LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

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-BF122419.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	5.051	500	504	519	rVB	341874	439309	14.07%	0.878%
2	5.463	570	574	599	rBV	2286369	2446365	78.36%	4.887%
3	6.487	744	748	766	rBV	2600783	2709856	86.80%	5.413%
4	6.616	766	770	774	rBV	2907993	2778441	89.00%	5.550%
5	6.845	806	809	816	rBV	848668	704331	22.56%	1.407%
6	7.004	832	836	839	rBV	2413504	2110043	67.59%	4.215%
7	7.269	876	881	896	rBV	75239	149600	4.79%	0.299%
8	7.416	901	906	914	rBV	1586560	1623594	52.01%	3.243%
9	7.875	981	984	989	rBV	62992	54794	1.76%	0.109%
10	7.928	989	993	996	rBV2	23981	39179	1.25%	0.078%
11	8.134	1024	1028	1031	rBV	1005233	899278	28.81%	1.796%
12	8.498	1084	1090	1096	rBV4	33116	60581	1.94%	0.121%
13	8.598	1104	1107	1109	rBV	41442	39200	1.26%	0.078%
14	9.210	1207	1211	1214	rBV	3893871	3121923	100.00%	6.236%
15	9.481	1254	1257	1262	rVB2	39387	48261	1.55%	0.096%
16	9.545	1266	1268	1272	rVV3	110649	123196	3.95%	0.246%
17	9.604	1276	1278	1282	rVB	214074	170257	5.45%	0.340%
18	9.645	1282	1285	1287	rBV2	69020	62821	2.01%	0.125%
19	9.892	1324	1327	1330	rBV	1265295	1091850	34.97%	2.181%
20	9.922	1330	1332	1336	rVV2	126346	131420	4.21%	0.263%
21	9.963	1336	1339	1342	rVB4	84824	81579	2.61%	0.163%
22	10.010	1342	1347	1351	rBV2	151175	186005	5.96%	0.372%
23	10.045	1351	1353	1359	rVB2	45460	46992	1.51%	0.094%
24	10.098	1359	1362	1366	rBV3	82953	97082	3.11%	0.194%
25	10.139	1366	1369	1371	rVV	55002	56320	1.80%	0.113%
26	10.186	1374	1377	1379	rVB	62493	49781	1.59%	0.099%
27	10.286	1391	1394	1398	rBV5	32617	62831	2.01%	0.126%
28	10.445	1418	1421	1425	rBV	99232	104341	3.34%	0.208%
29	10.492	1426	1429	1430	rBV2	50601	46706	1.50%	0.093%
30	10.604	1444	1448	1449	rBV2	53196	58307	1.87%	0.116%
31	10.663	1454	1458	1459	rBV3	74837	83917	2.69%	0.168%
32	10.692	1459	1463	1466	rVV	2232157	2074486	66.45%	4.144%
33	10.716	1466	1467	1471	rVV3	85393	74987	2.40%	0.150%
34	10.751	1471	1473	1477	rVB2	46414	42009	1.35%	0.084%

LSC Area Percent Report

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Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.804	1477	1482	1489	rVB3	109506	157326	5.04%	0.314%
36	10.857	1489	1491	1493	rBV2	61500	62498	2.00%	0.125%
37	11.051	1522	1524	1527	rBV3	55677	67817	2.17%	0.135%
38	11.104	1530	1533	1538	rBV5	95608	118205	3.79%	0.236%
39	11.239	1553	1556	1559	rVV4	47334	53673	1.72%	0.107%
40	11.286	1561	1564	1570	rVB	63834	70211	2.25%	0.140%
41	11.386	1575	1581	1583	rBV	1193966	1113805	35.68%	2.225%
42	11.410	1583	1585	1588	rVV	1065557	971757	31.13%	1.941%
43	11.463	1591	1594	1597	rBV	256559	217167	6.96%	0.434%
44	11.522	1602	1604	1607	rVB	125170	94819	3.04%	0.189%
45	11.627	1617	1622	1627	rBV3	57741	114847	3.68%	0.229%
46	11.769	1643	1646	1649	rVB	115972	105397	3.38%	0.211%
47	11.869	1660	1663	1665	rBV	107957	99829	3.20%	0.199%
48	11.892	1665	1667	1668	rVV	221570	160402	5.14%	0.320%
49	11.916	1668	1671	1678	rVV2	891999	946501	30.32%	1.891%
50	11.969	1678	1680	1682	rVV	101115	79793	2.56%	0.159%
51	12.004	1682	1686	1688	rVV	255904	277329	8.88%	0.554%
52	12.027	1688	1690	1693	rVB	163095	130903	4.19%	0.261%
53	12.080	1696	1699	1702	rBV	198458	177822	5.70%	0.355%
54	12.157	1710	1712	1715	rBV3	44744	58962	1.89%	0.118%
55	12.186	1715	1717	1722	rVV	106360	104789	3.36%	0.209%
56	12.369	1744	1748	1750	rVB3	57067	64775	2.07%	0.129%
57	12.392	1750	1752	1756	rVB2	64586	63518	2.03%	0.127%
58	12.457	1756	1763	1765	rBV3	299478	490032	15.70%	0.979%
59	12.480	1765	1767	1769	rVV3	446521	356184	11.41%	0.712%
60	12.527	1773	1775	1780	rBV2	321551	404134	12.95%	0.807%
61	12.563	1780	1781	1785	rVB	67882	59838	1.92%	0.120%
62	12.610	1785	1789	1798	rBV	1360368	1583035	50.71%	3.162%
63	12.698	1801	1804	1809	rVV2	192103	191663	6.14%	0.383%
64	12.839	1823	1828	1831	rBV	1034136	1012378	32.43%	2.022%
65	12.892	1834	1837	1841	rVB2	95890	115404	3.70%	0.231%
66	12.980	1847	1852	1855	rBV	2823412	2621587	83.97%	5.237%
67	13.004	1855	1856	1859	rVB2	57123	40773	1.31%	0.081%
68	13.063	1862	1866	1873	rVB4	70608	123322	3.95%	0.246%
69	13.169	1877	1884	1887	rBV	159763	297589	9.53%	0.594%
70	13.233	1893	1895	1898	rBV	79112	69323	2.22%	0.138%
71	13.274	1899	1902	1904	rBV2	94569	85998	2.75%	0.172%

