

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113952.D
 Acq On : 24 Apr 2019 11:12
 Operator : JU/SJ
 Sample : K2526-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-ROLLOFFS

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-BF042219.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	2.210	17	21	29	rVB	44323	63958	1.66%	0.142%
2	4.998	492	495	504	rVB	41620	44626	1.16%	0.099%
3	5.522	579	584	587	rBV	2940026	2993094	77.73%	6.630%
4	6.528	746	755	763	rBV	2841807	3166967	82.25%	7.016%
5	6.669	774	779	782	rBV	3420462	3252018	84.46%	7.204%
6	6.892	814	817	821	rBV	856586	779128	20.23%	1.726%
7	7.051	840	844	848	rBV	2704116	2583237	67.09%	5.722%
8	7.451	902	912	915	rBV	1926803	2060258	53.51%	4.564%
9	7.539	923	927	931	rVB5	25209	39729	1.03%	0.088%
10	8.175	1030	1035	1038	rBV	1101059	1006801	26.15%	2.230%
11	8.239	1044	1046	1049	rVB	64881	55180	1.43%	0.122%
12	8.469	1079	1085	1088	rBV5	54856	75471	1.96%	0.167%
13	8.557	1097	1100	1104	rVB6	31523	39098	1.02%	0.087%
14	8.604	1104	1108	1110	rBV	160083	142600	3.70%	0.316%
15	8.681	1118	1121	1124	rBV3	49212	49536	1.29%	0.110%
16	8.745	1126	1132	1134	rBV	269104	253164	6.57%	0.561%
17	8.886	1154	1156	1160	rVB	85367	66792	1.73%	0.148%
18	8.945	1161	1166	1169	rBV	341367	302827	7.86%	0.671%
19	8.986	1170	1173	1177	rVB2	70240	84874	2.20%	0.188%
20	9.057	1183	1185	1188	rBV3	29149	40421	1.05%	0.090%
21	9.086	1188	1190	1194	rVV2	52705	56133	1.46%	0.124%
22	9.128	1194	1197	1201	rVV4	45870	66843	1.74%	0.148%
23	9.204	1207	1210	1214	rBV2	222261	211926	5.50%	0.469%
24	9.251	1214	1218	1221	rBV	3943193	3487775	90.58%	7.726%
25	9.333	1228	1232	1236	rBV4	113191	185880	4.83%	0.412%
26	9.375	1236	1239	1242	rVV3	58277	80354	2.09%	0.178%
27	9.451	1250	1252	1256	rVB3	61802	59459	1.54%	0.132%
28	9.522	1259	1264	1267	rVB3	85320	133468	3.47%	0.296%
29	9.592	1269	1276	1278	rVV3	179264	242399	6.30%	0.537%
30	9.616	1278	1280	1282	rVV	140888	136083	3.53%	0.301%
31	9.639	1282	1284	1289	rVV2	707404	876316	22.76%	1.941%
32	9.681	1289	1291	1293	rVV	79932	67932	1.76%	0.150%
33	9.710	1293	1296	1299	rVB3	66378	78810	2.05%	0.175%
34	9.804	1308	1312	1315	rBV3	69587	93697	2.43%	0.208%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113952.D
 Acq On : 24 Apr 2019 11:12
 Operator : JU/SJ
 Sample : K2526-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-ROLLOFFS

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-BF042219.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.845	1316	1319	1321	rBV2	78079	87566	2.27%	0.194%
36	9.933	1330	1334	1337	rVB	1182536	1090309	28.32%	2.415%
37	10.039	1349	1352	1356	rVB2	72781	87844	2.28%	0.195%
38	10.104	1356	1363	1364	rBV5	59023	114123	2.96%	0.253%
39	10.128	1364	1367	1370	rVB2	141021	136477	3.54%	0.302%
40	10.192	1376	1378	1385	rVB5	102835	150002	3.90%	0.332%
41	10.251	1385	1388	1390	rBV2	78317	85645	2.22%	0.190%
42	10.304	1394	1397	1399	rBV2	43406	41391	1.07%	0.092%
43	10.339	1399	1403	1405	rBV3	97599	138482	3.60%	0.307%
44	10.363	1405	1407	1410	rVB3	111352	96108	2.50%	0.213%
45	10.422	1415	1417	1422	rVB4	61844	74650	1.94%	0.165%
46	10.475	1423	1426	1427	rBV2	66515	65912	1.71%	0.146%
47	10.586	1439	1445	1449	rBV	375255	410711	10.67%	0.910%
48	10.633	1451	1453	1457	rVB4	74488	72914	1.89%	0.162%
49	10.675	1457	1460	1463	rBV2	100786	113577	2.95%	0.252%
50	10.716	1463	1467	1471	rBV	2145526	2106857	54.72%	4.667%
51	10.851	1485	1490	1496	rBV	675568	752127	19.53%	1.666%
52	11.063	1522	1526	1530	rVB4	114549	151402	3.93%	0.335%
53	11.286	1561	1564	1566	rBV2	69553	63774	1.66%	0.141%
54	11.316	1566	1569	1575	rVB	428159	416563	10.82%	0.923%
55	11.416	1582	1586	1589	rBV	1353089	1166383	30.29%	2.584%
56	11.439	1589	1590	1594	rVB	99677	47571	1.24%	0.105%
57	11.663	1626	1628	1632	rVV	94119	85043	2.21%	0.188%
58	11.710	1634	1636	1638	rVB2	98108	65242	1.69%	0.145%
59	11.804	1650	1652	1655	rVB2	66263	56916	1.48%	0.126%
60	11.957	1670	1678	1687	rBV	2238524	3131726	81.33%	6.937%
61	12.080	1696	1699	1703	rBV2	104096	167825	4.36%	0.372%
62	12.116	1703	1705	1708	rVB	82225	62119	1.61%	0.138%
63	12.210	1719	1721	1724	rBV2	43714	41659	1.08%	0.092%
64	12.398	1750	1753	1759	rVB3	68818	103666	2.69%	0.230%
65	12.469	1762	1765	1767	rVB	72155	66321	1.72%	0.147%
66	12.504	1768	1771	1776	rVV2	103528	123402	3.20%	0.273%
67	12.598	1784	1787	1790	rBV	176360	166690	4.33%	0.369%
68	12.627	1790	1792	1794	rBV	126124	115594	3.00%	0.256%
69	12.745	1805	1812	1828	rBV	2798142	3850472	100.00%	8.530%
70	12.851	1828	1830	1832	rVV	79597	82427	2.14%	0.183%
71	12.874	1832	1834	1838	rVB	98831	78779	2.05%	0.175%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.998	1851	1855	1858	rBV	3462111	3000706	77.93%	6.647%
73	13.227	1891	1894	1900	rBV2	78044	89014	2.31%	0.197%
74	13.445	1928	1931	1934	rBV2	62837	74166	1.93%	0.164%
75	13.480	1934	1937	1946	rVB3	87902	150441	3.91%	0.333%
76	13.574	1950	1953	1957	rVB	53752	48956	1.27%	0.108%
77	13.904	2006	2009	2015	rVB2	55098	68137	1.77%	0.151%
78	14.057	2028	2035	2038	rBV	986836	1145826	29.76%	2.538%
79	14.227	2061	2064	2070	rVB3	47063	54448	1.41%	0.121%
80	14.539	2111	2117	2121	rBV3	89017	146480	3.80%	0.324%
81	14.851	2167	2170	2174	rBV	60728	62285	1.62%	0.138%
82	15.115	2212	2215	2224	rVB	43773	86398	2.24%	0.191%
83	15.198	2226	2229	2233	rVV	73928	80310	2.09%	0.178%
84	15.280	2238	2243	2256	rVB3	85545	220178	5.72%	0.488%
85	15.551	2284	2289	2293	rBV	758912	935773	24.30%	2.073%
86	15.586	2293	2295	2301	rVB2	94466	116440	3.02%	0.258%
87	16.033	2367	2371	2377	rVB	71750	106621	2.77%	0.236%
88	16.551	2454	2459	2464	rBV3	40623	68546	1.78%	0.152%
89	17.386	2598	2601	2608	rVB7	31128	63107	1.64%	0.140%
90	17.739	2656	2661	2669	rVB10	32977	79328	2.06%	0.176%

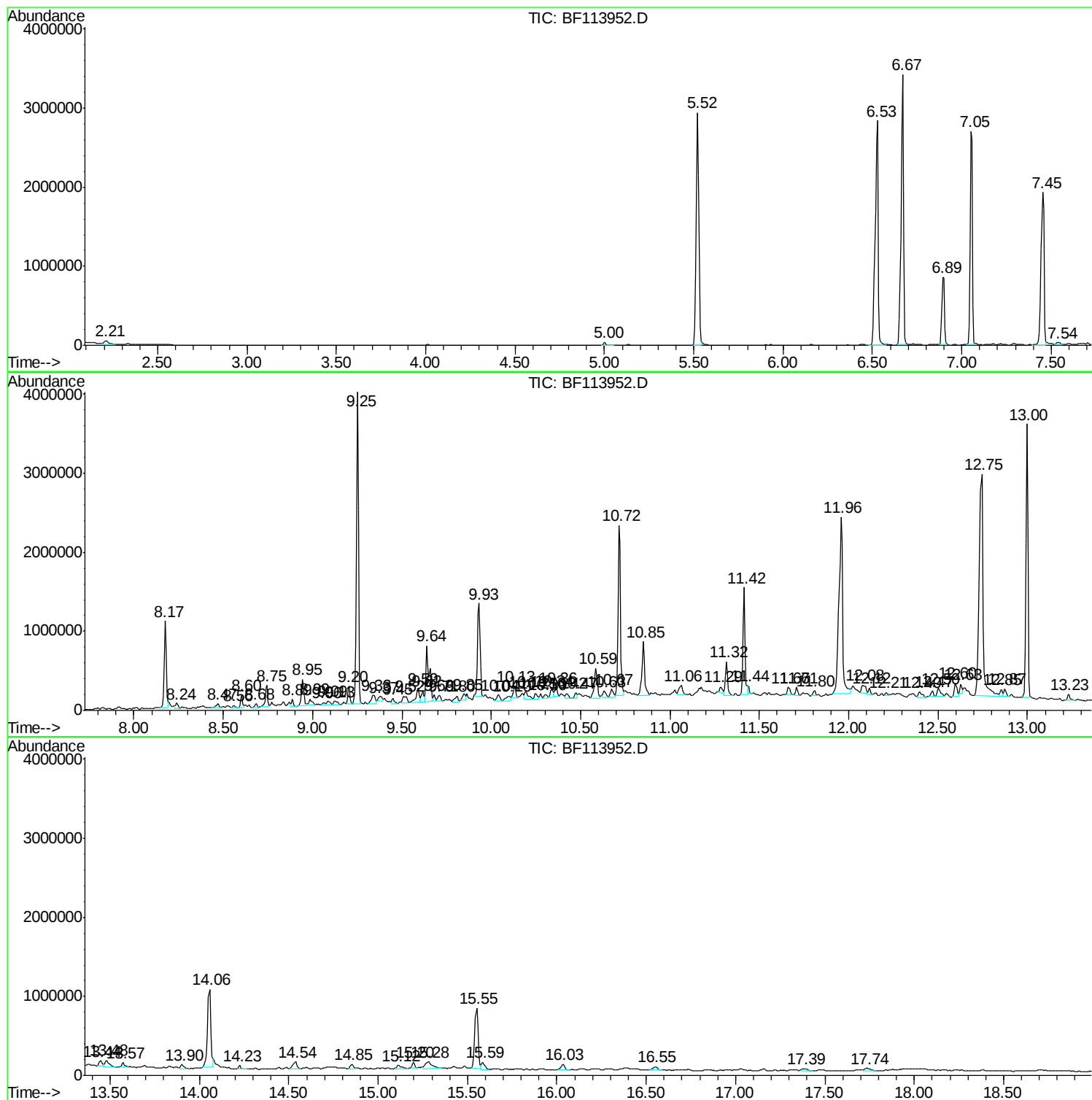
Sum of corrected areas: 45142283

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.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\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

