

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111328.D
 Acq On : 12 Dec 2018 18:20
 Operator : JU/SJ
 Sample : J6354-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

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-BF121218.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	2.905	120	139	147	rVB	84096	236252	3.44%	0.292%
2	3.834	287	297	303	rBV2	103039	180126	2.62%	0.223%
3	4.434	394	399	406	rBV3	88098	131908	1.92%	0.163%
4	4.999	491	495	502	rVV3	301641	407494	5.93%	0.504%
5	5.381	556	560	561	rBV	198931	211337	3.07%	0.261%
6	5.410	561	565	568	rVB	6000046	5676384	82.59%	7.022%
7	5.640	601	604	609	rVB2	190469	185007	2.69%	0.229%
8	5.710	613	616	619	rBV	155157	136970	1.99%	0.169%
9	6.051	671	674	680	rVB2	112617	130942	1.91%	0.162%
10	6.240	701	706	711	rBV4	68209	116566	1.70%	0.144%
11	6.428	730	738	744	rBV	5897471	6872806	100.00%	8.502%
12	6.563	756	761	764	rBV	6575282	6177603	89.88%	7.642%
13	6.622	768	771	772	rVV	215785	185207	2.69%	0.229%
14	6.640	772	774	777	rVB	205868	151506	2.20%	0.187%
15	6.793	796	800	802	rBV	1864899	1629606	23.71%	2.016%
16	6.816	802	804	808	rVB2	151856	129544	1.88%	0.160%
17	6.851	808	810	816	rBV3	136852	129878	1.89%	0.161%
18	6.951	822	827	830	rBV	5095439	4853509	70.62%	6.004%
19	7.193	864	868	871	rBV2	121187	124484	1.81%	0.154%
20	7.351	886	895	898	rBV	4327516	4165245	60.60%	5.152%
21	7.398	900	903	906	rVV	334239	263303	3.83%	0.326%
22	8.075	1013	1018	1020	rBV	2642947	2651266	38.58%	3.280%
23	8.092	1020	1021	1025	rVV	1496153	962092	14.00%	1.190%
24	8.145	1027	1030	1033	rVB	202637	165846	2.41%	0.205%
25	8.504	1086	1091	1096	rBV	299775	296105	4.31%	0.366%
26	8.675	1117	1120	1127	rBV	447687	328120	4.77%	0.406%
27	8.787	1133	1139	1142	rBV	1048871	853549	12.42%	1.056%
28	8.887	1152	1156	1159	rVB	618399	558143	8.12%	0.690%
29	8.987	1166	1173	1177	rBV4	66509	122667	1.78%	0.152%
30	9.104	1190	1193	1196	rBV	208464	178727	2.60%	0.221%
31	9.151	1196	1201	1204	rBV	7877005	6588224	95.86%	8.150%
32	9.239	1212	1216	1221	rVB2	535342	563460	8.20%	0.697%
33	9.345	1232	1234	1239	rVB	123442	142476	2.07%	0.176%
34	9.410	1241	1245	1250	rVB	242682	333134	4.85%	0.412%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111328.D
 Acq On : 12 Dec 2018 18:20
 Operator : JU/SJ
 Sample : J6354-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

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-BF121218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.486	1255	1258	1260	rBV	476836	405296	5.90%	0.501%
36	9.510	1260	1262	1265	rVB	334854	279090	4.06%	0.345%
37	9.539	1265	1267	1269	rBV	532731	409881	5.96%	0.507%
38	9.563	1269	1271	1273	rVB	322927	216194	3.15%	0.267%
39	9.604	1276	1278	1279	rBV	224176	158374	2.30%	0.196%
40	9.686	1287	1292	1296	rVB2	173834	152203	2.21%	0.188%
41	9.769	1304	1306	1310	rVB	500119	355016	5.17%	0.439%
42	9.828	1310	1316	1319	rBV	2658536	2397082	34.88%	2.965%
43	9.857	1319	1321	1325	rVB	627769	527879	7.68%	0.653%
44	9.934	1330	1334	1338	rBV	82467	124275	1.81%	0.154%
45	10.028	1347	1350	1354	rBV	578198	485375	7.06%	0.600%
46	10.233	1381	1385	1389	rBV2	182899	288538	4.20%	0.357%
47	10.269	1389	1391	1394	rVB	539674	377581	5.49%	0.467%
48	10.322	1394	1400	1403	rBV4	85011	136358	1.98%	0.169%
49	10.369	1405	1408	1411	rVV	602696	534721	7.78%	0.661%
50	10.486	1425	1428	1433	rVV	222543	275500	4.01%	0.341%
51	10.528	1433	1435	1440	rVB	200671	211856	3.08%	0.262%
52	10.610	1445	1449	1454	rBV	2931121	2705209	39.36%	3.346%
53	10.739	1468	1471	1472	rBV	955618	748199	10.89%	0.926%
54	10.757	1472	1474	1478	rVB	855565	712228	10.36%	0.881%
55	10.798	1478	1481	1483	rBV2	106654	111574	1.62%	0.138%
56	11.057	1521	1525	1531	rVB5	138217	202307	2.94%	0.250%
57	11.157	1539	1542	1544	rBV2	105031	125558	1.83%	0.155%
58	11.186	1544	1547	1549	rBV	330399	242234	3.52%	0.300%
59	11.310	1564	1568	1570	rBV	1956187	1746353	25.41%	2.160%
60	11.333	1570	1572	1575	rVV	1914548	1440386	20.96%	1.782%
61	11.380	1575	1580	1583	rVB	341039	379284	5.52%	0.469%
62	11.533	1603	1606	1609	rBV	137825	122971	1.79%	0.152%
63	11.616	1616	1620	1623	rBV	419717	342908	4.99%	0.424%
64	11.810	1650	1653	1655	rBV	187639	150756	2.19%	0.186%
65	11.839	1655	1658	1662	rVV	541941	486640	7.08%	0.602%
66	11.922	1668	1672	1674	rVV	430738	446190	6.49%	0.552%
67	11.945	1674	1676	1681	rVB	181774	169881	2.47%	0.210%
68	12.022	1686	1689	1692	rBV	378643	305029	4.44%	0.377%
69	12.104	1701	1703	1705	rBV	157112	136212	1.98%	0.168%
70	12.363	1743	1747	1750	rBV	141070	148333	2.16%	0.183%
71	12.410	1750	1755	1758	rVB2	400526	380326	5.53%	0.470%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111328.D
 Acq On : 12 Dec 2018 18:20
 Operator : JU/SJ
 Sample : J6354-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

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-BF121218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.439	1758	1760	1766	rVB2	100688	129895	1.89%	0.161%
73	12.522	1770	1774	1777	rBV	1522109	1356427	19.74%	1.678%
74	12.627	1788	1792	1803	rBV3	391429	651190	9.47%	0.806%
75	12.745	1807	1812	1815	rVV2	1124817	1250074	18.19%	1.546%
76	12.780	1815	1818	1826	rVB3	335939	442359	6.44%	0.547%
77	12.898	1834	1838	1841	rBV	3783695	3650736	53.12%	4.516%
78	13.074	1866	1868	1872	rVB	208520	183647	2.67%	0.227%
79	13.139	1876	1879	1882	rVB2	444329	387357	5.64%	0.479%
80	13.180	1882	1886	1888	rBV2	121960	121089	1.76%	0.150%
81	13.480	1934	1937	1940	rBV	319392	258669	3.76%	0.320%
82	13.580	1951	1954	1960	rVB	94690	142257	2.07%	0.176%
83	13.692	1969	1973	1976	rBV3	108015	155457	2.26%	0.192%
84	13.810	1987	1993	2000	rVB3	503758	649020	9.44%	0.803%
85	13.945	2011	2016	2019	rBV2	1513277	1768948	25.74%	2.188%
86	13.969	2019	2020	2023	rVB	407145	247964	3.61%	0.307%
87	14.127	2044	2047	2050	rVB	330774	304445	4.43%	0.377%
88	14.433	2096	2099	2101	rBV	344165	312452	4.55%	0.387%
89	14.733	2147	2150	2158	rVB	259347	282257	4.11%	0.349%
90	14.968	2187	2190	2200	rVB	345814	674829	9.82%	0.835%
91	15.063	2203	2206	2211	rVB2	277868	331782	4.83%	0.410%
92	15.263	2237	2240	2245	rVB	177826	218653	3.18%	0.270%
93	15.321	2246	2250	2254	rVB2	162486	201830	2.94%	0.250%
94	15.380	2256	2260	2265	rVV	804796	1064627	15.49%	1.317%
95	15.433	2267	2269	2276	rVB	198375	225576	3.28%	0.279%
96	15.857	2337	2341	2345	rVB	225481	303049	4.41%	0.375%
97	16.068	2373	2377	2382	rBV3	259305	461875	6.72%	0.571%
98	16.310	2414	2418	2421	rBV4	130110	189722	2.76%	0.235%
99	16.739	2487	2491	2496	rVB2	192600	301405	4.39%	0.373%
100	16.851	2507	2510	2516	rVB3	183956	296240	4.31%	0.366%

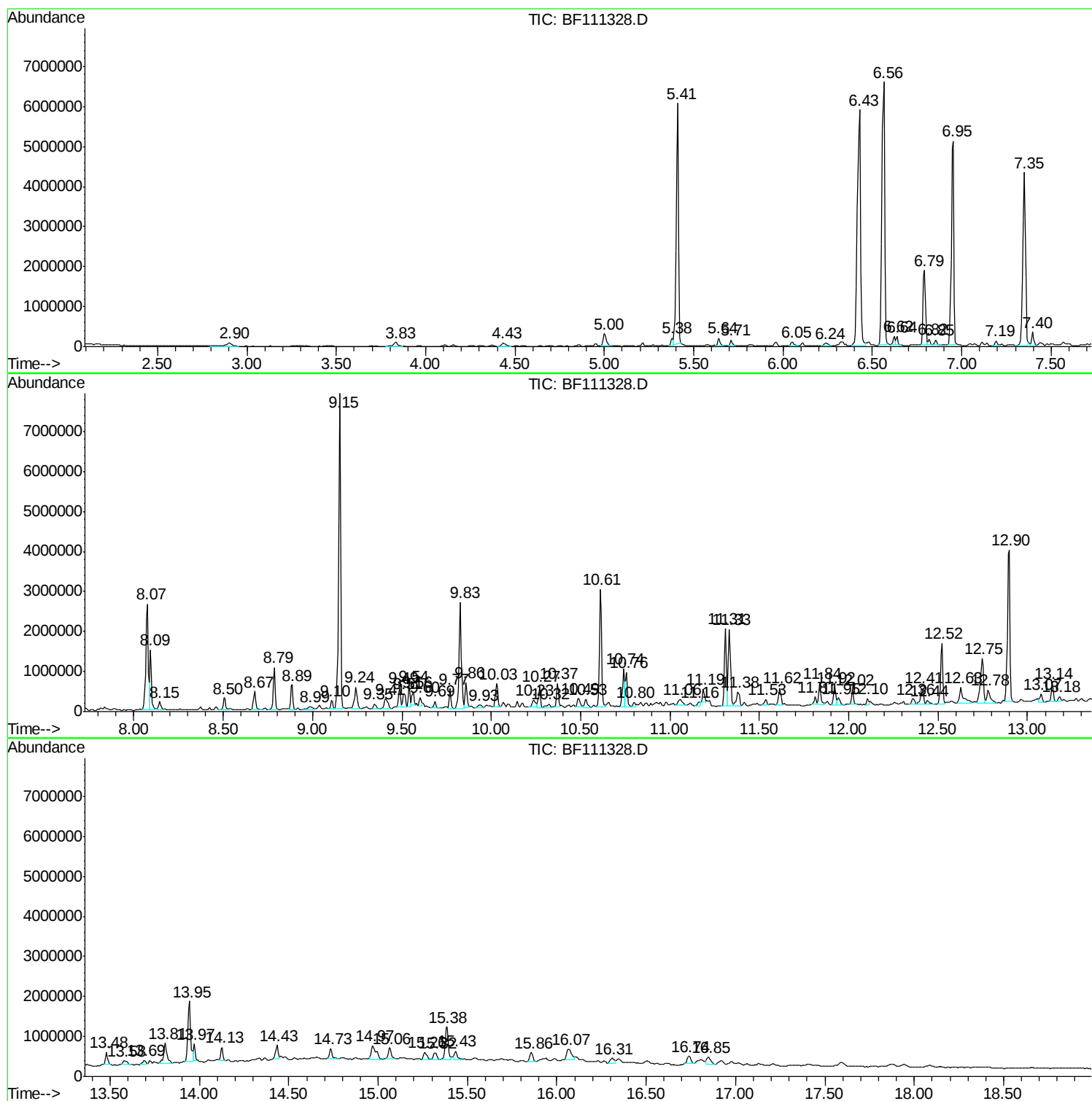
Sum of corrected areas: 80841114

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.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\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