LSC Area Percent Report

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Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.368	1915	1918	1921	rBV2	139509	157378	5.04%	0.314%
73	13.404	1921	1924	1929	rVV4	204866	335521	10.75%	0.670%
74	13.474	1934	1936	1943	rVB	148894	160611	5.14%	0.321%
75	13.539	1945	1947	1950	rVB	75959	59796	1.92%	0.119%
76	13.686	1970	1972	1975	rVB	77408	60169	1.93%	0.120%
77	13.792	1988	1990	1992	rBV	86470	73709	2.36%	0.147%
78	13.868	2000	2003	2010	rVB3	578491	694153	22.23%	1.387%
79	13.957	2015	2018	2023	rBV2	122144	157070	5.03%	0.314%
80	14.045	2028	2033	2035	rBV2	954216	1263562	40.47%	2.524%
81	14.068	2035	2037	2040	rVB	390016	298882	9.57%	0.597%
82	14.186	2054	2057	2065	rBV2	186626	236466	7.57%	0.472%
83	14.433	2097	2099	2102	rVB	96039	74949	2.40%	0.150%
84	14.492	2106	2109	2118	rBV2	511827	785238	25.15%	1.569%
85	14.757	2151	2154	2157	rBV4	100122	103799	3.32%	0.207%
86	14.804	2159	2162	2164	rVB	246555	238421	7.64%	0.476%
87	14.880	2171	2175	2181	rVB	467284	515360	16.51%	1.030%
88	15.098	2208	2212	2215	rBV	322812	476694	15.27%	0.952%
89	15.145	2216	2220	2223	rVV	1364185	1497839	47.98%	2.992%
90	15.174	2223	2225	2229	rVB3	89791	96406	3.09%	0.193%
91	15.410	2261	2265	2270	rBV2	253405	327880	10.50%	0.655%
92	15.468	2272	2275	2280	rVB	223873	265985	8.52%	0.531%
93	15.533	2281	2286	2290	rBV2	769244	1037351	33.23%	2.072%
94	15.968	2355	2360	2366	rVB	887070	1326412	42.49%	2.650%
95	16.033	2367	2371	2380	rVB3	139119	284053	9.10%	0.567%
96	16.251	2404	2408	2414	rVB	226641	389018	12.46%	0.777%
97	17.045	2538	2543	2546	rBV	120789	236268	7.57%	0.472%
98	17.615	2631	2640	2641	rBV4	809548	1752357	56.13%	3.501%
99	18.074	2711	2718	2729	rBV3	356199	1307811	41.89%	2.613%
100	18.421	2770	2777	2783	rBV5	388742	1212987	38.85%	2.423%

