

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111690.D
 Acq On : 21 Dec 2018 16:33
 Operator : JU/SJ
 Sample : J6447-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS025-0612-01

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.440	226	230	247	rBV	71282	132360	1.09%	0.093%
2	4.016	320	328	333	rBV	546159	729762	5.99%	0.513%
3	5.128	509	517	523	rBV	223828	284888	2.34%	0.200%
4	5.528	577	585	588	rBV	4226695	4490843	36.87%	3.159%
5	6.534	746	756	760	rBV2	4300136	4873365	40.02%	3.428%
6	6.675	775	780	783	rVB	4567606	4477535	36.77%	3.150%
7	6.775	792	797	803	rVB2	126358	141052	1.16%	0.099%
8	6.898	814	818	821	rBV	1532666	1203251	9.88%	0.846%
9	6.934	821	824	827	rVB	697886	583594	4.79%	0.411%
10	7.057	841	845	848	rBV	4188031	3487094	28.63%	2.453%
11	7.457	906	913	916	rBV	3182102	2824907	23.20%	1.987%
12	7.892	981	987	989	rBV	116822	168165	1.38%	0.118%
13	8.092	1016	1021	1024	rBV	310592	295482	2.43%	0.208%
14	8.181	1032	1036	1039	rBV	1776075	1388398	11.40%	0.977%
15	9.257	1214	1219	1222	rBV	5543066	4515441	37.08%	3.177%
16	9.357	1231	1236	1238	rBV3	114111	132888	1.09%	0.093%
17	9.386	1238	1241	1250	rVB	183819	204673	1.68%	0.144%
18	9.645	1282	1285	1290	rVB2	468855	615823	5.06%	0.433%
19	9.933	1328	1334	1338	rBV	1581050	1432465	11.76%	1.008%
20	10.722	1464	1468	1471	rBV	3066828	2546449	20.91%	1.791%
21	10.969	1507	1510	1513	rVB	232666	184876	1.52%	0.130%
22	11.069	1524	1527	1528	rBV	255922	229820	1.89%	0.162%
23	11.086	1528	1530	1534	rVV2	265950	219355	1.80%	0.154%
24	11.127	1534	1537	1540	rVV2	238450	200613	1.65%	0.141%
25	11.369	1576	1578	1581	rBV3	190391	202303	1.66%	0.142%
26	11.398	1581	1583	1584	rVV	272321	220081	1.81%	0.155%
27	11.422	1584	1587	1590	rVV	1424425	1282310	10.53%	0.902%
28	11.475	1590	1596	1600	rVB3	517286	695708	5.71%	0.489%
29	11.539	1602	1607	1611	rVV3	308206	389027	3.19%	0.274%
30	11.580	1611	1614	1619	rVB2	226389	228342	1.87%	0.161%
31	11.645	1619	1625	1629	rBV2	289612	361469	2.97%	0.254%
32	11.880	1662	1665	1668	rBV3	119510	136777	1.12%	0.096%
33	11.910	1668	1670	1673	rVV3	176795	216254	1.78%	0.152%
34	11.951	1673	1677	1684	rVV	1361774	1493783	12.27%	1.051%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111690.D
 Acq On : 21 Dec 2018 16:33
 Operator : JU/SJ
 Sample : J6447-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS025-0612-01

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.033	1688	1691	1695	rVV	404706	403434	3.31%	0.284%
36	12.074	1695	1698	1700	rVV	374087	353822	2.91%	0.249%
37	12.122	1704	1706	1712	rVB2	275838	298793	2.45%	0.210%
38	12.204	1717	1720	1722	rBV2	242158	192861	1.58%	0.136%
39	12.286	1730	1734	1736	rBV2	487960	478105	3.93%	0.336%
40	12.310	1736	1738	1741	rVB2	166525	145868	1.20%	0.103%
41	12.369	1746	1748	1752	rVB2	209718	189439	1.56%	0.133%
42	12.463	1761	1764	1767	rBV2	195508	167602	1.38%	0.118%
43	12.510	1770	1772	1774	rVV	459617	429522	3.53%	0.302%
44	12.551	1774	1779	1785	rVB3	1498263	1812728	14.88%	1.275%
45	12.686	1792	1802	1806	rBV4	714363	1298504	10.66%	0.913%
46	12.733	1806	1810	1813	rVV	2059726	1788987	14.69%	1.259%
47	12.886	1833	1836	1842	rBV2	310983	433463	3.56%	0.305%
48	12.945	1844	1846	1849	rVB2	281684	237873	1.95%	0.167%
49	13.004	1852	1856	1861	rVB	4559694	4676967	38.40%	3.290%
50	13.069	1865	1867	1870	rBV3	125245	128039	1.05%	0.090%
51	13.104	1870	1873	1875	rBV	1647619	1358039	11.15%	0.955%
52	13.133	1875	1878	1885	rVB2	644724	916055	7.52%	0.644%
53	13.198	1885	1889	1893	rBV2	4137934	4415419	36.26%	3.106%
54	13.245	1894	1897	1900	rVB	1491654	1376494	11.30%	0.968%
55	13.280	1900	1903	1906	rBV	288077	235360	1.93%	0.166%
56	13.333	1909	1912	1914	rVV	702136	657262	5.40%	0.462%
57	13.386	1917	1921	1924	rVV	4508376	4324795	35.51%	3.042%
58	13.416	1924	1926	1931	rVV2	1181658	1294903	10.63%	0.911%
59	13.457	1931	1933	1935	rVV	413810	384365	3.16%	0.270%
60	13.492	1935	1939	1943	rVV2	1883731	2127155	17.47%	1.496%
61	13.551	1946	1949	1952	rBV2	485686	567765	4.66%	0.399%
62	13.598	1952	1957	1961	rVV2	2705505	4102106	33.68%	2.886%
63	13.639	1961	1964	1966	rVB2	397967	345951	2.84%	0.243%
64	13.704	1971	1975	1979	rVB2	2778446	2565824	21.07%	1.805%
65	13.751	1979	1983	1985	rBV	1162755	1177857	9.67%	0.829%
66	13.810	1991	1993	1996	rVB	437535	345973	2.84%	0.243%
67	13.904	2003	2009	2017	rBV3	6259389	11372325	93.38%	8.000%
68	13.968	2017	2020	2022	rVB2	602046	601082	4.94%	0.423%
69	14.039	2029	2032	2034	rBV2	303516	444434	3.65%	0.313%
70	14.063	2034	2036	2039	rVB	1181585	929168	7.63%	0.654%
71	14.104	2039	2043	2045	rBV	4070856	3777691	31.02%	2.658%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111690.D
 Acq On : 21 Dec 2018 16:33
 Operator : JU/SJ
 Sample : J6447-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS025-0612-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.127	2045	2047	2051	rVB	508700	484958	3.98%	0.341%
73	14.233	2061	2065	2070	rBV3	790054	1297900	10.66%	0.913%
74	14.274	2070	2072	2076	rVB2	547450	552868	4.54%	0.389%
75	14.321	2076	2080	2083	rBV	1646744	1669264	13.71%	1.174%
76	14.363	2083	2087	2090	rBV2	1065647	1266088	10.40%	0.891%
77	14.410	2093	2095	2098	rVB	773044	606134	4.98%	0.426%
78	14.551	2114	2119	2125	rBV	9263491	12178570	100.00%	8.568%
79	14.604	2125	2128	2132	rVV	483169	474554	3.90%	0.334%
80	14.639	2132	2134	2137	rVV	300039	225420	1.85%	0.159%
81	14.668	2137	2139	2146	rVB	337038	427373	3.51%	0.301%
82	14.733	2148	2150	2152	rVB	283567	203874	1.67%	0.143%
83	14.768	2153	2156	2157	rBV	467719	442166	3.63%	0.311%
84	14.786	2157	2159	2165	rVB2	738606	772179	6.34%	0.543%
85	14.863	2166	2172	2179	rBV5	807771	1950620	16.02%	1.372%
86	15.004	2193	2196	2201	rVB2	1323012	1333682	10.95%	0.938%
87	15.215	2226	2232	2233	rBV2	2793586	4083556	33.53%	2.873%
88	15.233	2233	2235	2241	rVV2	3378266	3972316	32.62%	2.795%
89	15.286	2241	2244	2255	rVB	808601	1209934	9.93%	0.851%
90	15.557	2287	2290	2293	rVB	503242	541793	4.45%	0.381%
91	15.804	2328	2332	2336	rBV	1042360	1372614	11.27%	0.966%
92	16.051	2369	2374	2378	rBV	990625	1638292	13.45%	1.153%
93	16.092	2378	2381	2390	rVB	1268431	1880787	15.44%	1.323%
94	16.174	2391	2395	2399	rVB	717582	967304	7.94%	0.680%
95	16.215	2399	2402	2411	rVB3	469518	856279	7.03%	0.602%
96	16.298	2412	2416	2417	rBV2	280690	377107	3.10%	0.265%
97	16.868	2508	2513	2519	rVB2	606949	1088373	8.94%	0.766%
98	17.368	2594	2598	2602	rBV	519111	973125	7.99%	0.685%
99	17.680	2646	2651	2658	rVB4	398675	892676	7.33%	0.628%
100	17.774	2662	2667	2676	rVB4	585679	1462458	12.01%	1.029%