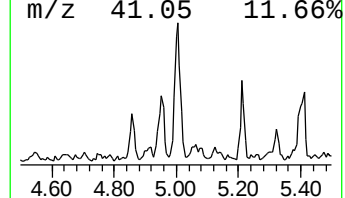
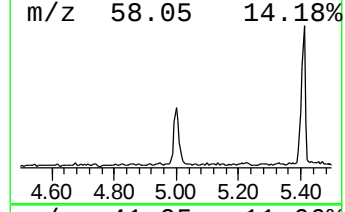
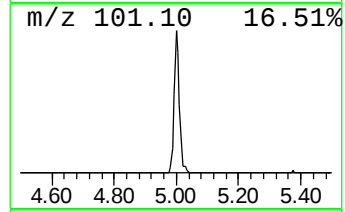
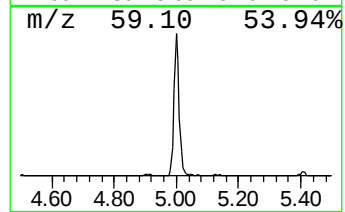
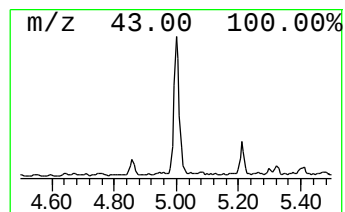
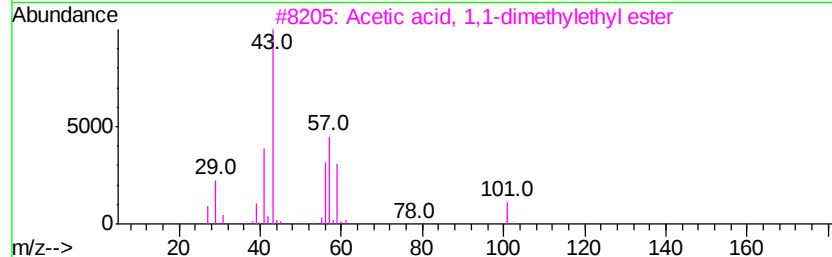
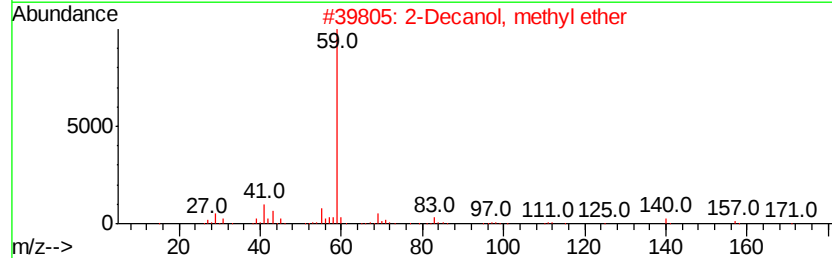
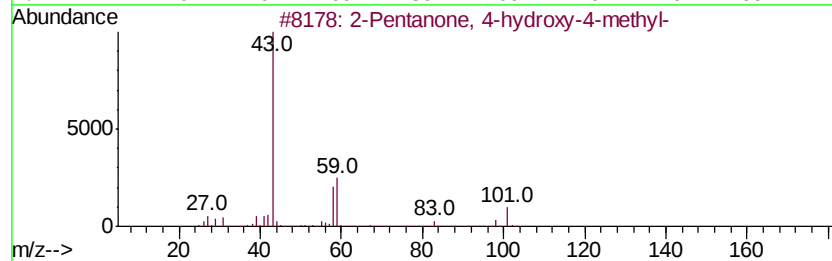
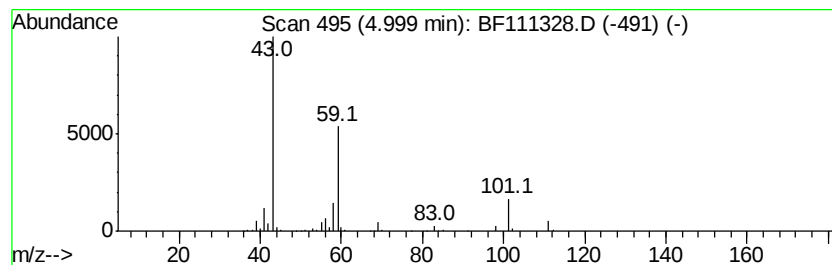
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	5.00 ng	407494	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2			2-Decanol, methyl ether	172	C11H24O	1000333-83-9	37
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

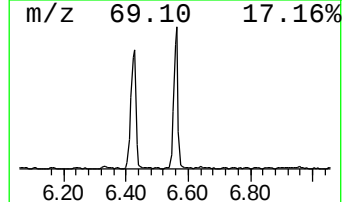
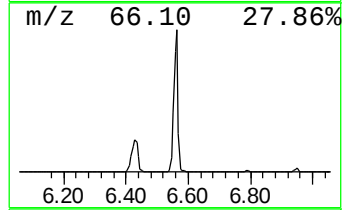
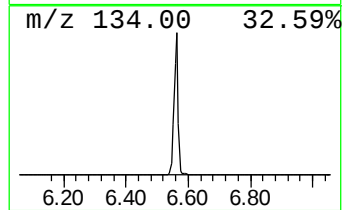
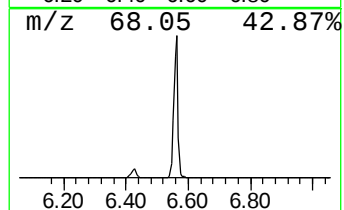
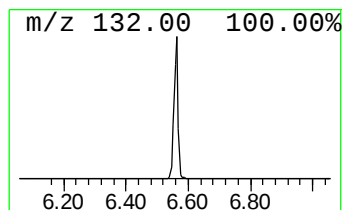
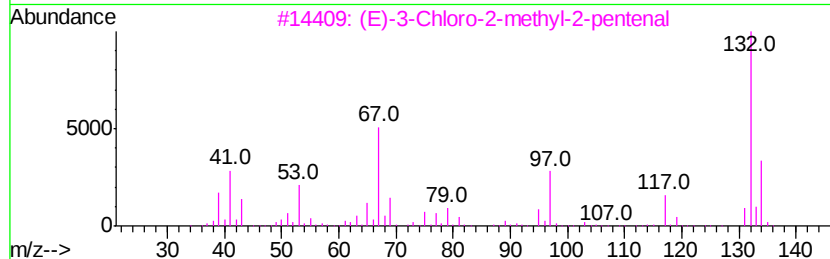
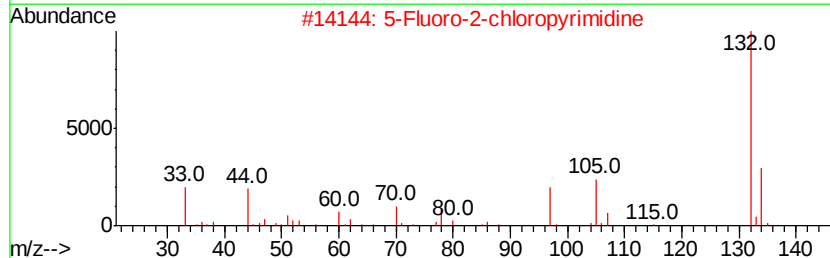
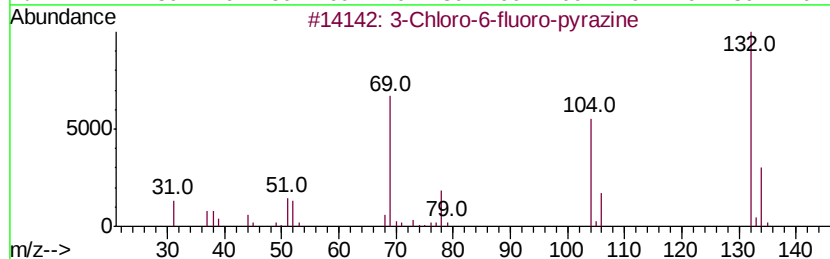
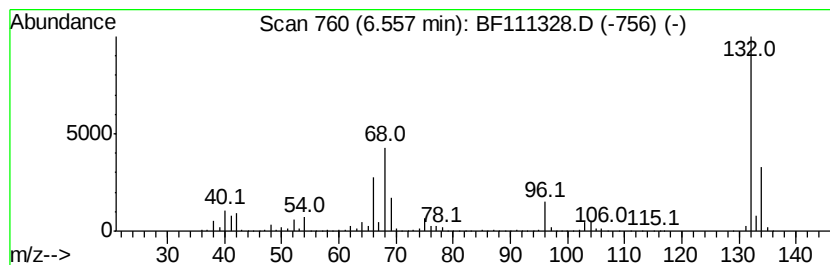
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	75.82 ng	6177600	1,4-Dichlorobenzene-d4	6.79

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		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

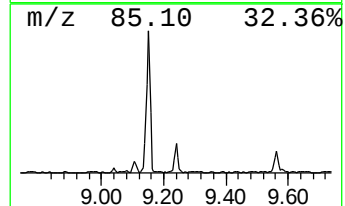
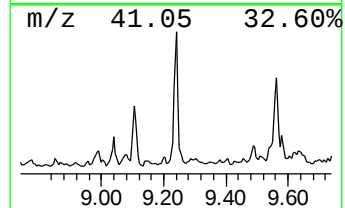
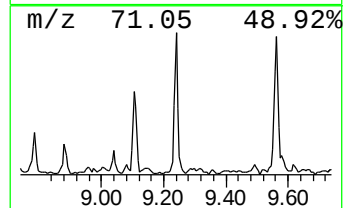
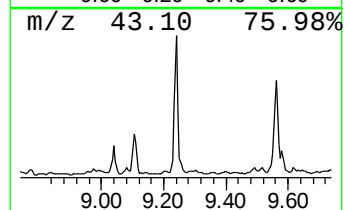
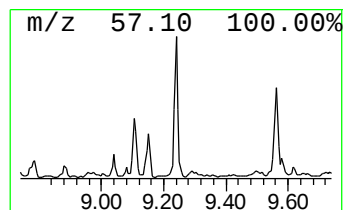
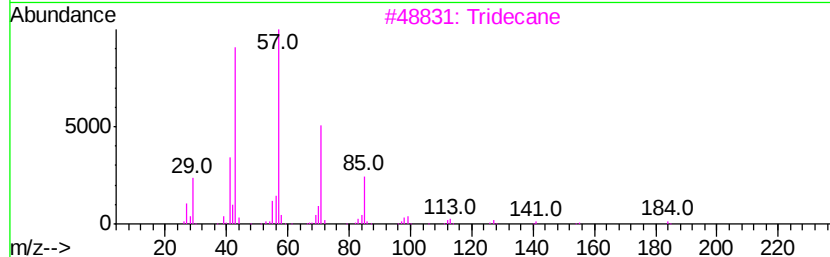
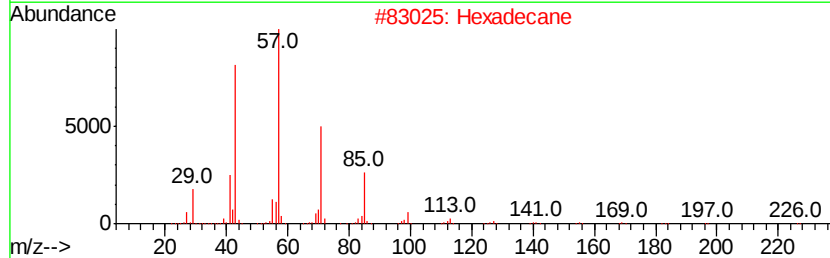
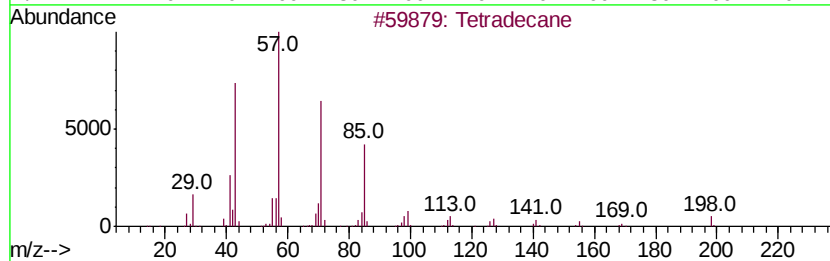
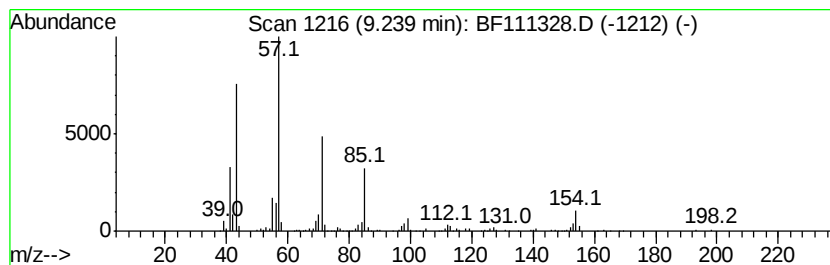
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	4.70 ng	563460	Acenaphthene-d10	9.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	93
2			Hexadecane	226	C16H34	000544-76-3	87
3			Tridecane	184	C13H28	000629-50-5	78
4			Undecane	156	C11H24	001120-21-4	72
5			Tridecane, 6-methyl-	198	C14H30	013287-21-3	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