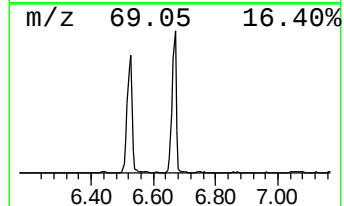
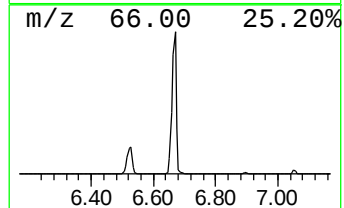
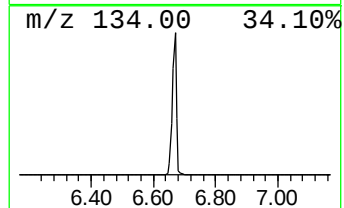
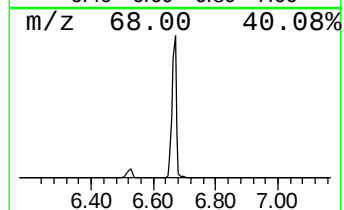
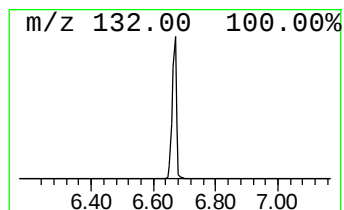
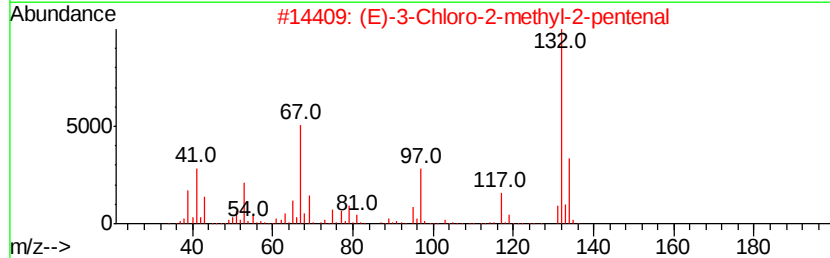
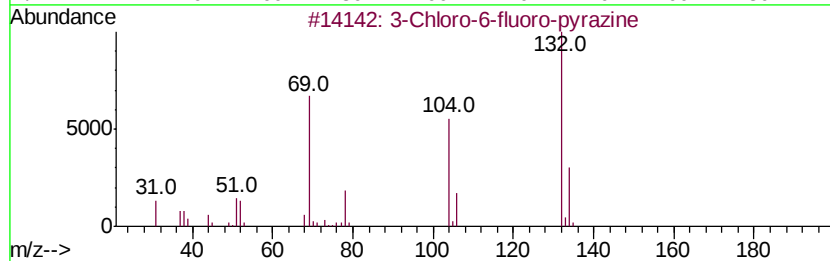
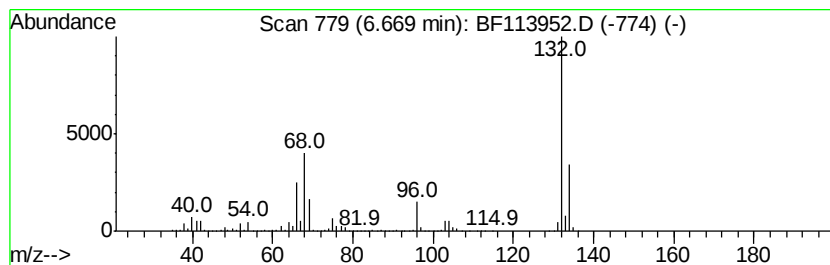
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	83.48 ng	3252020	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Xenon	132	Xe	007440-63-3	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

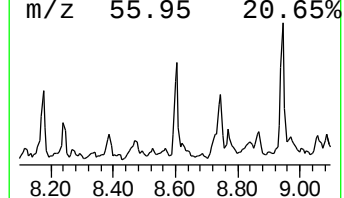
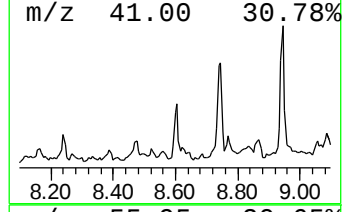
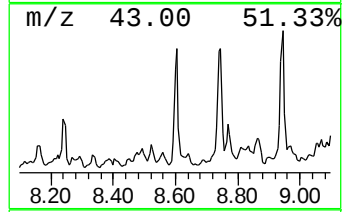
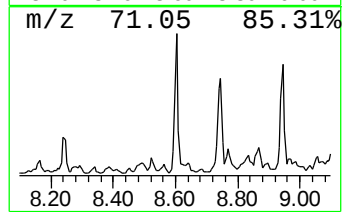
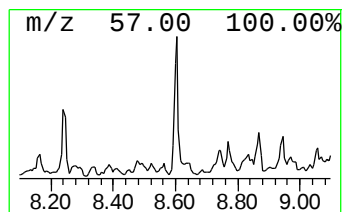
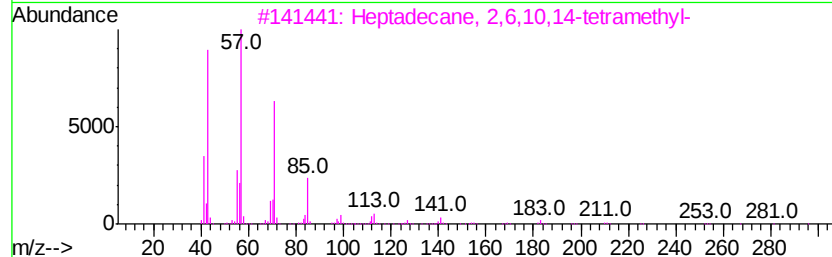
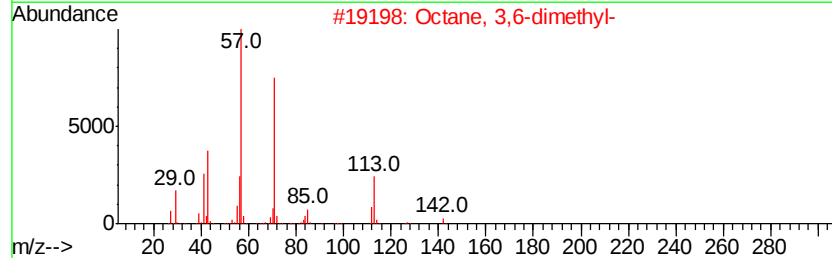
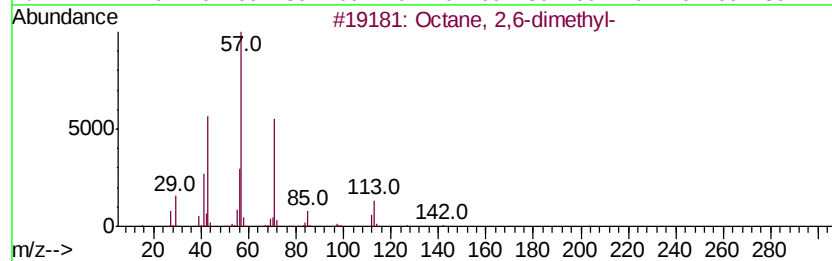
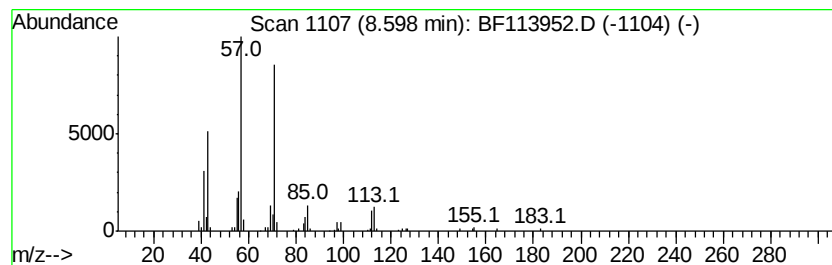
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	2.83 ng	142600	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
4		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64
5		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

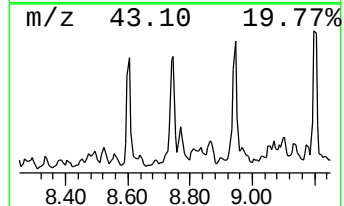
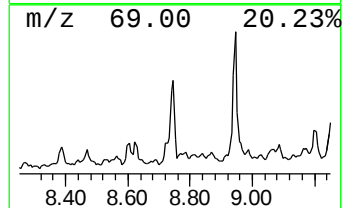
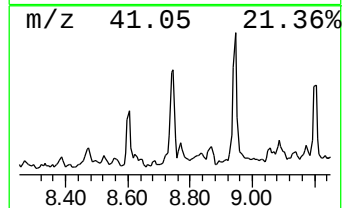
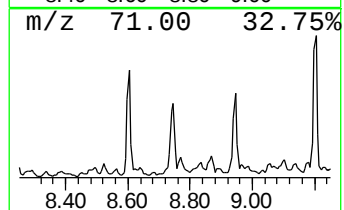
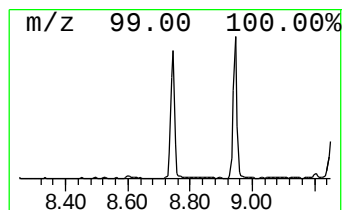
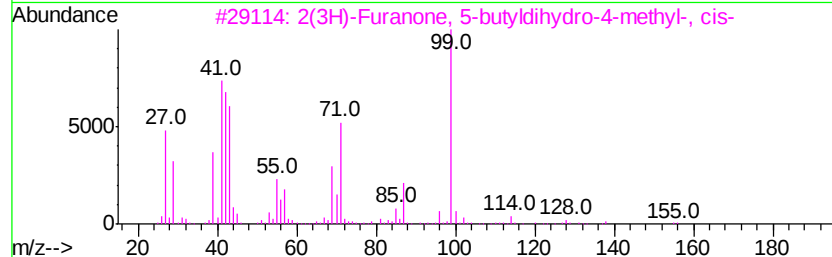
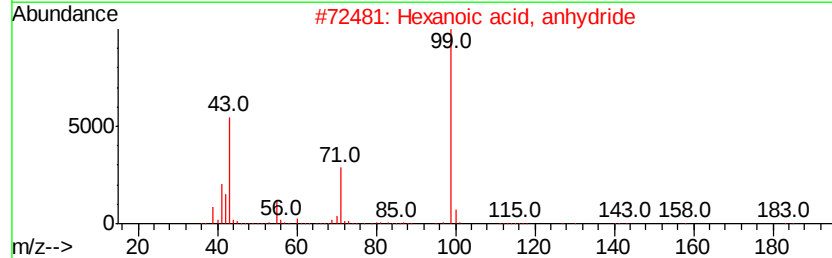
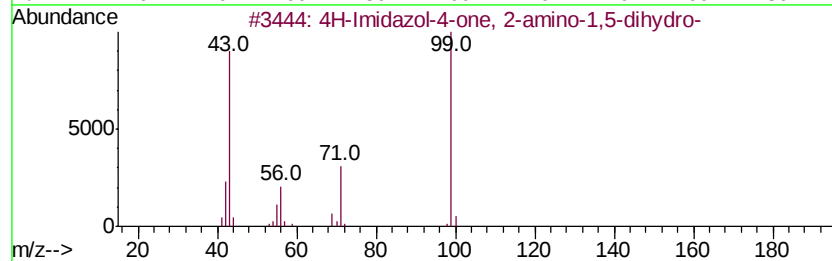
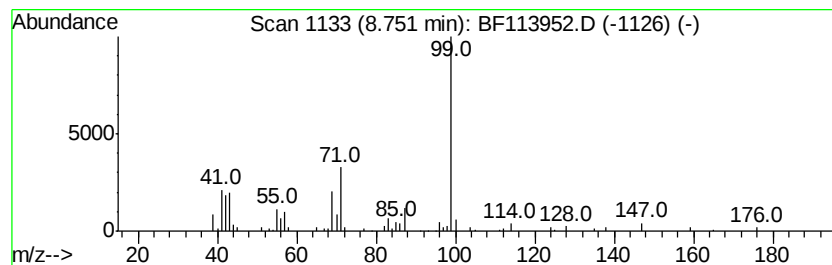
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 4H-Imidazol-4-one, 2-amino-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	5.03 ng	253164	Napthalene-d8	8.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99 C3H5N3O	000503-86-6	72
2	Hexanoic acid, anhydride	214 C12H22O3	002051-49-2	59
3	2(3H)-Furanone, 5-butylidihydro-4...	156 C9H16O2	055013-32-6	56
4	Oxirane, 2-methyl-2-(2-methylpro...	114 C7H14O	053897-31-7	50
5	trans-3-Methyl-4-octanolide	156 C9H16O2	039638-67-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

