

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115812.D
 Acq On : 27 Jul 2019 2:46
 Operator : HP/JU
 Sample : K3626-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

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-BF071219.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	2.122	3	6	18	rVB	150788	189906	7.02%	0.474%
2	5.486	575	578	601	rBV	339605	451603	16.70%	1.128%
3	6.498	746	750	767	rBV	394031	498528	18.44%	1.245%
4	6.639	771	774	783	rBV	607419	528202	19.54%	1.319%
5	6.869	810	813	829	rVB	946445	881102	32.59%	2.201%
6	7.028	836	840	850	rBV	483724	435595	16.11%	1.088%
7	7.428	904	908	920	rBV	247759	296443	10.97%	0.740%
8	8.151	1026	1031	1038	rBV	1140577	1068225	39.51%	2.668%
9	8.963	1166	1169	1177	rBV2	37422	59858	2.21%	0.150%
10	9.222	1210	1213	1219	rBV	578901	564039	20.86%	1.409%
11	9.310	1224	1228	1233	rBV2	72771	82726	3.06%	0.207%
12	9.498	1255	1260	1263	rVB3	35254	49275	1.82%	0.123%
13	9.563	1269	1271	1273	rVV2	73520	69641	2.58%	0.174%
14	9.586	1273	1275	1278	rVV2	49495	54817	2.03%	0.137%
15	9.627	1278	1282	1285	rVV2	121475	196299	7.26%	0.490%
16	9.686	1289	1292	1296	rVB2	63923	68575	2.54%	0.171%
17	9.769	1302	1306	1310	rBV	144009	157956	5.84%	0.395%
18	9.839	1310	1318	1322	rVV	143262	163516	6.05%	0.408%
19	9.904	1322	1329	1333	rBV	1212285	1184071	43.80%	2.958%
20	9.939	1333	1335	1339	rVB	160862	133951	4.95%	0.335%
21	10.069	1353	1357	1360	rBV5	44808	79337	2.93%	0.198%
22	10.110	1360	1364	1369	rVV2	108023	154038	5.70%	0.385%
23	10.163	1369	1373	1377	rVV5	59708	96092	3.55%	0.240%
24	10.221	1380	1383	1386	rBV3	56906	74919	2.77%	0.187%
25	10.333	1396	1402	1405	rBV	264975	270697	10.01%	0.676%
26	10.398	1410	1413	1416	rVB3	35219	50013	1.85%	0.125%
27	10.451	1419	1422	1428	rBV	219295	253177	9.36%	0.632%
28	10.557	1435	1440	1446	rBV	141950	201588	7.46%	0.504%
29	10.610	1446	1449	1452	rVB	89404	81918	3.03%	0.205%
30	10.692	1457	1463	1470	rBV2	282358	362218	13.40%	0.905%
31	10.810	1480	1483	1491	rVB	402792	496550	18.37%	1.240%
32	11.004	1512	1516	1518	rBV2	92847	112392	4.16%	0.281%
33	11.033	1518	1521	1524	rVB2	87551	92129	3.41%	0.230%
34	11.133	1535	1538	1539	rVV2	52789	52919	1.96%	0.132%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115812.D
 Acq On : 27 Jul 2019 2:46
 Operator : HP/JU
 Sample : K3626-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

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-BF071219.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.257	1556	1559	1562	rBV	397791	308121	11.40%	0.770%
36	11.286	1562	1564	1570	rVB	283094	278509	10.30%	0.696%
37	11.392	1578	1582	1584	rBV	1119278	1060838	39.24%	2.650%
38	11.416	1584	1586	1592	rVV	1425307	1247019	46.13%	3.115%
39	11.468	1592	1595	1598	rVV	528322	470933	17.42%	1.176%
40	11.504	1598	1601	1603	rVV2	72704	73370	2.71%	0.183%
41	11.568	1609	1612	1615	rVB2	57548	56047	2.07%	0.140%
42	11.639	1619	1624	1628	rBV4	59502	105832	3.91%	0.264%
43	11.680	1628	1631	1634	rBV2	430161	351637	13.01%	0.878%
44	11.780	1645	1648	1651	rBV	635912	489207	18.10%	1.222%
45	11.892	1664	1667	1669	rBV	213929	172697	6.39%	0.431%
46	11.921	1669	1672	1675	rVB	274484	220242	8.15%	0.550%
47	11.968	1677	1680	1683	rBV	138465	138368	5.12%	0.346%
48	12.004	1683	1686	1689	rBV	417698	454283	16.80%	1.135%
49	12.086	1697	1700	1704	rVB	353575	321443	11.89%	0.803%
50	12.186	1714	1717	1720	rBV	160434	128137	4.74%	0.320%
51	12.339	1740	1743	1745	rVB	64281	52478	1.94%	0.131%
52	12.368	1745	1748	1750	rBV	100228	81399	3.01%	0.203%
53	12.439	1757	1760	1762	rBV	154257	168950	6.25%	0.422%
54	12.468	1762	1765	1766	rVV	1441157	1444332	53.42%	3.608%
55	12.486	1766	1768	1774	rVV2	2345845	2137882	79.08%	5.340%
56	12.527	1774	1775	1780	rVB2	106249	102413	3.79%	0.256%
57	12.568	1780	1782	1785	rBV	319490	256579	9.49%	0.641%
58	12.610	1785	1789	1792	rBV	2244439	2167441	80.17%	5.414%
59	12.698	1802	1804	1808	rBV	72862	58619	2.17%	0.146%
60	12.757	1811	1814	1817	rVB	74826	70191	2.60%	0.175%
61	12.839	1821	1828	1833	rBV2	1941299	2534990	93.77%	6.332%
62	12.880	1833	1835	1840	rVB2	100465	127715	4.72%	0.319%
63	12.968	1844	1850	1853	rBV2	627712	687004	25.41%	1.716%
64	13.051	1860	1864	1867	rBV2	175881	267684	9.90%	0.669%
65	13.139	1875	1879	1880	rVV3	147299	168808	6.24%	0.422%
66	13.162	1880	1883	1886	rVB	492785	460682	17.04%	1.151%
67	13.204	1886	1890	1891	rBV	200830	178452	6.60%	0.446%
68	13.227	1891	1894	1897	rVV	449286	390707	14.45%	0.976%
69	13.262	1897	1900	1903	rVV2	240809	266291	9.85%	0.665%
70	13.292	1903	1905	1908	rVB2	97358	96211	3.56%	0.240%
71	13.327	1908	1911	1913	rBV3	53307	56126	2.08%	0.140%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115812.D
 Acq On : 27 Jul 2019 2:46
 Operator : HP/JU
 Sample : K3626-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

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-BF071219.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.357	1913	1916	1919	rBV	135394	103632	3.83%	0.259%
73	13.392	1919	1922	1926	rBV2	146644	205849	7.61%	0.514%
74	13.545	1944	1948	1953	rBV4	189784	312285	11.55%	0.780%
75	13.645	1962	1965	1967	rBV	75260	93110	3.44%	0.233%
76	13.674	1967	1970	1974	rVB3	91206	129121	4.78%	0.323%
77	13.780	1985	1988	1990	rBV	159479	148993	5.51%	0.372%
78	13.804	1990	1992	1995	rVV	189866	188860	6.99%	0.472%
79	13.833	1995	1997	2001	rVV2	205797	287936	10.65%	0.719%
80	13.874	2002	2004	2009	rVB3	160586	177015	6.55%	0.442%
81	14.027	2023	2030	2033	rBV2	1789301	2703533	100.00%	6.753%
82	14.057	2033	2035	2043	rVB	1272006	1156290	42.77%	2.888%
83	14.139	2046	2049	2052	rBV	264287	213216	7.89%	0.533%
84	14.186	2053	2057	2060	rBV3	123776	182513	6.75%	0.456%
85	14.251	2065	2068	2072	rBV2	114237	159719	5.91%	0.399%
86	14.380	2088	2090	2092	rBV	74873	61699	2.28%	0.154%
87	14.415	2093	2096	2099	rVV	274623	271530	10.04%	0.678%
88	14.451	2099	2102	2106	rVB2	133334	116131	4.30%	0.290%
89	14.492	2106	2109	2111	rBV3	123504	150162	5.55%	0.375%
90	14.539	2115	2117	2119	rVV	163228	157566	5.83%	0.394%
91	14.562	2119	2121	2125	rVB	187749	158033	5.85%	0.395%
92	14.798	2159	2161	2165	rBV3	86143	104366	3.86%	0.261%
93	14.915	2177	2181	2188	rBV	276913	411129	15.21%	1.027%
94	15.074	2204	2208	2211	rBV	975122	1464040	54.15%	3.657%
95	15.186	2224	2227	2230	rVB	200636	211062	7.81%	0.527%
96	15.380	2256	2260	2266	rVB	505789	667875	24.70%	1.668%
97	15.445	2266	2271	2276	rBV	886977	1107295	40.96%	2.766%
98	15.503	2277	2281	2284	rBV	738151	962246	35.59%	2.404%
99	16.980	2527	2532	2539	rVB2	269219	518009	19.16%	1.294%
100	17.427	2603	2608	2619	rVB	193123	446213	16.50%	1.115%

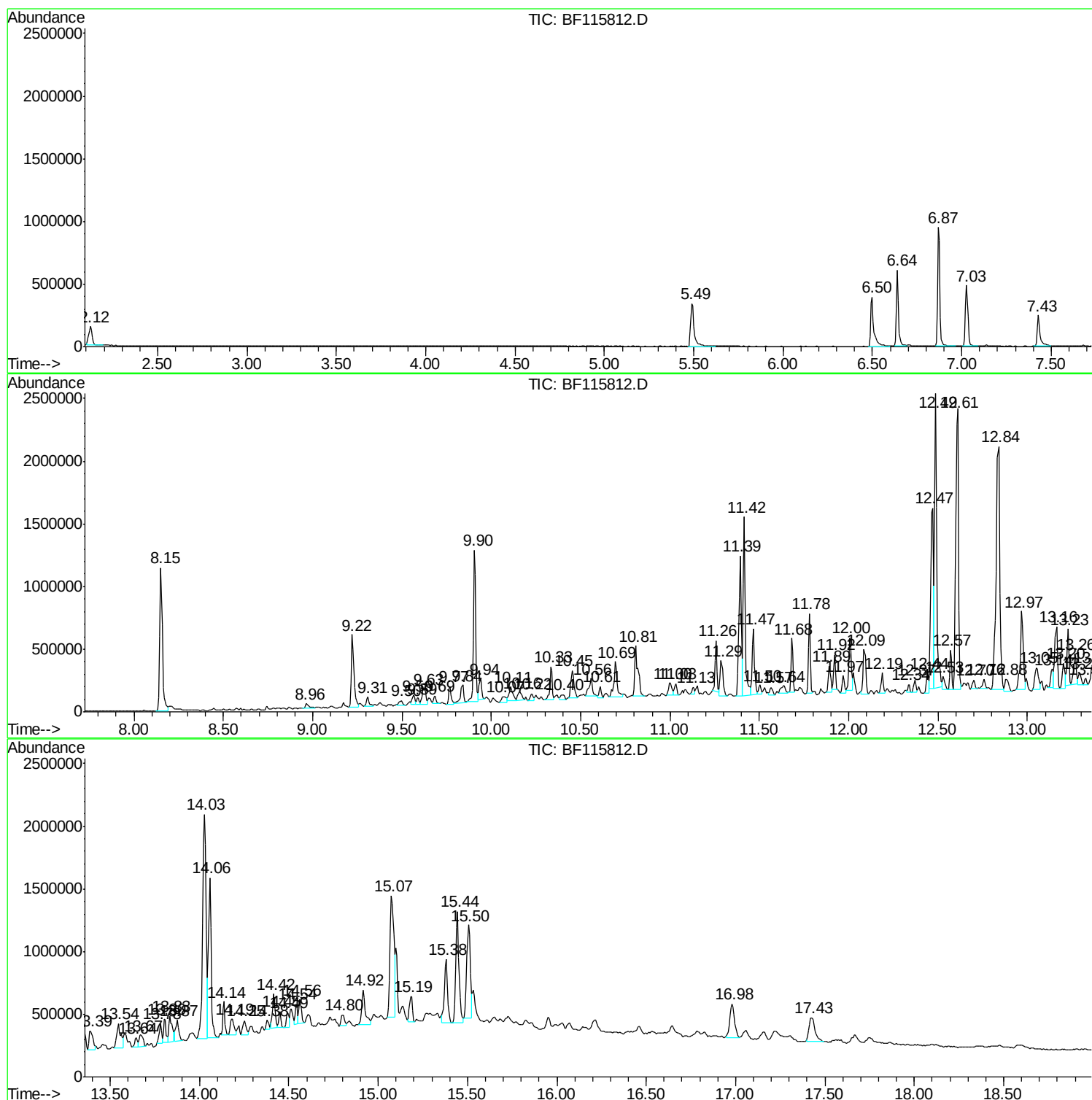
Sum of corrected areas: 40033380

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.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\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