Sum of corrected areas: 50059192

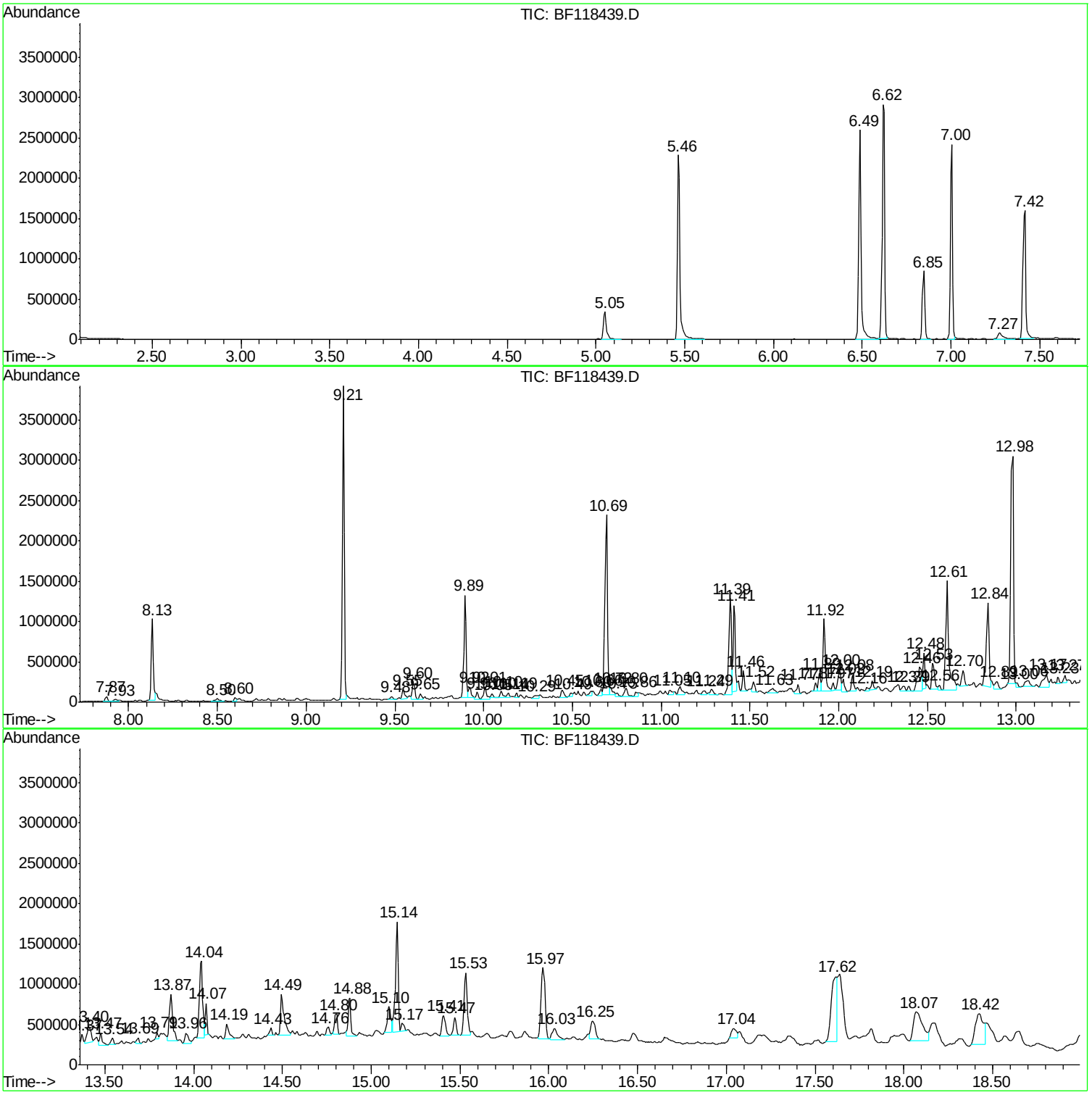
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

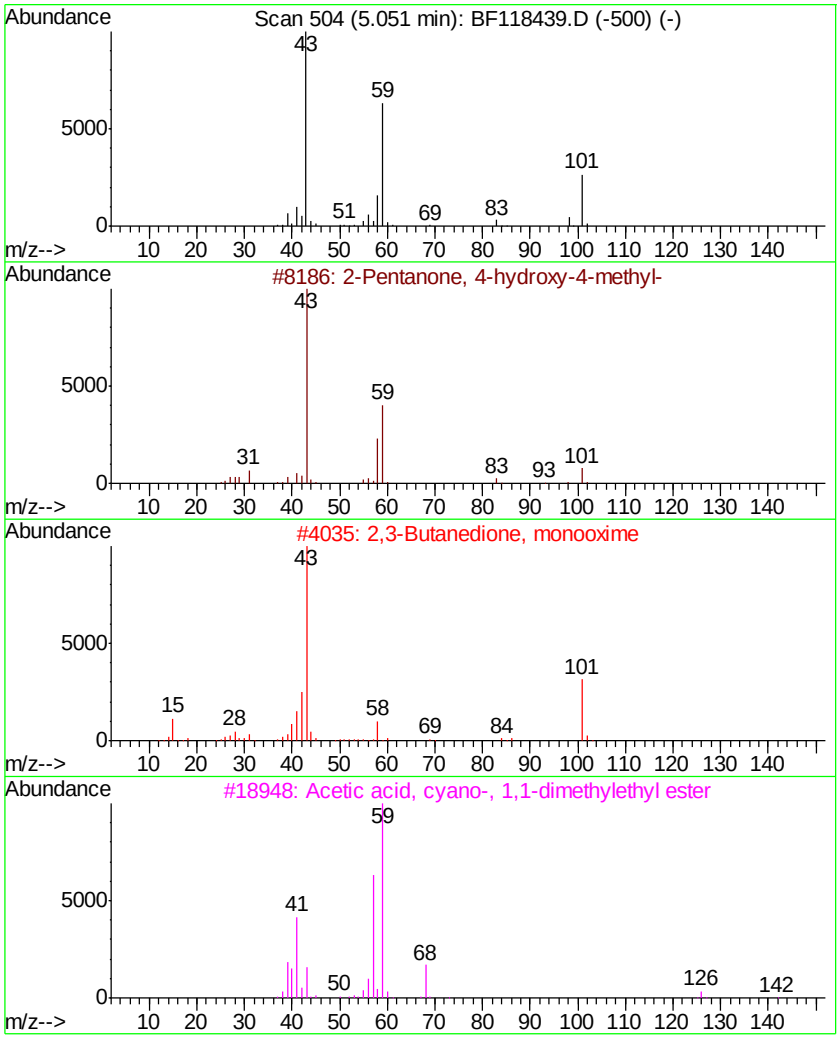
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