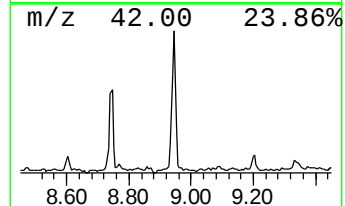
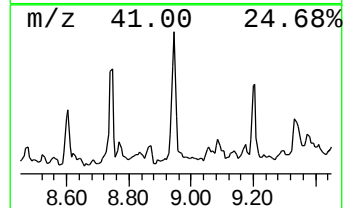
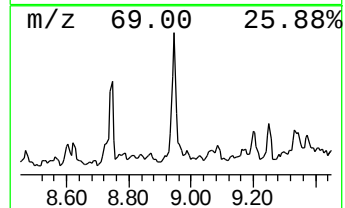
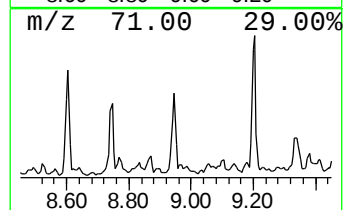
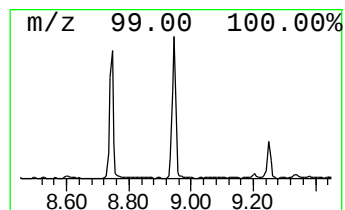
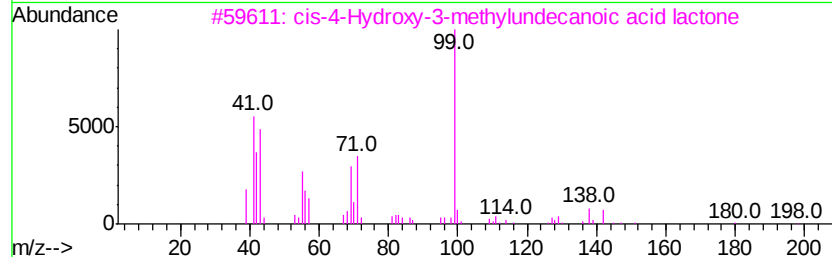
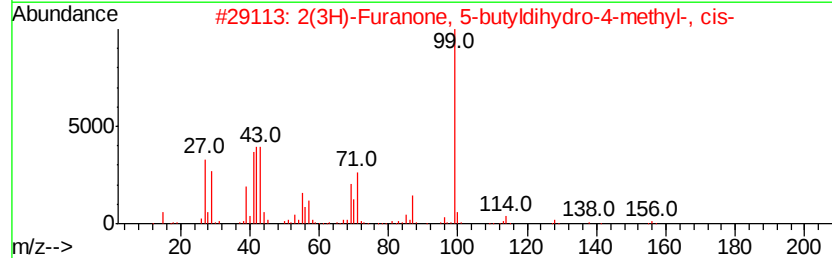
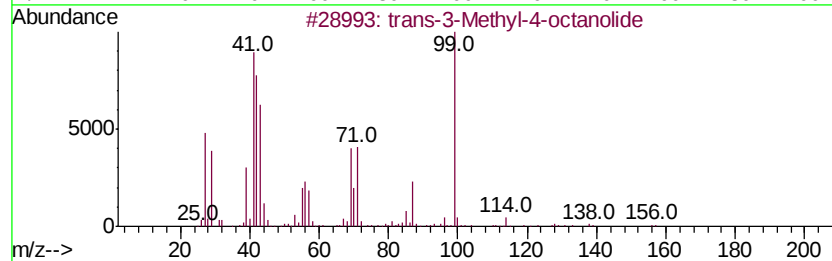
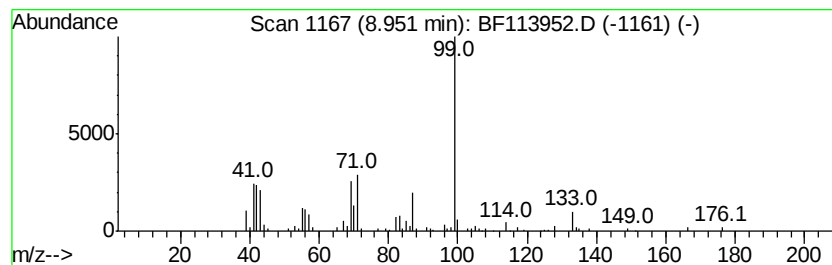
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 trans-3-Methyl-4-octanolide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	6.02 ng	302827	Napthalene-d8	8.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-3-Methyl-4-octanolide	156 C9H16O2	039638-67-0	91
2	2(3H)-Furanone, 5-butylidihydro-4...	156 C9H16O2	055013-32-6	78
3	cis-4-Hydroxy-3-methylundecanoic...	198 C12H22O2	148806-09-1	72
4	2(3H)-Furanone, 5-butylidihydro-4...	156 C9H16O2	039212-23-2	70
5	Hexanoic acid, 4-hexadecyl ester	340 C22H44O2	1000282-83-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

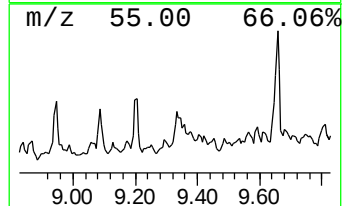
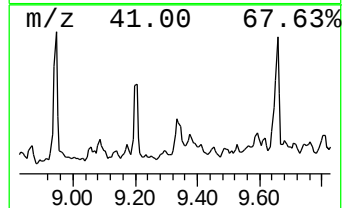
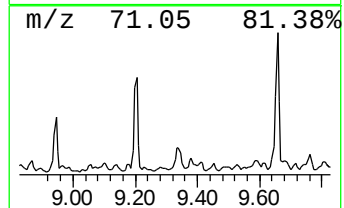
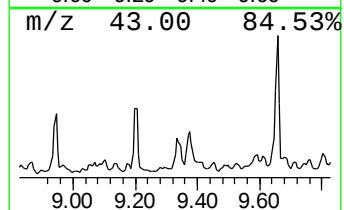
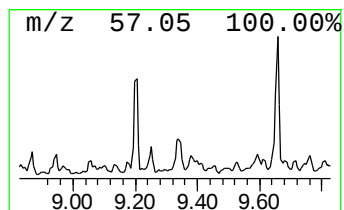
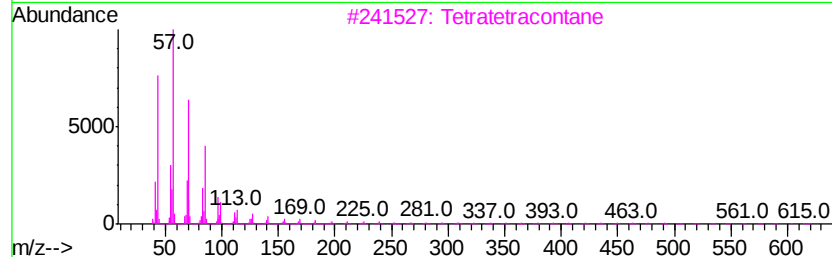
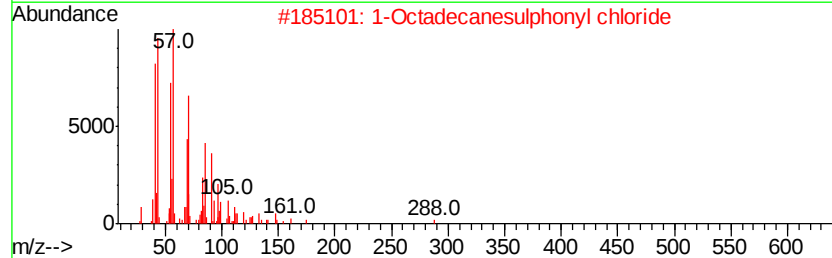
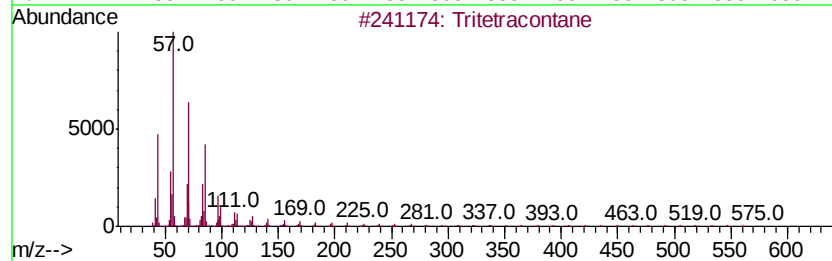
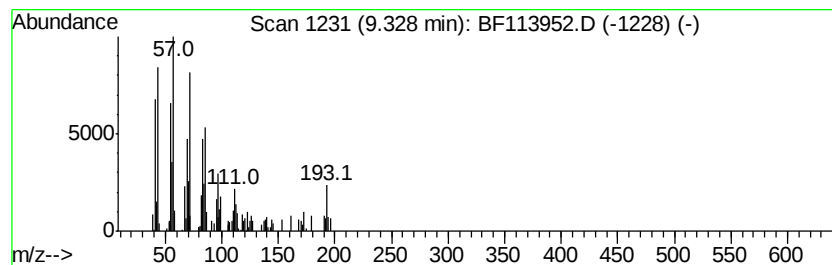
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tritetracontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	3.41 ng	185880	Acenaphthene-d10	9.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	72
2		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	64
3		Tetratetracontane	619	C44H90	007098-22-8	64
4		Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	64
5		1-Bromodocosane	388	C22H45Br	006938-66-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

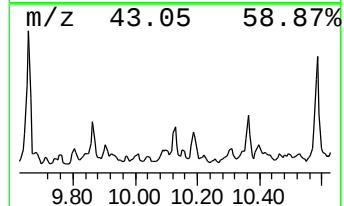
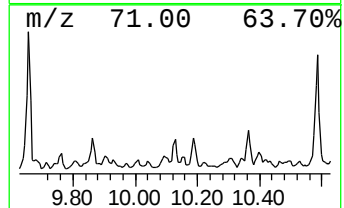
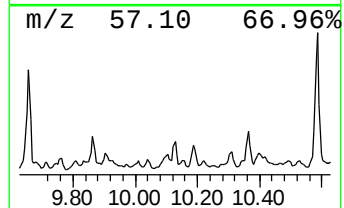
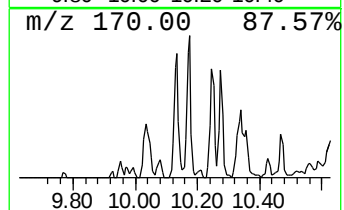
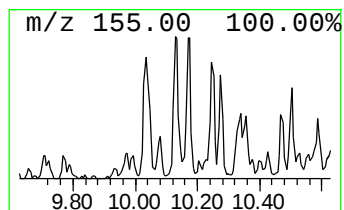
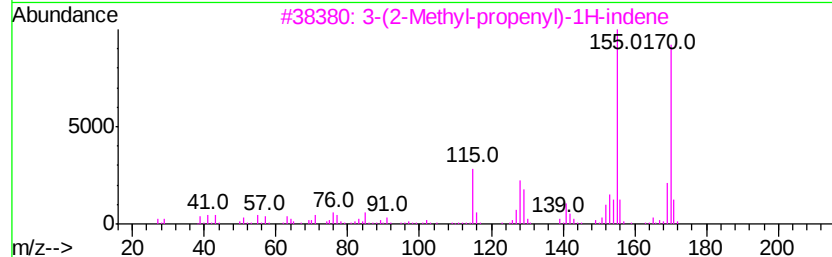
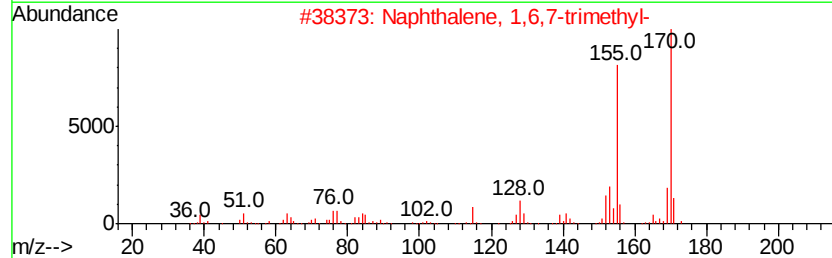
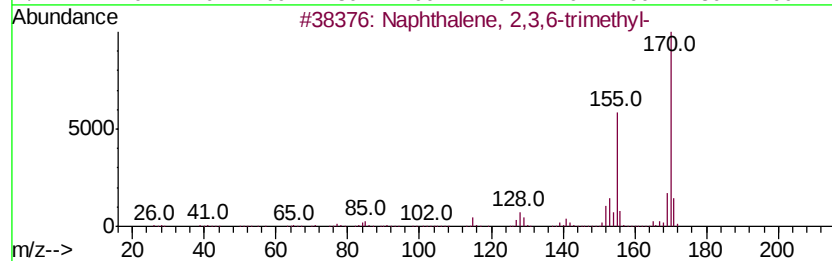
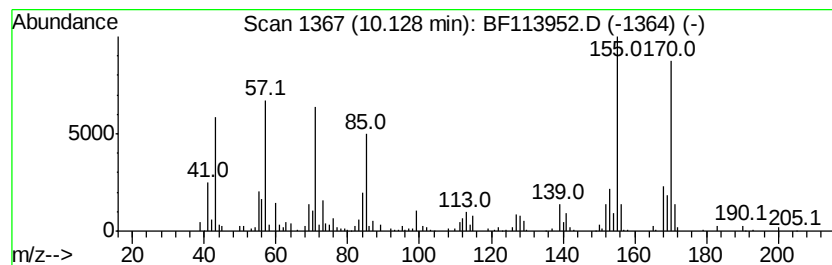
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.13	2.50 ng	136477	Acenaphthene-d10	9.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	78
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