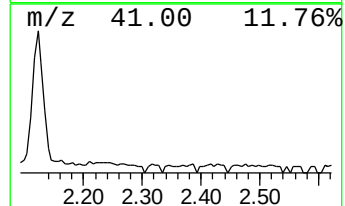
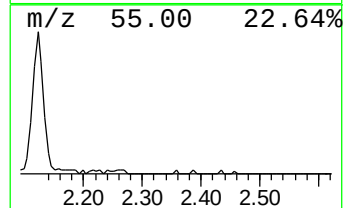
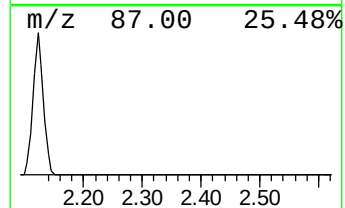
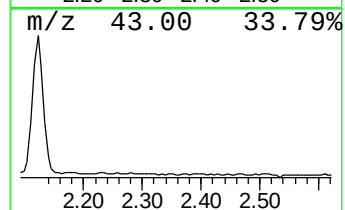
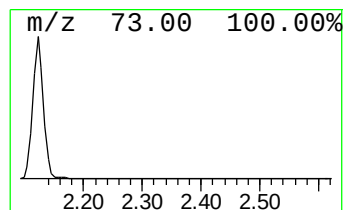
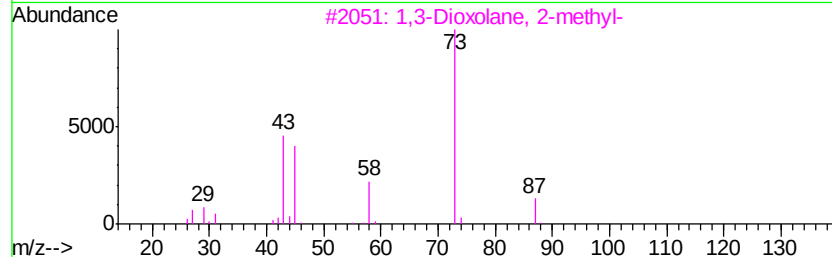
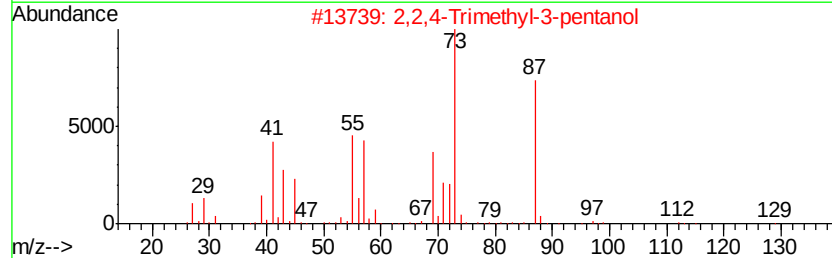
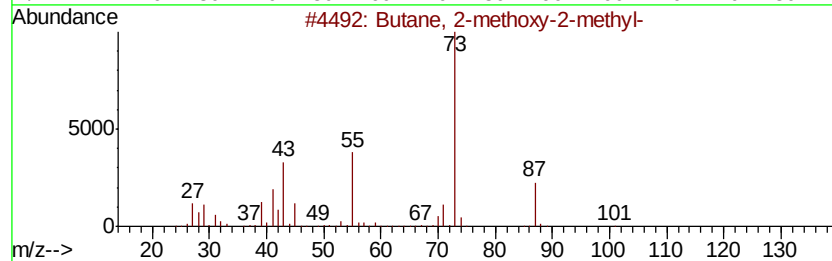
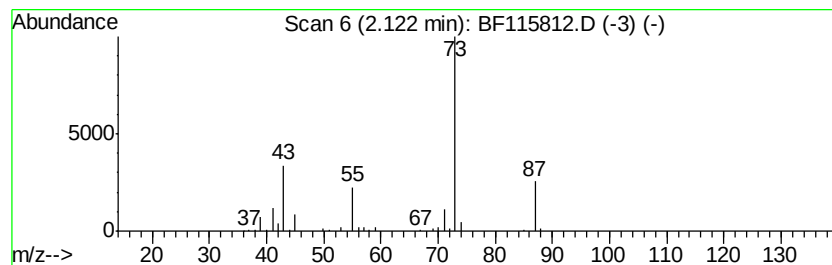
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	4.31 ng	189906	1,4-Dichlorobenzene-d4	6.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

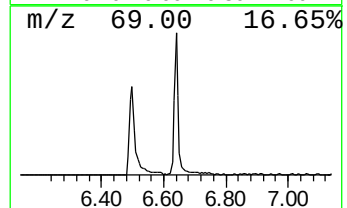
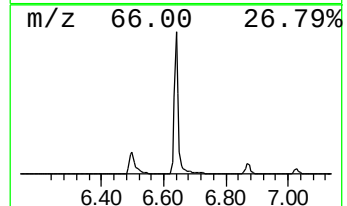
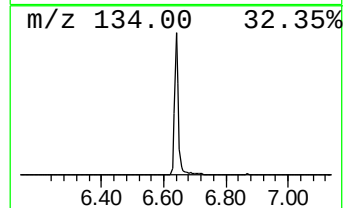
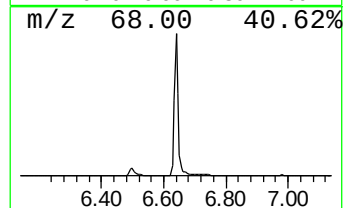
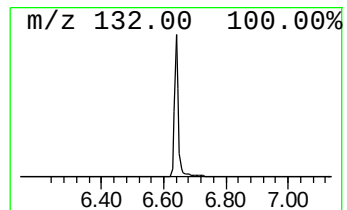
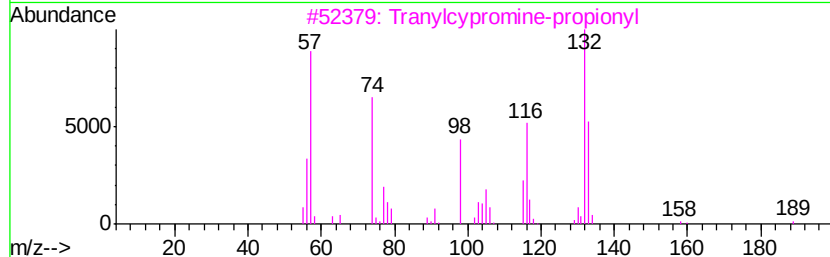
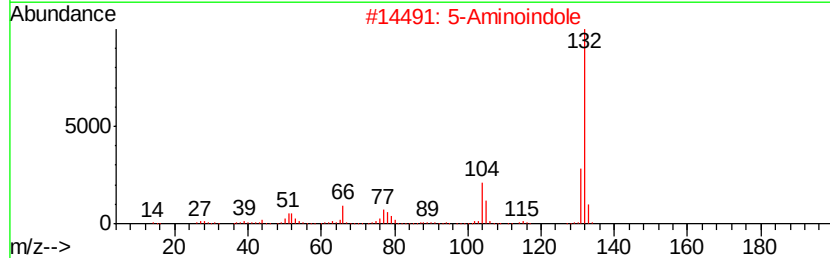
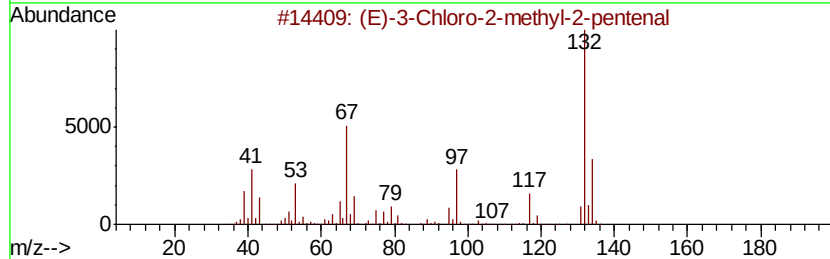
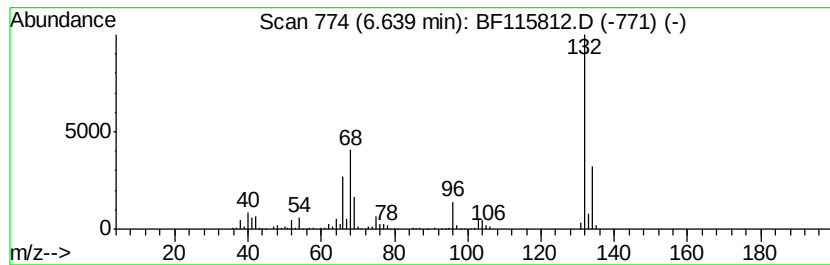
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.64 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	11.99 ng	528202	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

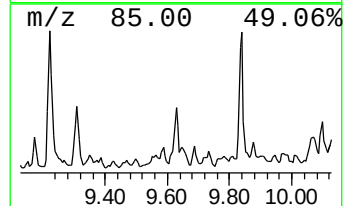
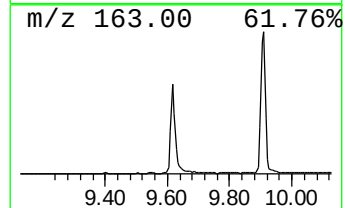
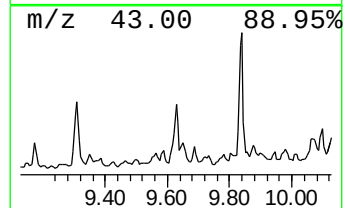
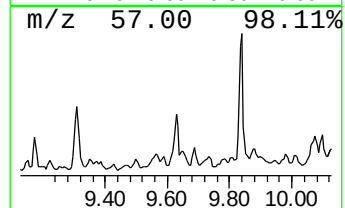
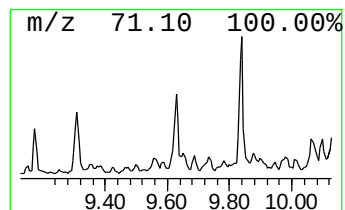
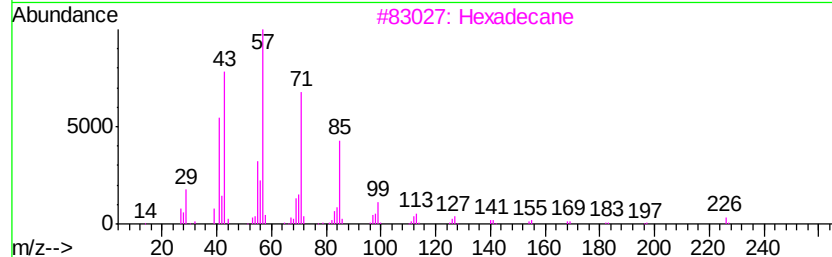
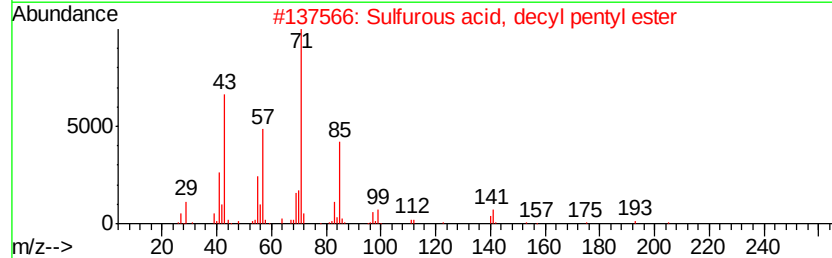
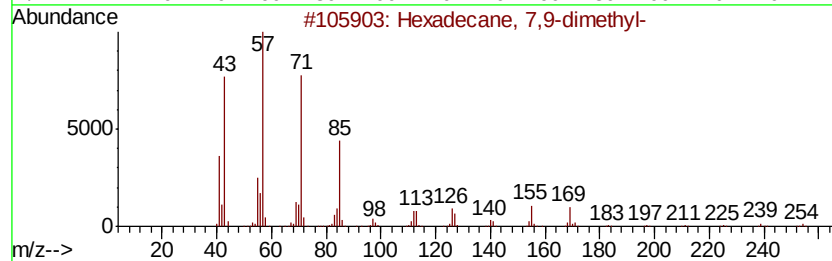
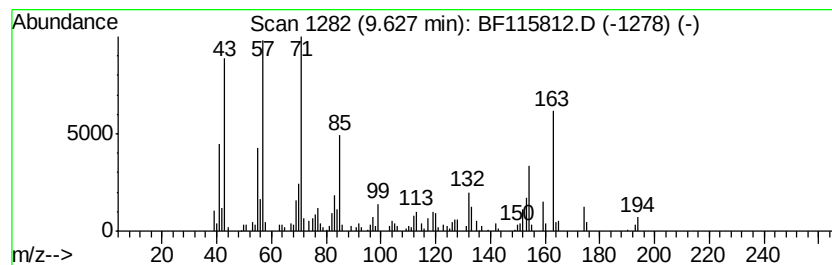
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown9.63 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.63	3.32 ng	196299	Acenaphthene-d10	9.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	38
2		Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	38
3		Hexadecane	226	C16H34	000544-76-3	38
4		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	35
5		Heptacosane	380	C27H56	000593-49-7	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