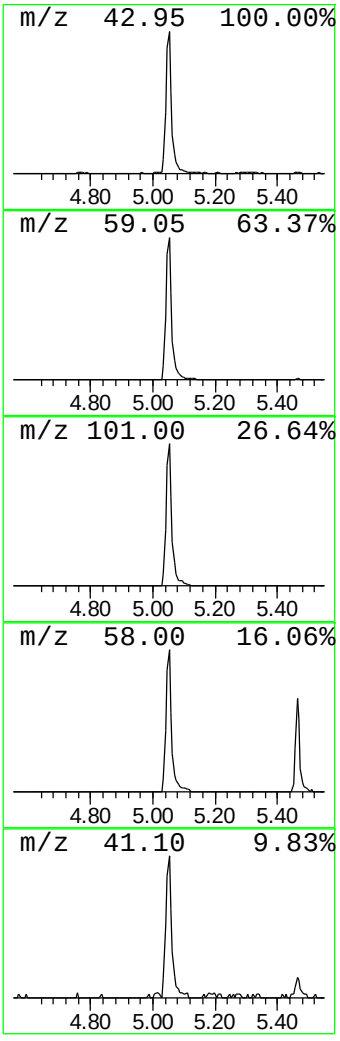
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	12.47 ng	439309	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
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Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

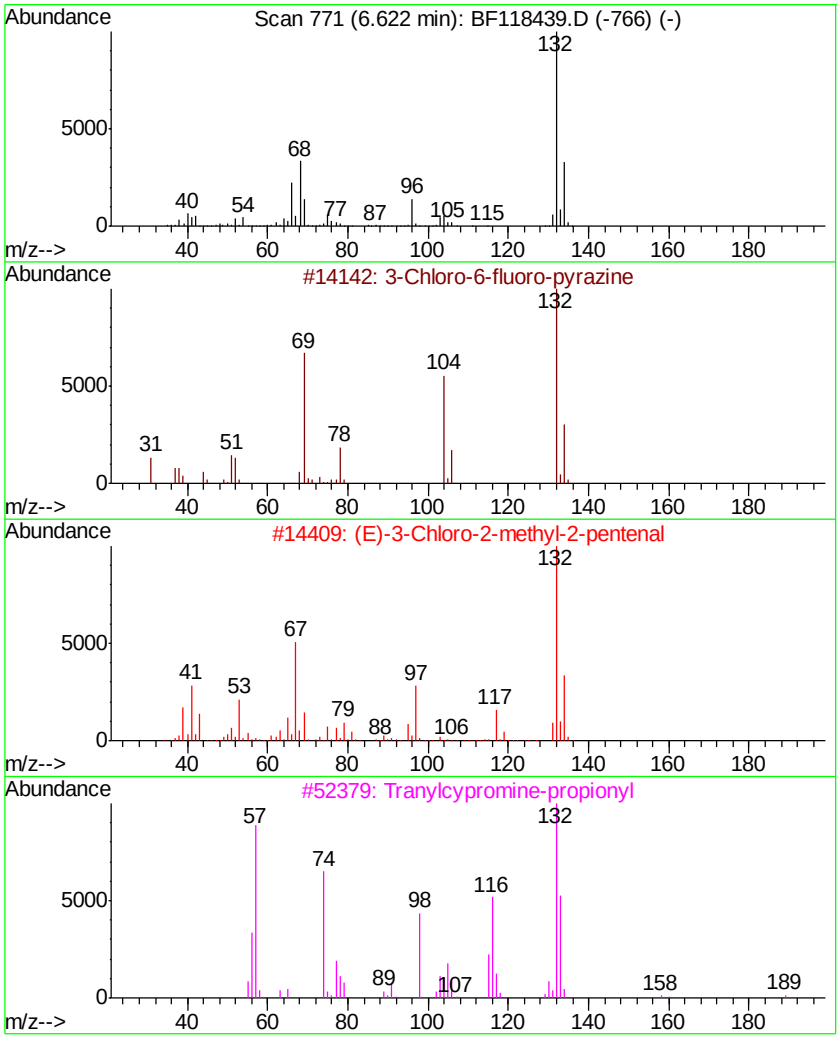
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