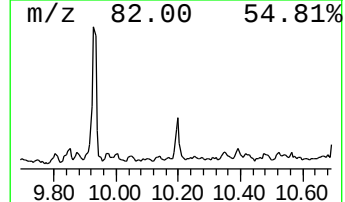
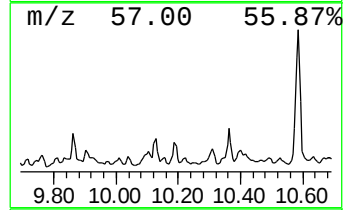
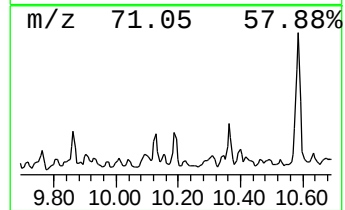
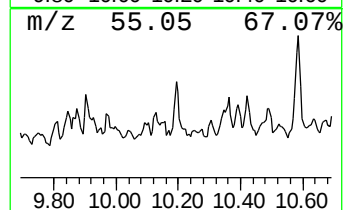
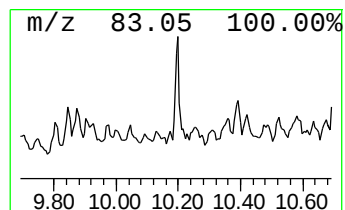
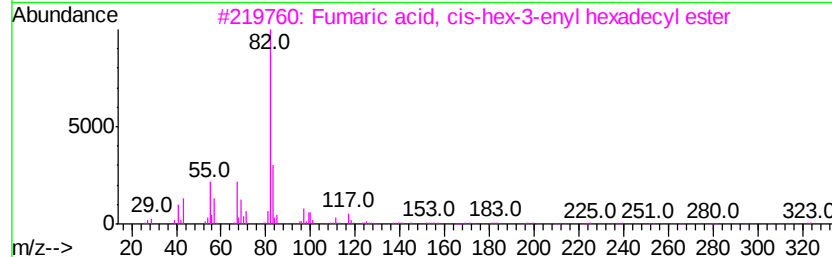
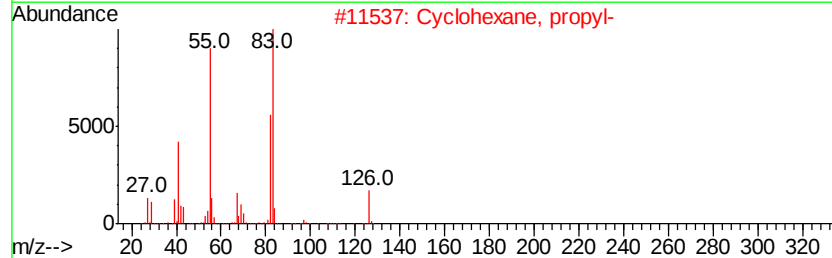
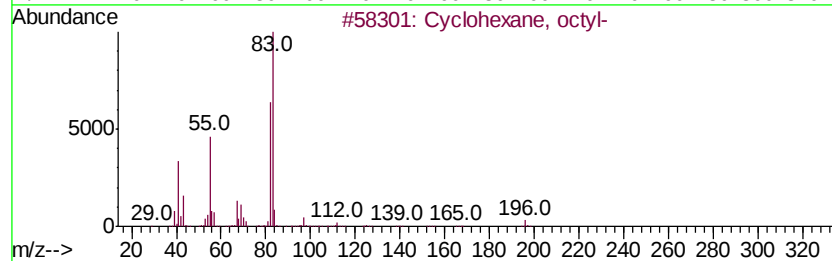
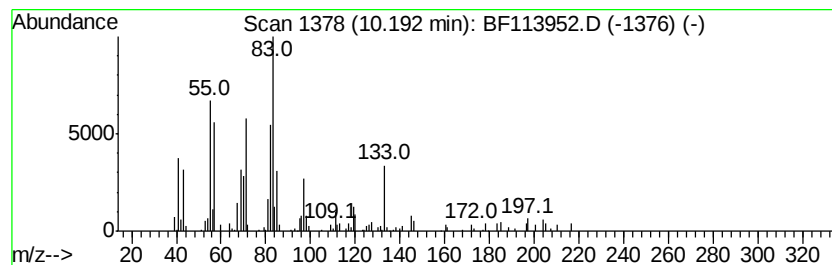
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown10.19 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.19	2.75 ng	150002	Acenaphthene-d10	9.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, octyl-	196	C14H28	001795-15-9	46
2	Cvclohexane, propyl-	126	C9H18	001678-92-8	43
3	Fumaric acid, cis-hex-3-enyl hex...	422	C26H46O4	1000348-87-1	35
4	Cvclohexane, ethyl-	112	C8H16	001678-91-7	35
5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

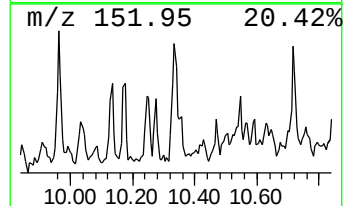
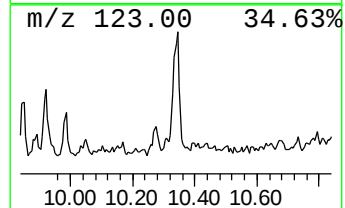
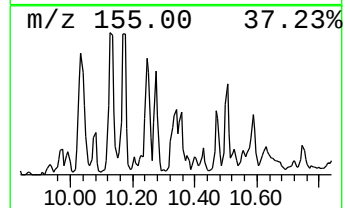
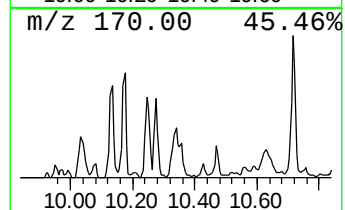
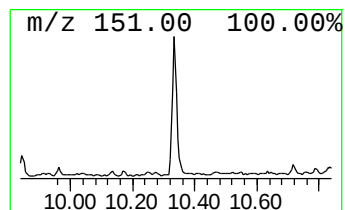
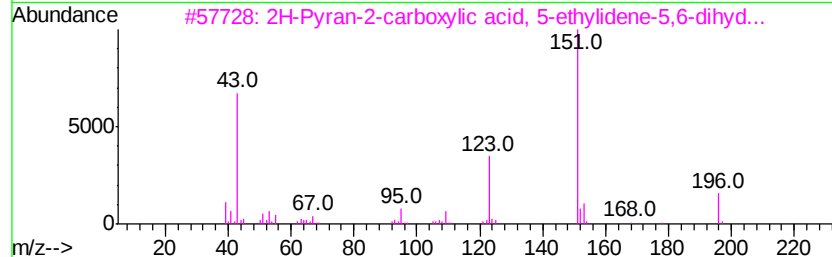
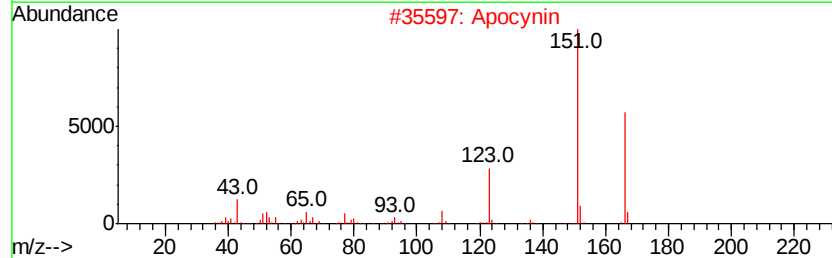
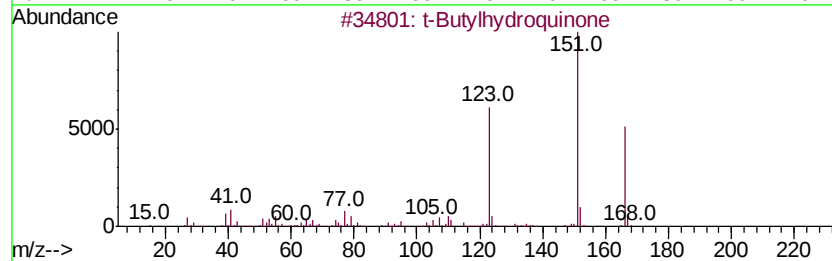
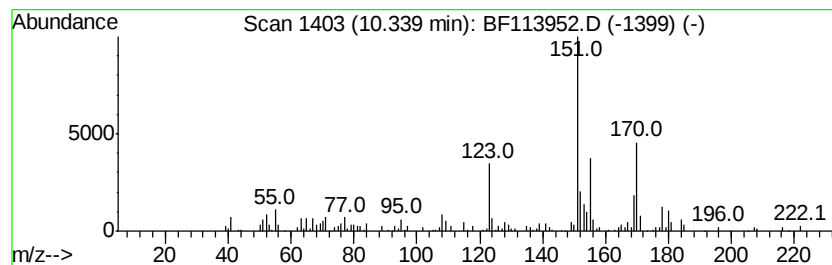
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown10.34 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.34	2.54 ng	138482	Acenaphthene-d10	9.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	t-Butylhydroquinone	166	C10H14O2	001948-33-0	38
2	Apocynin	166	C9H10O3	000498-02-2	35
3	2H-Pyran-2-carboxylic acid, 5-et...	196	C10H12O4	019776-81-9	35
4	p-tert-Butyl catechol	166	C10H14O2	000098-29-3	30
5	Ethanone, 1-(2-hydroxy-4-methoxy...	166	C9H10O3	000552-41-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