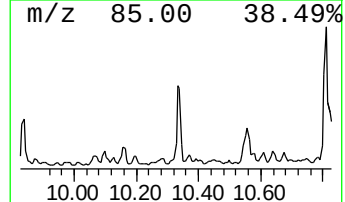
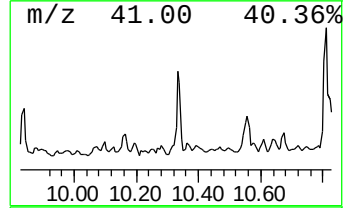
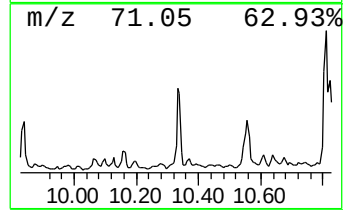
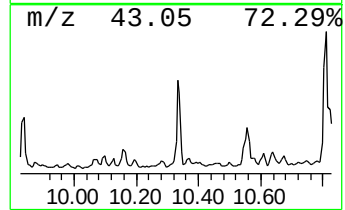
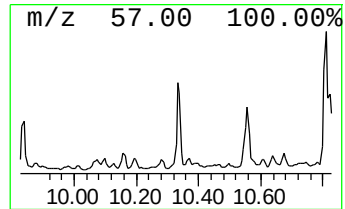
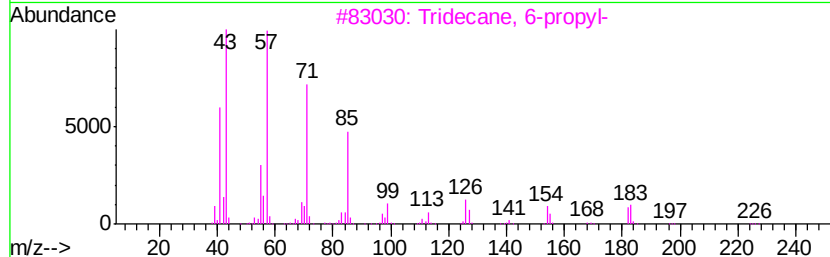
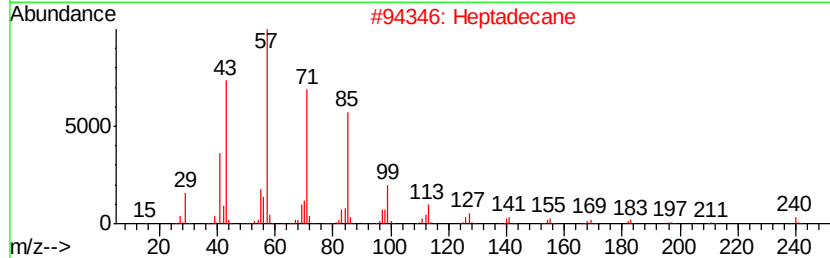
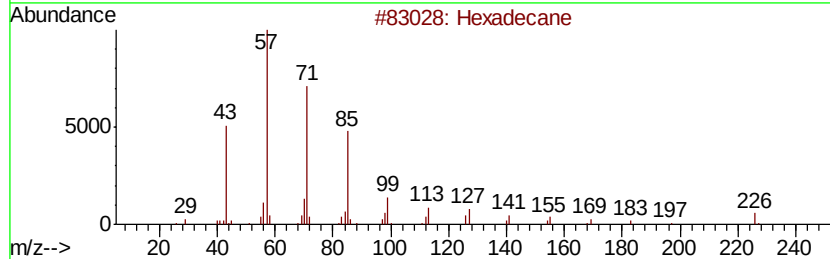
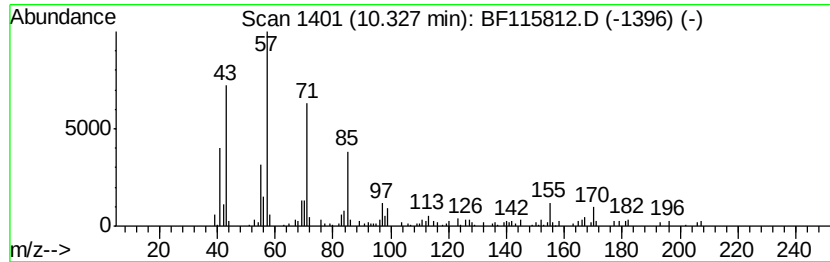
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.33	4.57 ng	270697	Acenaphthene-d10	9.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

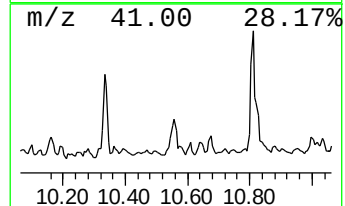
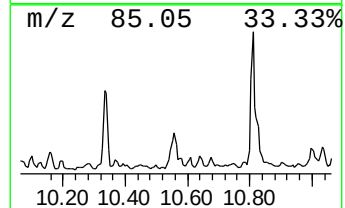
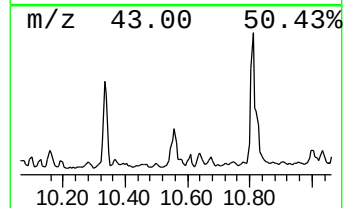
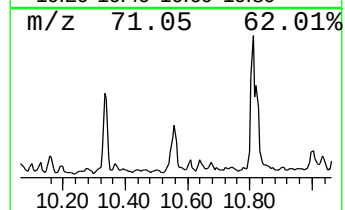
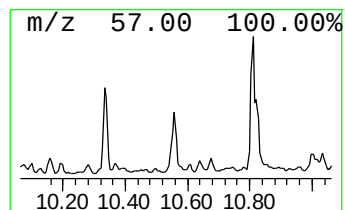
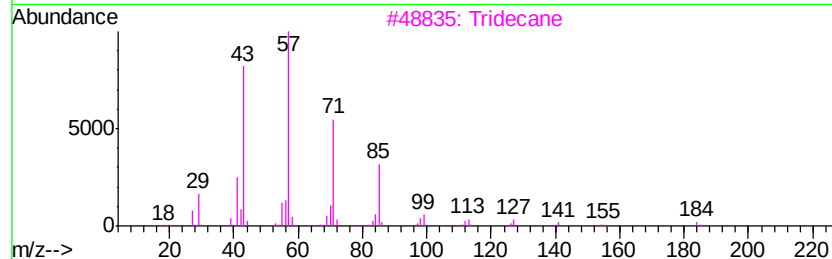
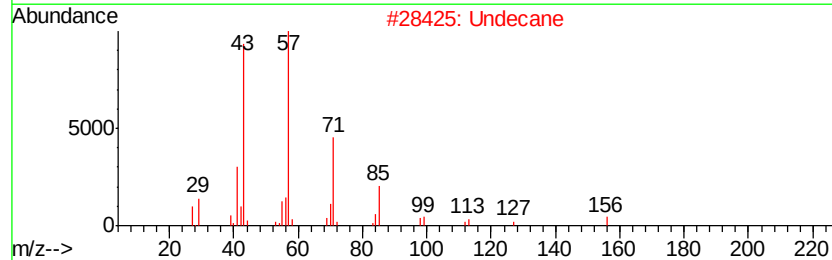
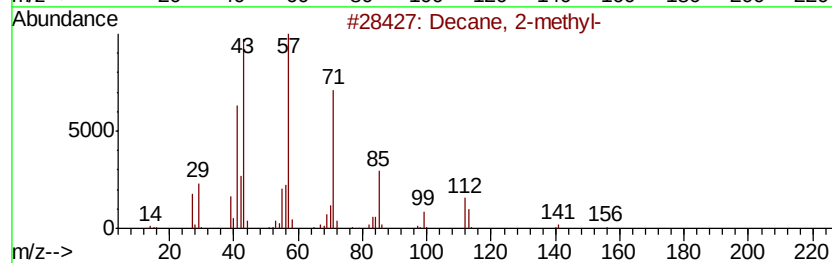
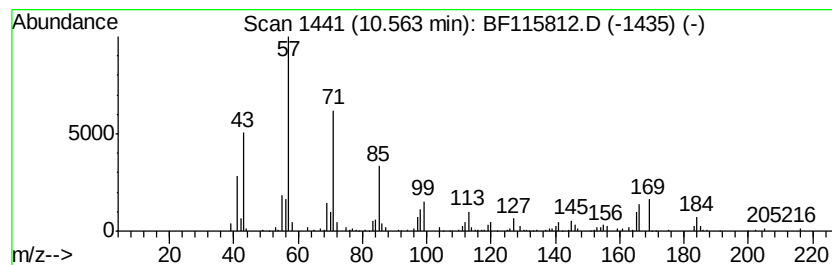
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	3.41 ng	201588	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 2-methyl-	156 C11H24	006975-98-0	81
2	Undecane	156 C11H24	001120-21-4	72
3	Tridecane	184 C13H28	000629-50-5	72
4	Dodecane, 2-methyl-8-propyl-	226 C16H34	055045-07-3	72
5	Heptacosane	380 C27H56	000593-49-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