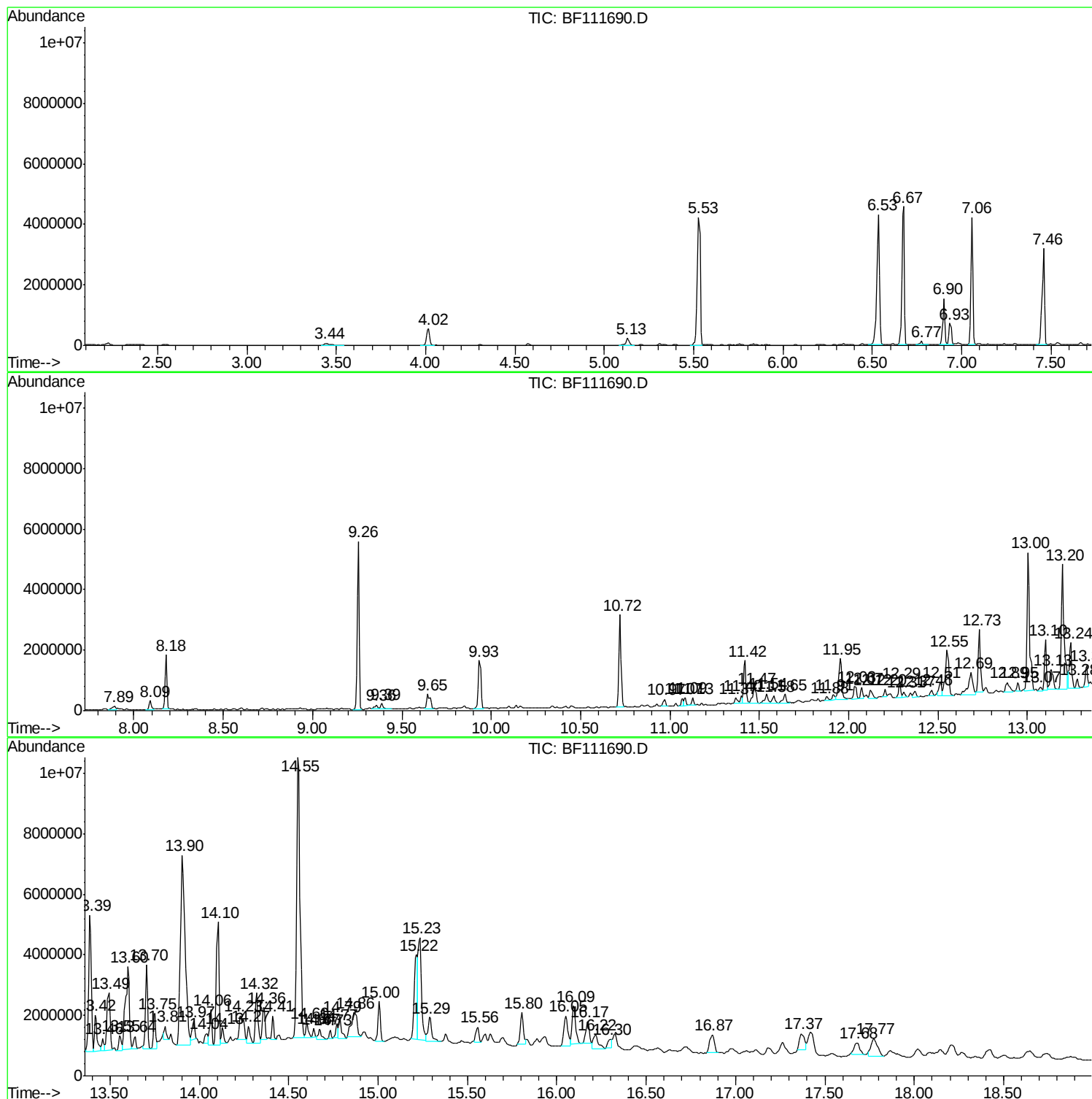
Sum of corrected areas: 142147447

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

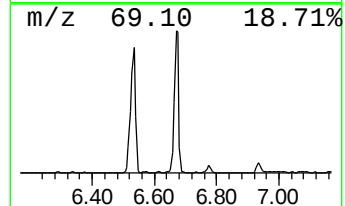
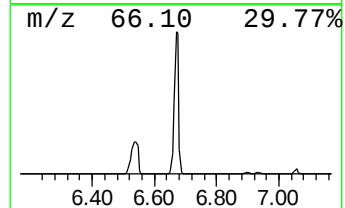
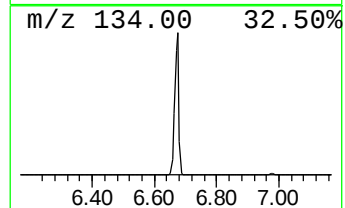
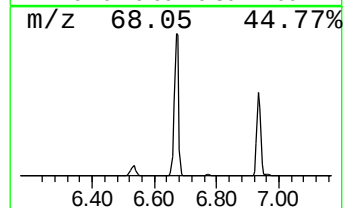
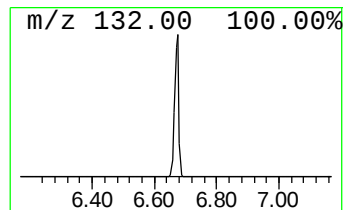
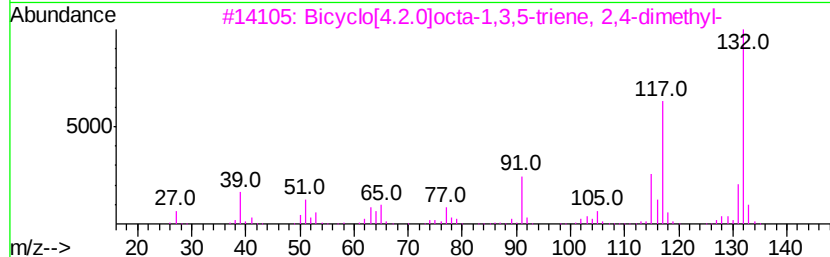
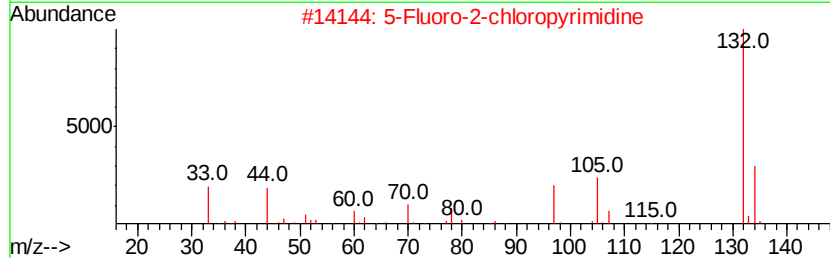
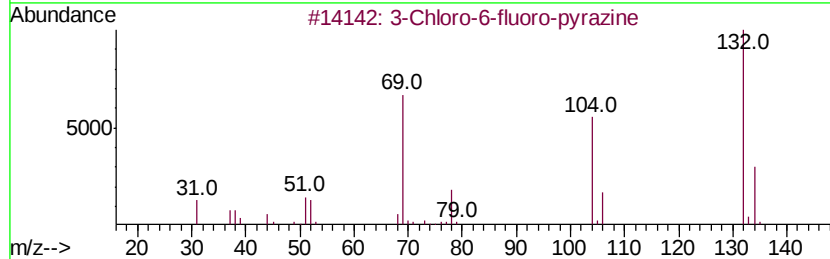
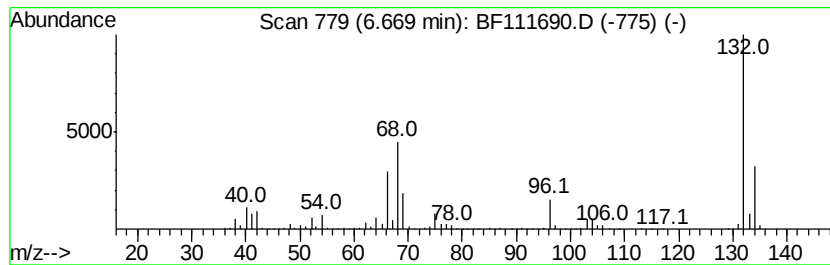
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.67 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	74.42 ng	4477540	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

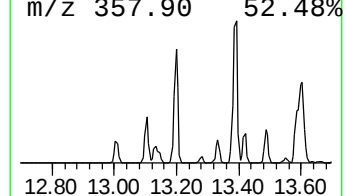
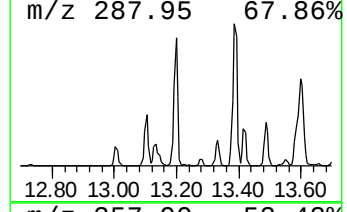
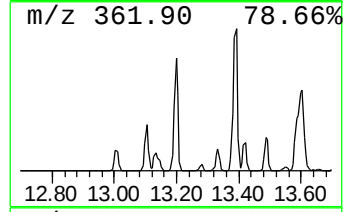
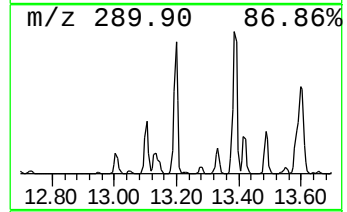
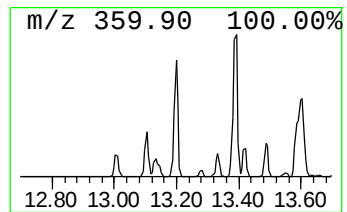
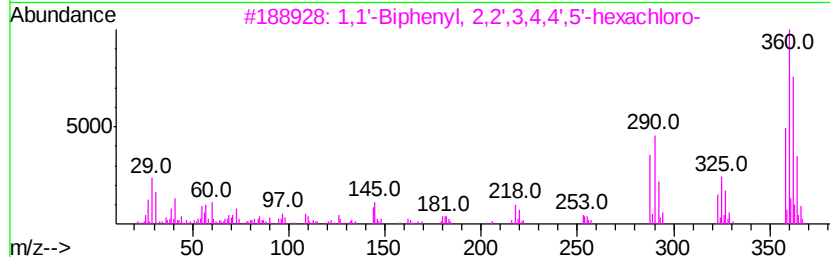
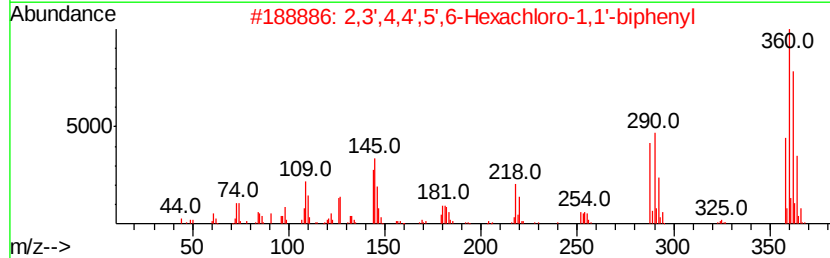
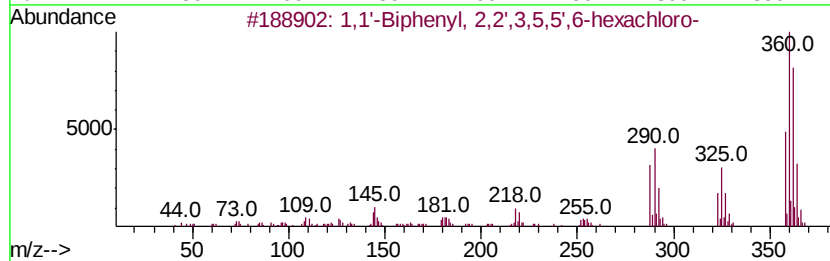
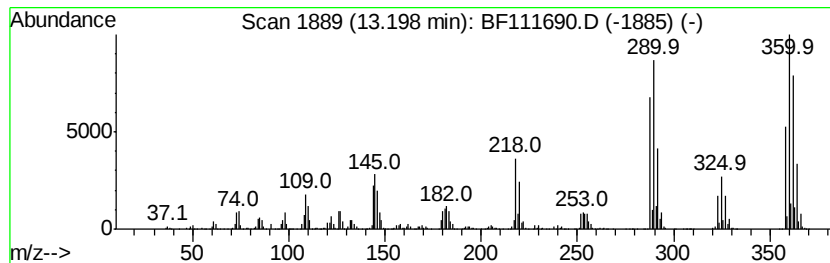
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2,2',3,5,5',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	95.04 ng	4415420	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99
2		2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
3		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
4		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
5		2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

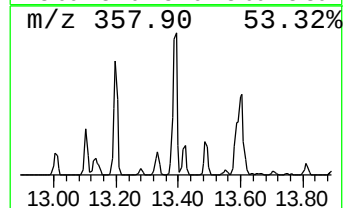
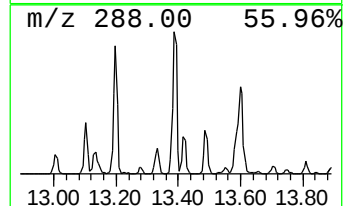
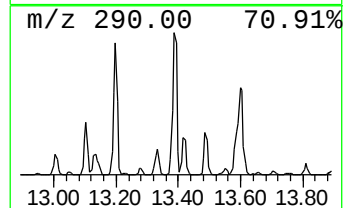
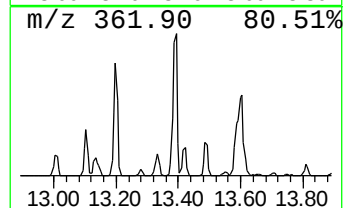
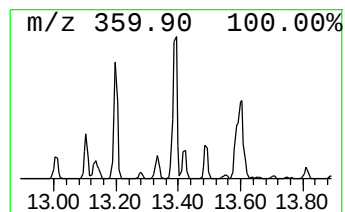
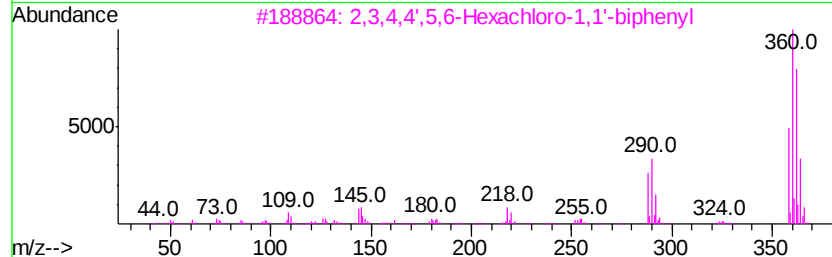
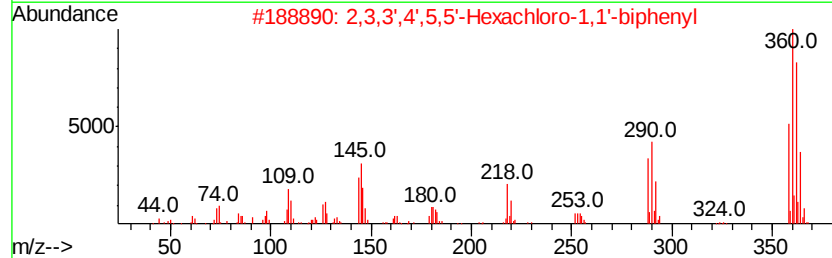
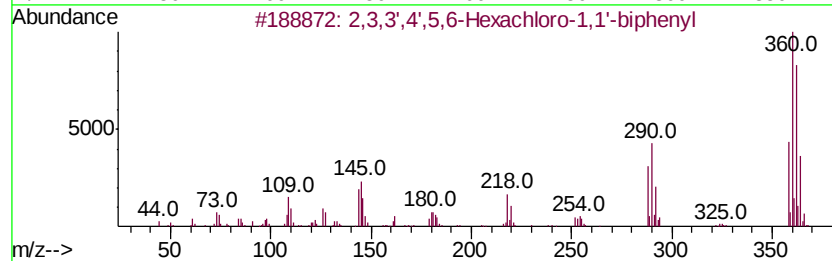
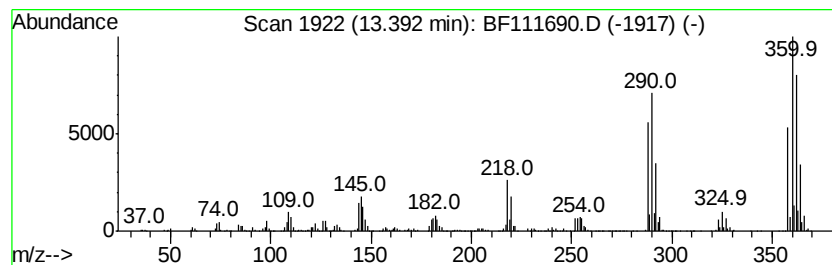
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2,3,3',4',5,6-Hexachloro-1,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	93.09 ng	4324800	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
2		2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
3		2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
4		2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
5		2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