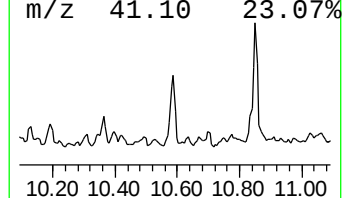
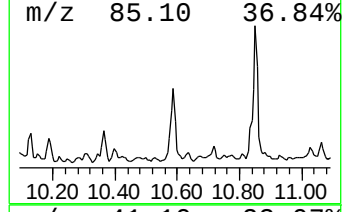
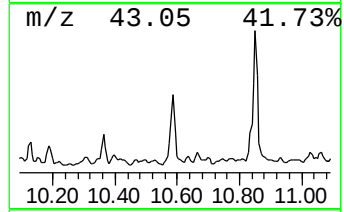
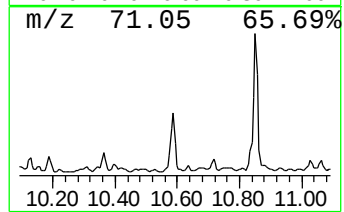
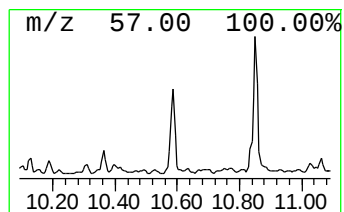
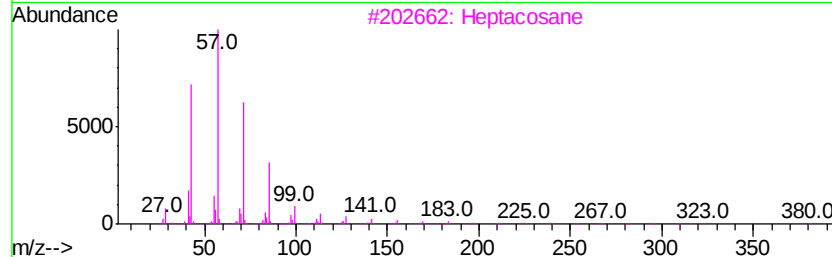
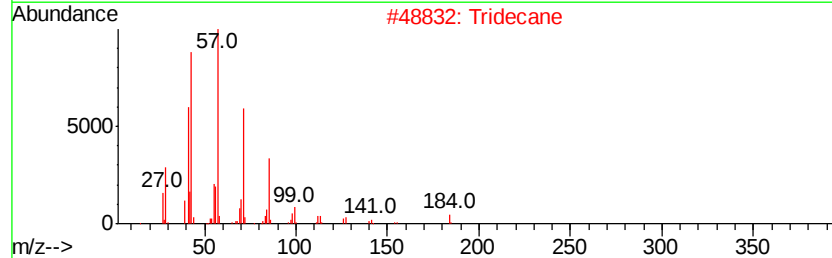
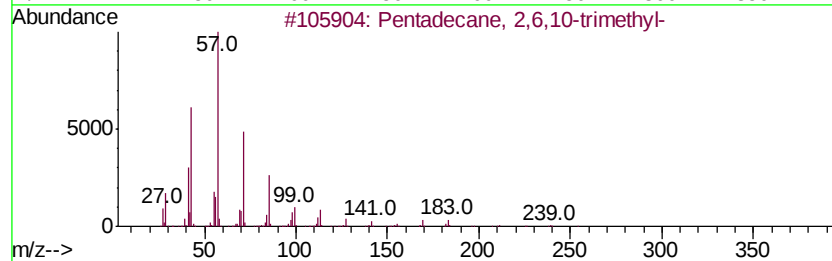
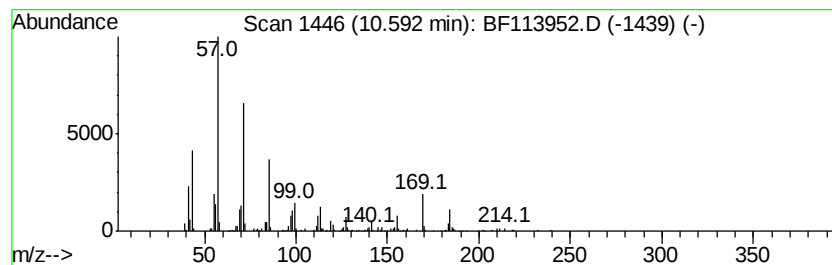
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	7.53 ng	410711	Acenaphthene-d10	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2			Tridecane	184	C13H28	000629-50-5	76
3			Heptacosane	380	C27H56	000593-49-7	72
4			Eicosane	282	C20H42	000112-95-8	72
5			Hexacosane	366	C26H54	000630-01-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

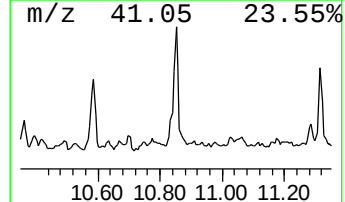
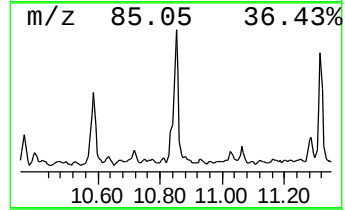
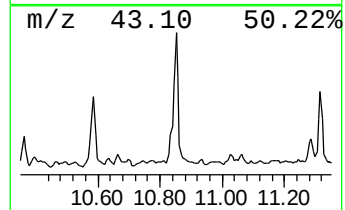
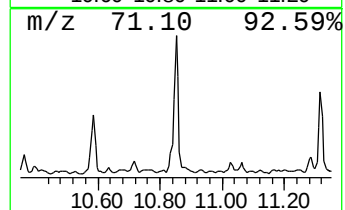
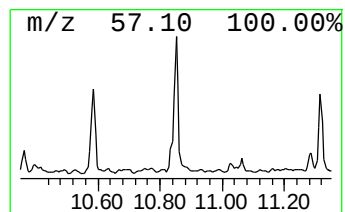
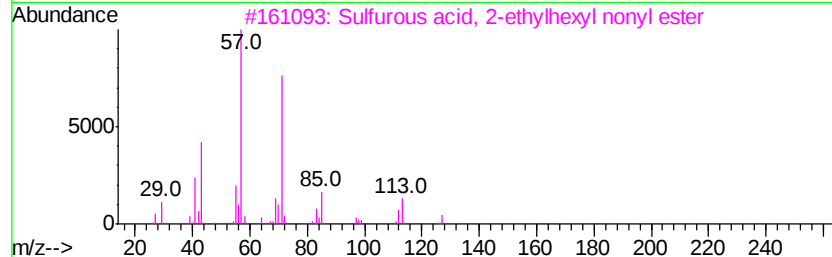
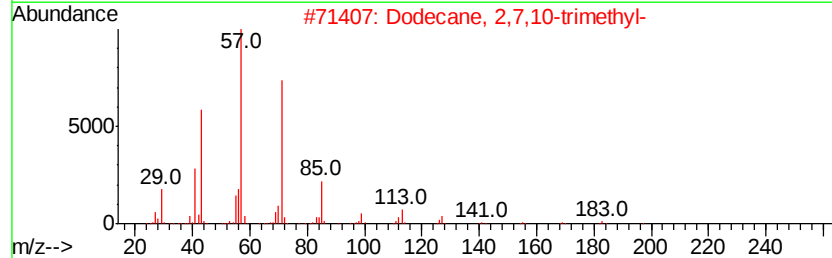
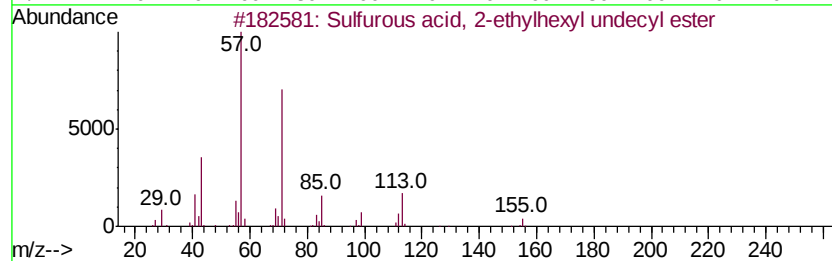
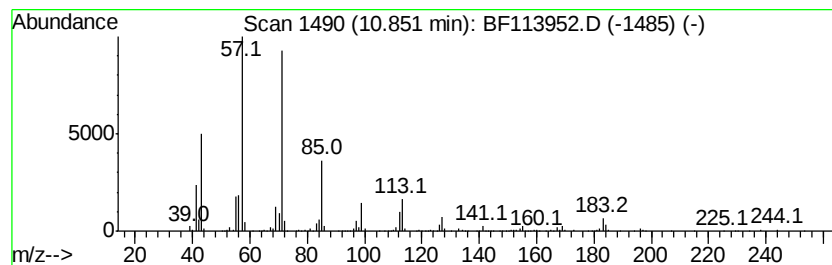
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Sulfurous acid, 2-ethylhexy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	12.90 ng	752127	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	74
4		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
5		Tridecane, 4-methyl-	198	C14H30	026730-12-1	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

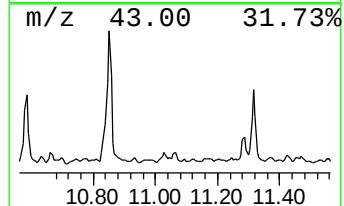
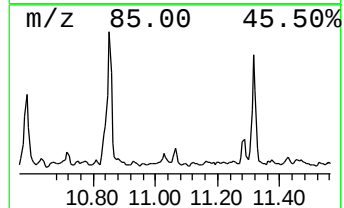
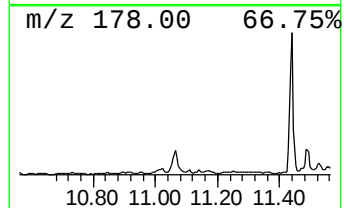
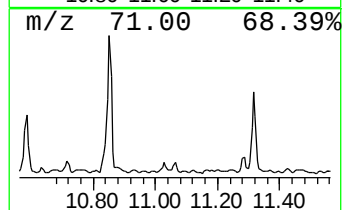
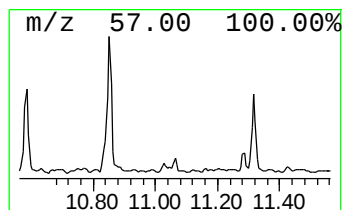
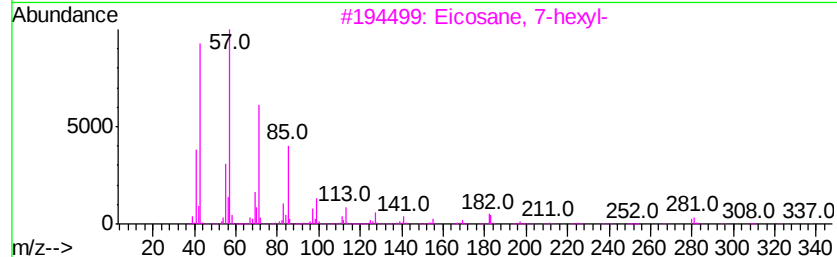
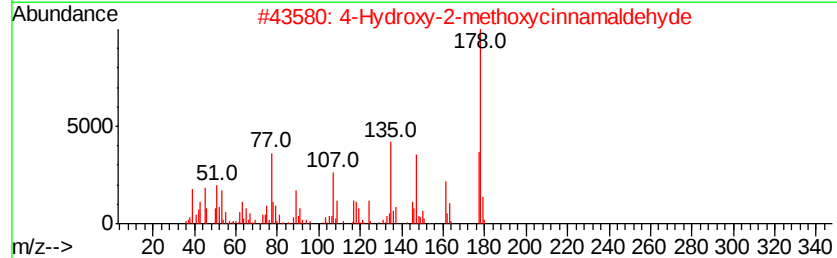
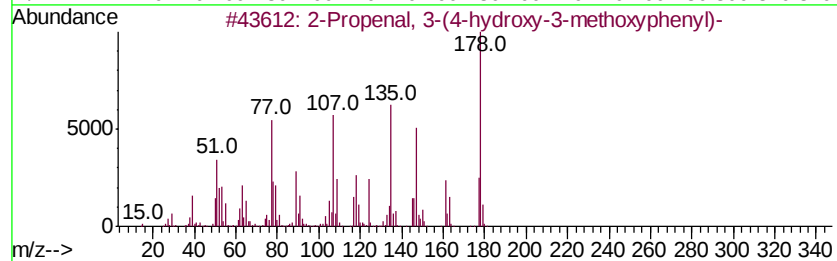
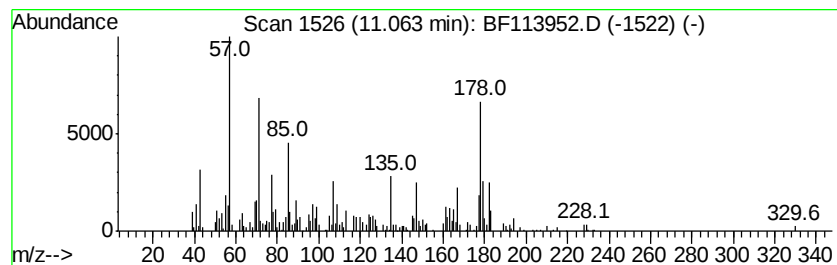
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Propenal, 3-(4-hydroxy-3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.06	2.60 ng	151402	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-hydroxy-3-metho...	178	C10H10O3	000458-36-6	51
2	4-Hydroxy-2-methoxycinnamaldehyde	178	C10H10O3	127321-19-1	38
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	25
4	Methyleugenol	178	C11H14O2	000093-15-2	25
5	10-Methylnonadecane	282	C20H42	056862-62-5	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