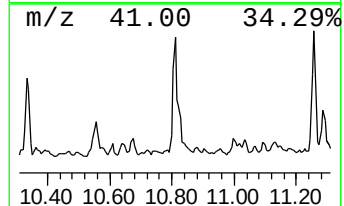
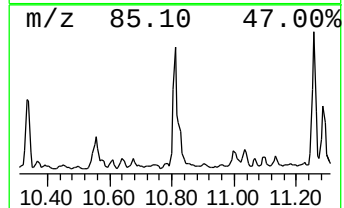
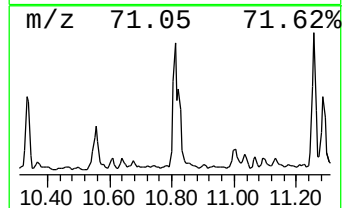
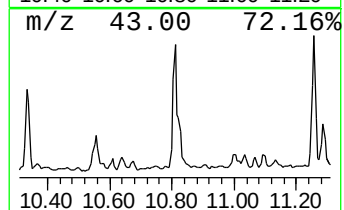
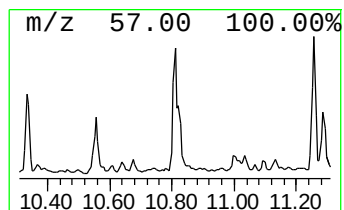
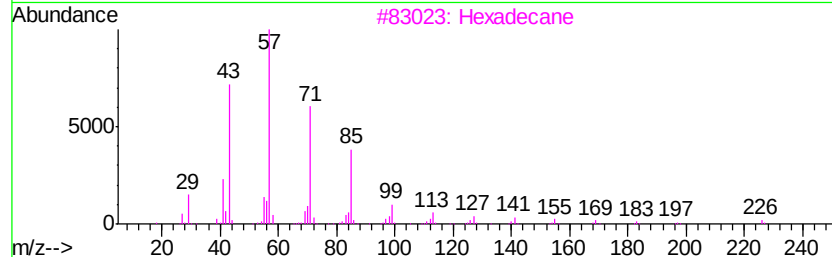
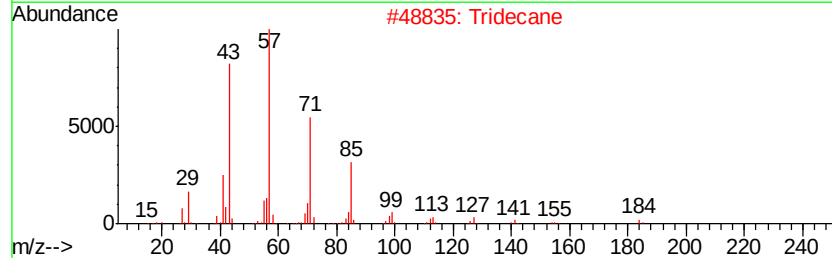
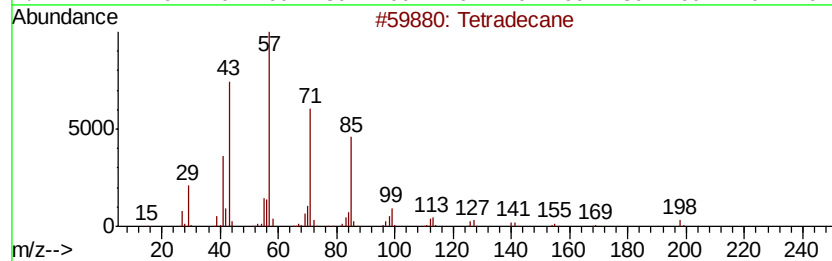
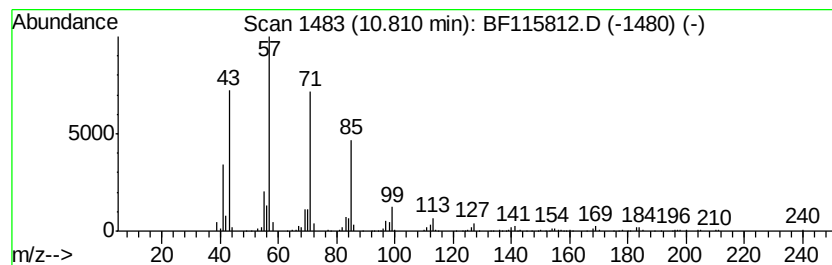
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	9.36 ng	496550	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	95
2		Tridecane	184	C13H28	000629-50-5	93
3		Hexadecane	226	C16H34	000544-76-3	91
4		Heptadecane	240	C17H36	000629-78-7	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

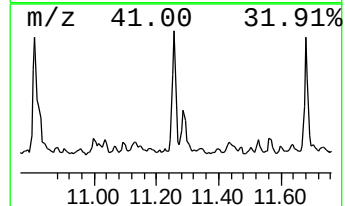
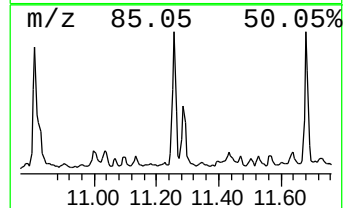
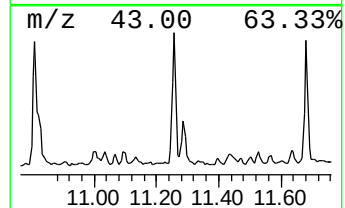
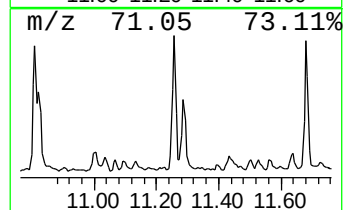
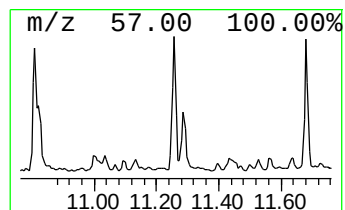
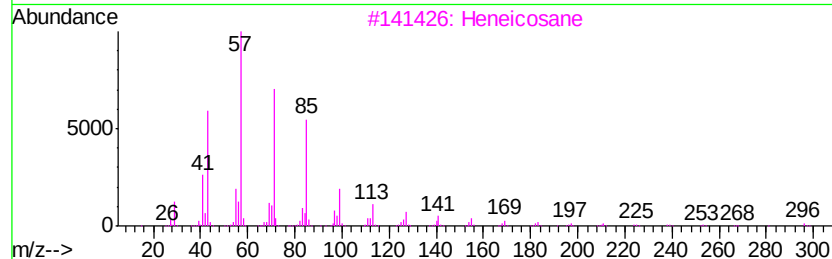
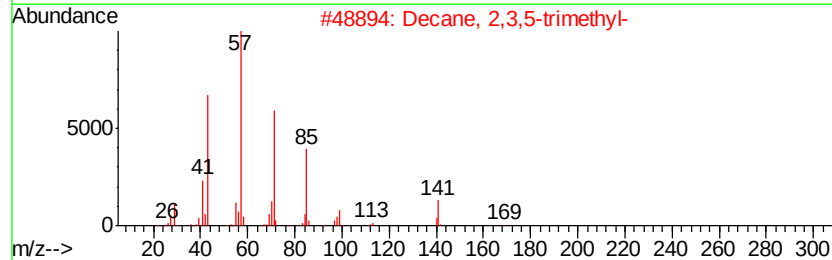
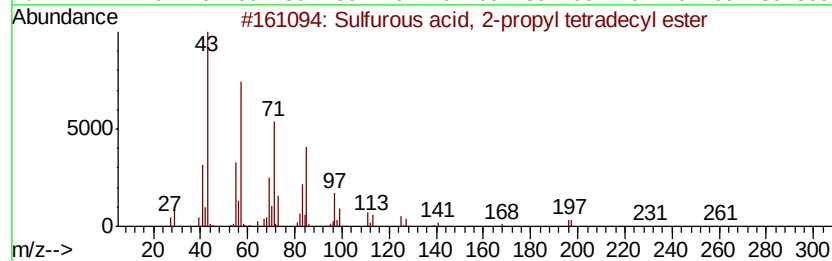
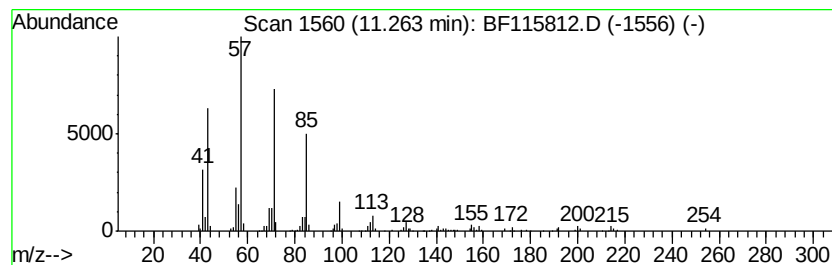
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Sulfurous acid, 2-propyl te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	5.81 ng	308121	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	90
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Tetradecane	198	C14H30	000629-59-4	86
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

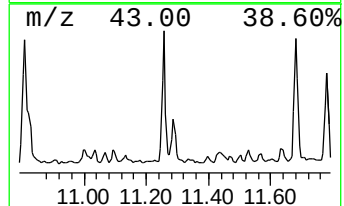
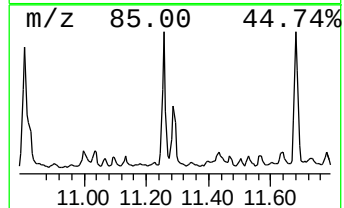
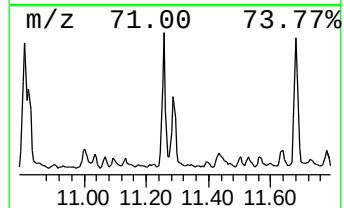
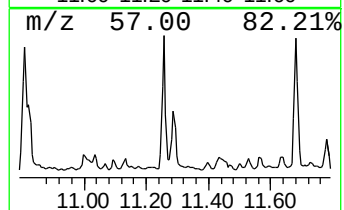
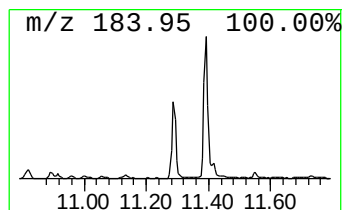
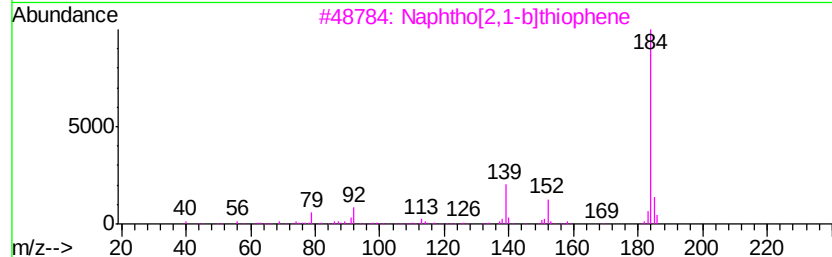
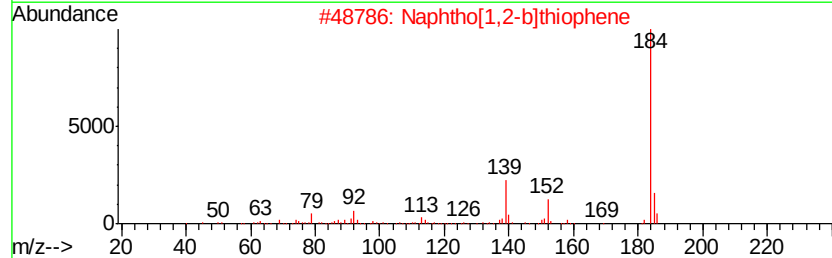
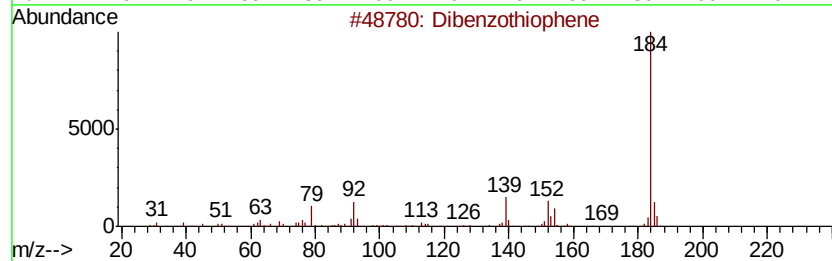
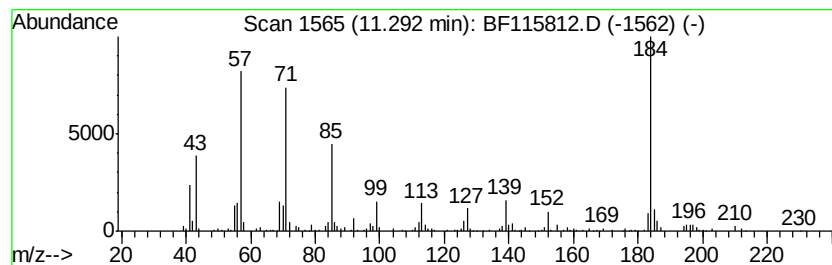
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.29 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	5.25 ng	278509	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	46
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	46
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	46
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	46
5		Decane, 3-methyl-	156	C11H24	013151-34-3	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