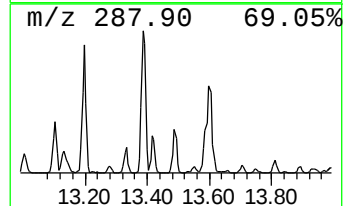
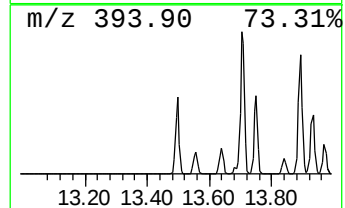
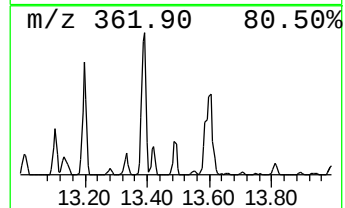
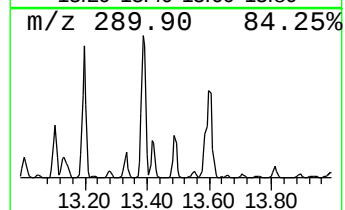
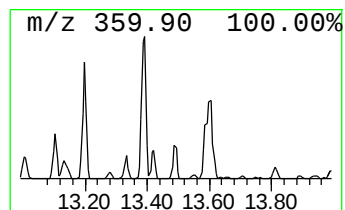
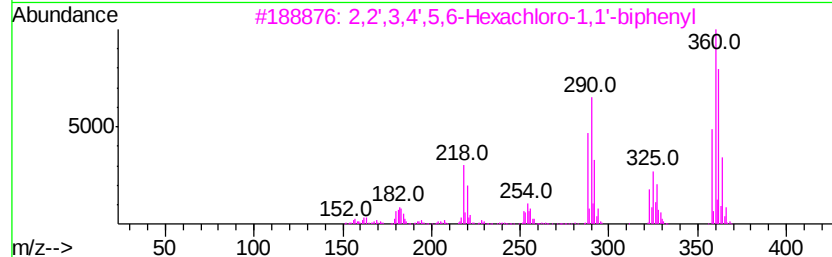
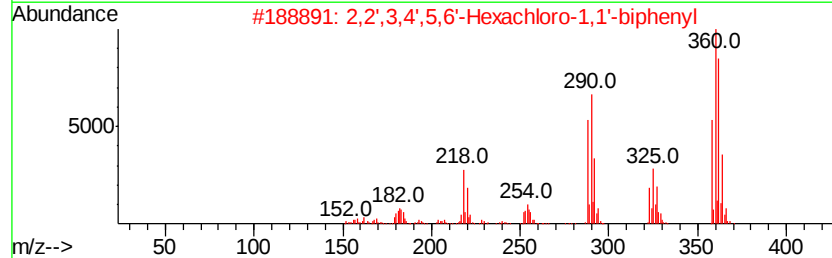
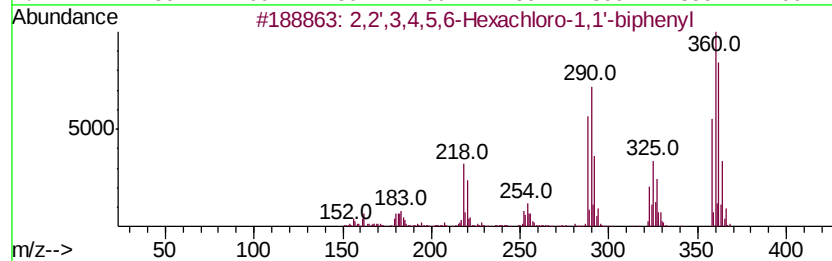
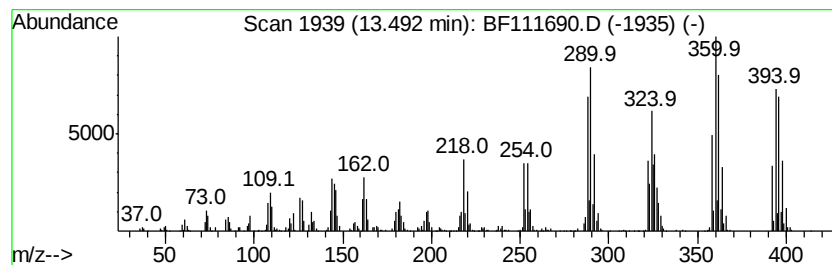
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	45.79 ng	2127160	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	98
2		2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	98
3		2,2',3,4',5,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	98
4		1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	98
5		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

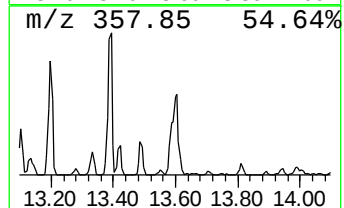
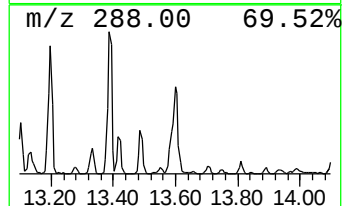
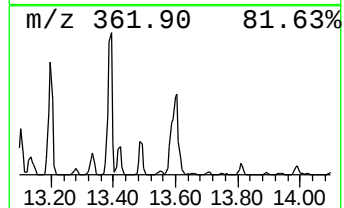
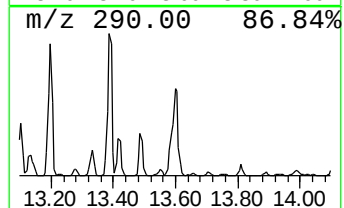
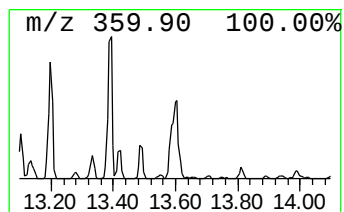
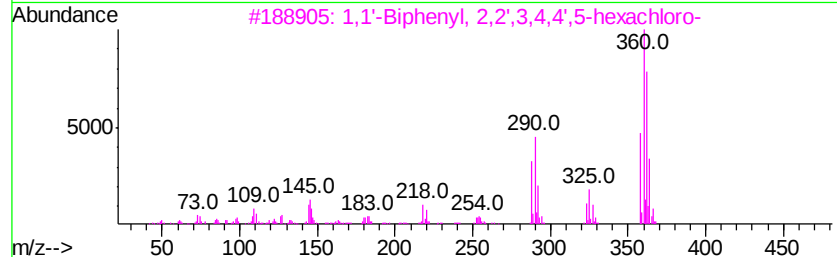
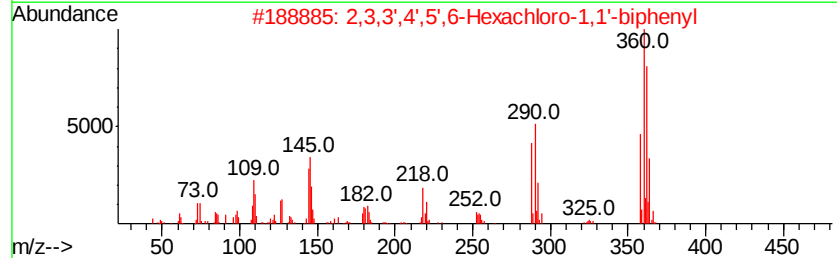
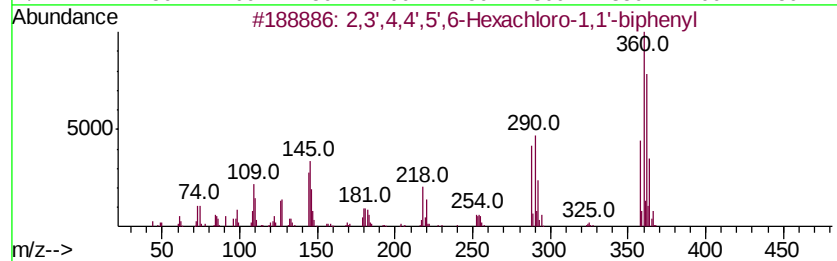
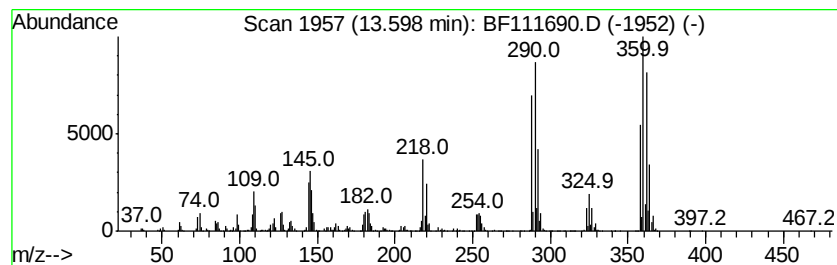
Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.60	88.30 ng	4102110	Chrysene-d12	14.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
3	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

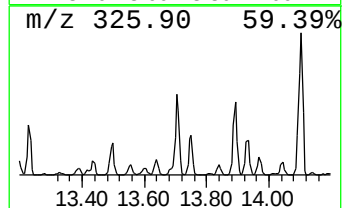
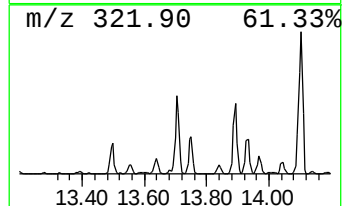
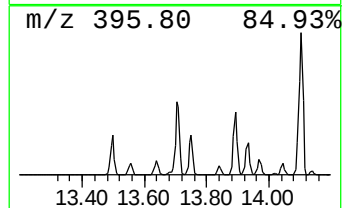
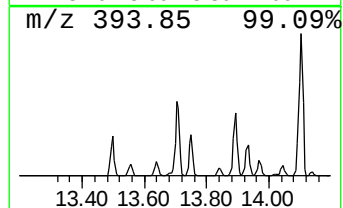
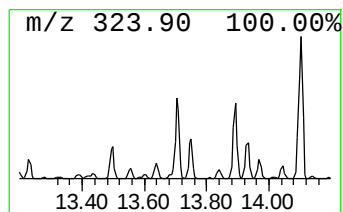
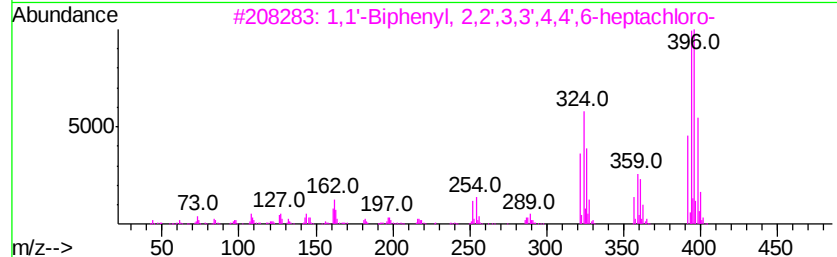
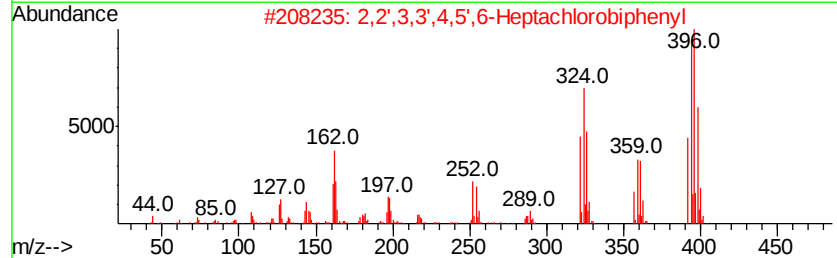
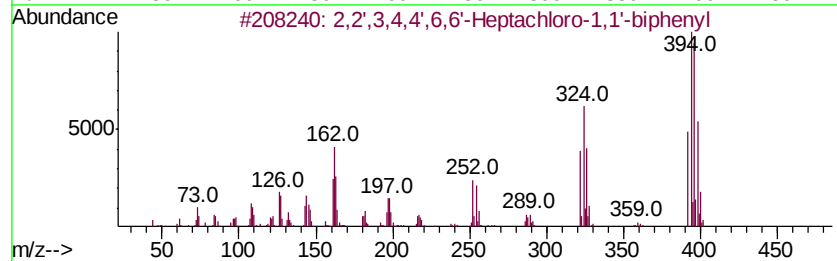
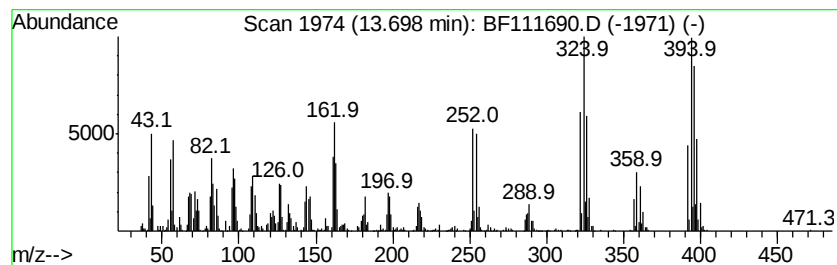
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2,2',3,4,4',6,6'-Heptachlor... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	55.23 ng	2565820	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99
2		2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3		1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
4		1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
5		1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