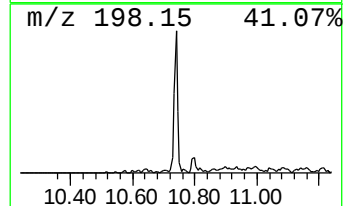
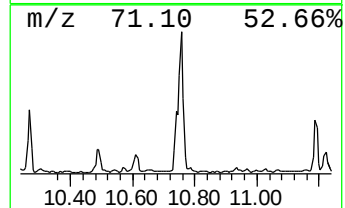
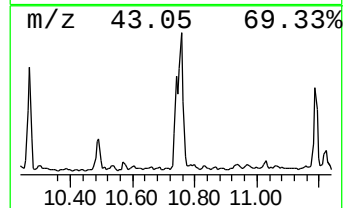
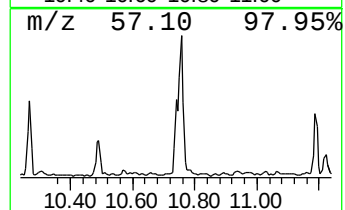
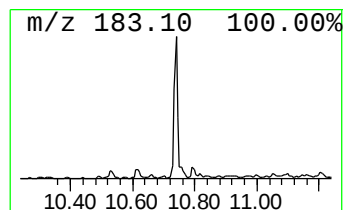
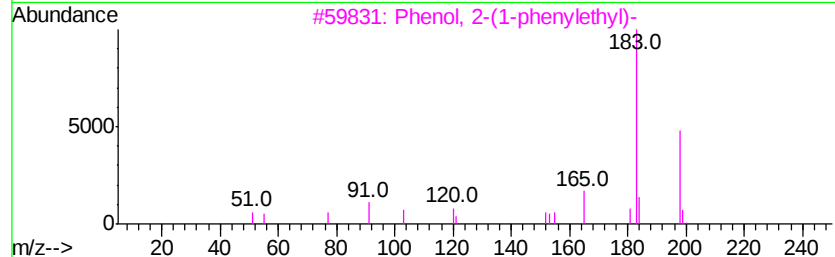
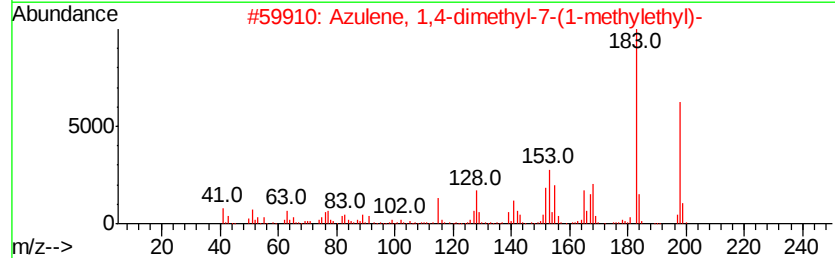
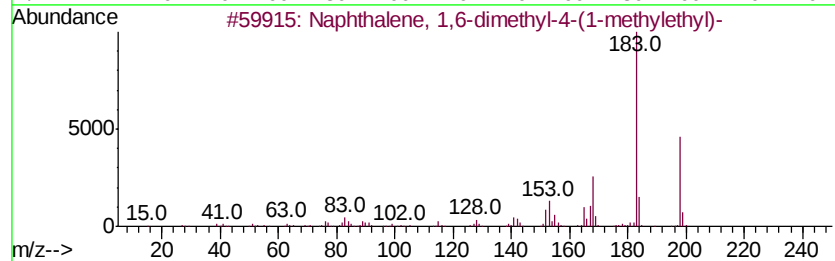
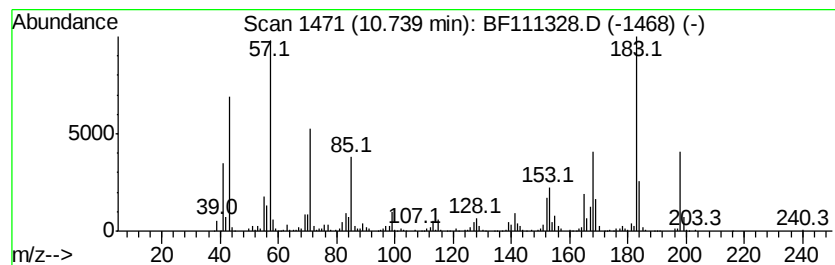
Instrument :
BNA_F
ClientSampleId :
SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,6-dimethyl-4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.74	8.57 ng	748199	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-4-(1-methyl-2-phenylethyl)-	198	C15H18	000483-78-3	91
2	Azulene, 1,4-dimethyl-7-(1-methyl-2-phenylethyl)-	198	C15H18	000489-84-9	83
3	Phenol, 2-(1-phenylethyl)-	198	C14H14O	004237-44-9	43
4	Tetradecane	198	C14H30	000629-59-4	22
5	1,2-Cyclohexanedicarboxylic acid	258	C12H20O4	1000340-02-3	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

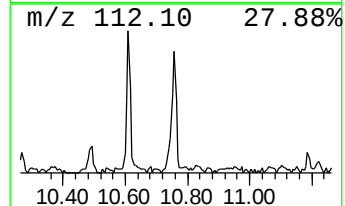
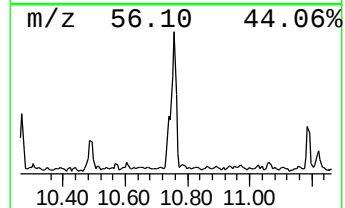
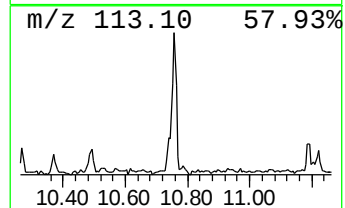
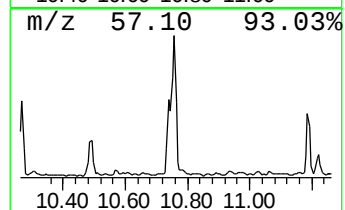
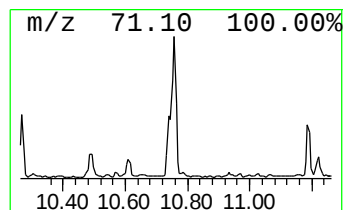
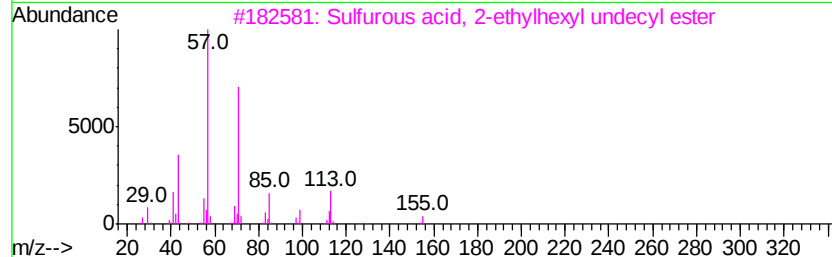
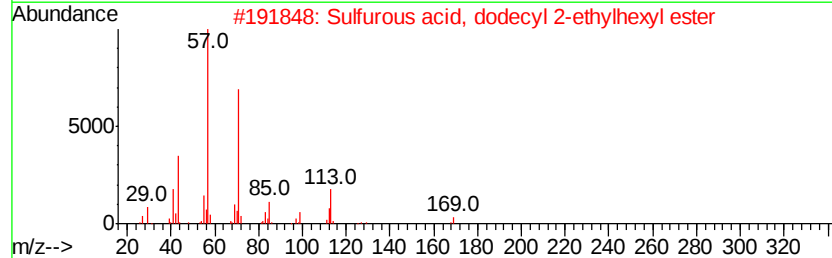
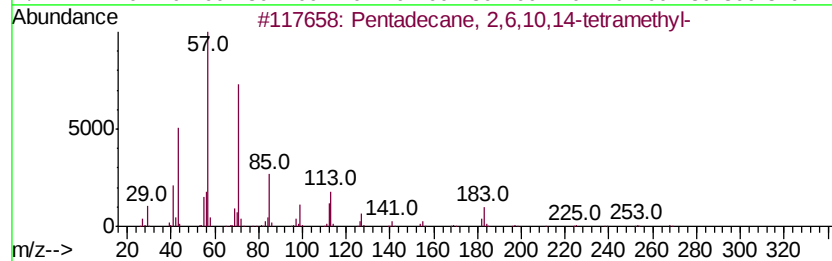
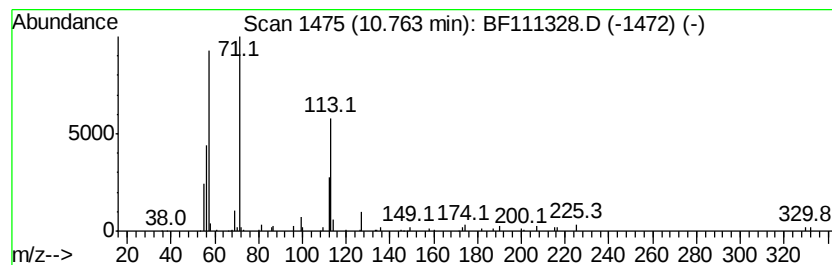
Instrument :
BNA_F
ClientSampleId :
SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.76	8.16 ng	712228	Phenanthrene-d10	11.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	80
3		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
5		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

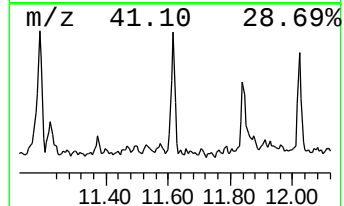
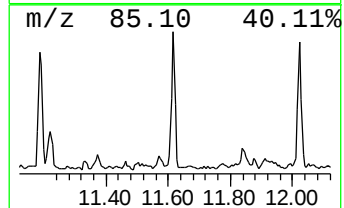
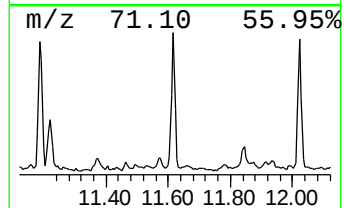
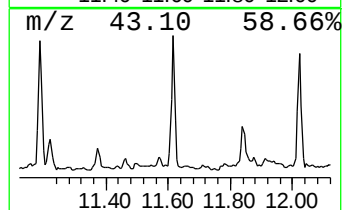
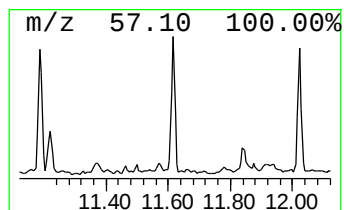
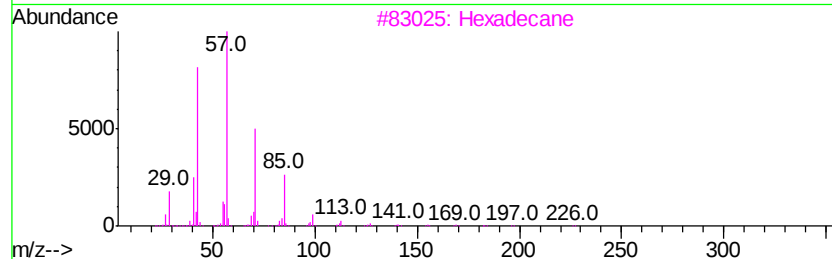
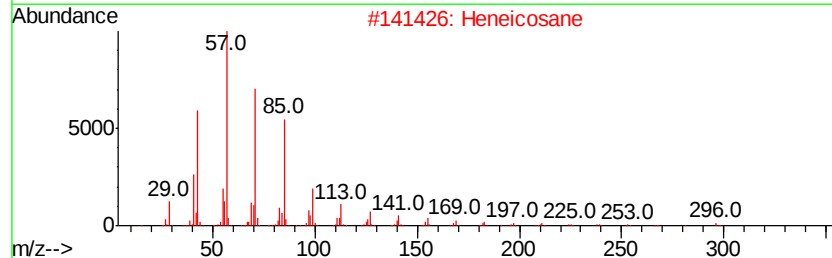
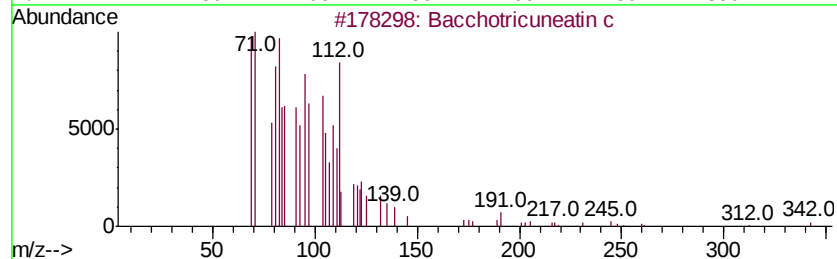
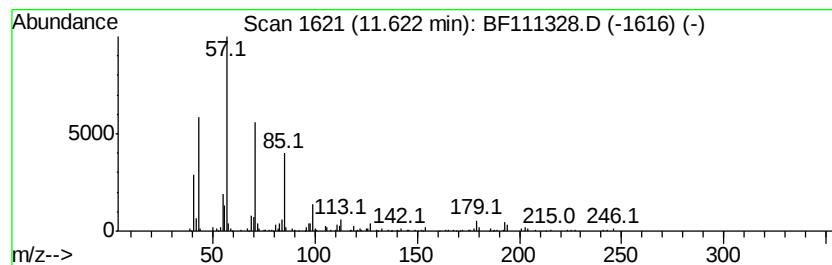
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Bacchotricuneatin c Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.93 ng	342908	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2		Heneicosane	296	C21H44	000629-94-7	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Heptacosane	380	C27H56	000593-49-7	86
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