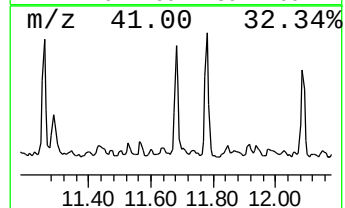
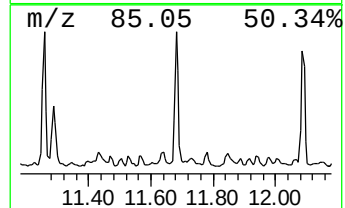
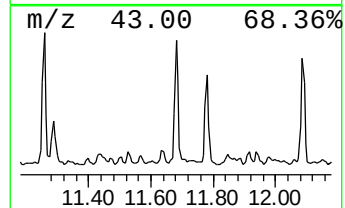
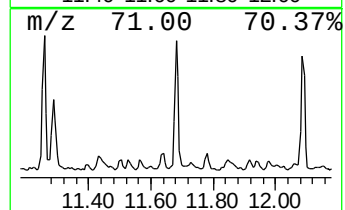
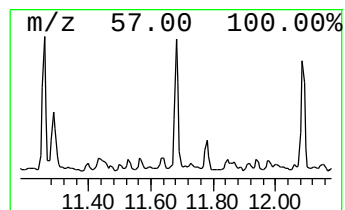
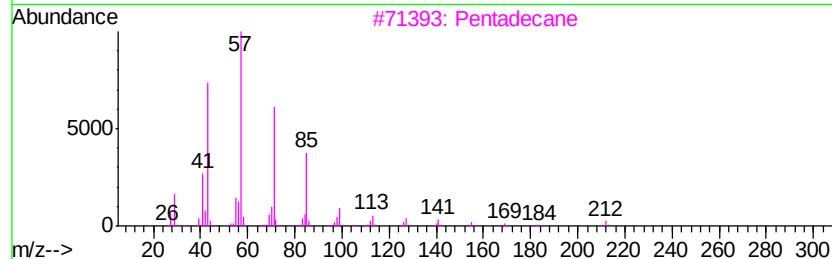
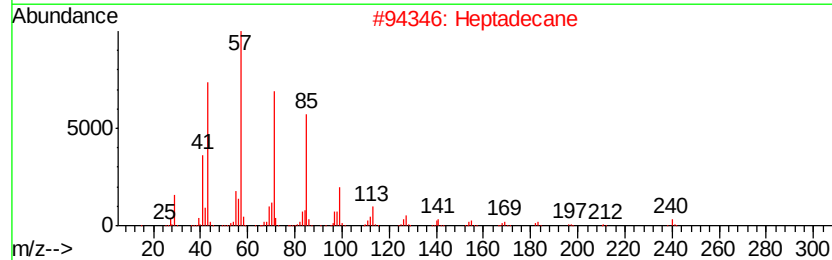
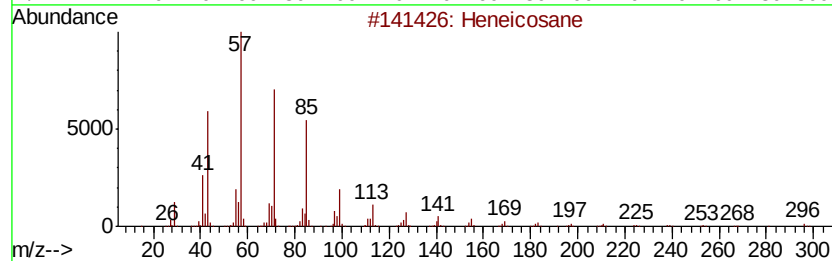
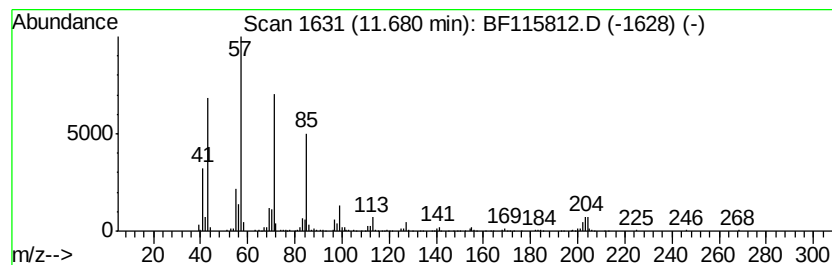
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	6.63 ng	351637	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	87
2			Heptadecane	240	C17H36	000629-78-7	86
3			Pentadecane	212	C15H32	000629-62-9	86
4			Tetracosane	338	C24H50	000646-31-1	86
5			Eicosane, 10-methyl-	296	C21H44	054833-23-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

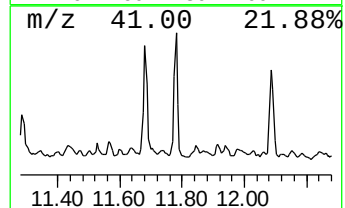
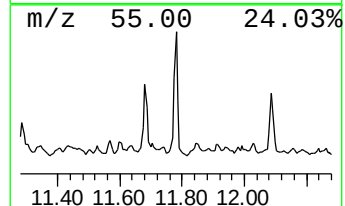
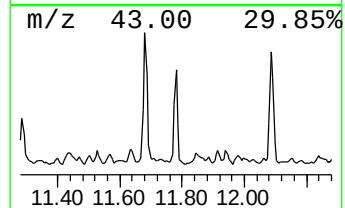
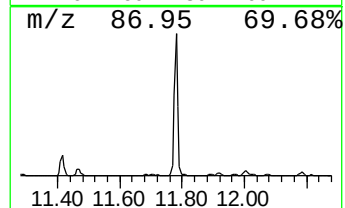
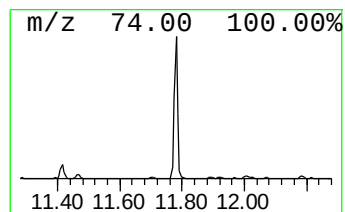
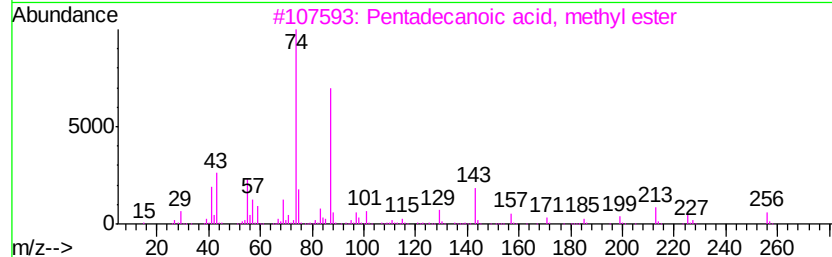
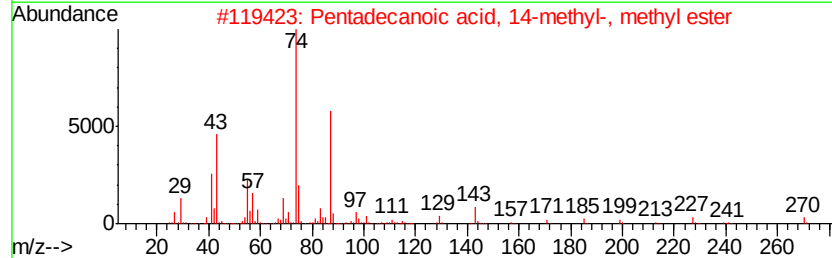
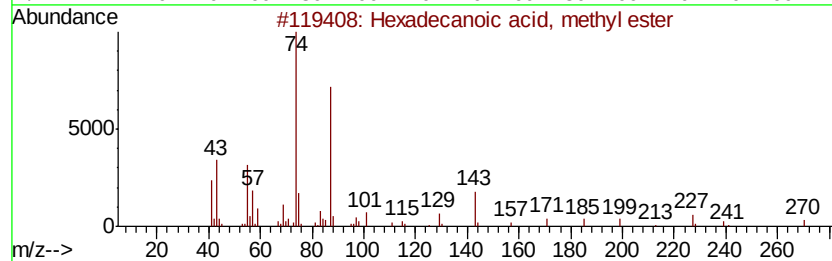
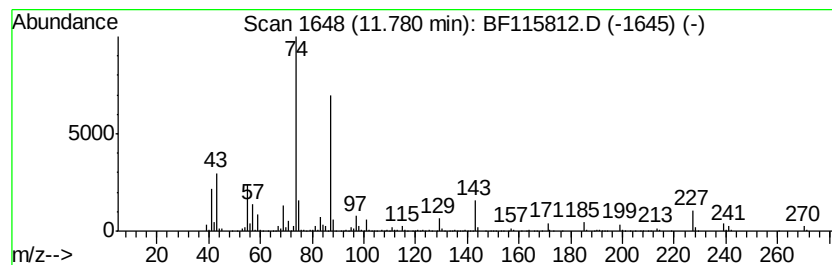
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	9.22 ng	489207	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

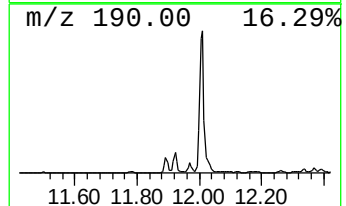
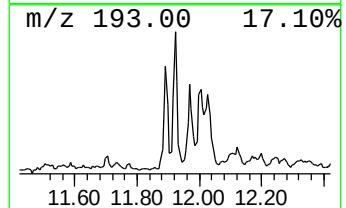
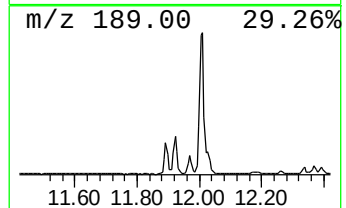
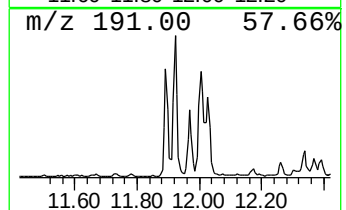
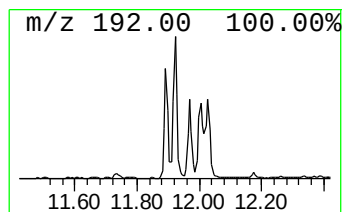
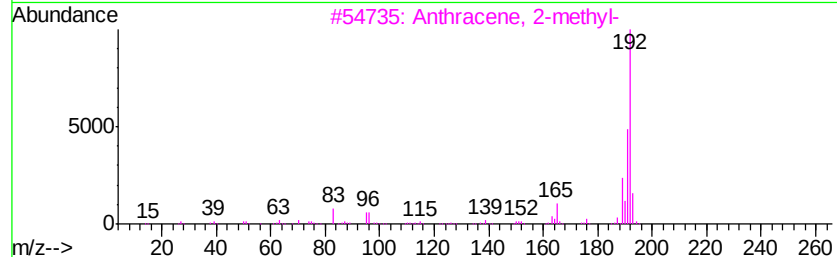
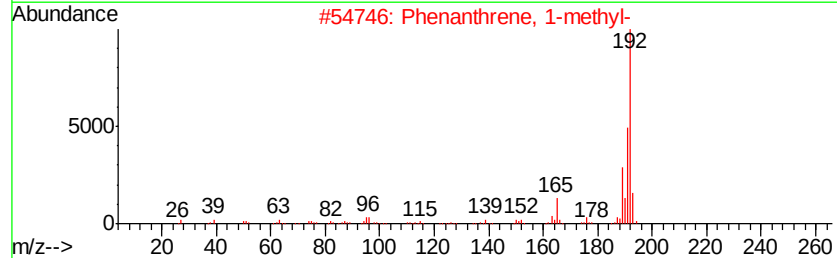
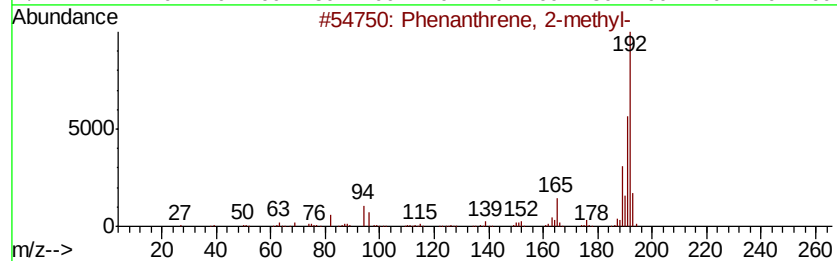
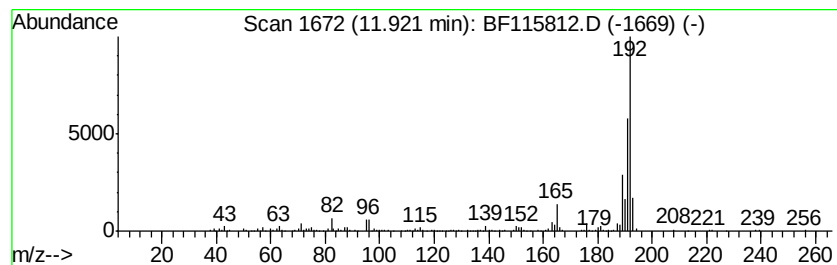
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	4.15 ng	220242	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