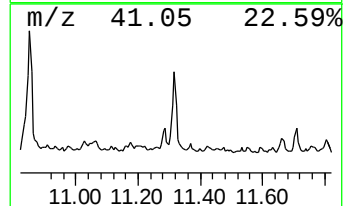
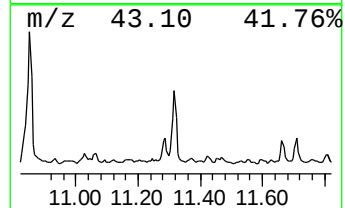
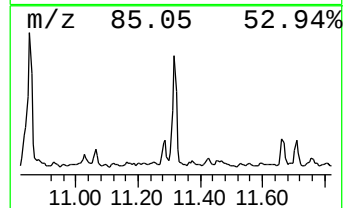
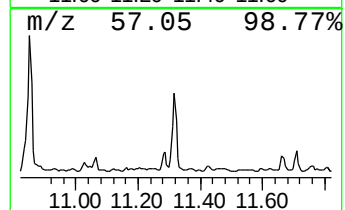
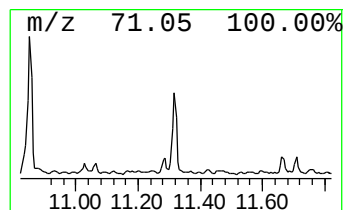
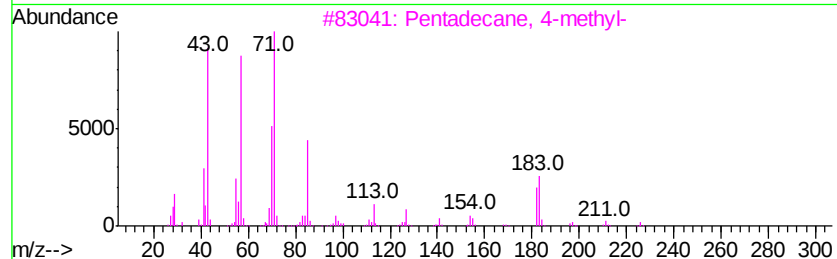
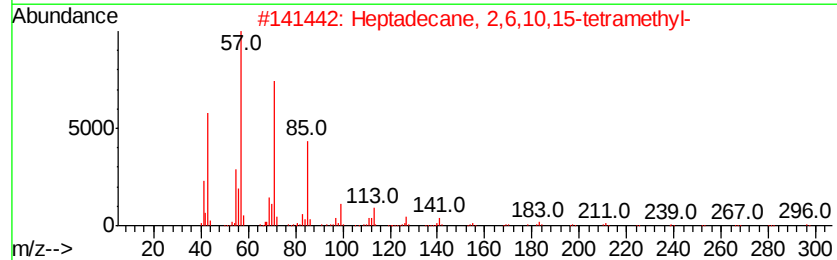
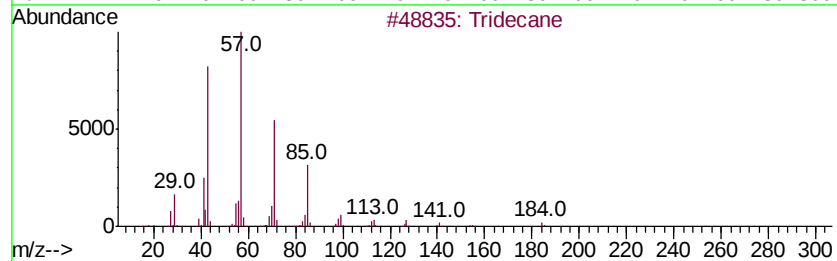
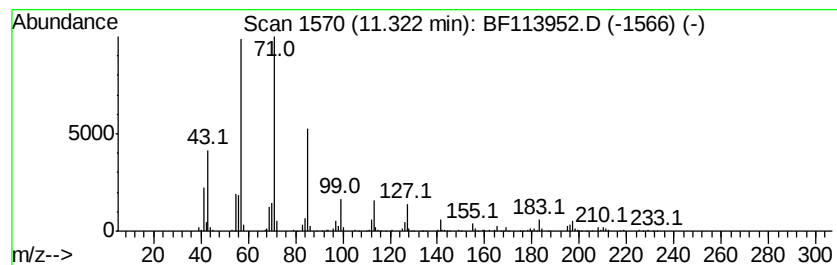
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	7.14 ng	416563	Phenanthrene-d10	11.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3			Pentadecane, 4-methyl-	226	C16H34	002801-87-8	86
4			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	81
5			Hexacosane	366	C26H54	000630-01-3	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

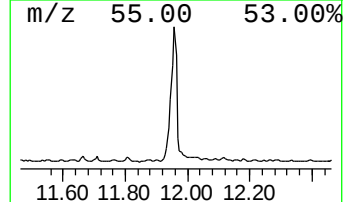
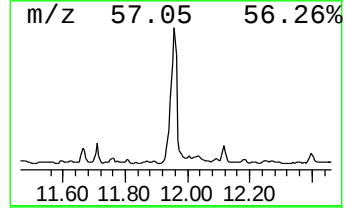
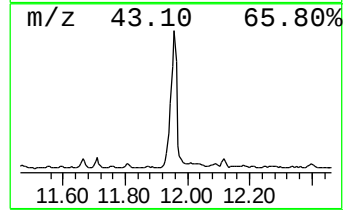
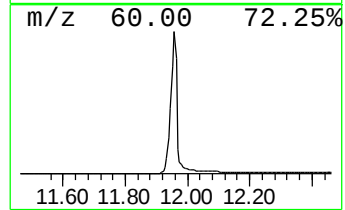
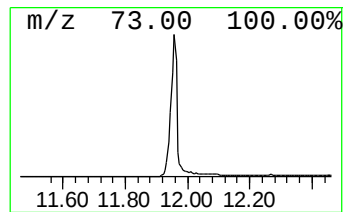
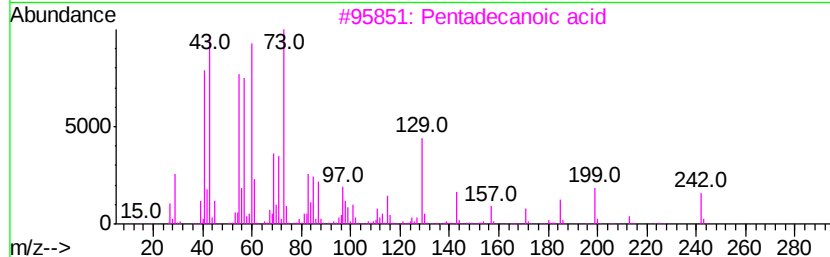
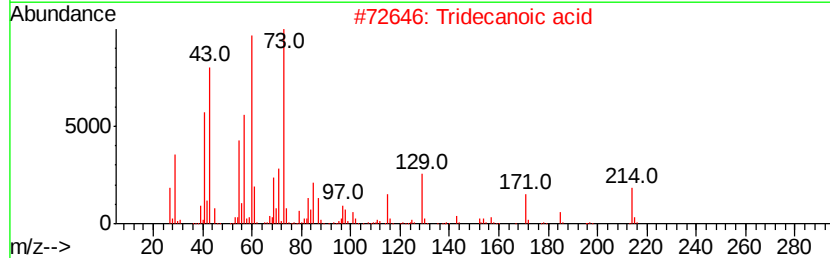
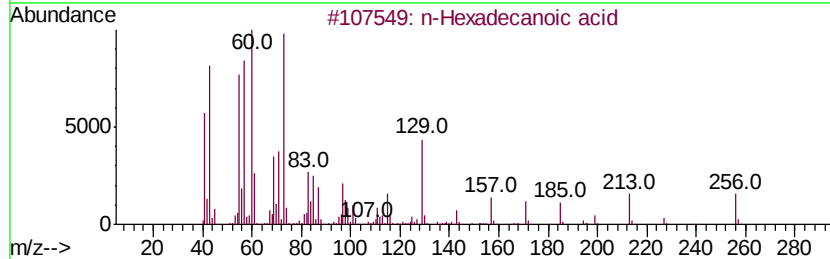
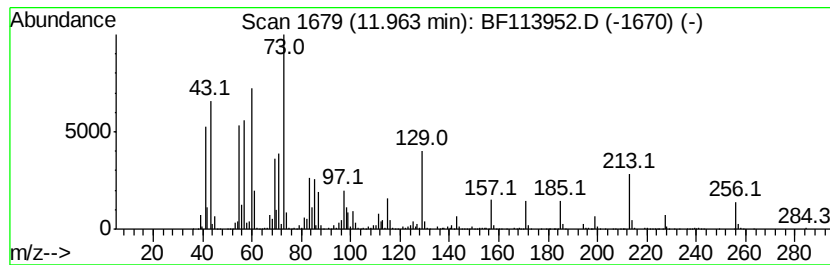
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	53.70 ng	3131730	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Octadecanoic acid	284	C18H36O2	000057-11-4	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

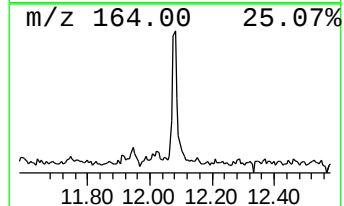
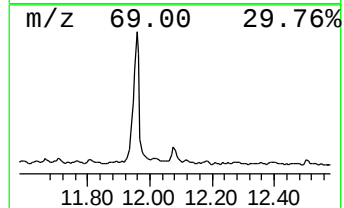
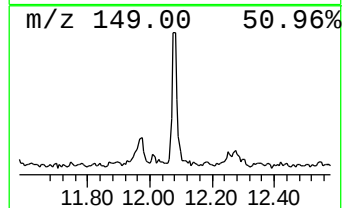
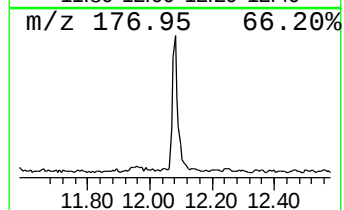
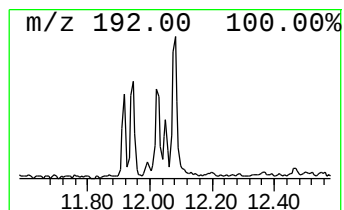
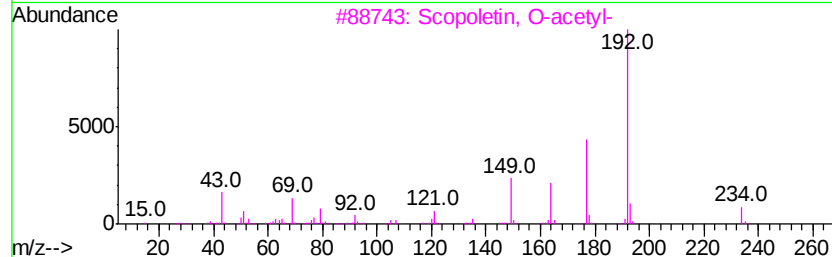
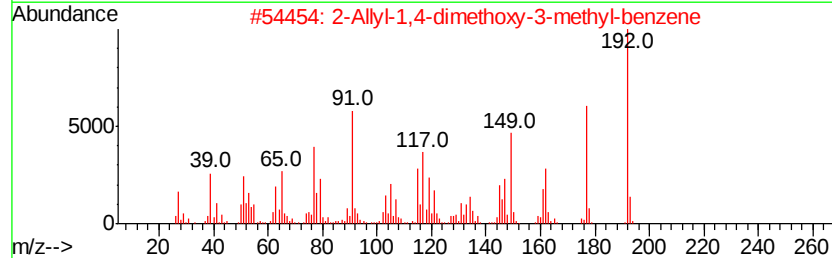
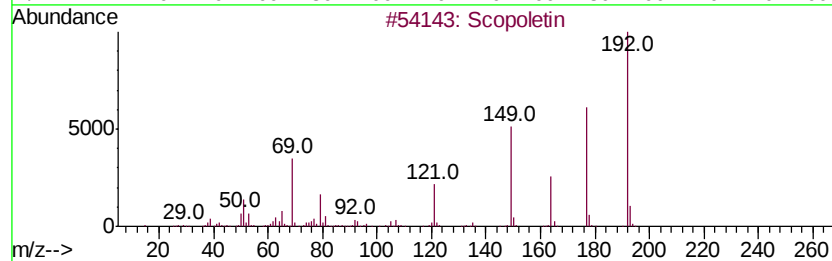
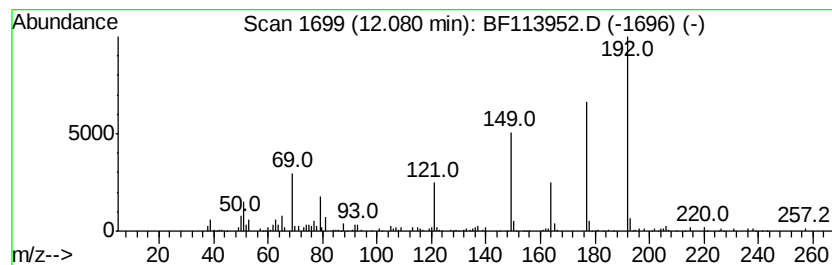
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Scopoletin Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.88 ng	167825	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Scopoletin	192	C10H8O4	000092-61-5	93
2		2-Allyl-1,4-dimethoxy-3-methyl-b...	192	C12H16O2	1000187-53-7	64
3		Scopoletin, O-acetyl-	234	C12H10O5	1000374-30-1	50
4		4-Methylesculetin	192	C10H8O4	000529-84-0	35
5		2-tert-Butyl-6-methylphenol, ace...	206	C13H18O2	1000364-92-4	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