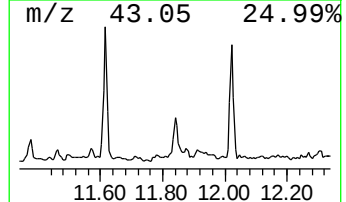
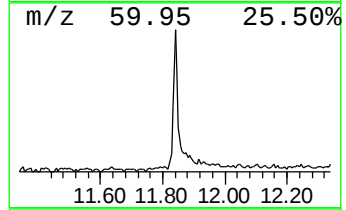
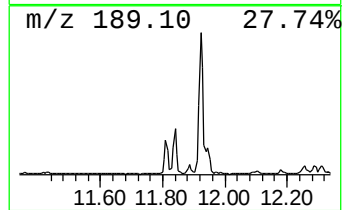
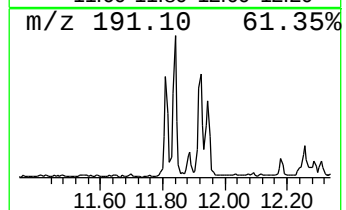
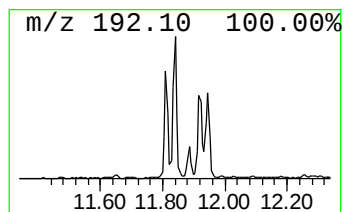
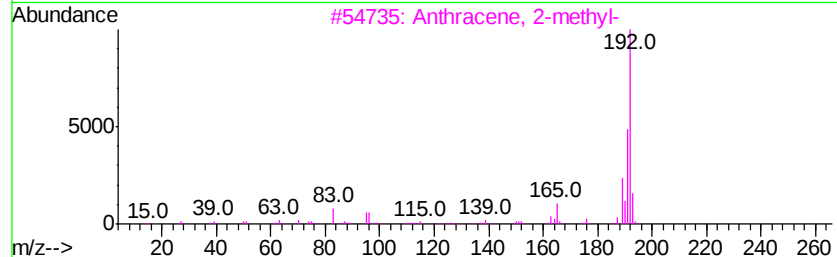
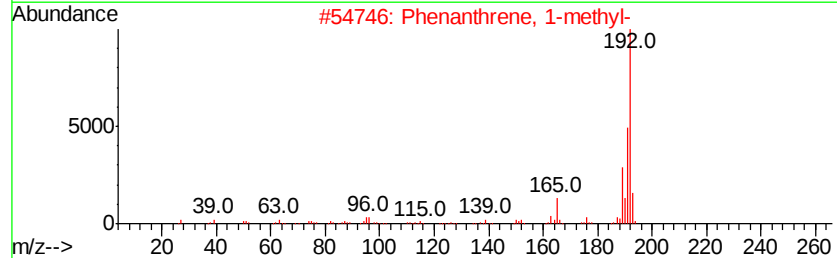
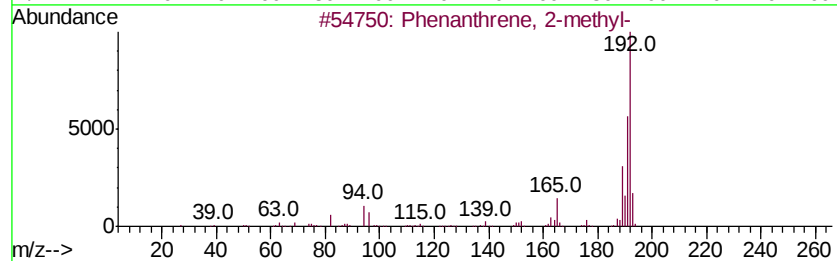
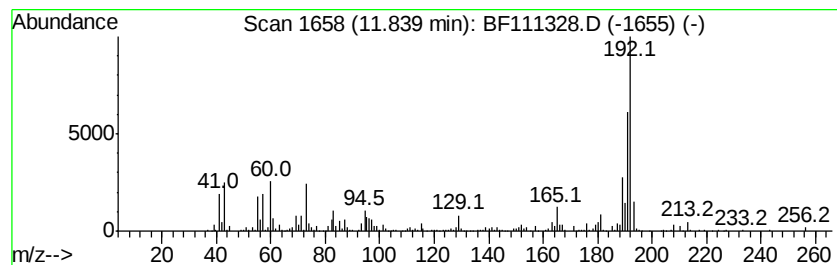
Instrument :
BNA_F
ClientSampleId :
SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	5.57 ng	486640	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

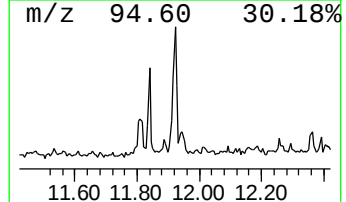
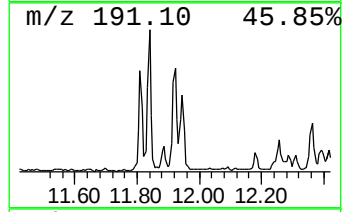
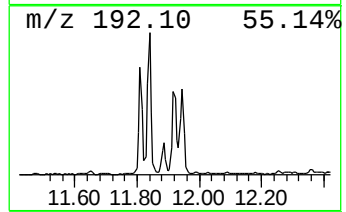
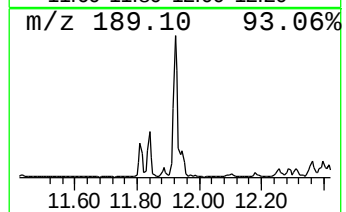
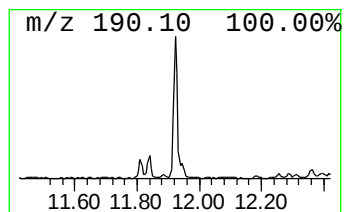
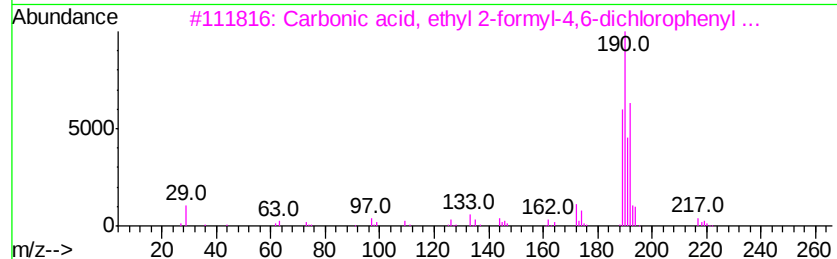
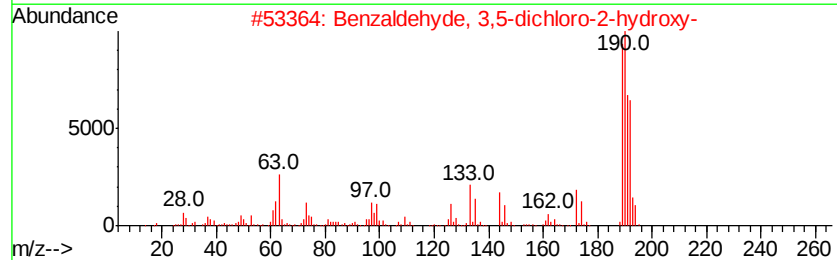
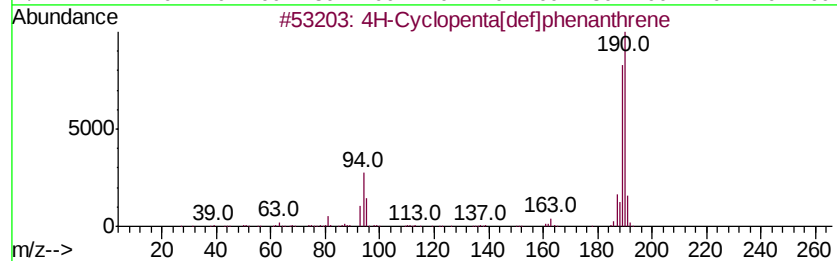
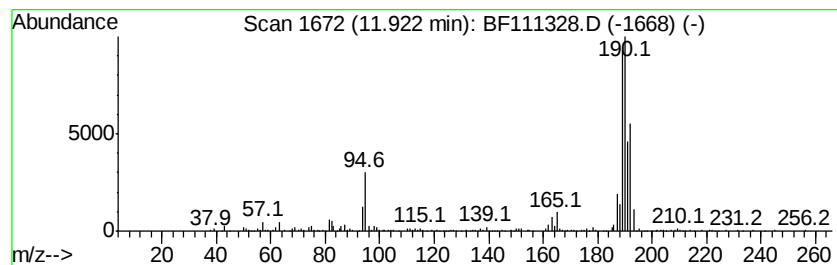
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.11 ng	446190	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