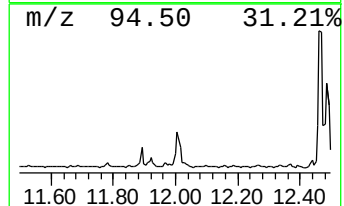
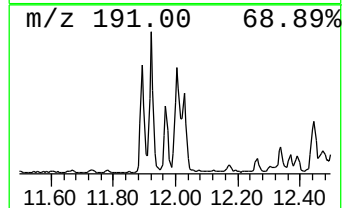
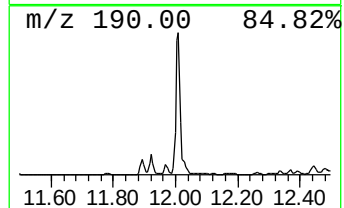
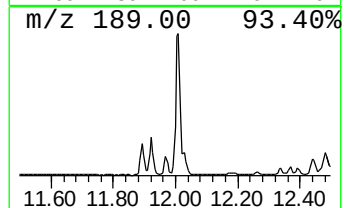
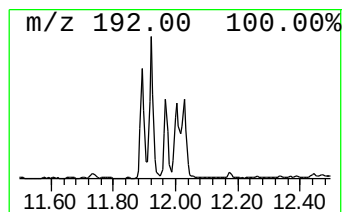
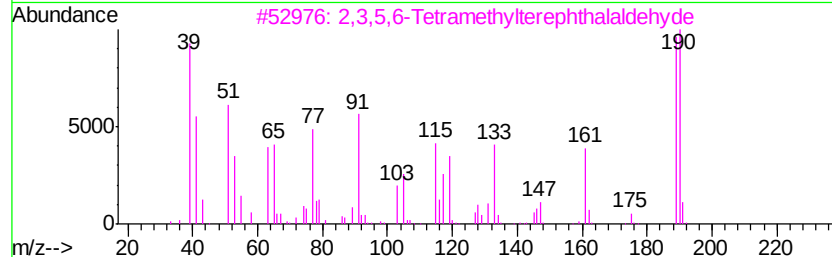
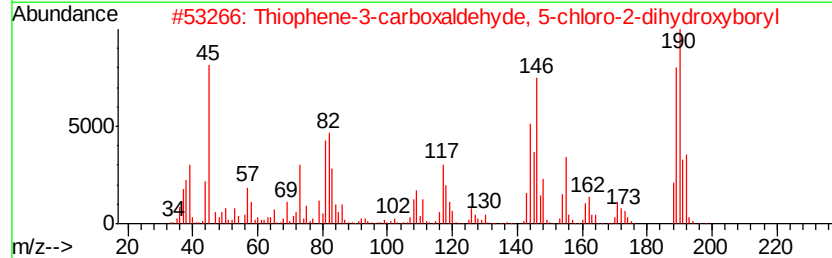
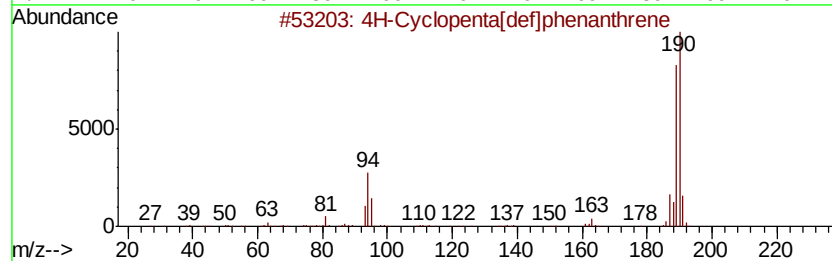
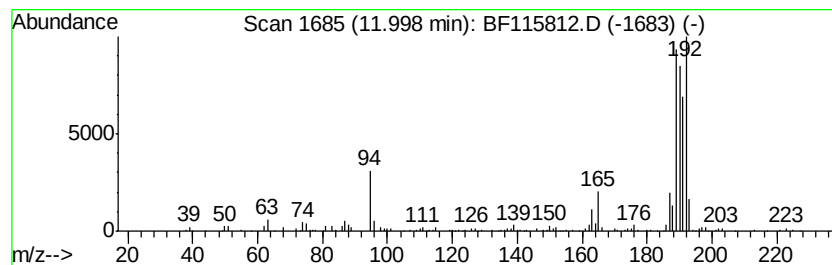
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	8.56 ng	454283	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

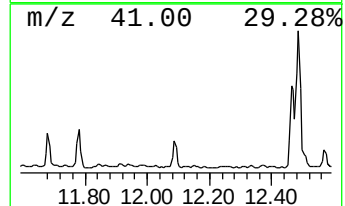
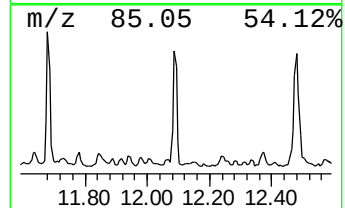
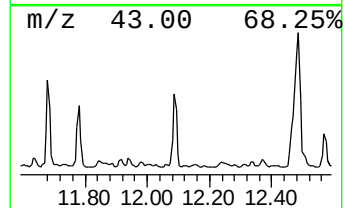
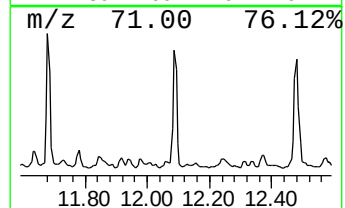
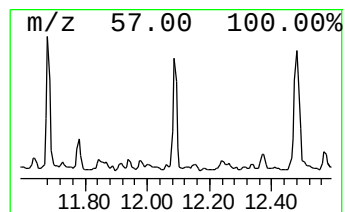
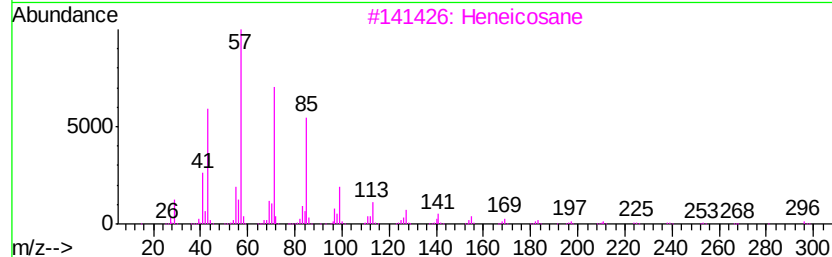
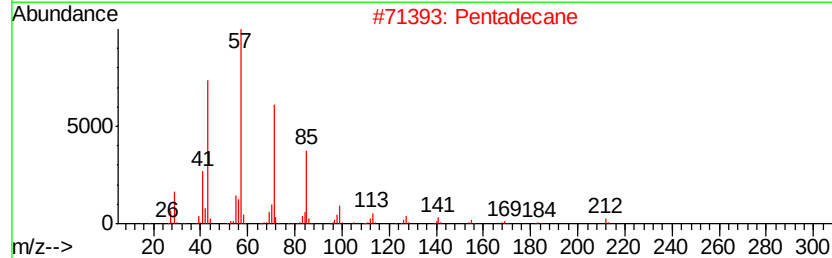
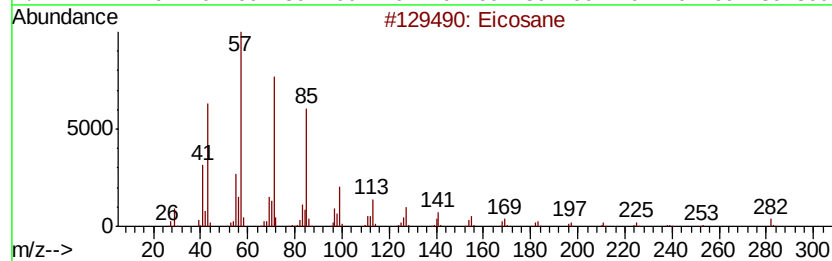
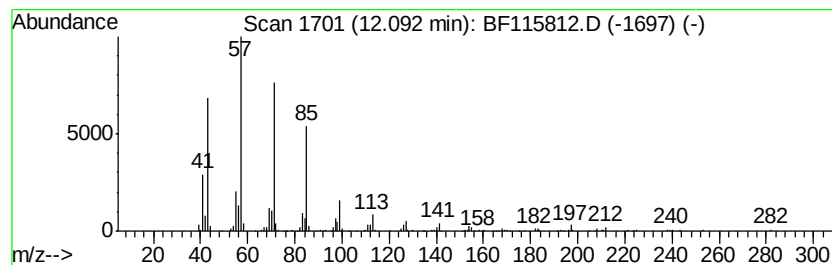
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.09	6.06 ng	321443	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Pentadecane	212	C15H32	000629-62-9	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octadecane	254	C18H38	000593-45-3	90
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

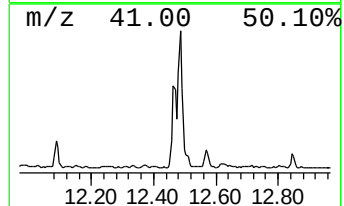
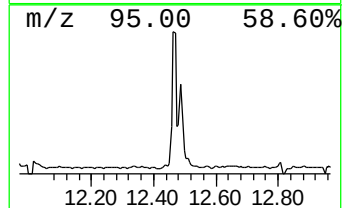
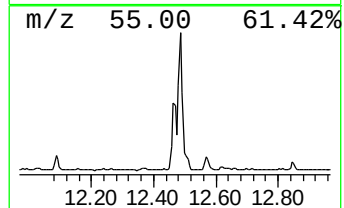
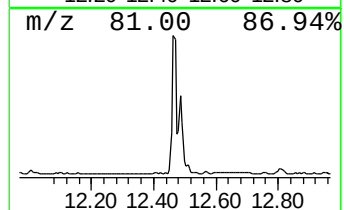
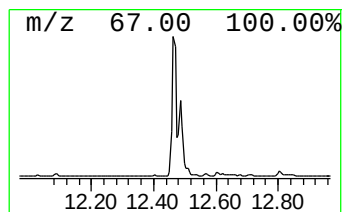
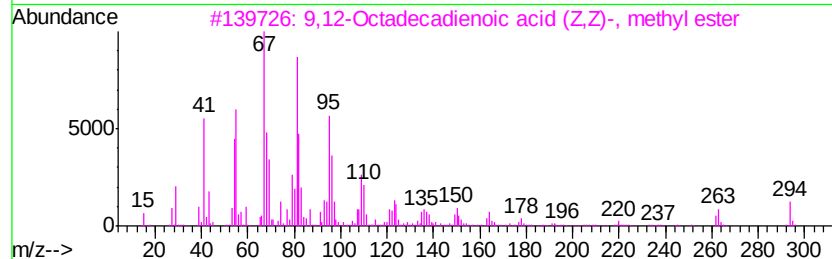
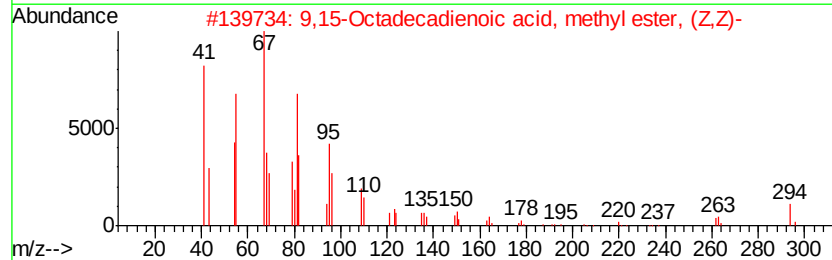
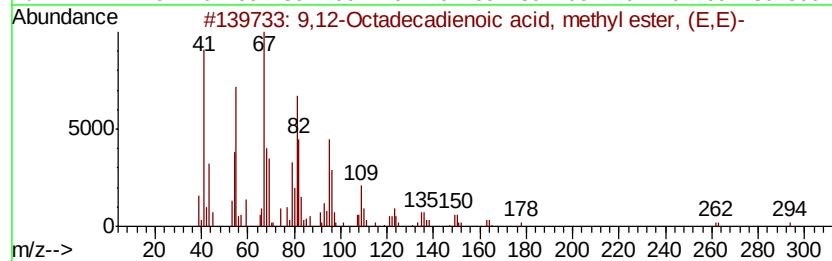
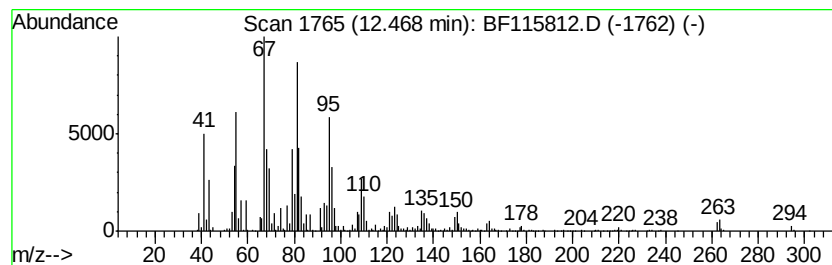
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.47	27.23 ng	1444330	Phenanthrene-d10	11.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99	
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99	
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99	
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99	
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