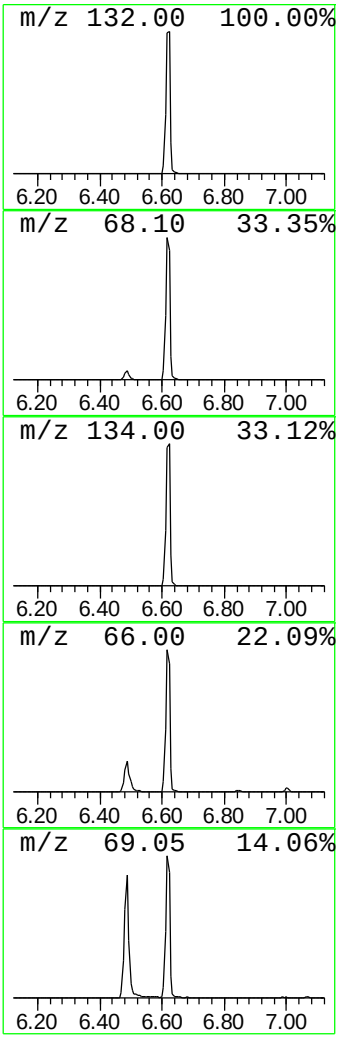
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	78.90 ng	2778440	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
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Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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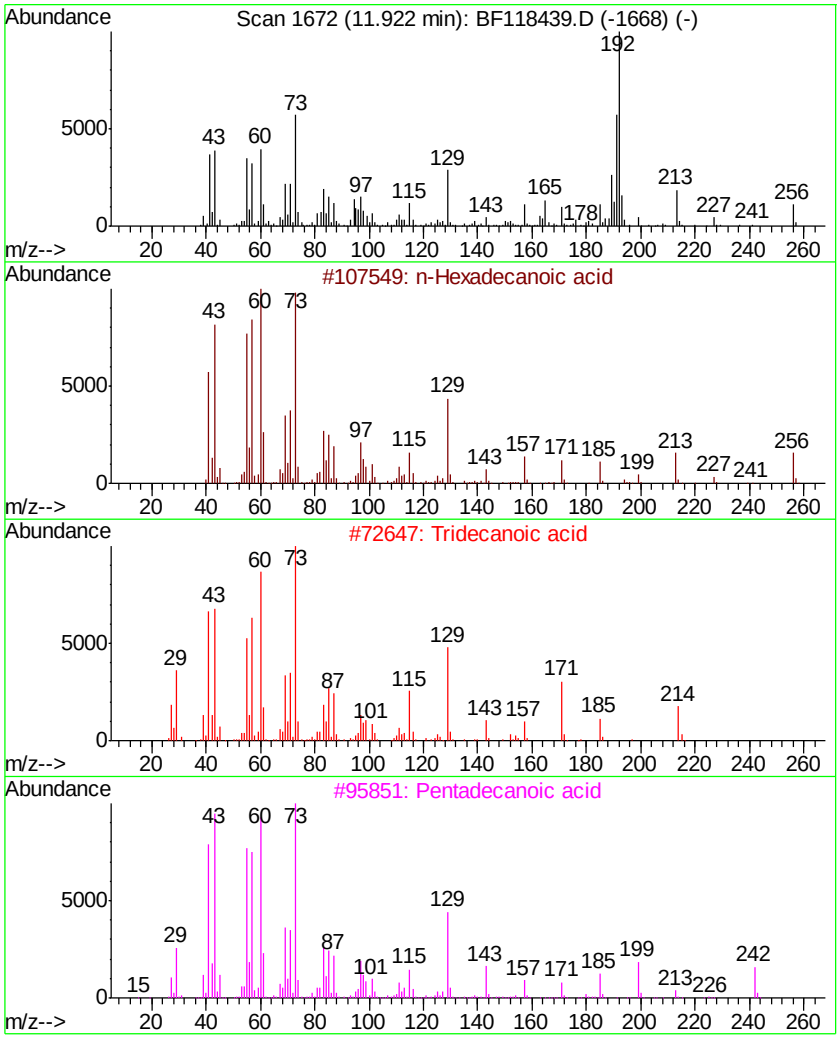
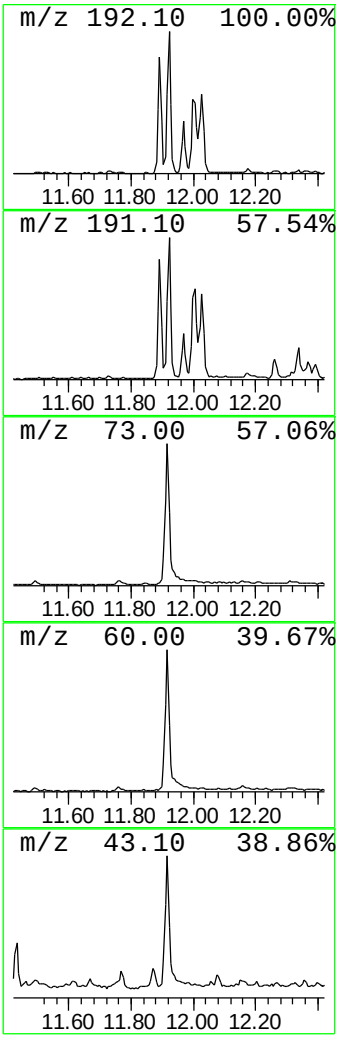
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	17.00 ng	946501	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