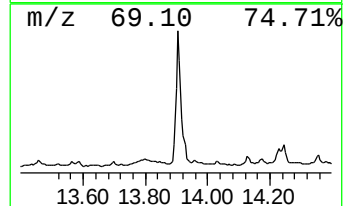
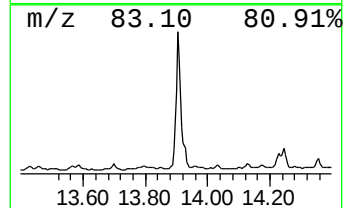
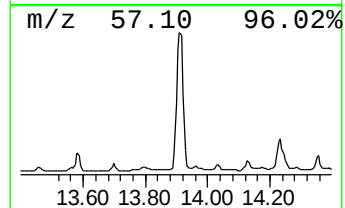
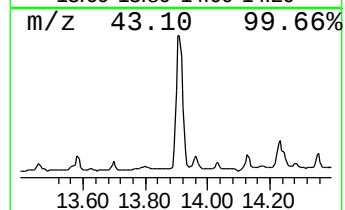
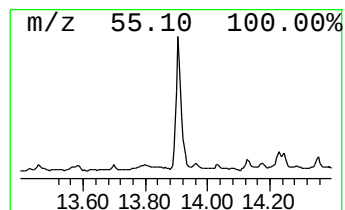
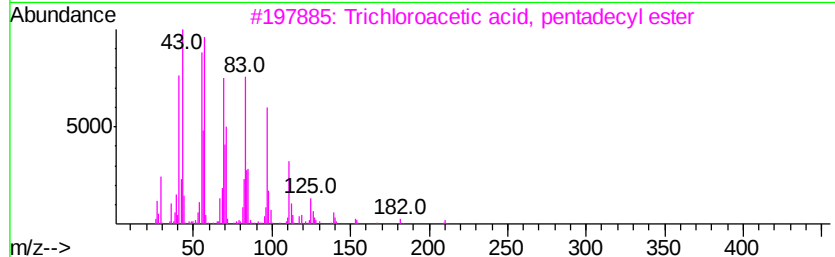
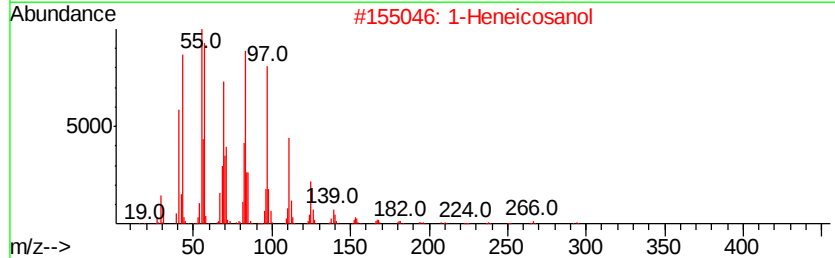
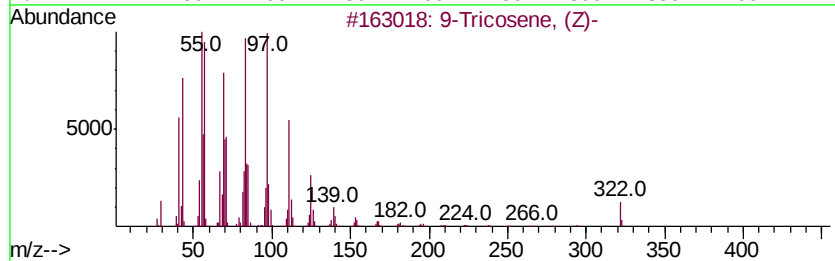
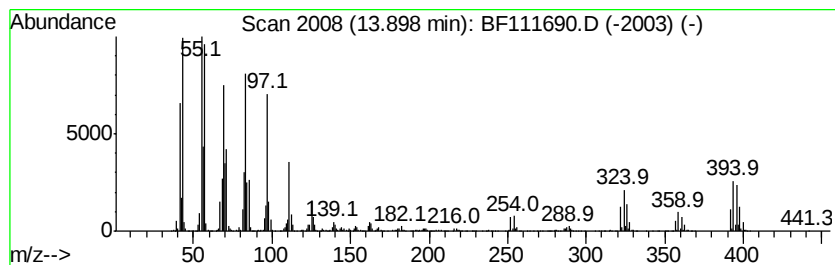
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9-Tricosene, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	244.79 ng	11372300	Chrysene-d12	14.06

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
2		1-Heneicosanol	312	C21H44O	015594-90-8	95
3		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4		Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
5		Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

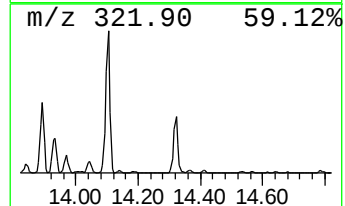
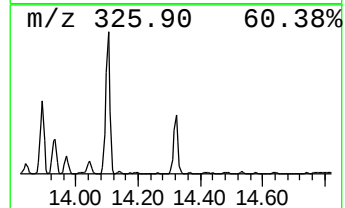
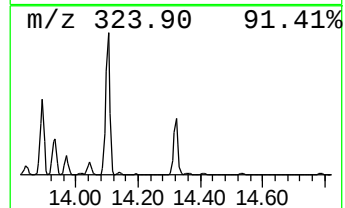
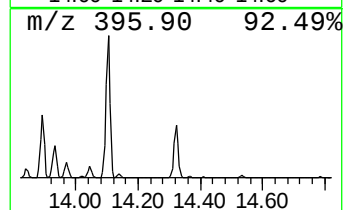
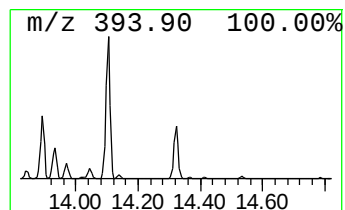
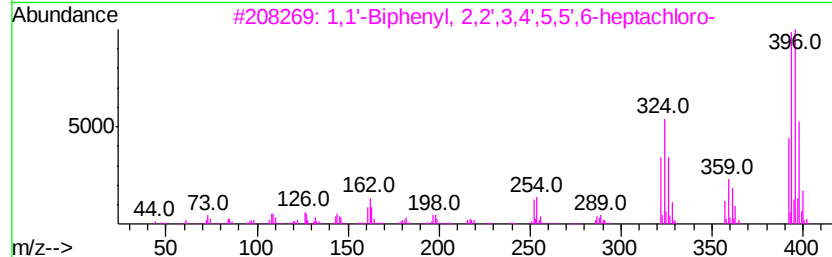
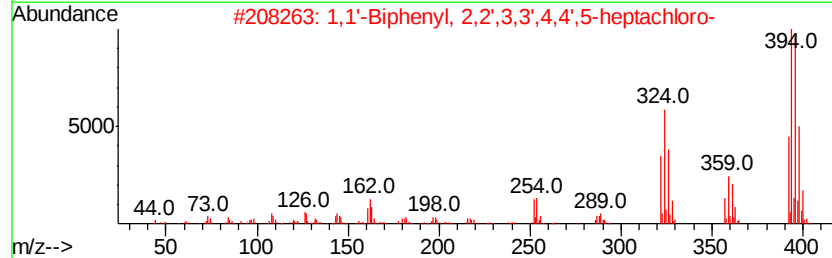
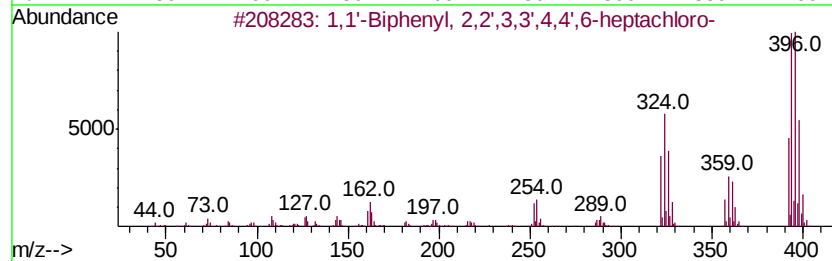
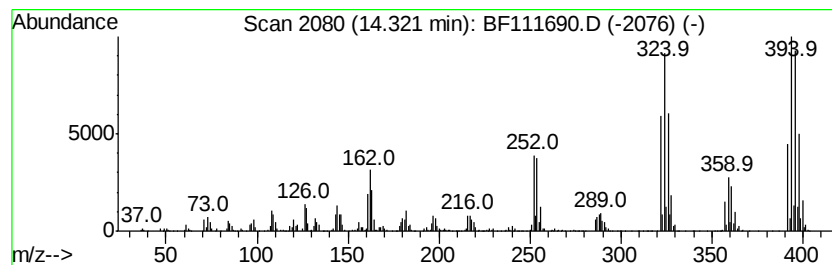
Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.32	35.93 ng	1669260	Chrysene-d12	14.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99	
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99	
3	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99	
4	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99	
5	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

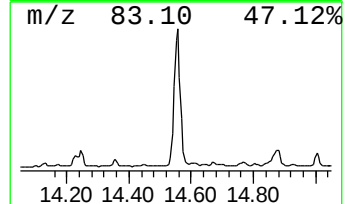
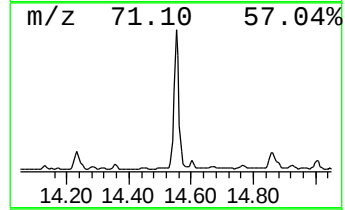
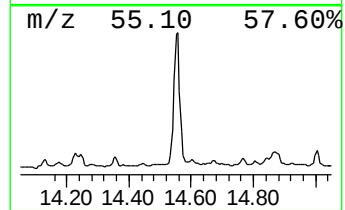
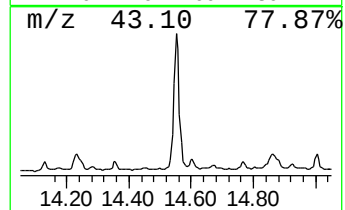
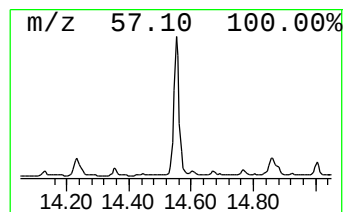
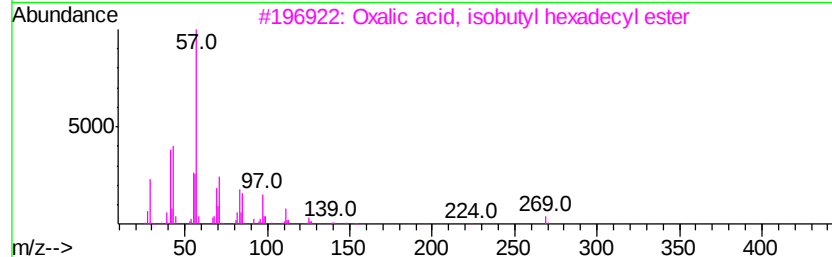
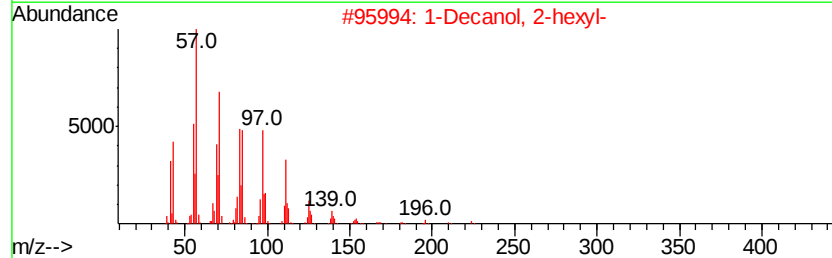
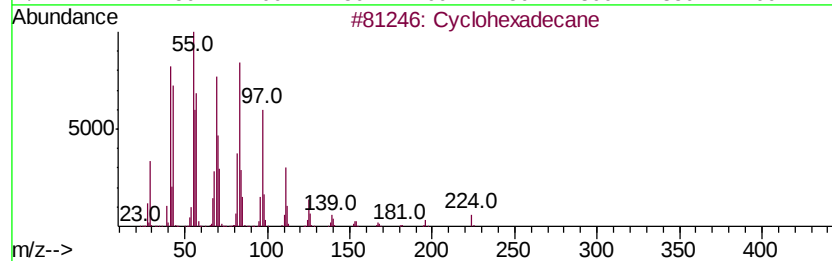
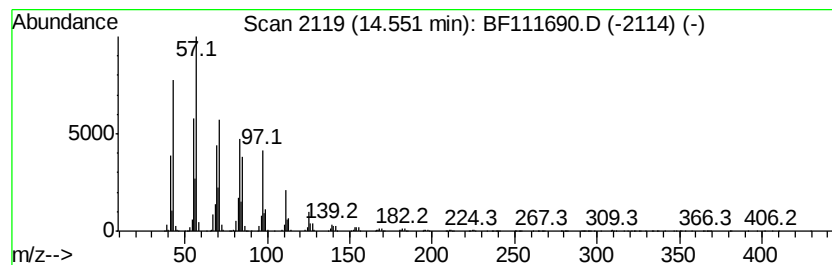
Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclohexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	262.14 ng	12178600	Chrysene-d12	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexadecane	224 C16H32	000295-65-8 96
2		1-Decanol, 2-hexyl-	242 C16H34O	002425-77-6 91
3		Oxalic acid, isobutyl hexadecyl ...	370 C22H42O4	1000309-38-1 91
4		Dotriacontyl pentafluoropropionate	612 C35H65F5O2	1000351-81-4 91
5		Oxalic acid, isobutyl octadecyl ...	398 C24H46O4	1000309-38-3 91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