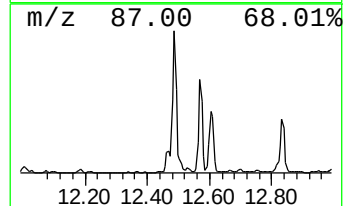
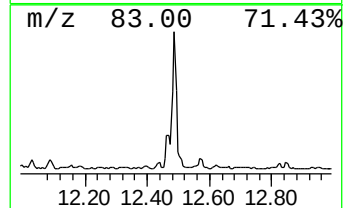
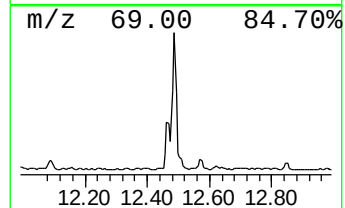
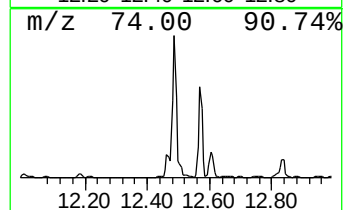
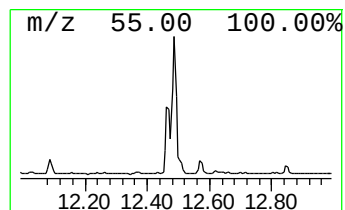
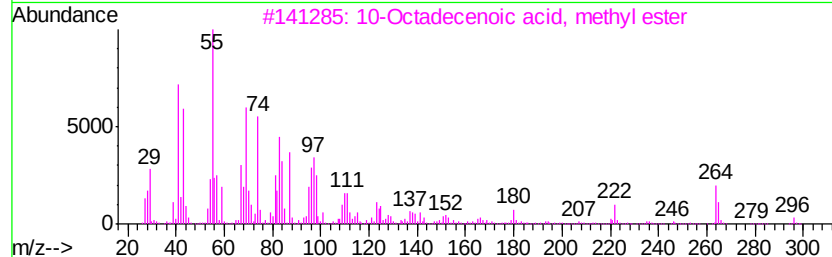
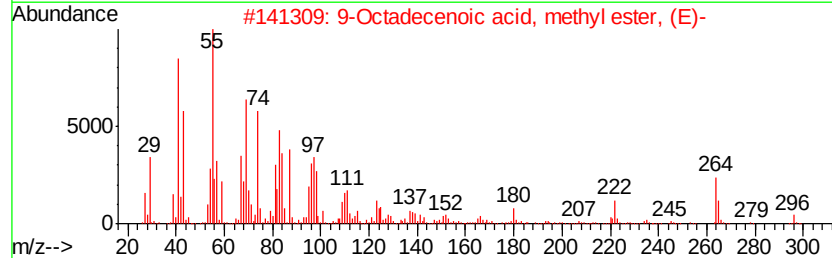
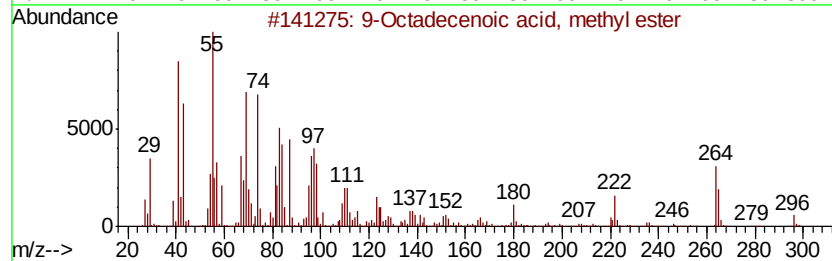
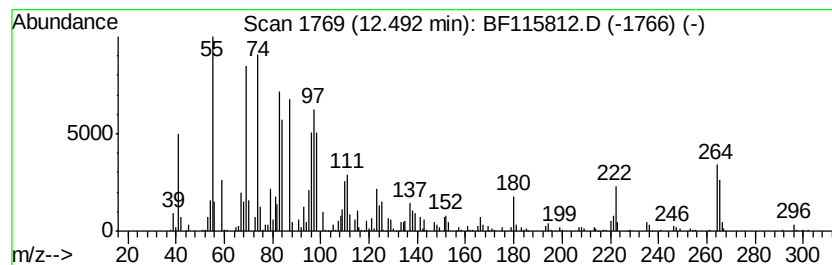
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.49	40.31 ng	2137880	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	9-Octadecenoic acid, methyl ester...	296	C19H36O2	001937-62-8	97
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	96
4	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	95
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

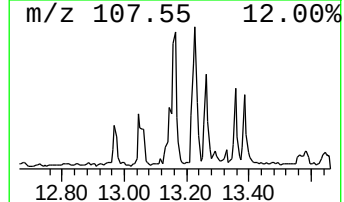
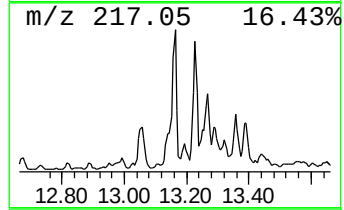
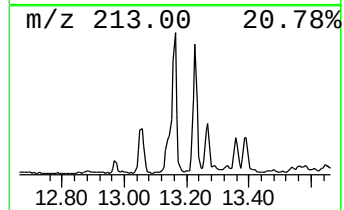
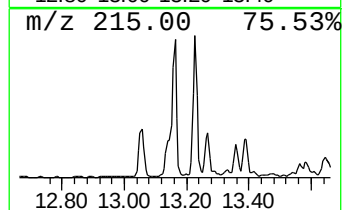
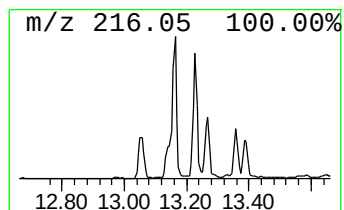
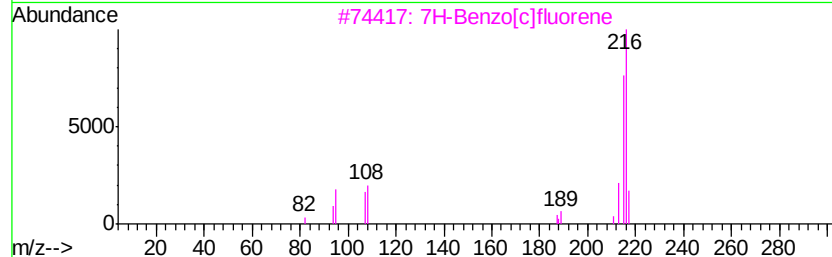
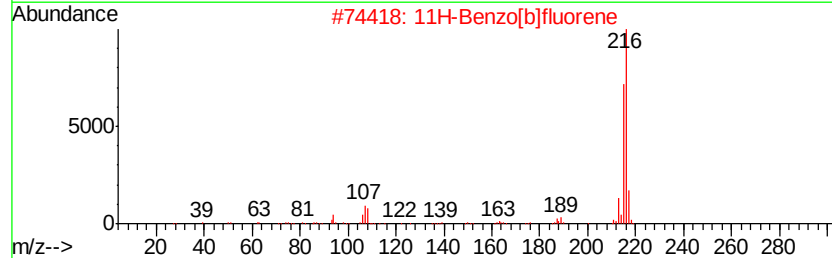
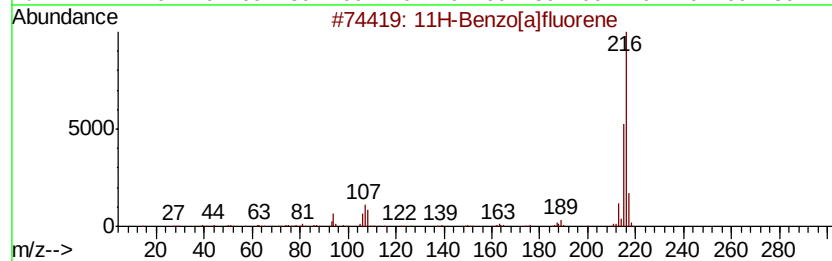
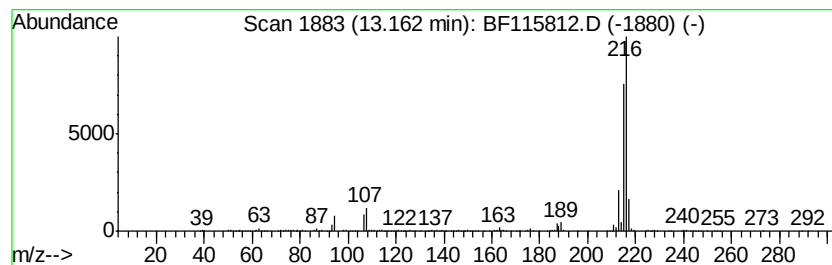
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.16	3.41 ng	460682	Chrysene-d12	14.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

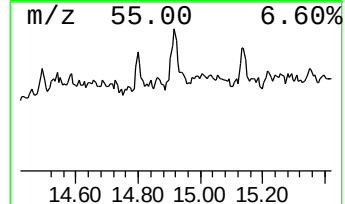
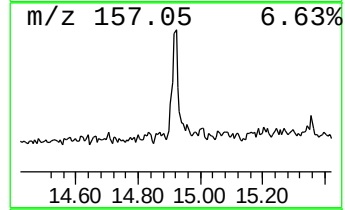
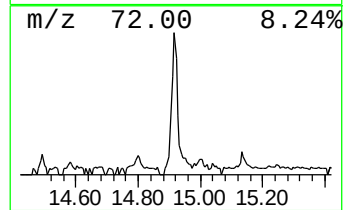
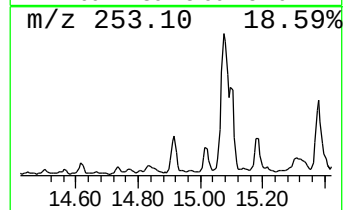
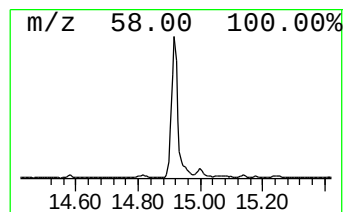
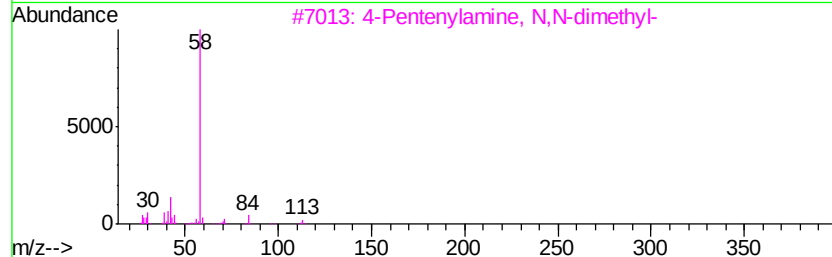
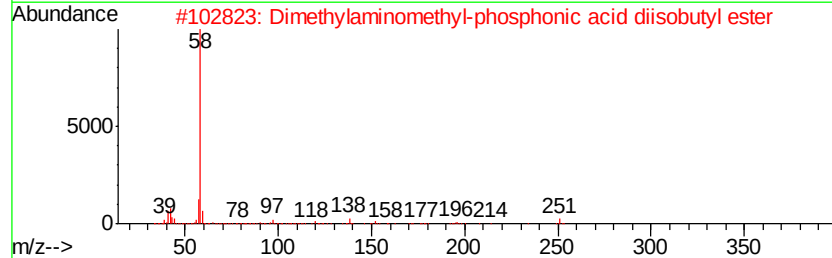
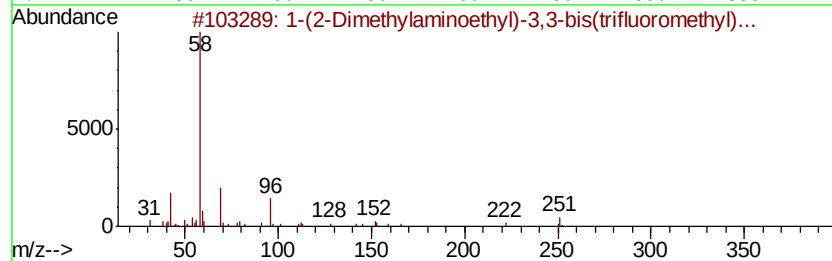
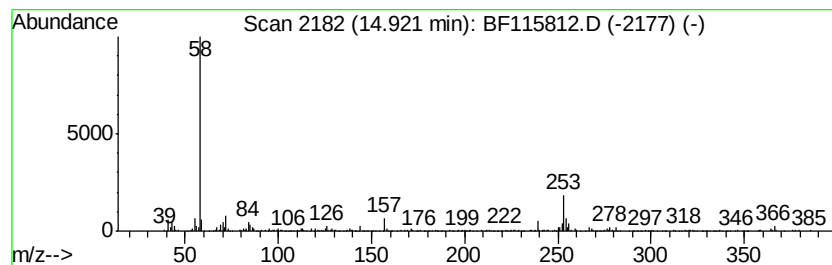
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-(2-Dimethylaminoethyl)-3,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	8.55 ng	411129	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-(2-Dimethylaminoethyl)-3,3-bis...	251	C7H11F6N3	106036-93-5	52
2			Dimethylaminomethyl-phosphonic a...	251	C11H26N03P	299967-97-8	50
3			4-Pentenylamine, N,N-dimethyl-	113	C7H15N	001001-91-8	49
4			9-Azabicyclo[6.1.0]non-4-en-9-am...	138	C8H14N2	066387-78-8	49
5			Carbonic acid, butyl 2-dimethyla...	189	C9H19N03	1000331-41-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