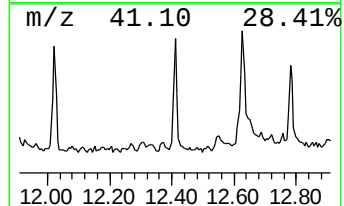
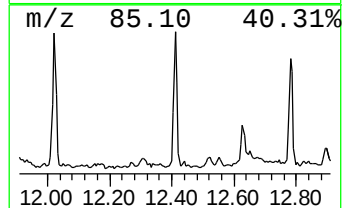
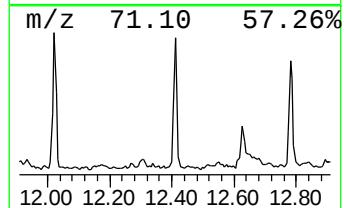
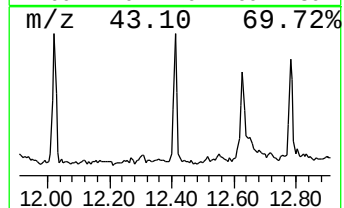
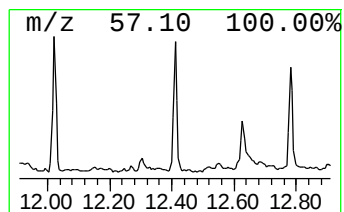
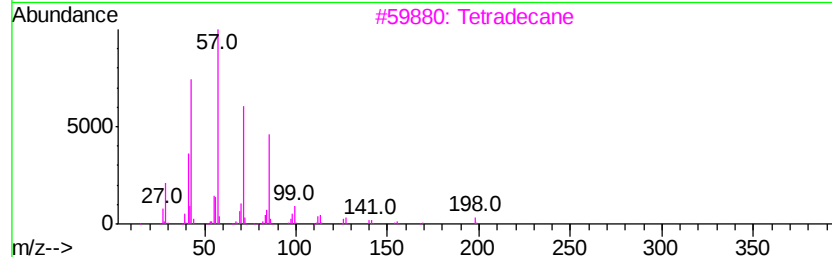
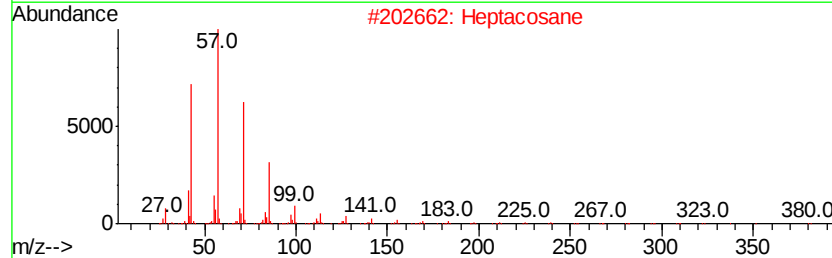
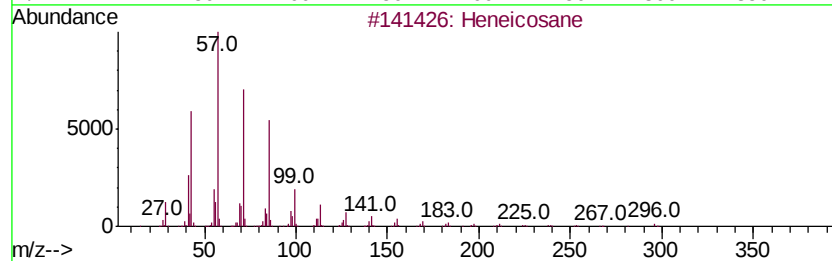
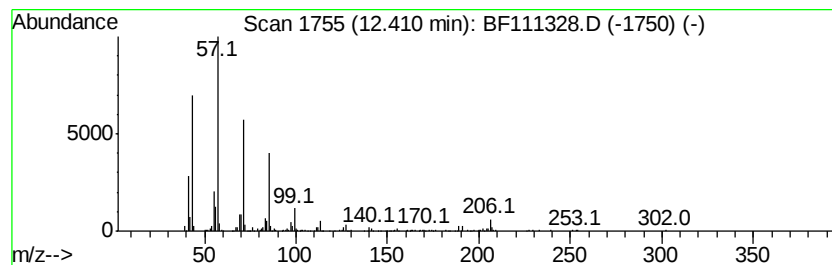
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.36 ng	380326	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	90
2		Heptacosane	380	C27H56	000593-49-7	87
3		Tetradecane	198	C14H30	000629-59-4	86
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

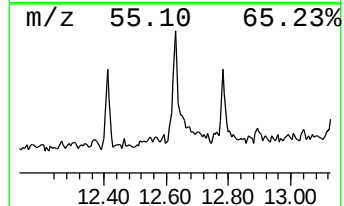
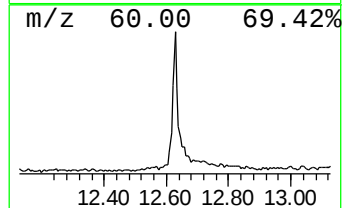
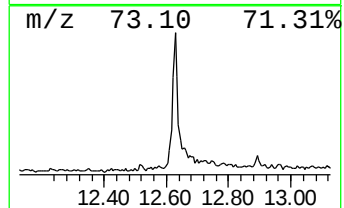
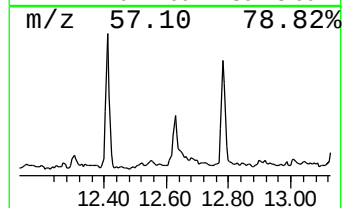
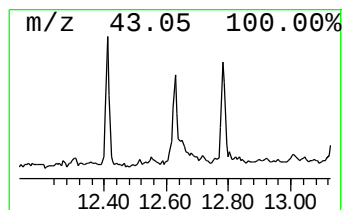
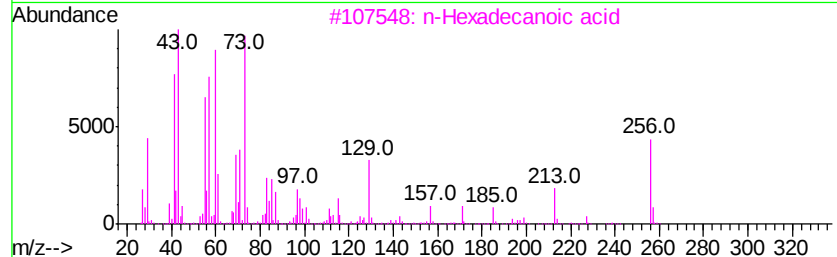
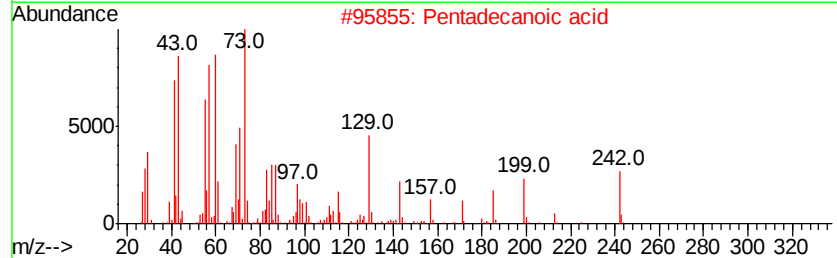
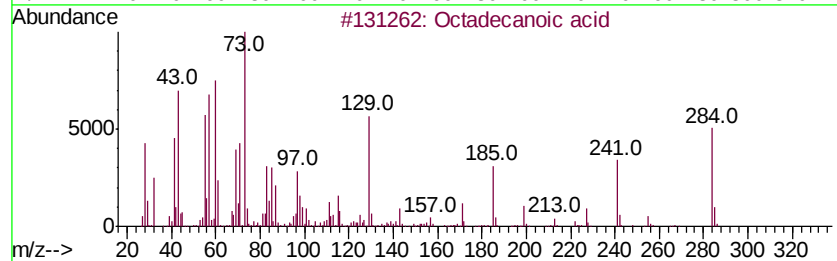
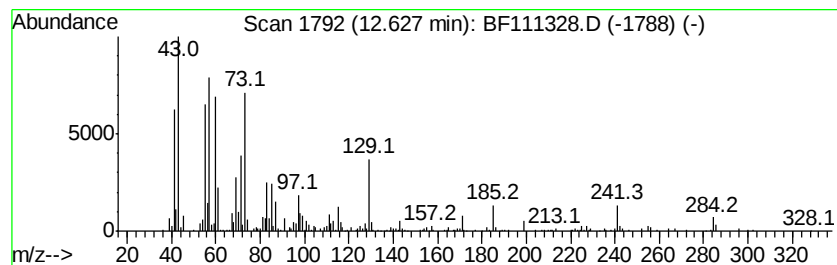
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	7.46 ng	651190	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
4			Hexadecane	226	C16H34	000544-76-3	35
5			Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

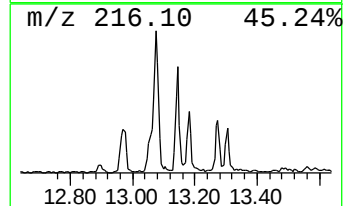
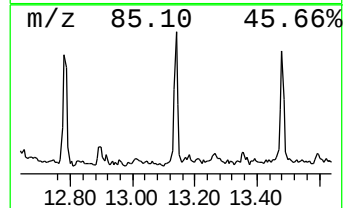
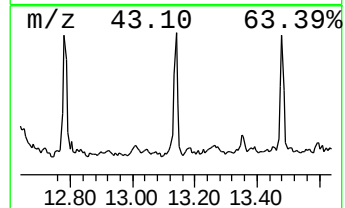
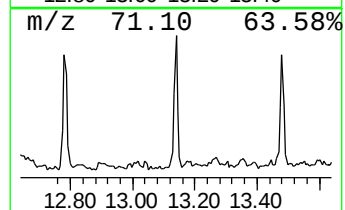
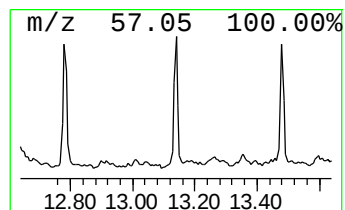
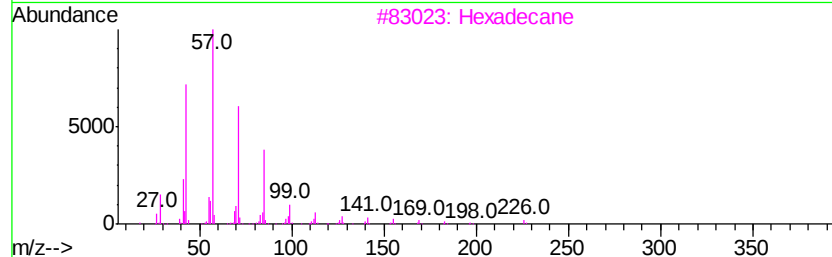
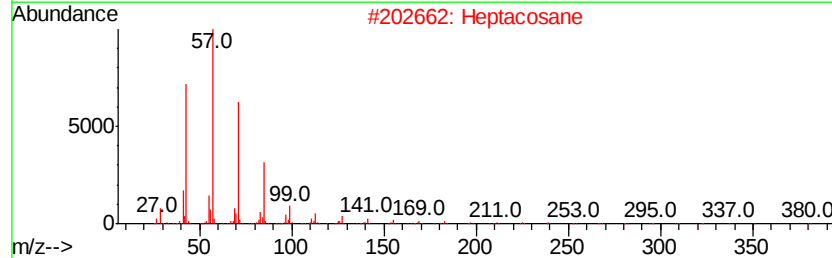
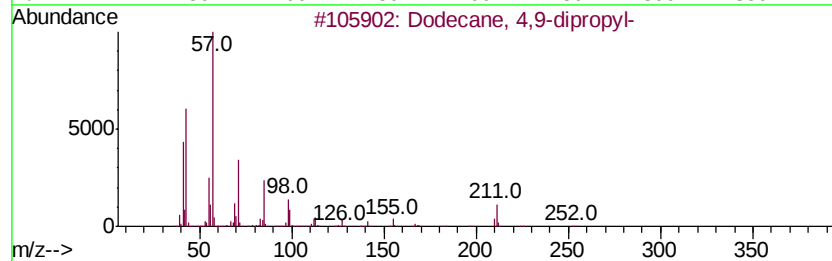
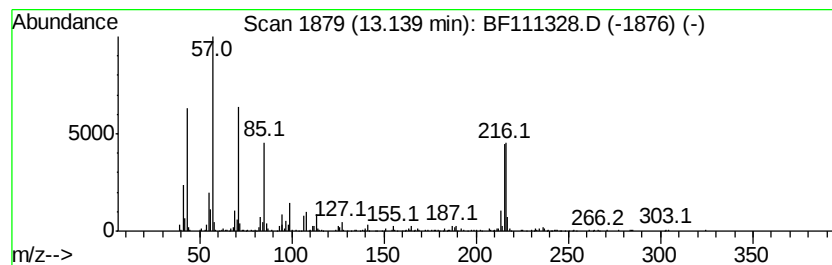
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown13.14 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	4.38 ng	387357	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	45
2		Heptacosane	380	C27H56	000593-49-7	45
3		Hexadecane	226	C16H34	000544-76-3	43
4		Tetracosane	338	C24H50	000646-31-1	43
5		Heptadecane, 2-methyl-	254	C18H38	001560-89-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