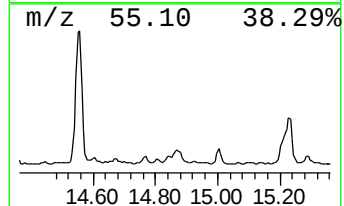
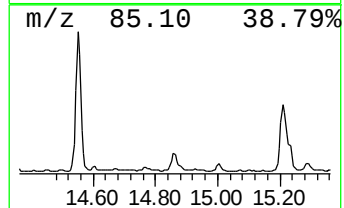
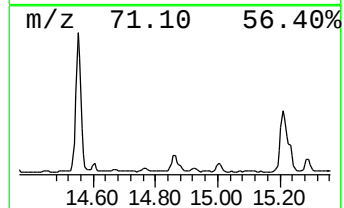
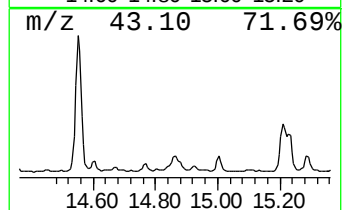
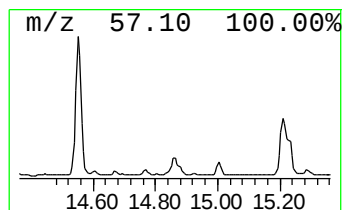
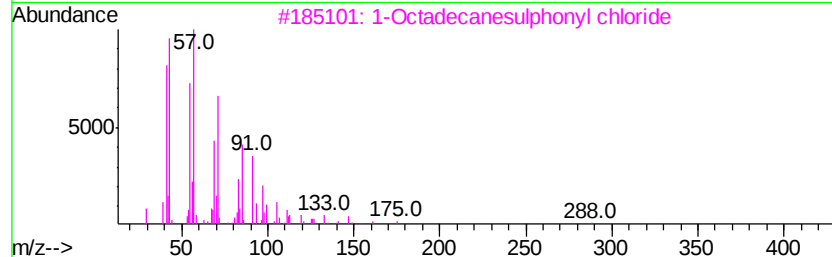
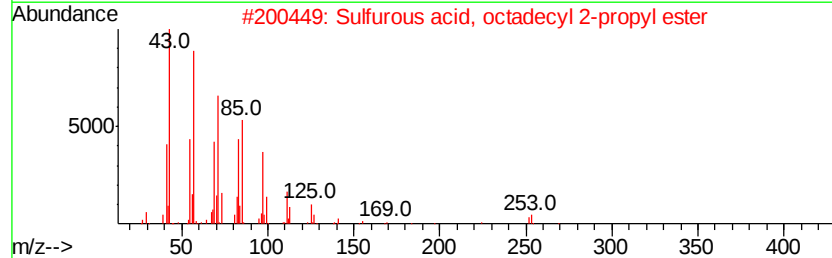
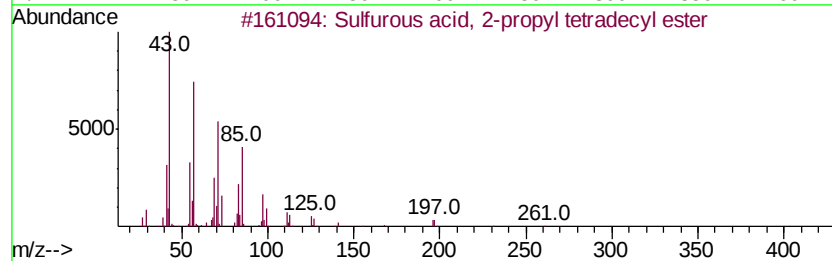
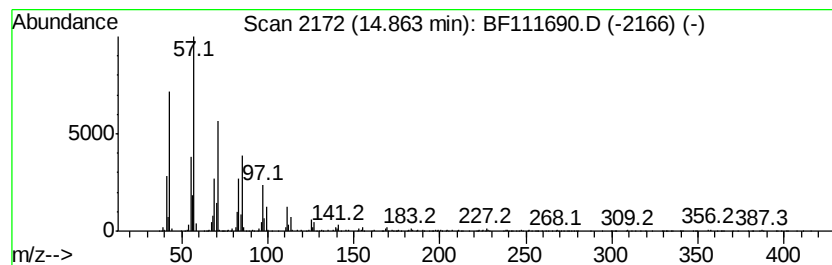
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Sulfurous acid, 2-propyl te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	72.01 ng	1950620	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-propyl tetradecyl...	320	C17H36O3S	1000309-12-5	91
2		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
3		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
4		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	87
5		Nonadecane	268	C19H40	000629-92-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
 Data File : BF111690.D
 Acq On : 21 Dec 2018 16:33
 Operator : JU/SJ
 Sample : J6447-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS025-0612-01

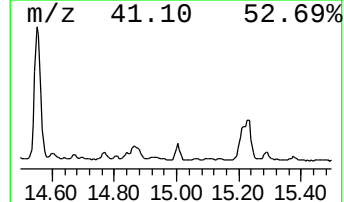
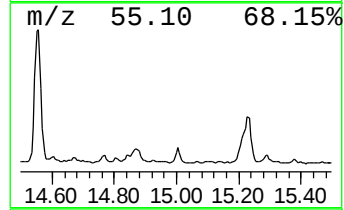
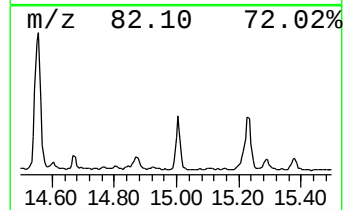
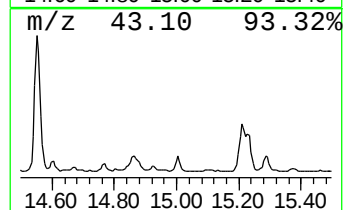
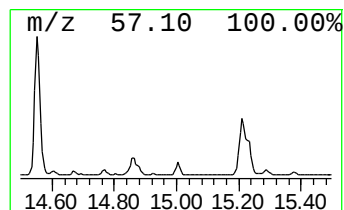
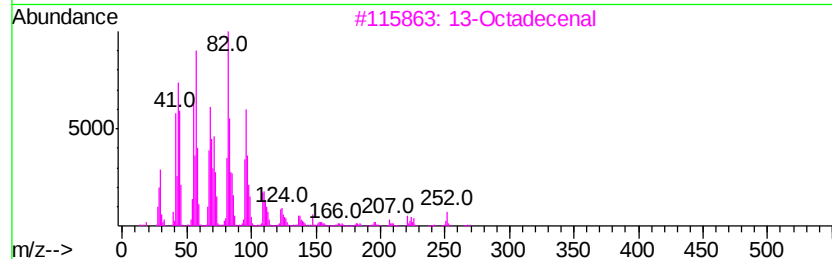
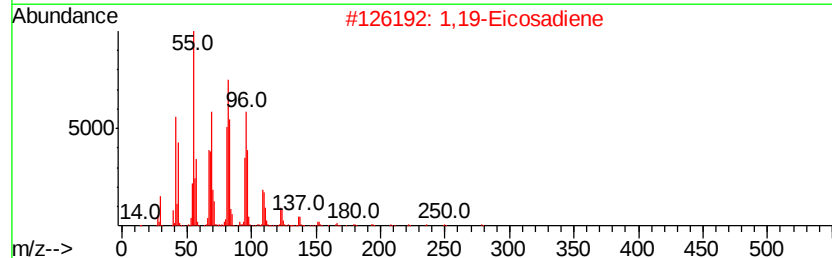
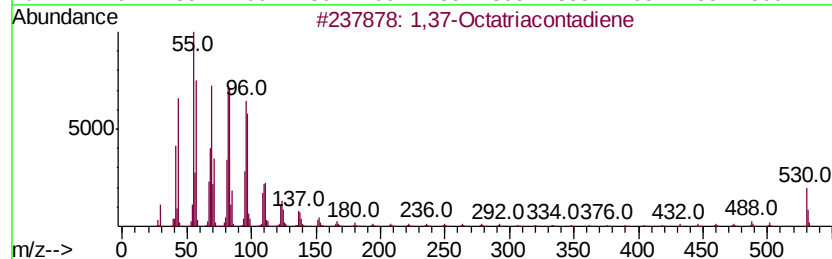
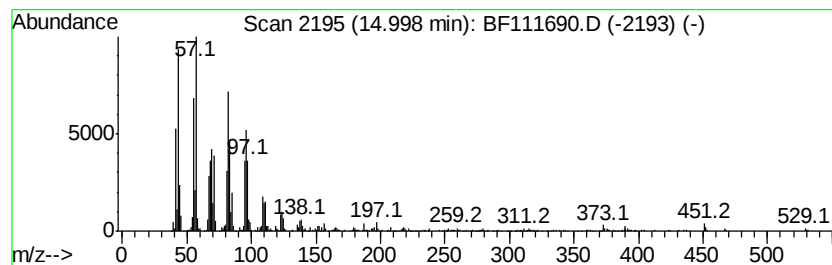
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 1,37-Octatriacontadiene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	49.23 ng	1333680	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,37-Octatriacontadiene	531	C38H74	1000159-37-3	95
2		1,19-Eicosadiene	278	C20H38	014811-95-1	93
3		13-Octadecenal	266	C18H34O	056554-90-6	91
4		14-Octadecenal	266	C18H34O	056554-89-3	91
5		Octadecanal	268	C18H36O	000638-66-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