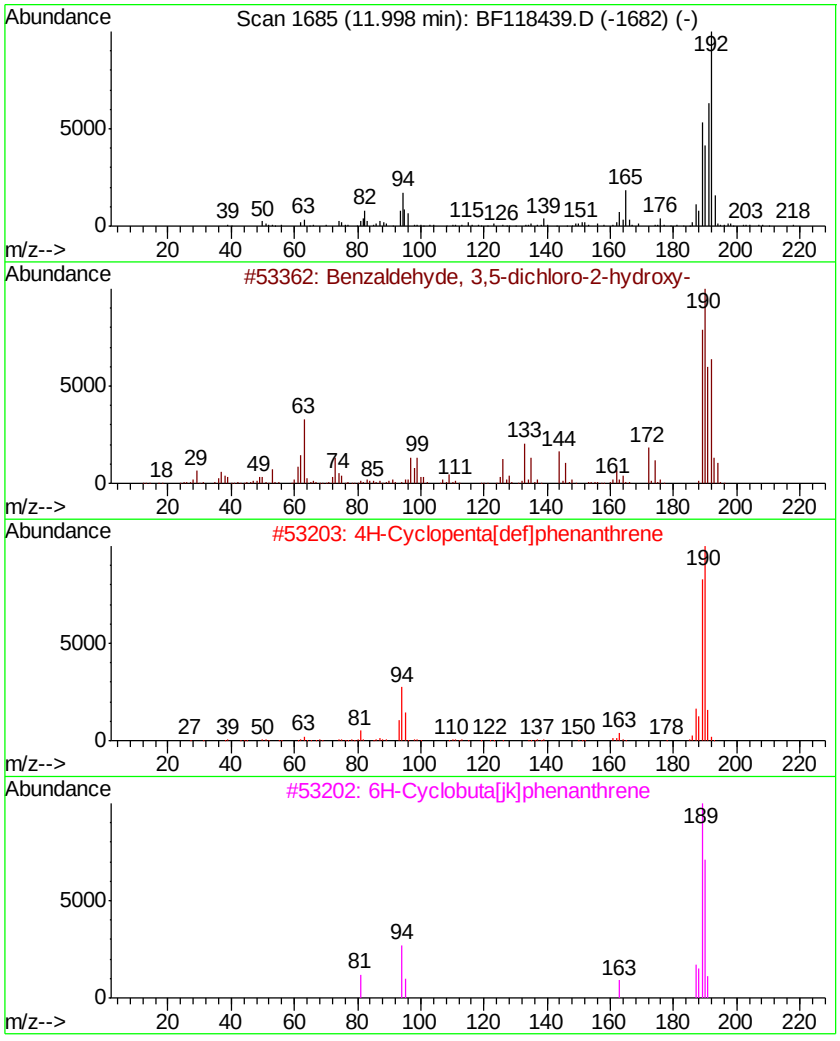
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

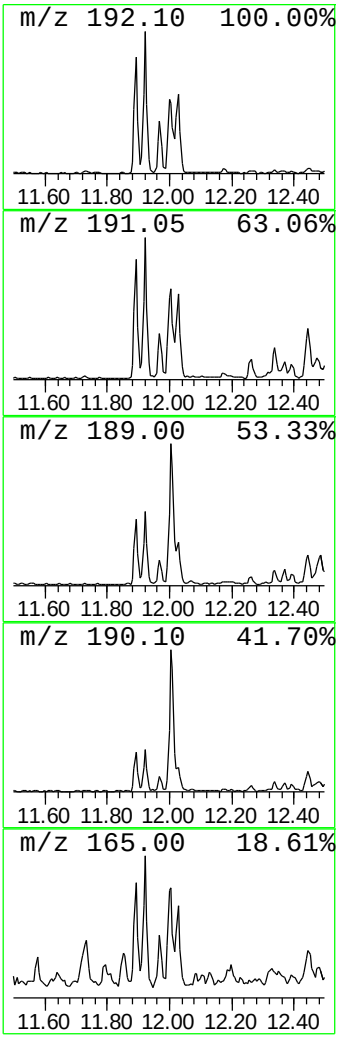
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.98 ng	277329	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

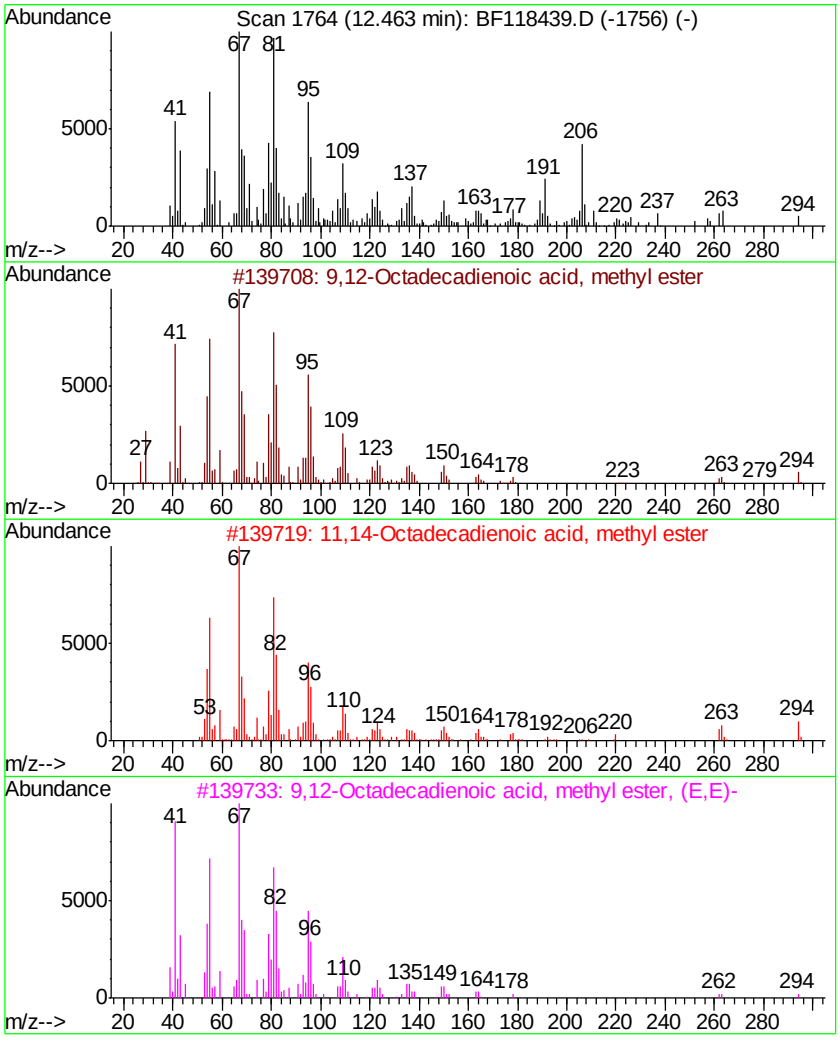
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