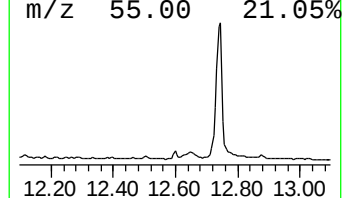
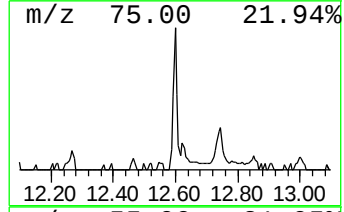
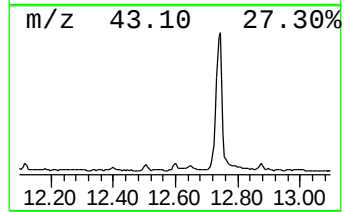
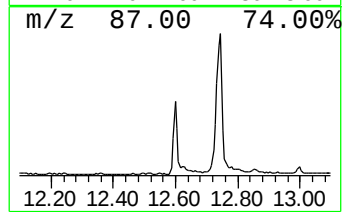
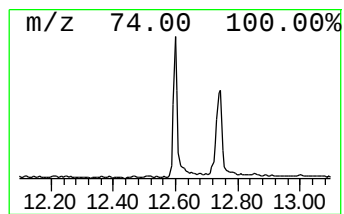
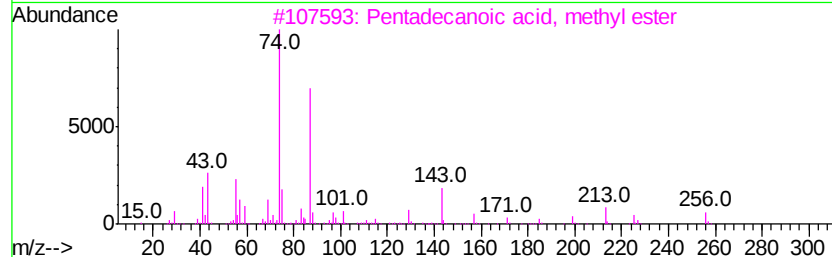
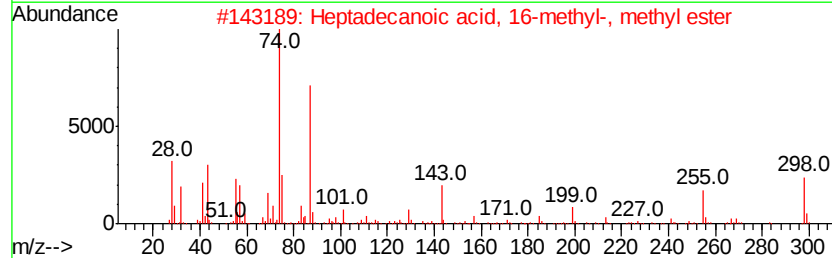
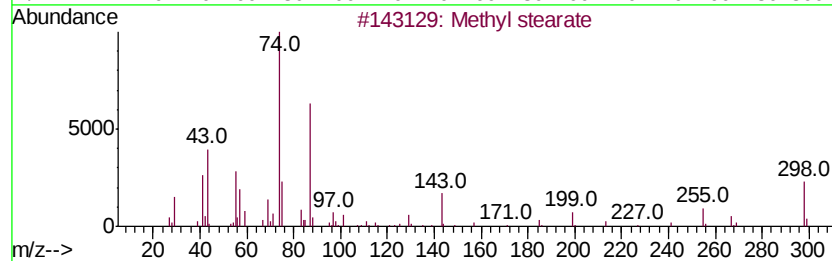
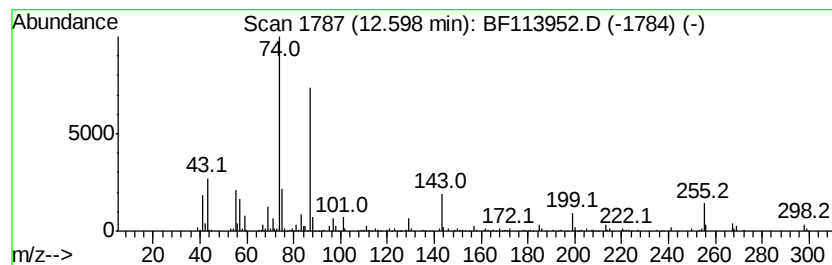
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Methyl stearate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.86 ng	166690	Phenanthrene-d10	11.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Methyl stearate	298 C19H38O2	000112-61-8 93
2		Heptadecanoic acid, 16-methyl-, ...	298 C19H38O2	005129-61-3 92
3		Pentadecanoic acid, methyl ester	256 C16H32O2	007132-64-1 87
4		Methyl tetradecanoate	242 C15H30O2	000124-10-7 80
5		Heptadecanoic acid, methyl ester	284 C18H36O2	001731-92-6 80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

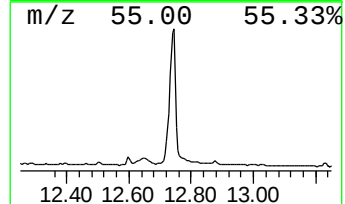
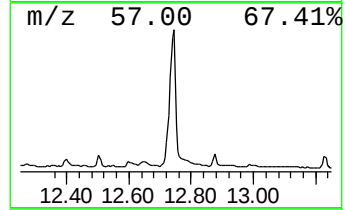
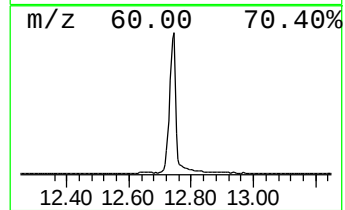
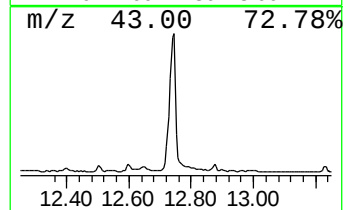
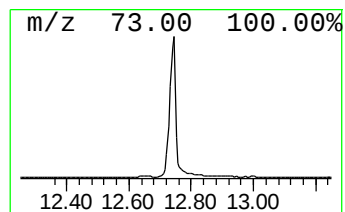
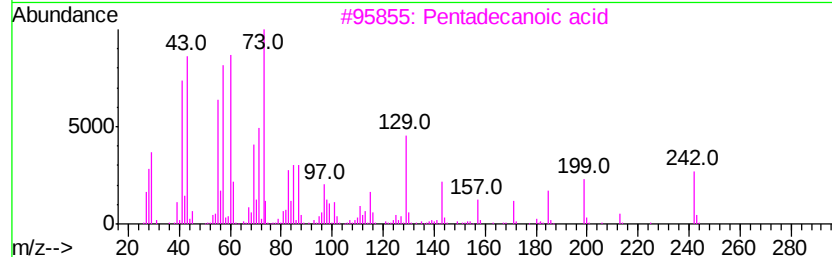
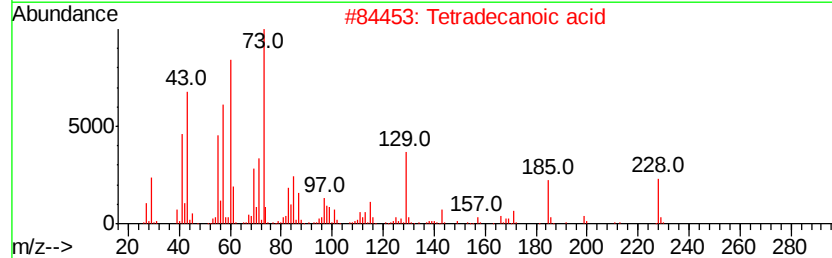
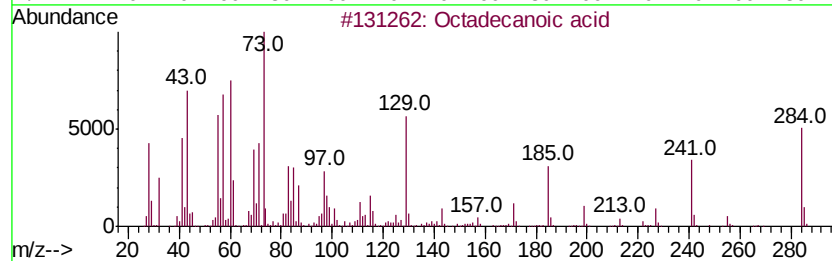
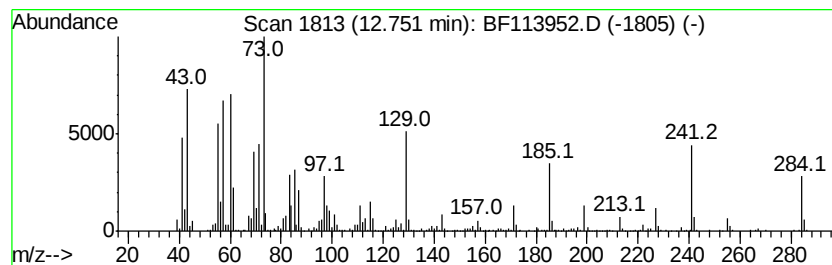
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	67.21 ng	3850470	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	68
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4		n-Decanoic acid	172	C10H20O2	000334-48-5	58
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

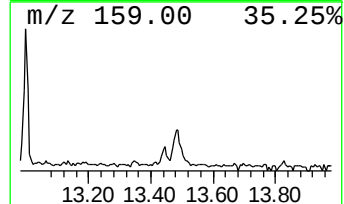
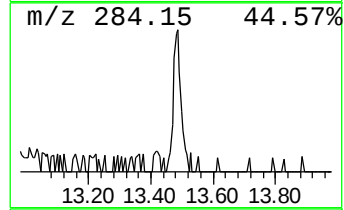
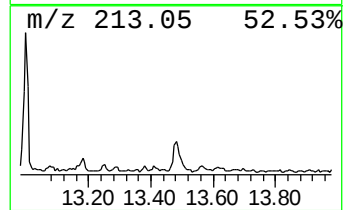
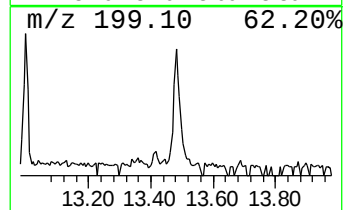
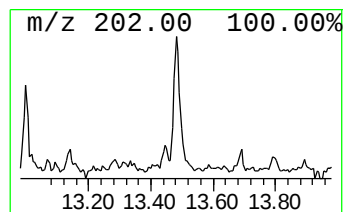
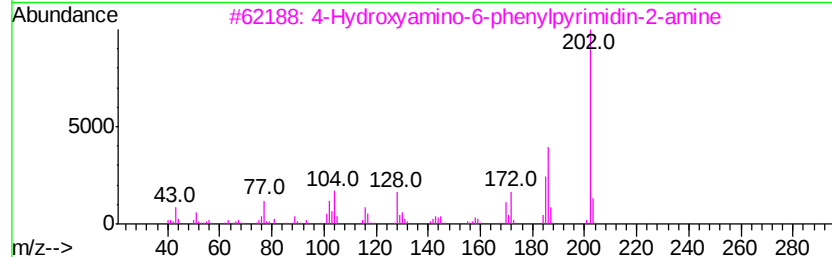
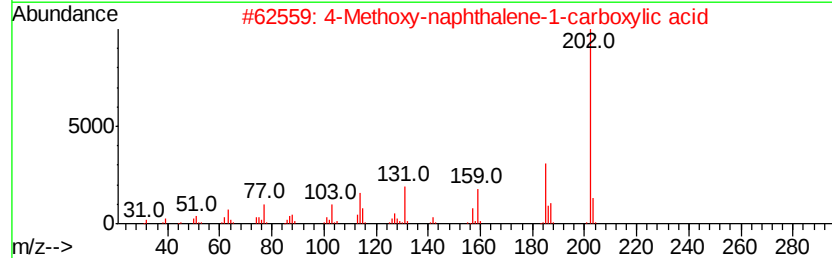
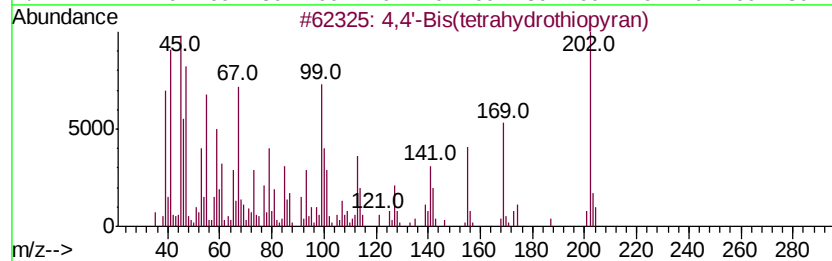
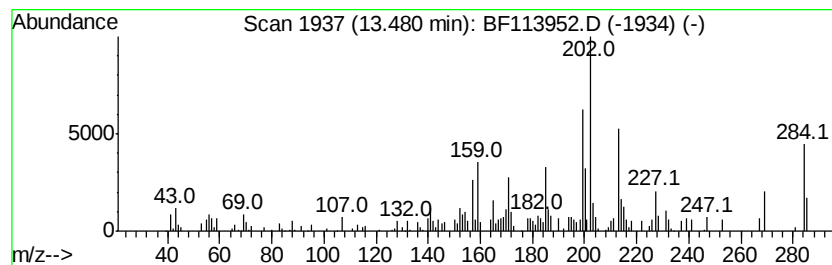
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.63 ng	150441	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	56
2		4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	22
3		4-Hydroxyamino-6-phenylpyrimidin...	202	C10H10N4O	1000111-25-2	20
4		Fluoren-9-one, 9a-hydroxy-1,2,3,...	202	C13H14O2	1000160-37-9	18
5		3-Methoxy-5-naphthoic acid	202	C12H10O3	007498-58-0	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