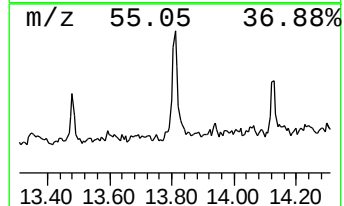
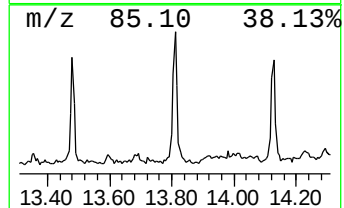
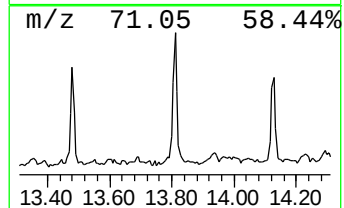
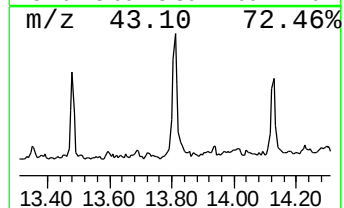
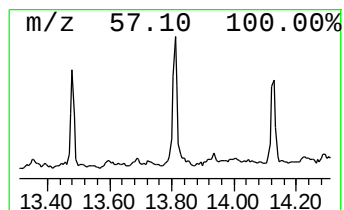
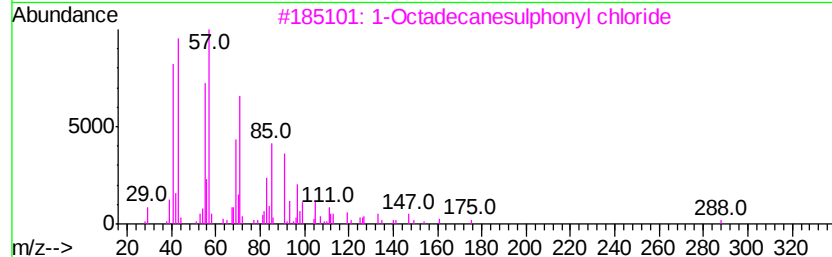
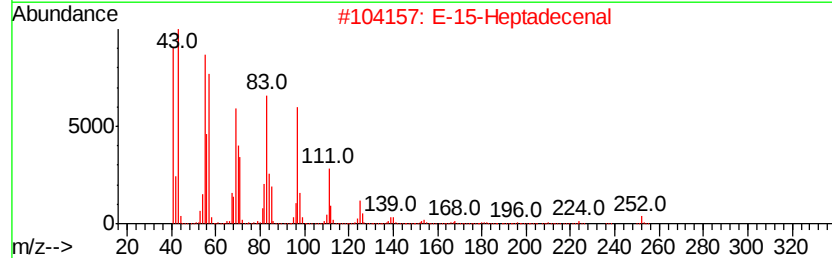
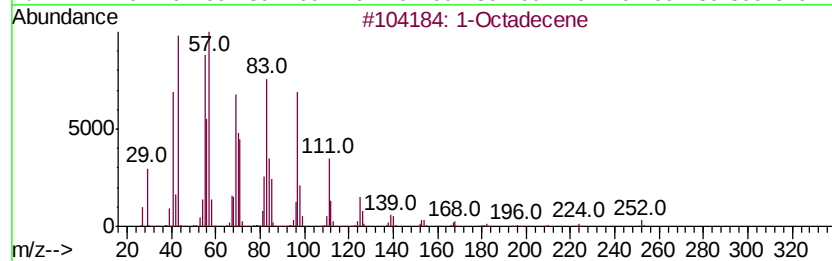
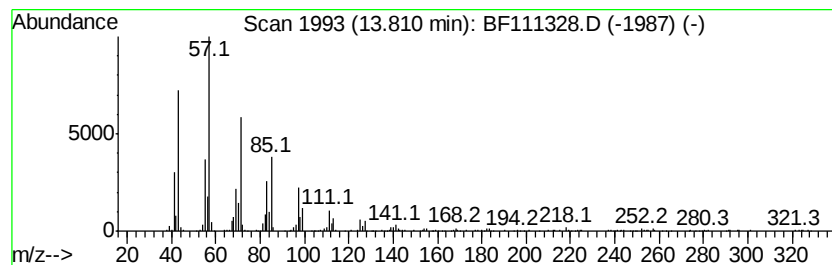
Instrument :
BNA_F
ClientSampleId :
SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Octadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.81	7.34 ng	649020	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	95
2	E-15-Heptadecenal	252	C17H32O	1000130-97-9	95
3	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
4	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	91
5	1-Heptadecene	238	C17H34	006765-39-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

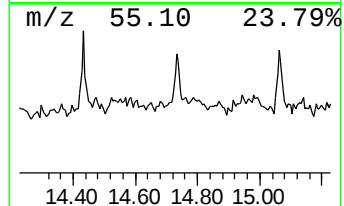
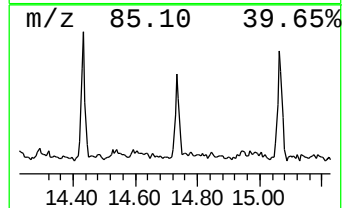
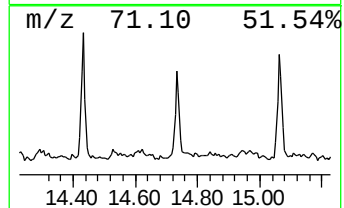
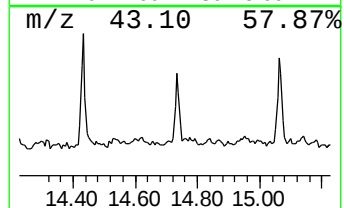
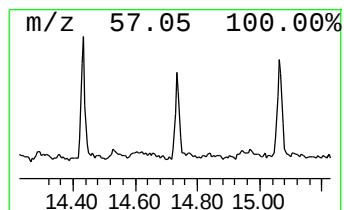
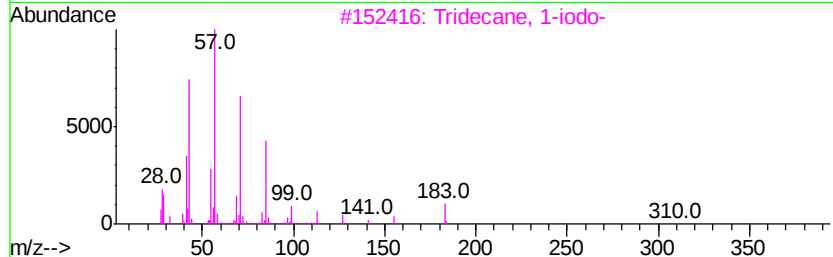
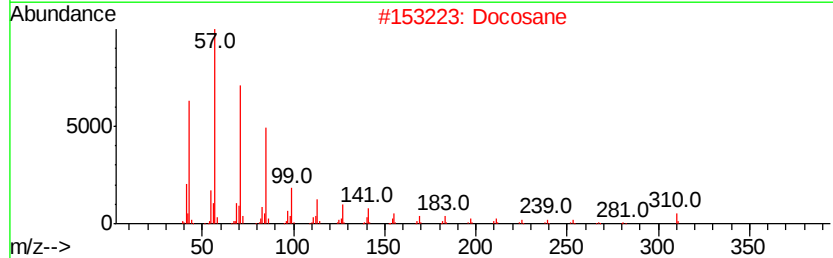
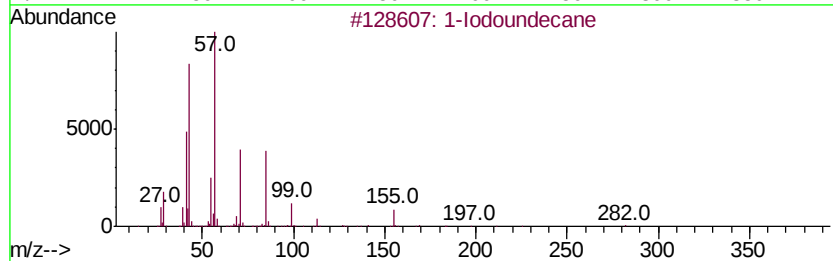
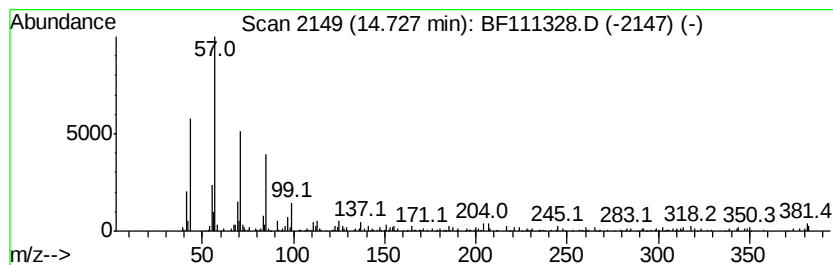
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Iodoundecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	5.30 ng	282257	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Iodoundecane	282	C11H23I	004282-44-4	87
2			Docosane	310	C22H46	000629-97-0	87
3			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
4			Tetracosane	338	C24H50	000646-31-1	80
5			Decane, 3-methyl-	156	C11H24	013151-34-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

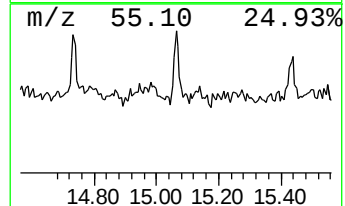
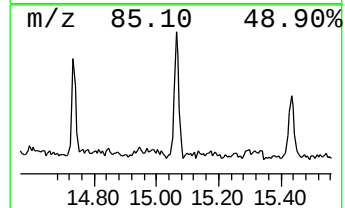
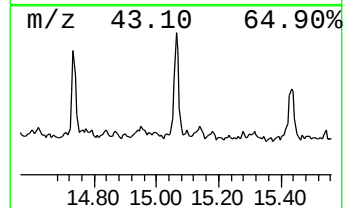
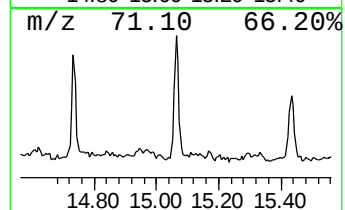
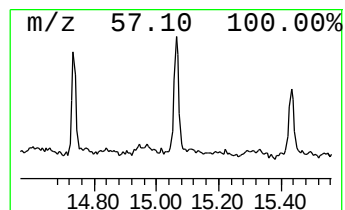
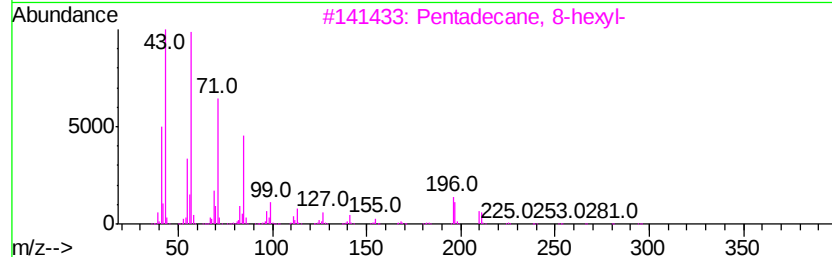
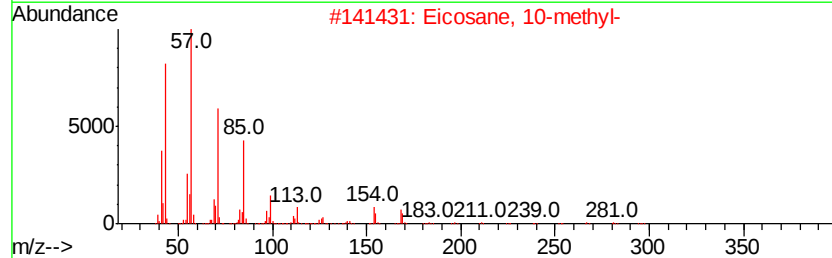
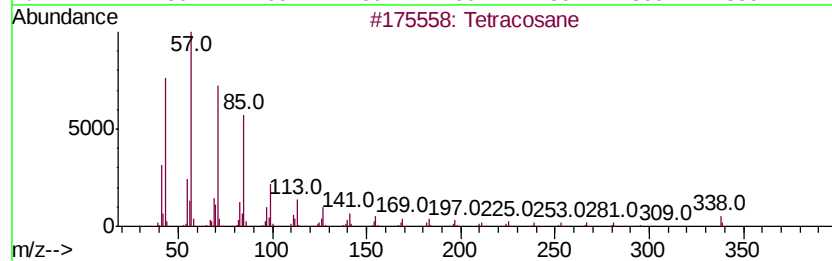
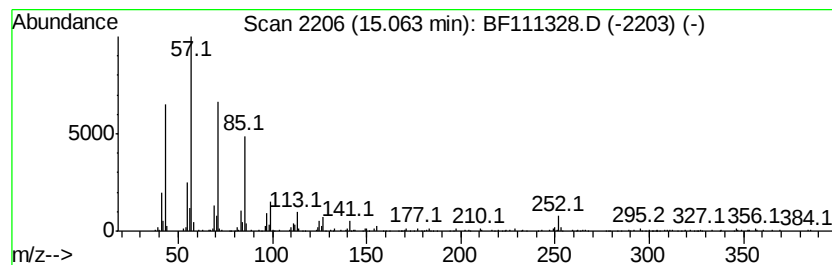
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	6.23 ng	331782	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	93
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
4		Hexacosane	366	C26H54	000630-01-3	90
5		Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