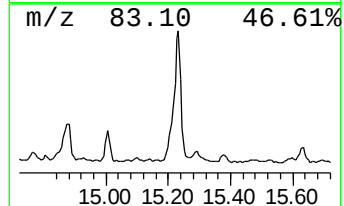
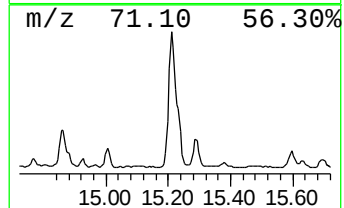
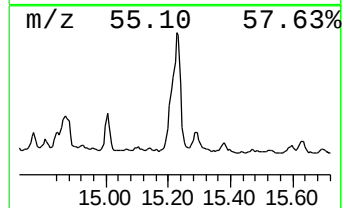
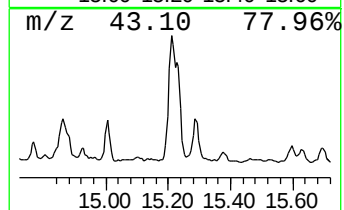
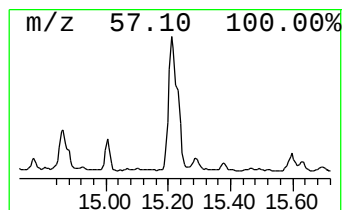
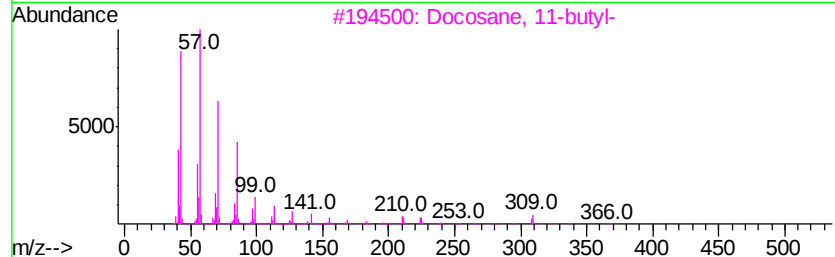
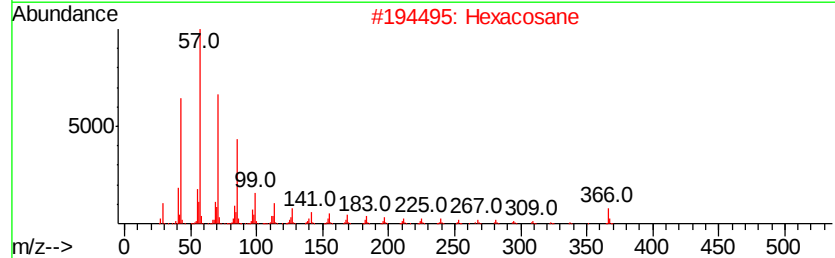
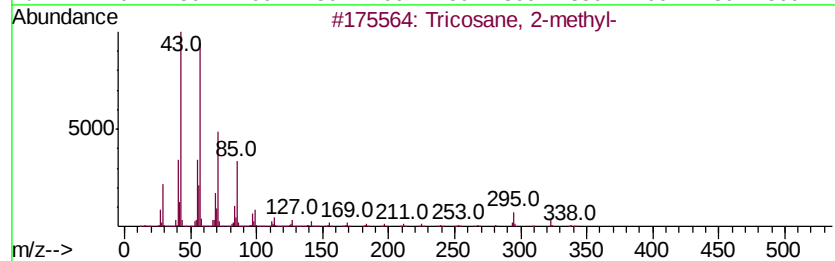
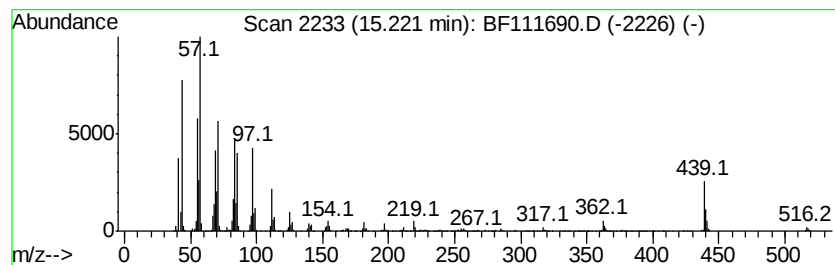
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Tricosane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	150.74 ng	4083560	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	92
2		Hexacosane	366	C26H54	000630-01-3	90
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	83
4		Tritetracontane	605	C43H88	007098-21-7	76
5		Tetracosane, 1-bromo-	416	C24H49Br	006946-24-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

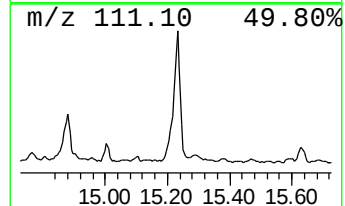
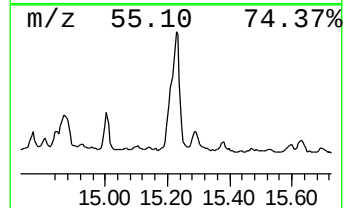
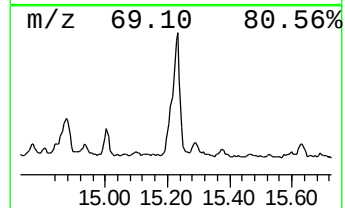
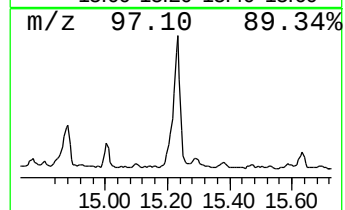
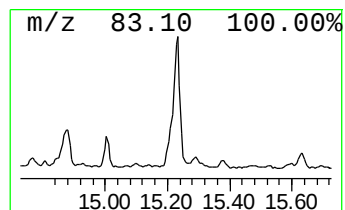
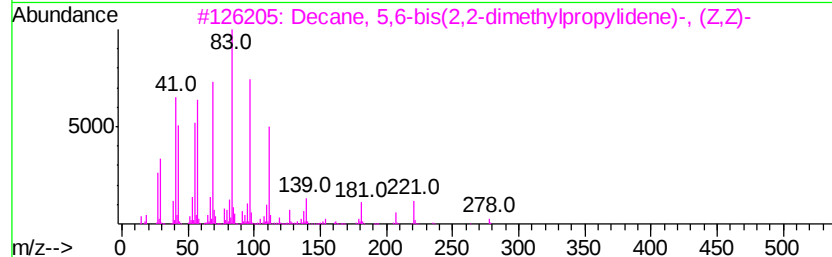
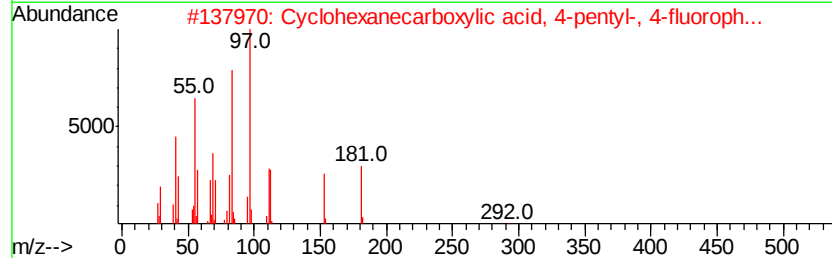
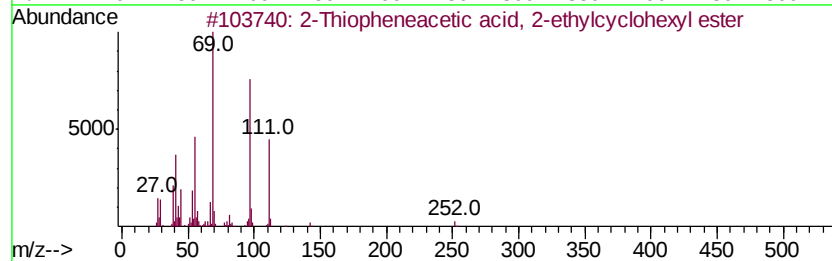
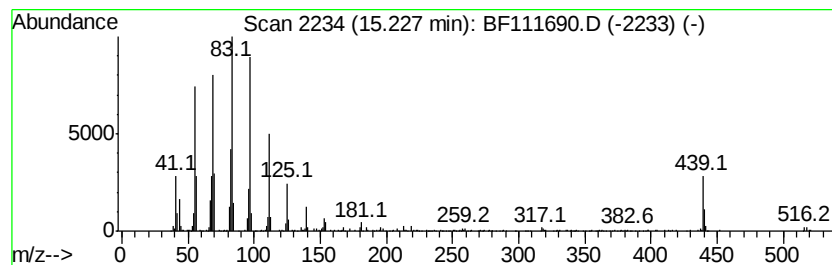
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown15.23 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	146.64 ng	3972320	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	47
2		Cyclohexanecarboxylic acid, 4-pe...	292	C18H25FO2	079912-83-7	43
3		Decane, 5,6-bis(2,2-dimethylprop...	278	C20H38	073002-85-4	42
4		Cyclopentanecarboxylic acid, 4-t...	310	C20H38O2	1000280-58-9	38
5		Cyclopentanecarboxylic acid, 4-t...	296	C19H36O2	1000280-58-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

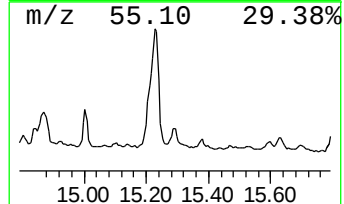
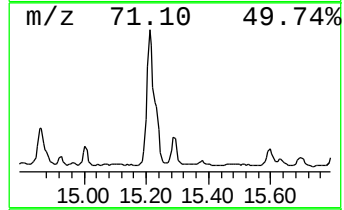
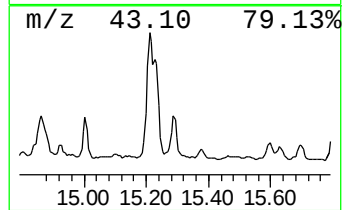
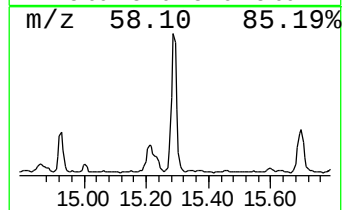
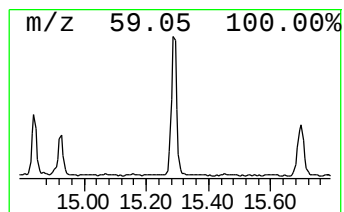
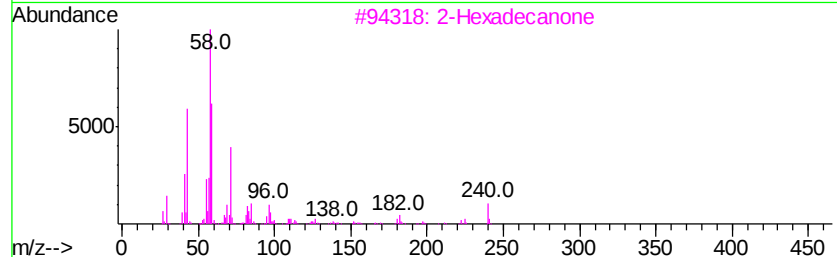
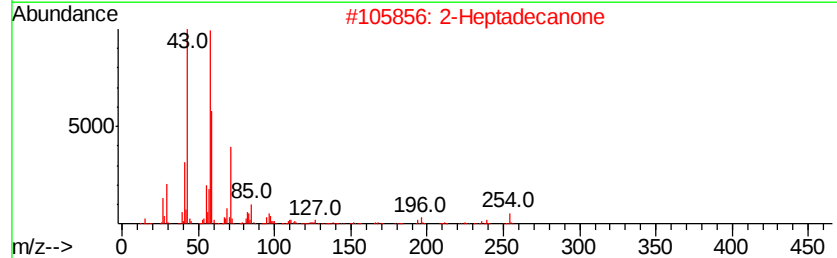
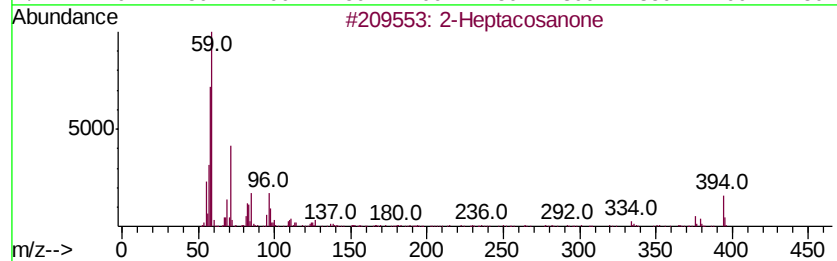
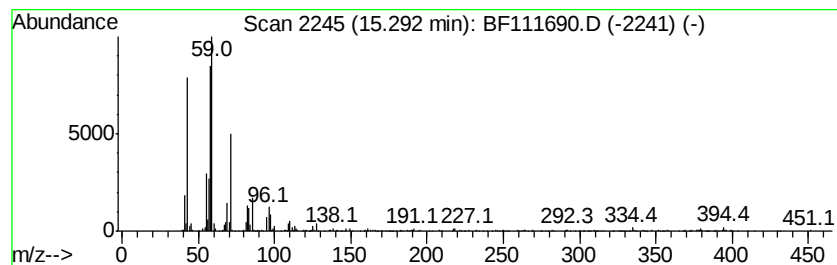
Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 2-Heptacosanone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.29	44.66 ng	1209930	Perylene-d12		15.56
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptacosanone	394	C27H54O	007796-19-2	90
2	2-Heptadecanone	254	C17H34O	002922-51-2	59
3	2-Hexadecanone	240	C16H32O	018787-63-8	59
4	2-Pentadecanone	226	C15H30O	002345-28-0	53
5	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