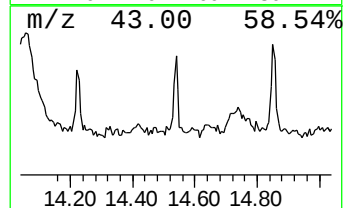
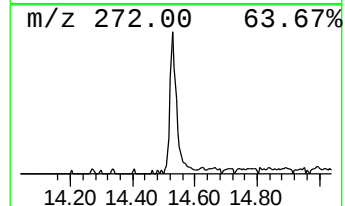
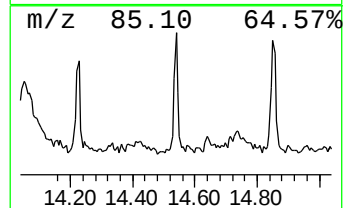
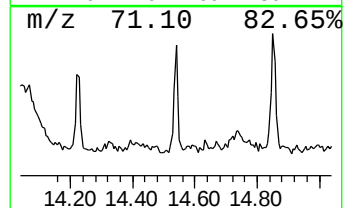
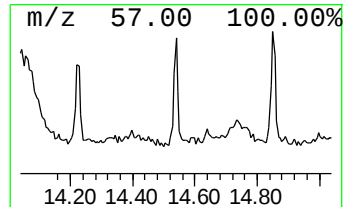
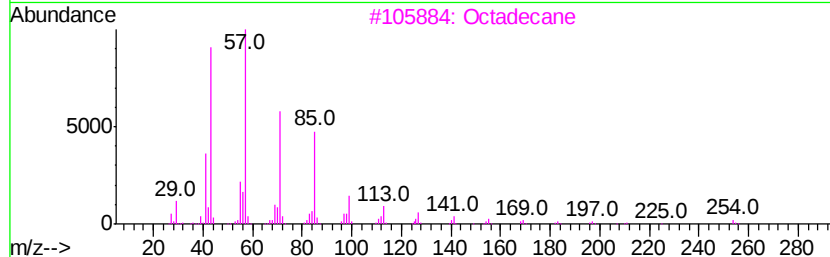
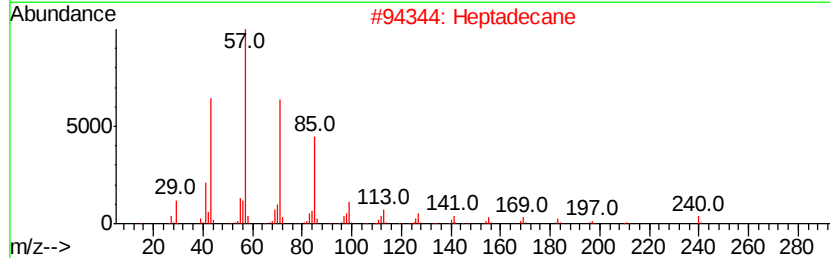
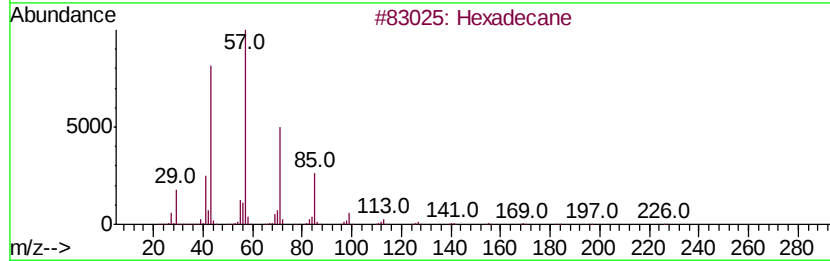
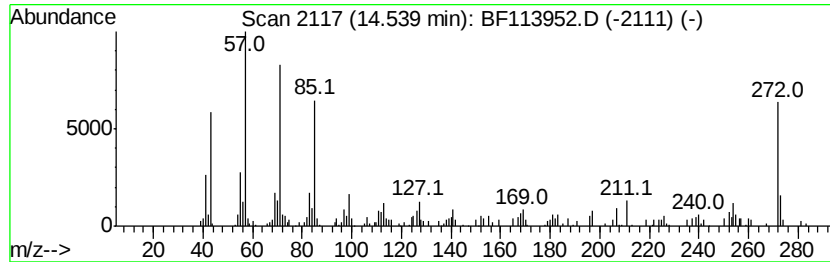
Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.54	2.56 ng	146480	Chrysene-d12		14.06
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Heptadecane	240	C17H36	000629-78-7	90
3	Octadecane	254	C18H38	000593-45-3	49
4	Triacontane	422	C30H62	000638-68-6	49
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113952.D
Acq On : 24 Apr 2019 11:12
Operator : JU/SJ
Sample : K2526-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROLLOFFS

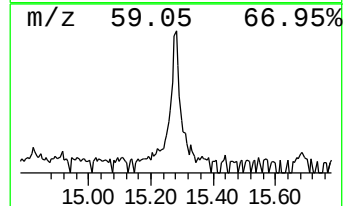
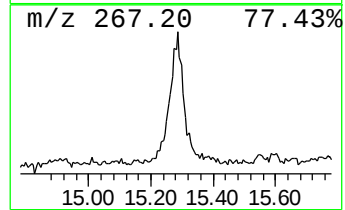
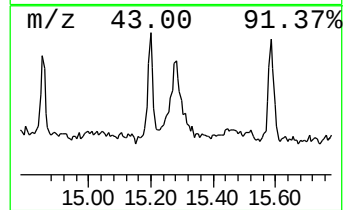
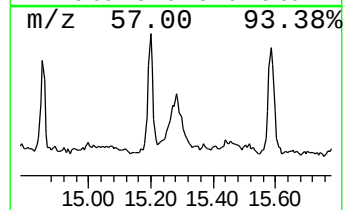
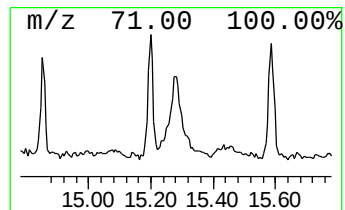
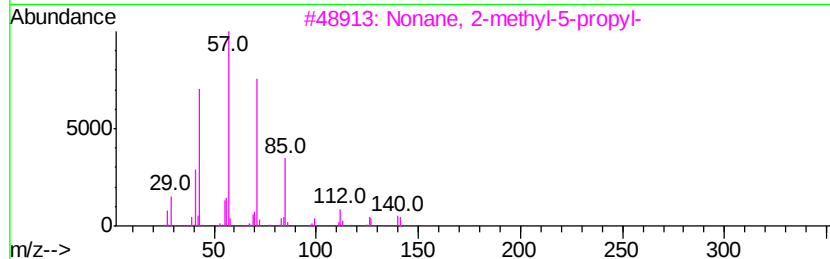
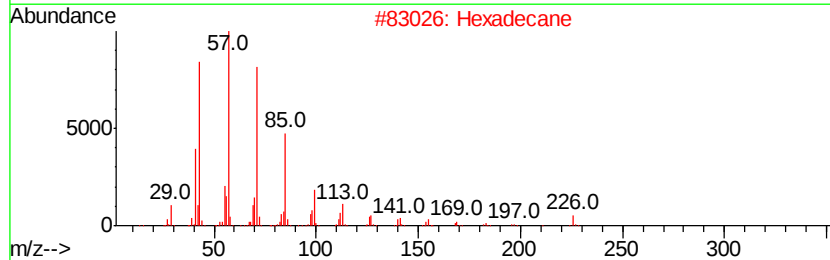
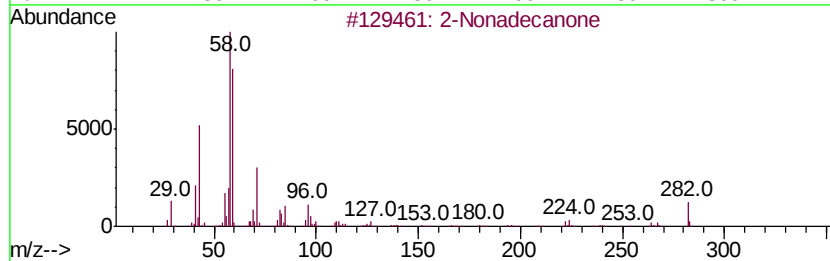
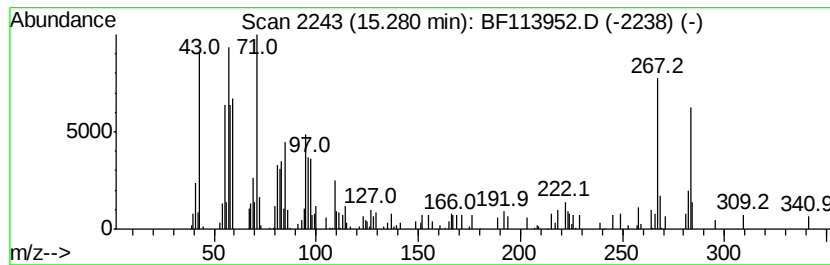
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown15.28 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	4.71 ng	220178	Perylene-d12	15.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Nonadecanone	282	C19H38O	000629-66-3	38
2			Hexadecane	226	C16H34	000544-76-3	35
3			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	14
4			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	14
5			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042419\
 Data File : BF113952.D
 Acq On : 24 Apr 2019 11:12
 Operator : JU/SJ
 Sample : K2526-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-ROLLOFFS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.67	6.67	83.5	ng	3252020	1	6.90	779128	20.0
Octane, 2,6-dimet...	8.60	2.8	ng	142600	2	8.17	1006800	20.0
4H-Imidazol-4-one...	8.75	5.0	ng	253164	2	8.17	1006800	20.0
trans-3-Methyl-4-...	8.95	6.0	ng	302827	2	8.17	1006800	20.0
Tritetracontane	9.33	3.4	ng	185880	3	9.93	1090310	20.0
Naphthalene, 2,3,...	10.13	2.5	ng	136477	3	9.93	1090310	20.0
unknown10.19	10.19	2.8	ng	150002	3	9.93	1090310	20.0
unknown10.34	10.34	2.5	ng	138482	3	9.93	1090310	20.0
Pentadecane, 2,6,...	10.59	7.5	ng	410711	3	9.93	1090310	20.0
Sulfurous acid, 2...	10.85	12.9	ng	752127	4	11.42	1166380	20.0
2-Propenal, 3-(4-...	11.06	2.6	ng	151402	4	11.42	1166380	20.0
Tridecane	11.32	7.1	ng	416563	4	11.42	1166380	20.0
n-Hexadecanoic acid	11.96	53.7	ng	3131730	4	11.42	1166380	20.0
Scopoletin	12.08	2.9	ng	167825	4	11.42	1166380	20.0
Methyl stearate	12.60	2.9	ng	166690	4	11.42	1166380	20.0
Octadecanoic acid	12.75	67.2	ng	3850470	5	14.06	1145830	20.0
4,4'-Bis(tetrahyd...	13.48	2.6	ng	150441	5	14.06	1145830	20.0
Hexadecane	14.54	2.6	ng	146480	5	14.06	1145830	20.0
unknown15.28	15.28	4.7	ng	220178	6	15.55	935773	20.0