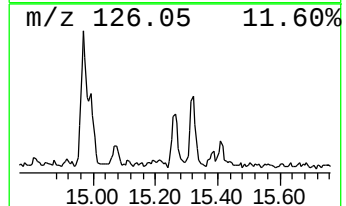
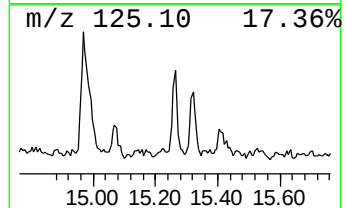
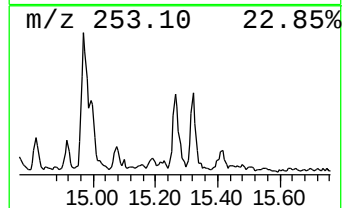
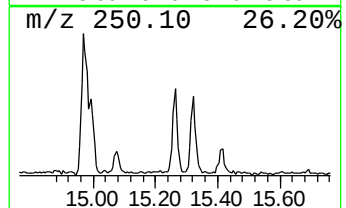
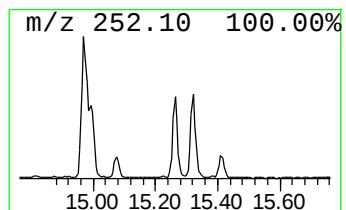
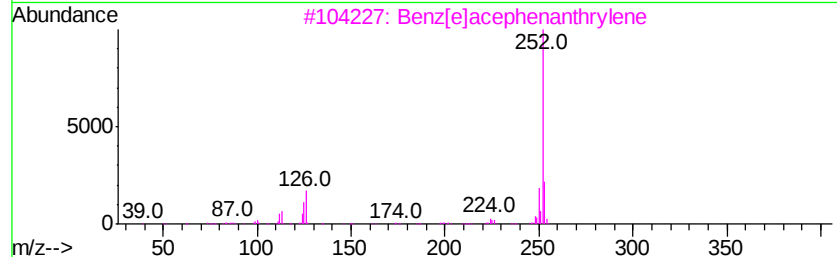
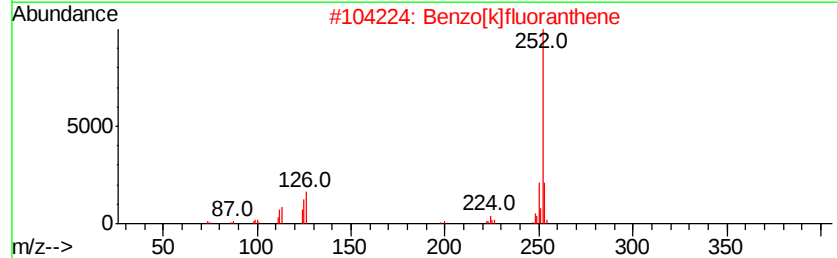
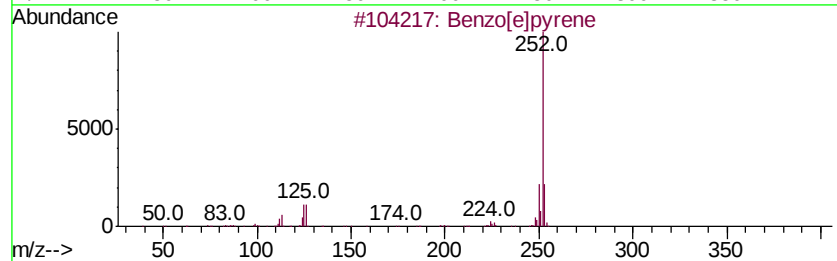
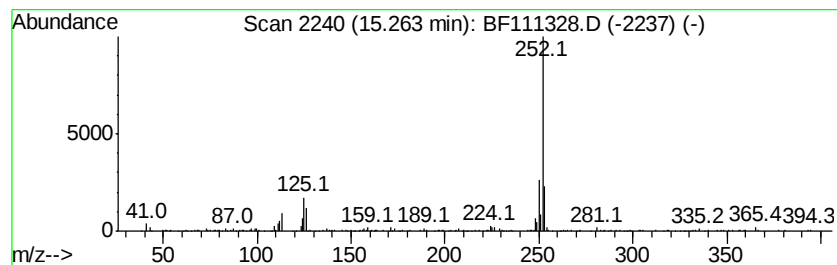
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	4.11 ng	218653	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4			Perylene	252	C20H12	000198-55-0	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

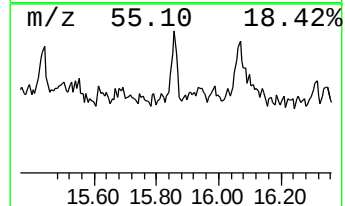
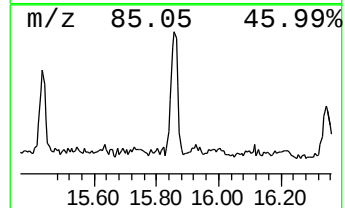
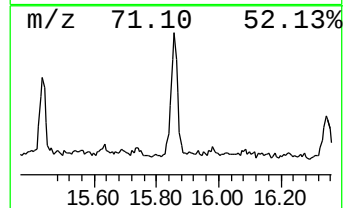
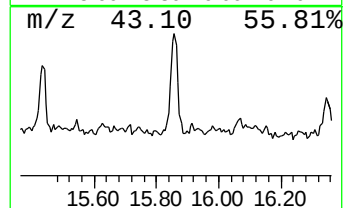
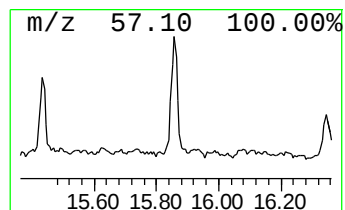
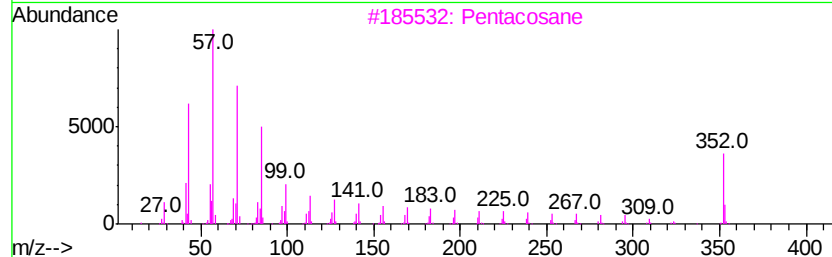
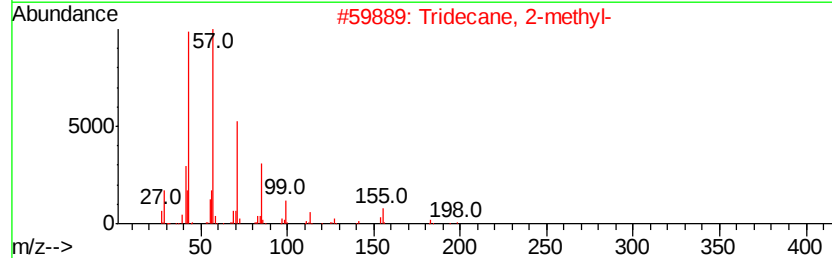
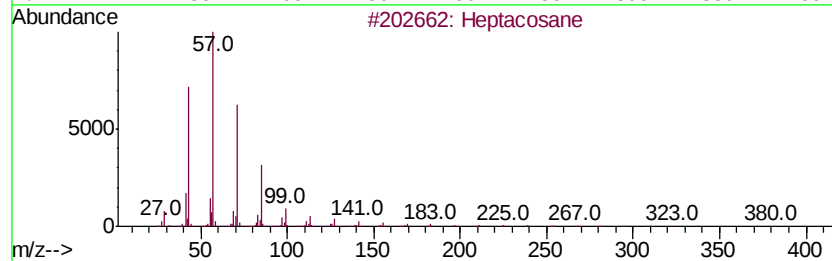
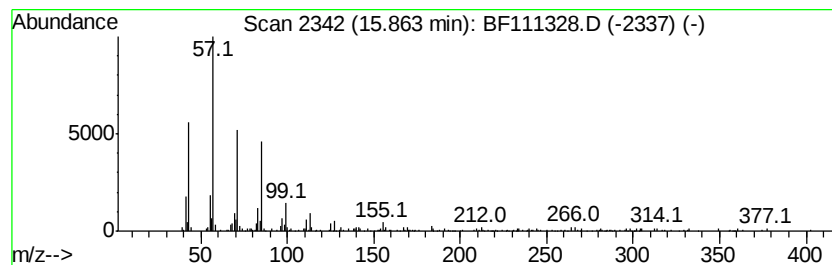
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	5.69 ng	303049	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	87
2			Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
3			Pentacosane	352	C25H52	000629-99-2	80
4			Eicosane	282	C20H42	000112-95-8	74
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SOIL

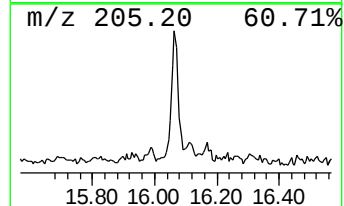
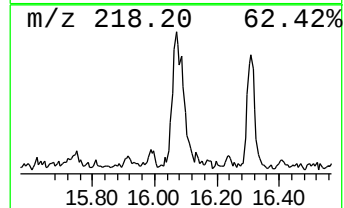
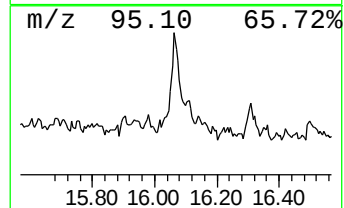
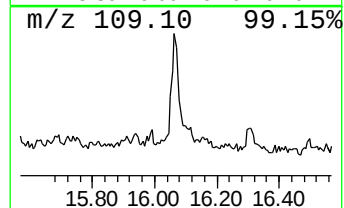
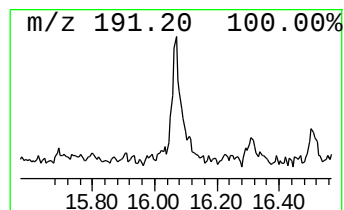
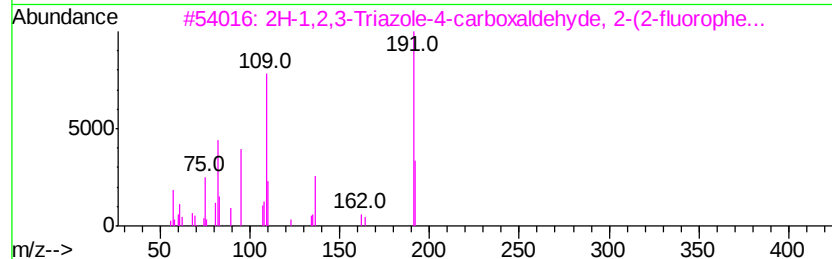
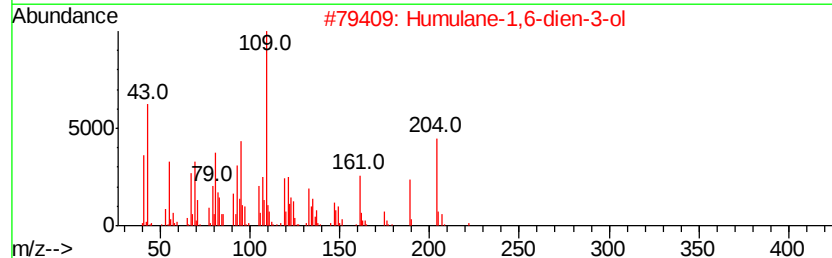
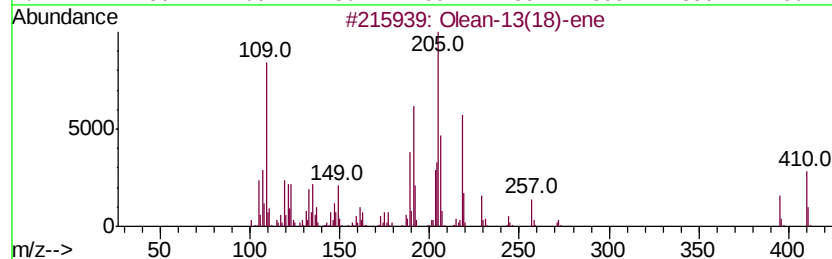
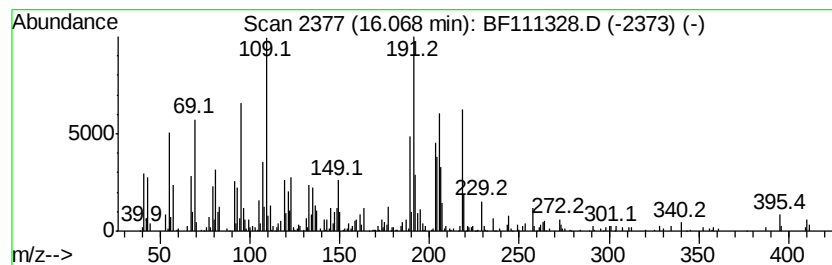
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown16.07 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	8.68 ng	461875	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Olean-13(18)-ene	410	C30H50	003399-27-7	43
2		Humulane-1,6-dien-3-ol	222	C15H26O	1000140-23-1	38
3		2H-1,2,3-Triazole-4-carboxaldehv...	191	C9H6FN3O	051306-43-5	35
4		5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	35
5		Cyclopropanemethanol, .alpha.,2-...	182	C12H22O	121959-70-4	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