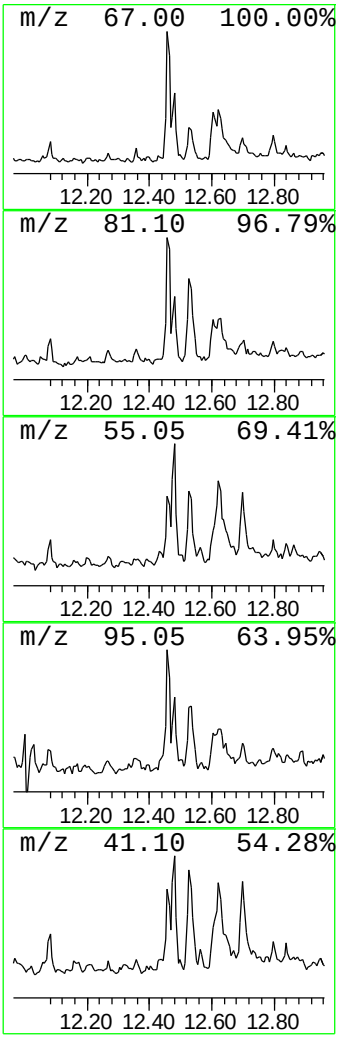
****

Peak Number 6 9,12-Octadecadienoic acid, ... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	8.80 ng	490032	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97
4	E,E-9,11-Hexadecadien-1-ol	238	C16H30O	1000130-90-2	95
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	95





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Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
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Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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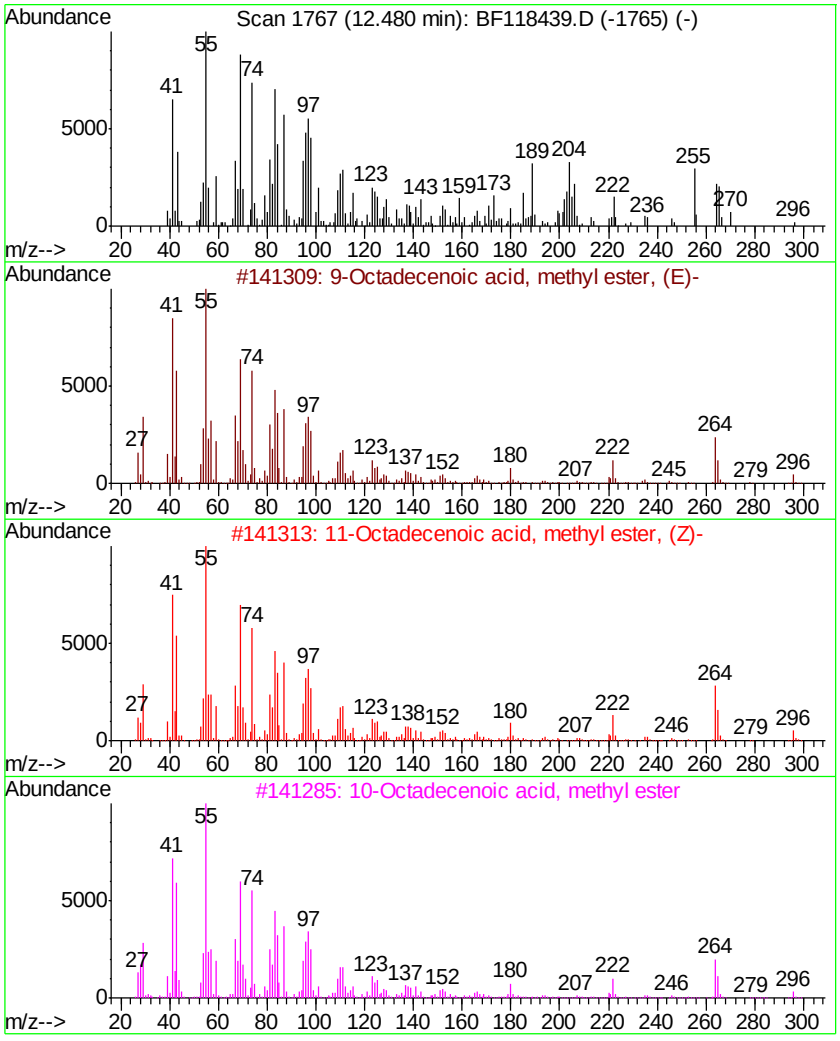
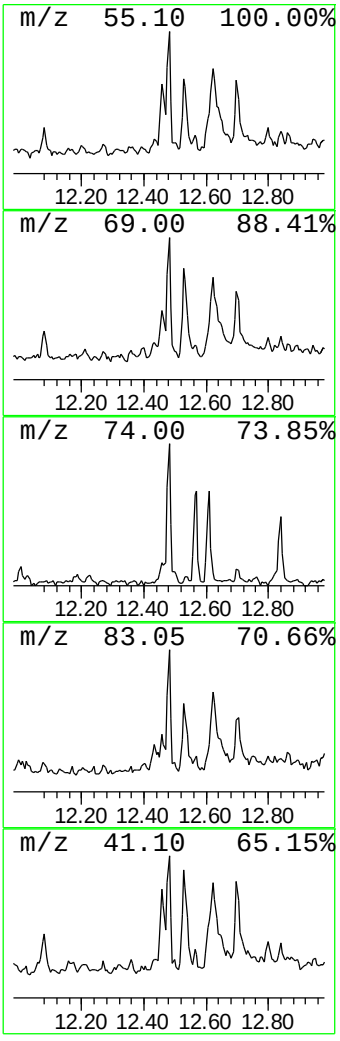
Peak Number 7 9-Octadecenoic acid, methyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	6.40 ng	356184	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98