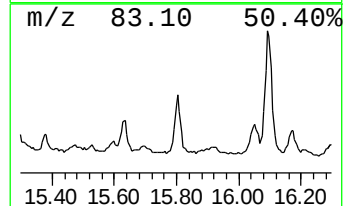
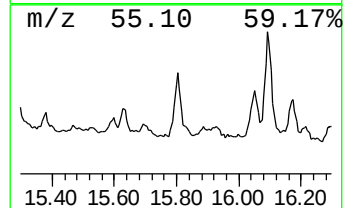
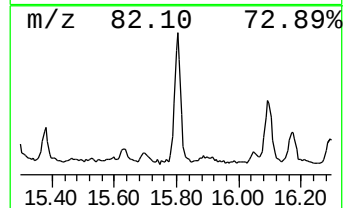
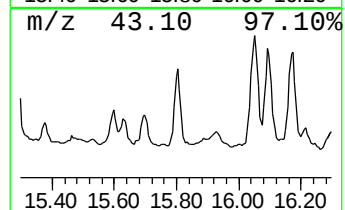
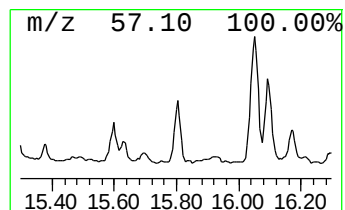
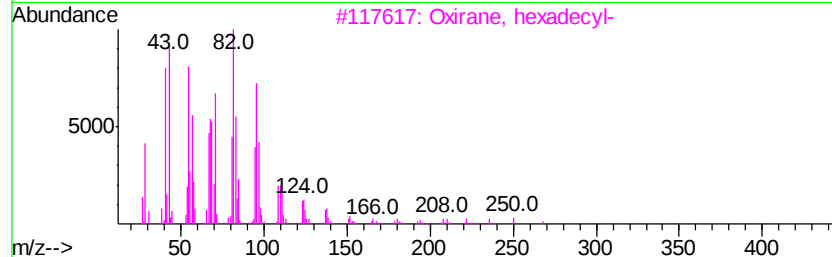
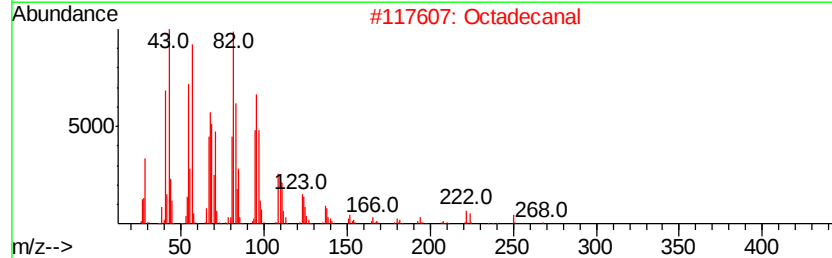
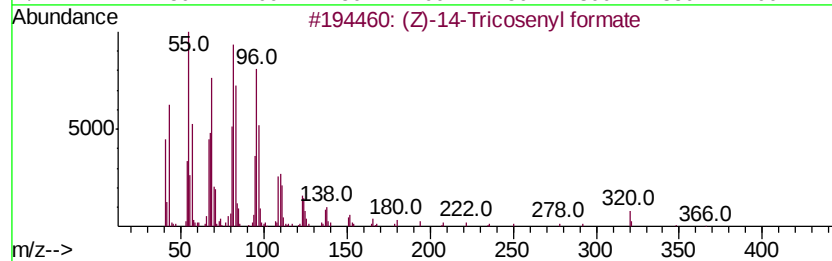
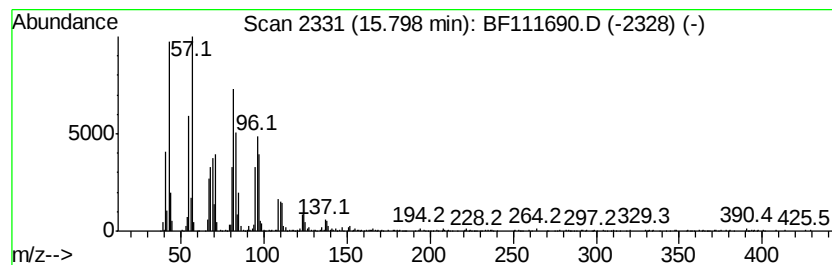
Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (Z)-14-Tricosenyl formate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.80	50.67 ng	1372610	Perylene-d12	15.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	95
2	Octadecanal	268	C18H36O	000638-66-4	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4	Tetracosanal	352	C24H48O	057866-08-7	90
5	Z-10-Octadecen-1-ol acetate	310	C20H38O2	1000131-07-2	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

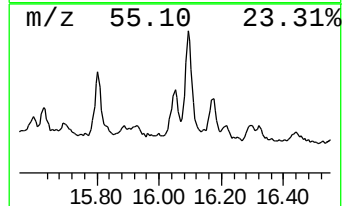
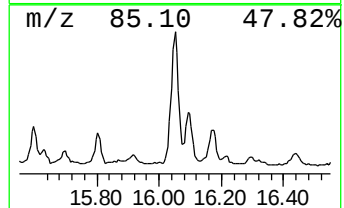
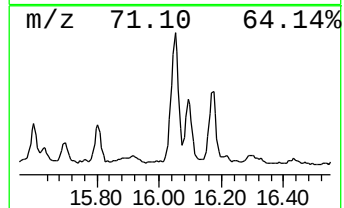
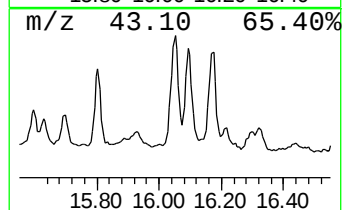
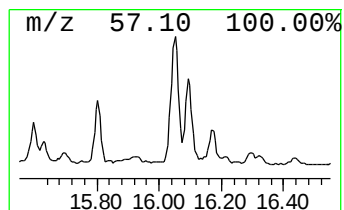
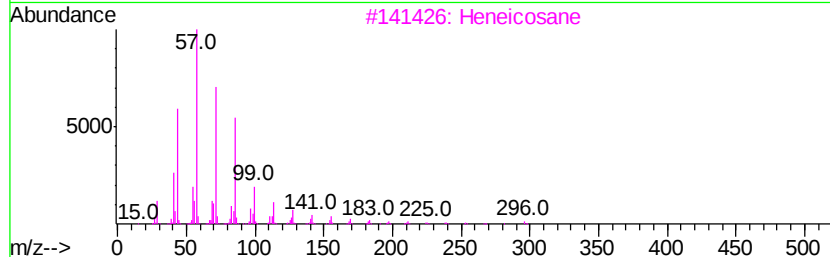
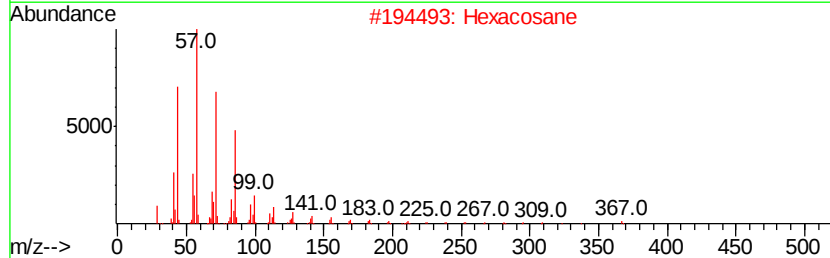
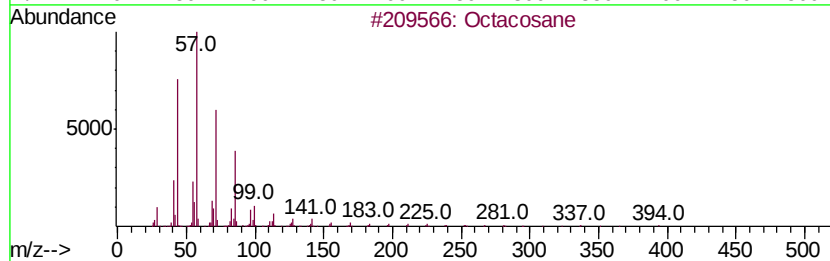
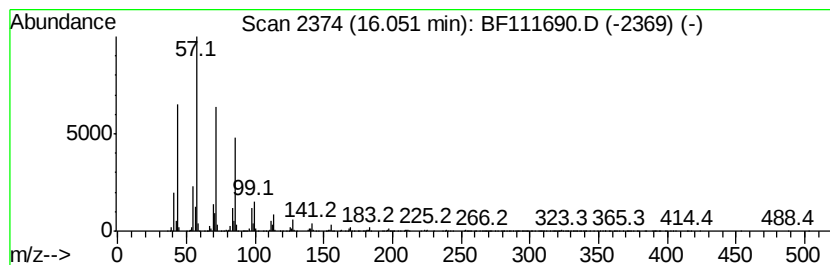
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	60.48 ng	1638290	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		triacontane	422	C30H62	000638-68-6	91
5		Hexatriacontane	507	C36H74	000630-06-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

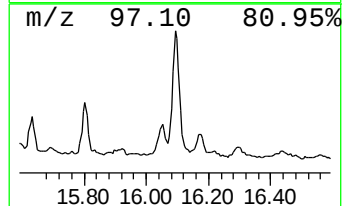
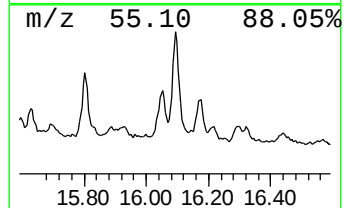
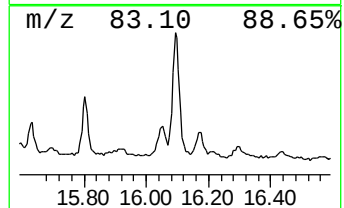
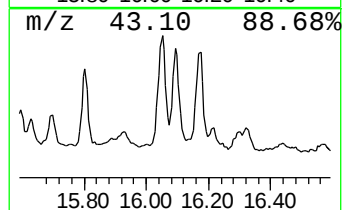
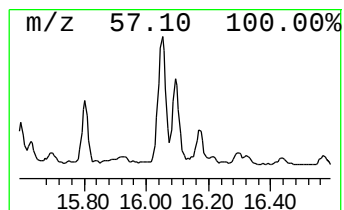
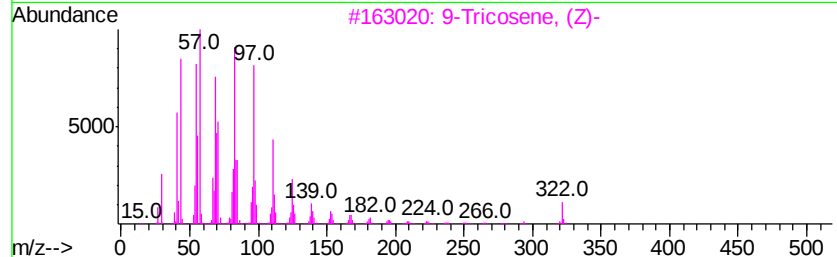
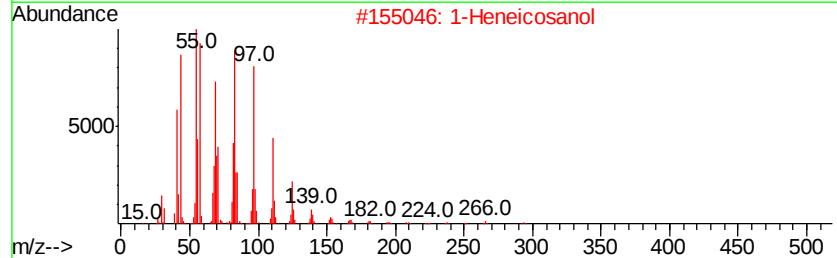
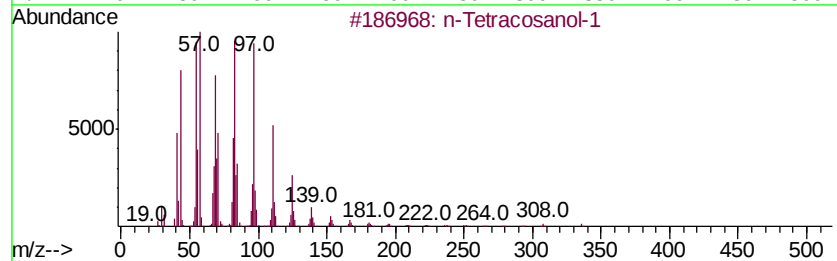
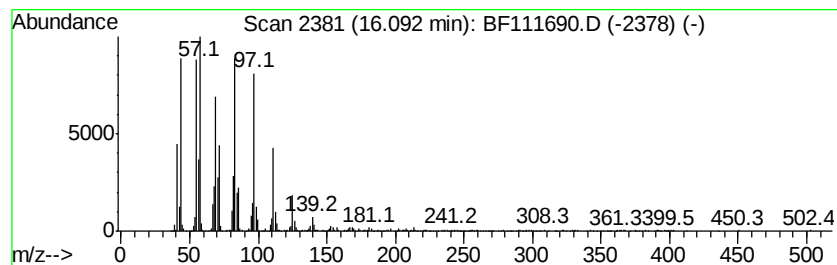
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 n-Tetracosanol-1 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	69.43 ng	1880790	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2		1-Heneicosanol	312	C21H44O	015594-90-8	93
3		9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
4		1-Heptacosanol	396	C27H56O	002004-39-9	87
5		Behenic alcohol	326	C22H46O	000661-19-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