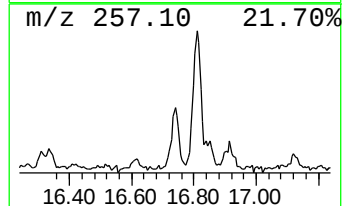
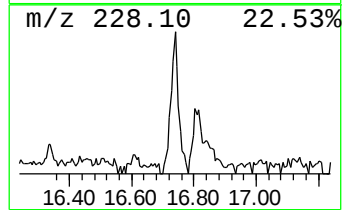
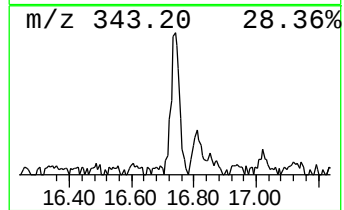
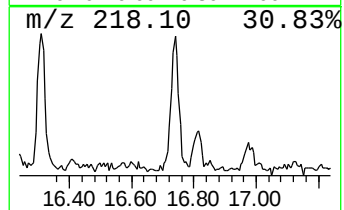
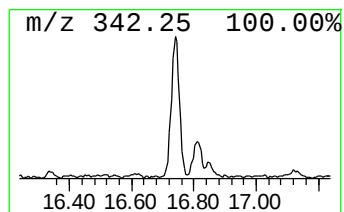
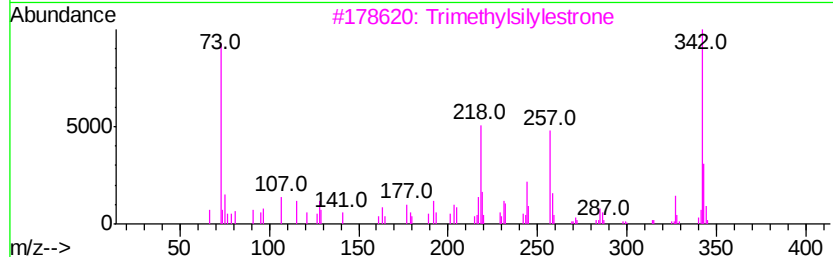
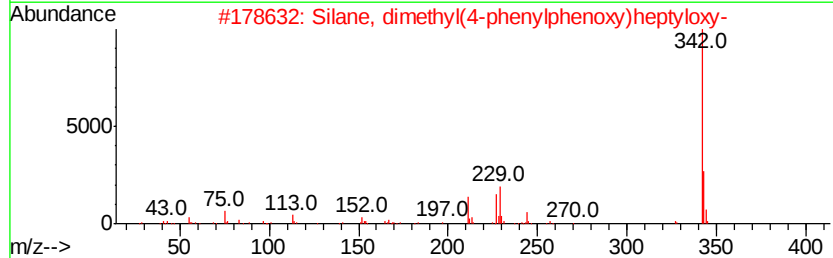
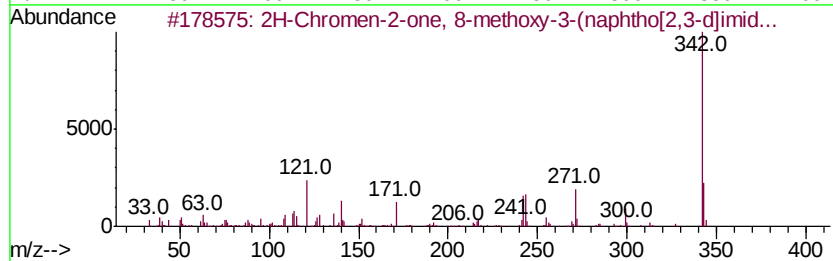
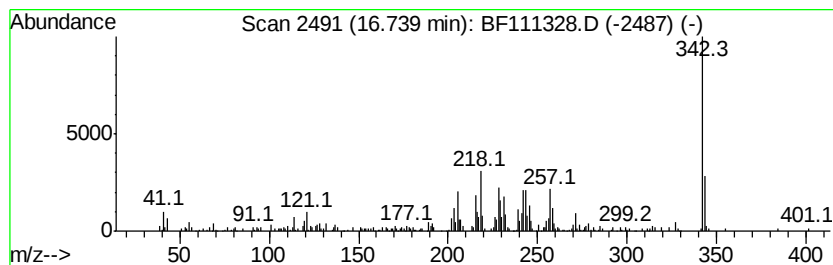
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2H-Chromen-2-one, 8-methoxy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	5.66 ng	301405	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2H-Chromen-2-one, 8-methoxy-3-(n...	342	C21H14N2O3	293763-29-8	53
2			Silane, dimethyl(4-phenylphenoxy...	342	C21H30O2Si	1000347-49-0	38
3			Trimethylsilylvestrone	342	C21H30O2Si	001839-54-9	28
4			4,6-Bis(1,1'-dimethylethyl)-2',5...	342	C22H30O3	1000326-27-3	27
5			4,6-Bis(1,1-dimethylethyl)-2,'4'...	342	C22H30O3	1000326-27-2	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111328.D
Acq On : 12 Dec 2018 18:20
Operator : JU/SJ
Sample : J6354-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

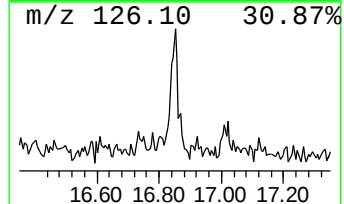
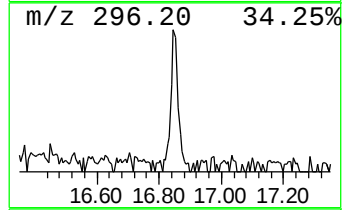
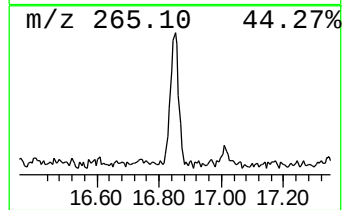
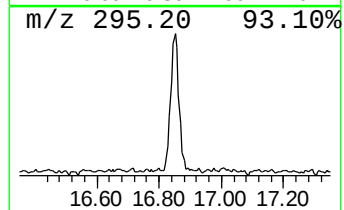
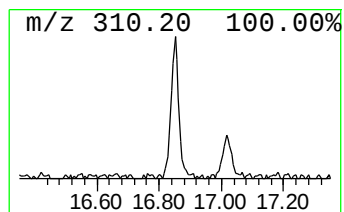
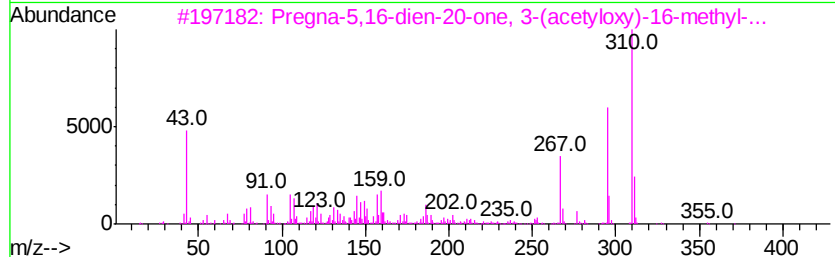
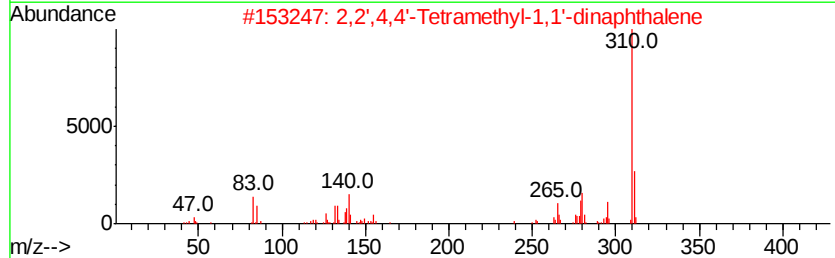
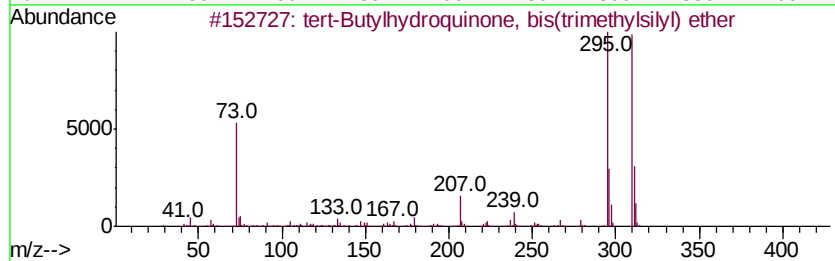
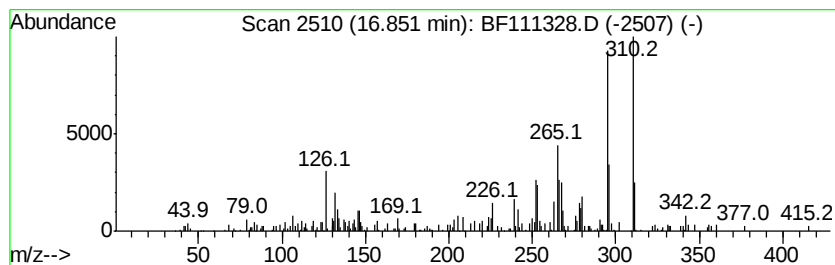
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 tert-Butylhydroquinone, bis... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	5.57 ng	296240	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			tert-Butylhydroquinone, bis(trim...	310	C16H30O2Si2	1000352-80-3	52
2			2,2',4,4'-Tetramethyl-1,1'-dinap...	310	C24H22	110871-50-6	43
3			Pregna-5,16-dien-20-one, 3-(acet...	370	C24H34O3	000982-06-9	38
4			2-Amino-5-isopropyl-6,7-dimethox...	295	C17H17N3O2	1000240-33-8	27
5			Lysergic acid di-methyl derivati...	310	C19H22N2O2	1000137-09-1	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111328.D
 Acq On : 12 Dec 2018 18:20
 Operator : JU/SJ
 Sample : J6354-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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
2-Pentanone, 4-hy...	5.00	5.0 ng		407494	1	6.79	1629610	20.0
unknown6.56	6.56	75.8 ng		6177600	1	6.79	1629610	20.0
Tetradecane	9.24	4.7 ng		563460	3	9.83	2397080	20.0
Naphthalene, 1,6-...	10.74	8.6 ng		748199	4	11.31	1746350	20.0
Pentadecane, 2,6,...	10.76	8.2 ng		712228	4	11.31	1746350	20.0
Bacchotricuneatin c	11.62	3.9 ng		342908	4	11.31	1746350	20.0
Phenanthrene, 2-m...	11.84	5.6 ng		486640	4	11.31	1746350	20.0
4H-Cyclopenta[def...	11.92	5.1 ng		446190	4	11.31	1746350	20.0
Heneicosane	12.41	4.4 ng		380326	4	11.31	1746350	20.0
Octadecanoic acid	12.63	7.5 ng		651190	4	11.31	1746350	20.0
unknown13.14	13.14	4.4 ng		387357	5	13.95	1768950	20.0
1-Octadecene	13.81	7.3 ng		649020	5	13.95	1768950	20.0
1-Iodoundecane	14.73	5.3 ng		282257	6	15.39	1064630	20.0
Tetracosane	15.06	6.2 ng		331782	6	15.39	1064630	20.0
Benzo[e]pyrene	15.26	4.1 ng		218653	6	15.39	1064630	20.0
Heptacosane	15.86	5.7 ng		303049	6	15.39	1064630	20.0
unknown16.07	16.07	8.7 ng		461875	6	15.39	1064630	20.0
2H-Chromen-2-one,...	16.74	5.7 ng		301405	6	15.39	1064630	20.0
tert-Butylhydroqu...	16.85	5.6 ng		296240	6	15.39	1064630	20.0