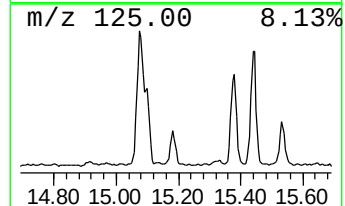
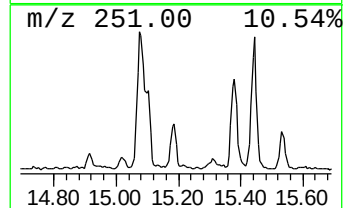
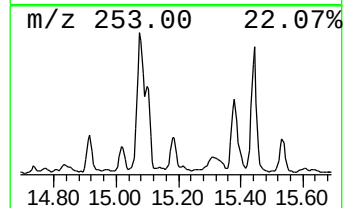
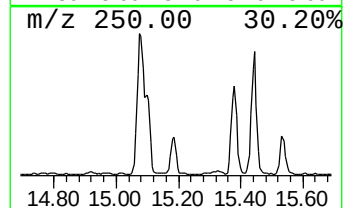
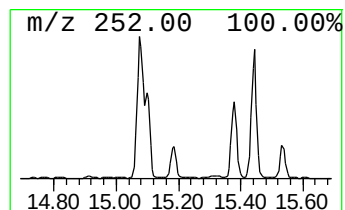
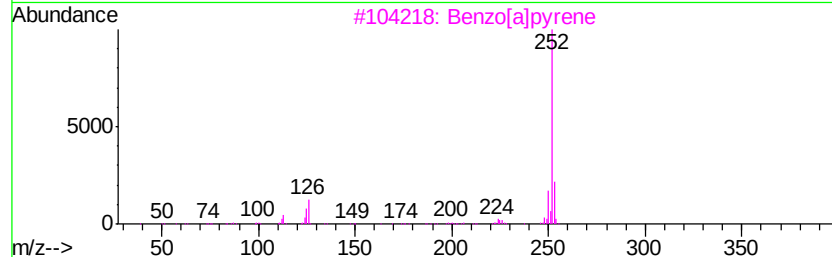
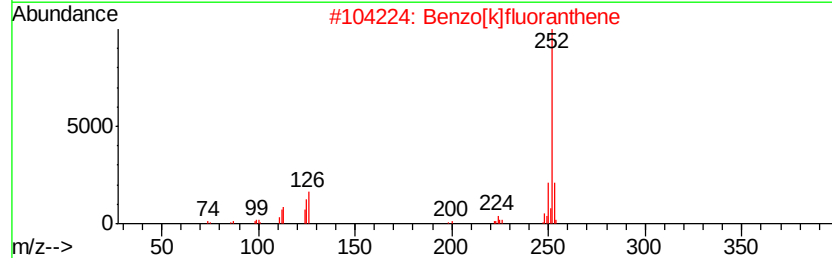
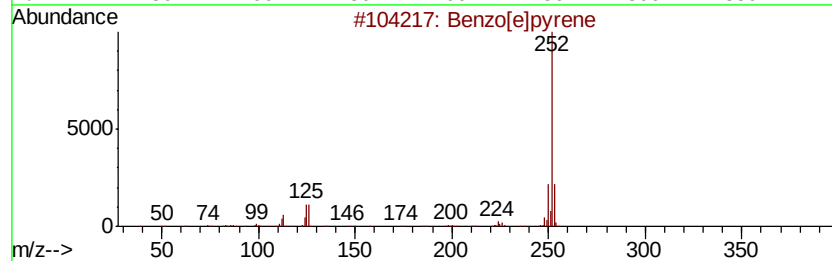
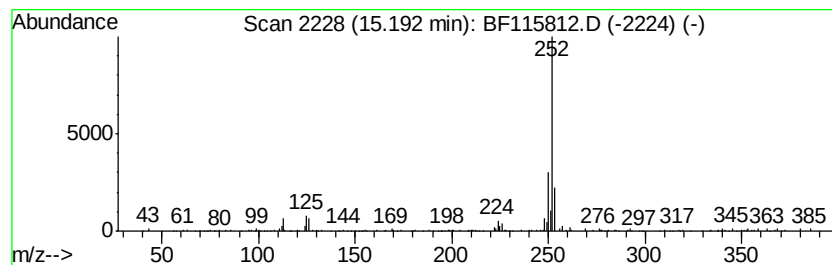
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.39 ng	211062	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115812.D
Acq On : 27 Jul 2019 2:46
Operator : HP/JU
Sample : K3626-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

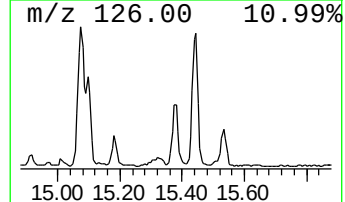
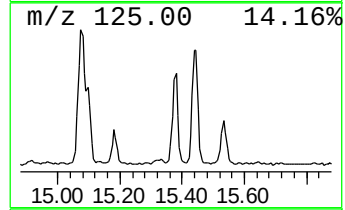
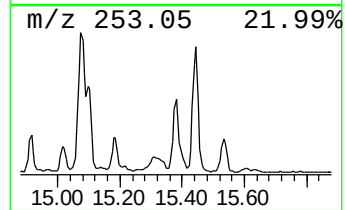
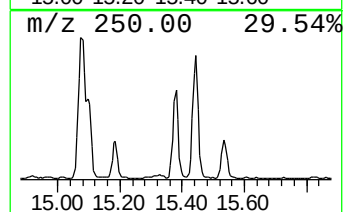
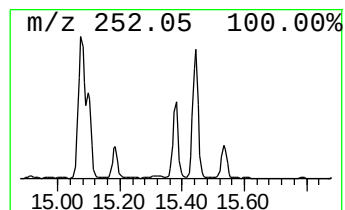
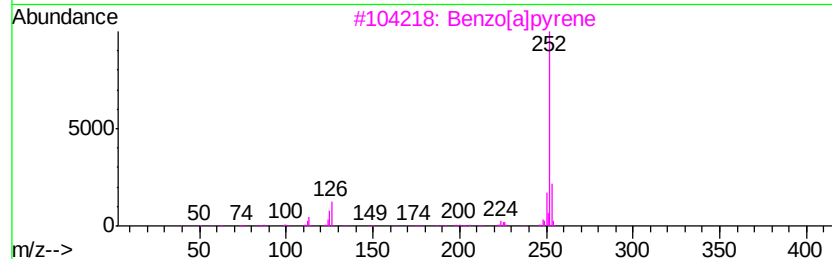
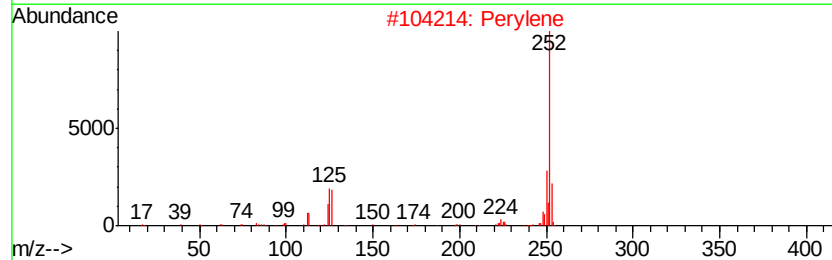
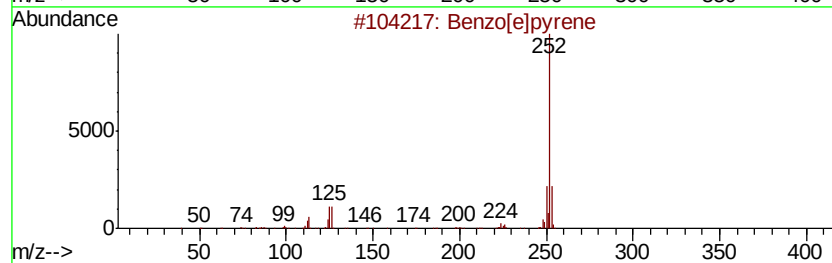
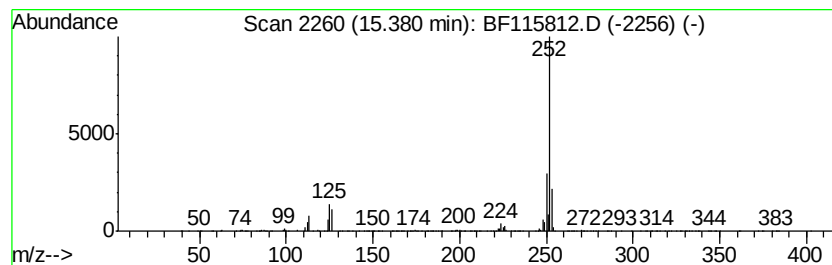
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	13.88 ng	667875	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Perylene	252	C20H12	000198-55-0	97
3			Benzo[a]pyrene	252	C20H12	000050-32-8	97
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115812.D
 Acq On : 27 Jul 2019 2:46
 Operator : HP/JU
 Sample : K3626-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.12	4.3	ng	189906	1	6.87	881102	20.0
unknown6.64	6.64	12.0	ng	528202	1	6.87	881102	20.0
unknown9.63	9.63	3.3	ng	196299	3	9.90	1184070	20.0
Hexadecane	10.33	4.6	ng	270697	3	9.90	1184070	20.0
Decane, 2-methyl-	10.56	3.4	ng	201588	3	9.90	1184070	20.0
Tetradecane	10.81	9.4	ng	496550	4	11.39	1060840	20.0
Sulfurous acid, 2...	11.26	5.8	ng	308121	4	11.39	1060840	20.0
unknown11.29	11.29	5.3	ng	278509	4	11.39	1060840	20.0
Heneicosane	11.68	6.6	ng	351637	4	11.39	1060840	20.0
Hexadecanoic acid...	11.78	9.2	ng	489207	4	11.39	1060840	20.0
Phenanthrene, 2-m...	11.92	4.2	ng	220242	4	11.39	1060840	20.0
4H-Cyclopenta[def...	12.00	8.6	ng	454283	4	11.39	1060840	20.0
Eicosane	12.09	6.1	ng	321443	4	11.39	1060840	20.0
9,12-Octadecadien...	12.47	27.2	ng	1444330	4	11.39	1060840	20.0
9-Octadecenoic ac...	12.49	40.3	ng	2137880	4	11.39	1060840	20.0
11H-Benzo[a]fluorene	13.16	3.4	ng	460682	5	14.03	2703530	20.0
1-(2-Dimethylamin...	14.92	8.6	ng	411129	6	15.50	962246	20.0
Benzo[j]fluoranthene	15.19	4.4	ng	211062	6	15.50	962246	20.0
Benzo[e]pyrene	15.38	13.9	ng	667875	6	15.50	962246	20.0