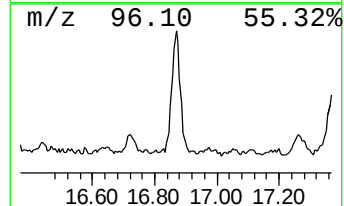
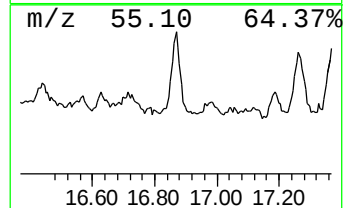
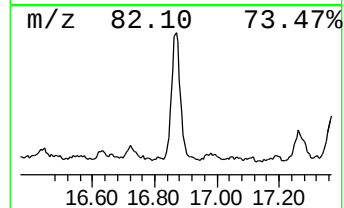
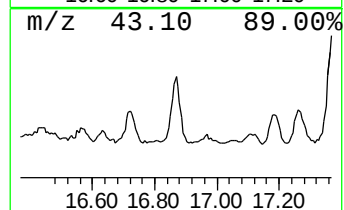
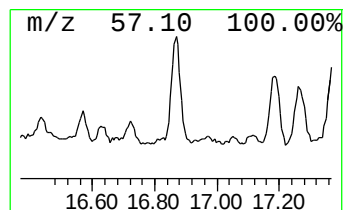
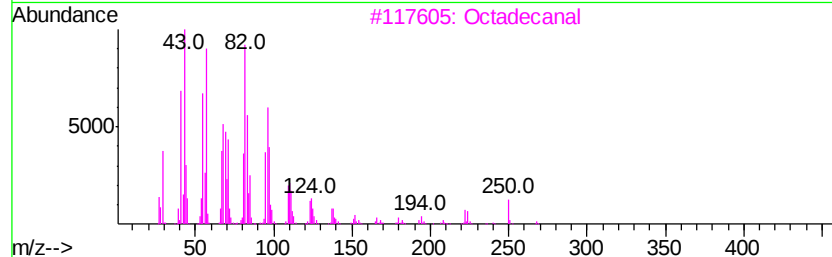
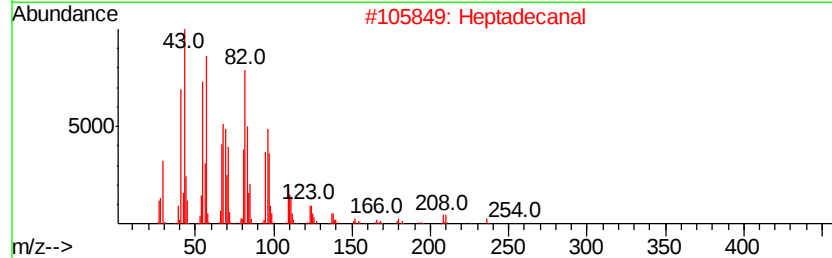
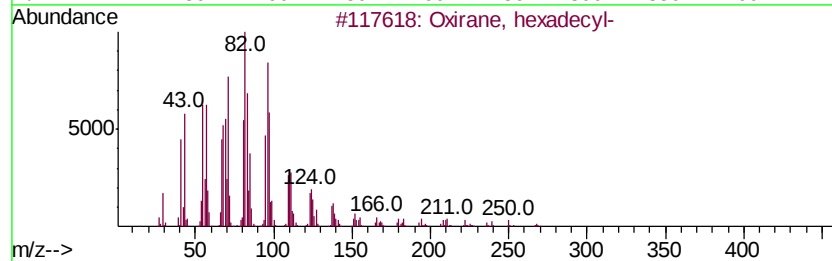
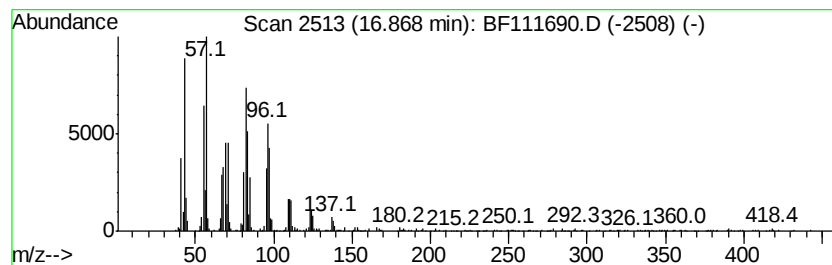
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Oxirane, hexadecyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	40.18 ng	1088370	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	99
2		Heptadecanal	254	C17H34O	1000376-70-0	91
3		Octadecanal	268	C18H36O	000638-66-4	90
4		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	81
5		(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111690.D
Acq On : 21 Dec 2018 16:33
Operator : JU/SJ
Sample : J6447-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

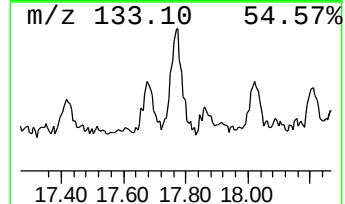
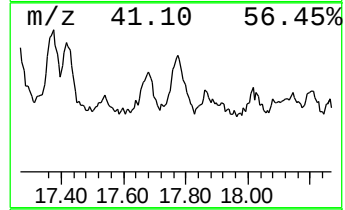
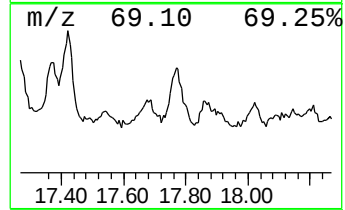
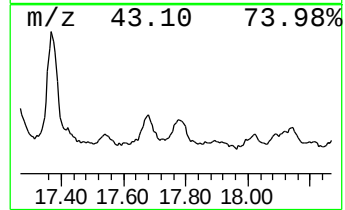
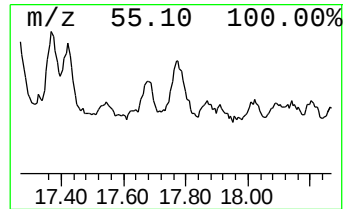
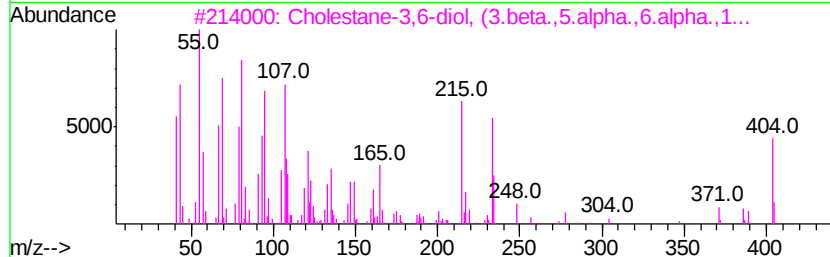
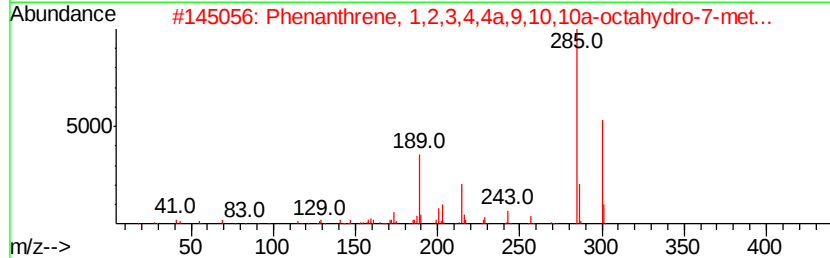
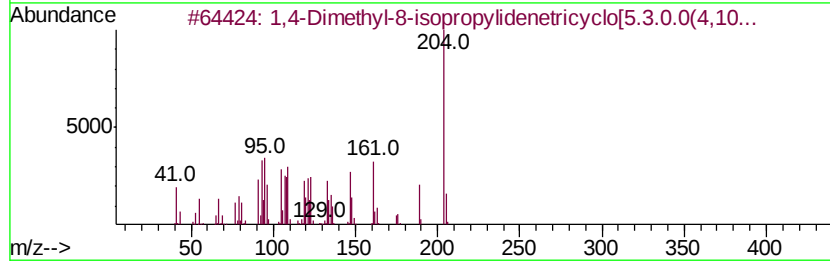
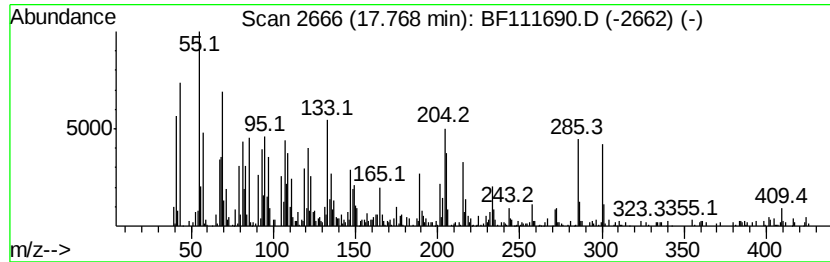
Instrument :
BNA_F
ClientSampleId :
P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown17.77 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.77	53.99 ng	1462460	Perylene-d12	15.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	42
2	Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	015340-83-7	25
3	Cholestane-3,6-diol, (3.beta.,5....	404	C27H48O2	041083-77-6	25
4	Aromandendrene	204	C15H24	000489-39-4	22
5	(-)-Tricyclo[6.2.1.0(4,11)]undec...	204	C15H24	1000154-06-7	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111690.D
 Acq On : 21 Dec 2018 16:33
 Operator : JU/SJ
 Sample : J6447-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS025-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.67	6.67	74.4	ng	4477540	1	6.90	1203250	20.0
1,1'-Biphenyl, 2,...	13.20	95.0	ng	4415420	5	14.06	929168	20.0
2,3,3',4',5,6-Hex...	13.39	93.1	ng	4324800	5	14.06	929168	20.0
2,2',3,4,5,6-Hexa...	13.49	45.8	ng	2127160	5	14.06	929168	20.0
2,3',4,4',5',6-He...	13.60	88.3	ng	4102110	5	14.06	929168	20.0
2,2',3,4,4',6,6'-...	13.70	55.2	ng	2565820	5	14.06	929168	20.0
9-Tricosene, (Z)-	13.90	244.8	ng	11372300	5	14.06	929168	20.0
1,1'-Biphenyl, 2,...	14.32	35.9	ng	1669260	5	14.06	929168	20.0
Cyclohexadecane	14.55	262.1	ng	12178600	5	14.06	929168	20.0
Sulfurous acid, 2...	14.86	72.0	ng	1950620	6	15.56	541793	20.0
1,37-Octatriacont...	15.00	49.2	ng	1333680	6	15.56	541793	20.0
Tricosane, 2-methyl-	15.22	150.7	ng	4083560	6	15.56	541793	20.0
unknown15.23	15.23	146.6	ng	3972320	6	15.56	541793	20.0
2-Heptacosanone	15.29	44.7	ng	1209930	6	15.56	541793	20.0
(Z)-14-Tricosenyl...	15.80	50.7	ng	1372610	6	15.56	541793	20.0
Octacosane	16.05	60.5	ng	1638290	6	15.56	541793	20.0
n-Tetracosanol-1	16.09	69.4	ng	1880790	6	15.56	541793	20.0
Oxirane, hexadecyl-	16.87	40.2	ng	1088370	6	15.56	541793	20.0
unknown17.77	17.77	54.0	ng	1462460	6	15.56	541793	20.0