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Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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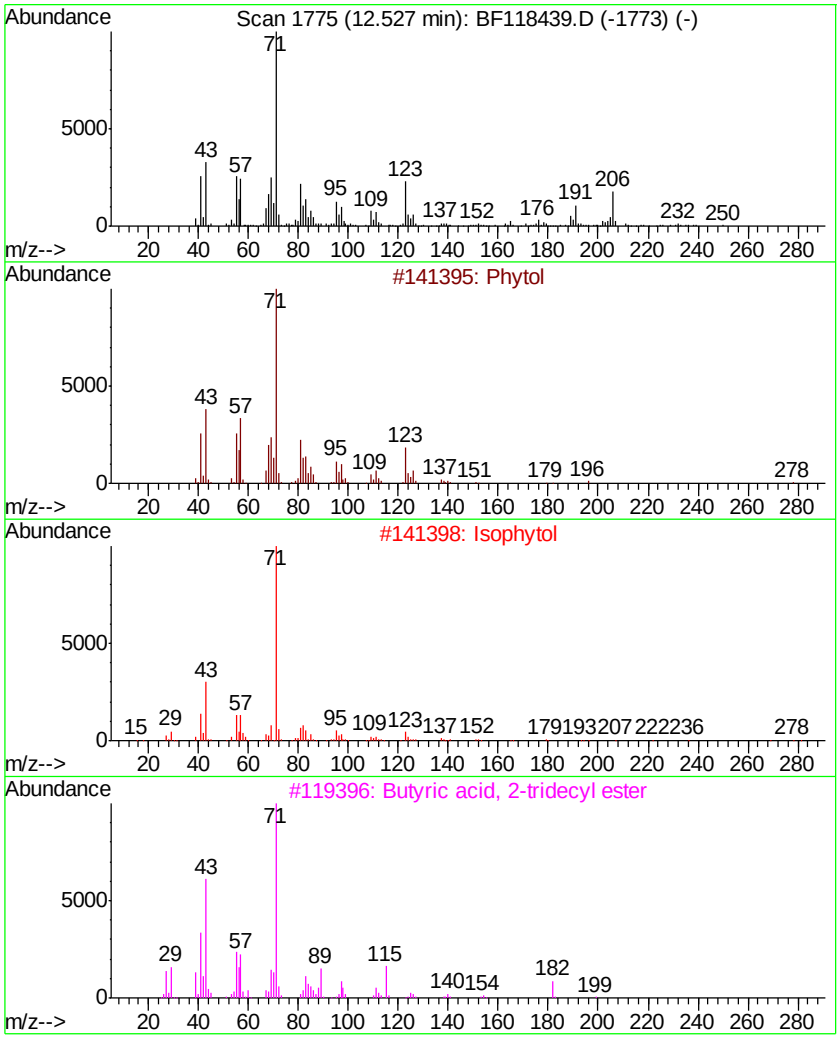
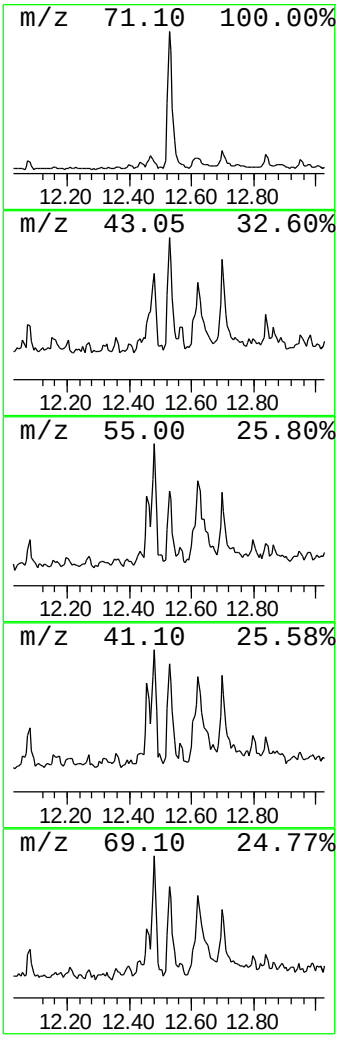
Peak Number 8 Phytol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.26 ng	404134	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	70
2	Isophytol	296	C20H40O	000505-32-8	53
3	Butyric acid, 2-tridecyl ester	270	C17H34O2	055193-07-2	43
4	Butanoic acid, undec-2-enyl ester	240	C15H28O2	1000299-12-5	43
5	Sulfurous acid, 2-pentyl tridecy...	334	C18H38O3S	1000309-16-2	43





Library Search Compound Report

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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : 174-NC-TOPSOIL-001

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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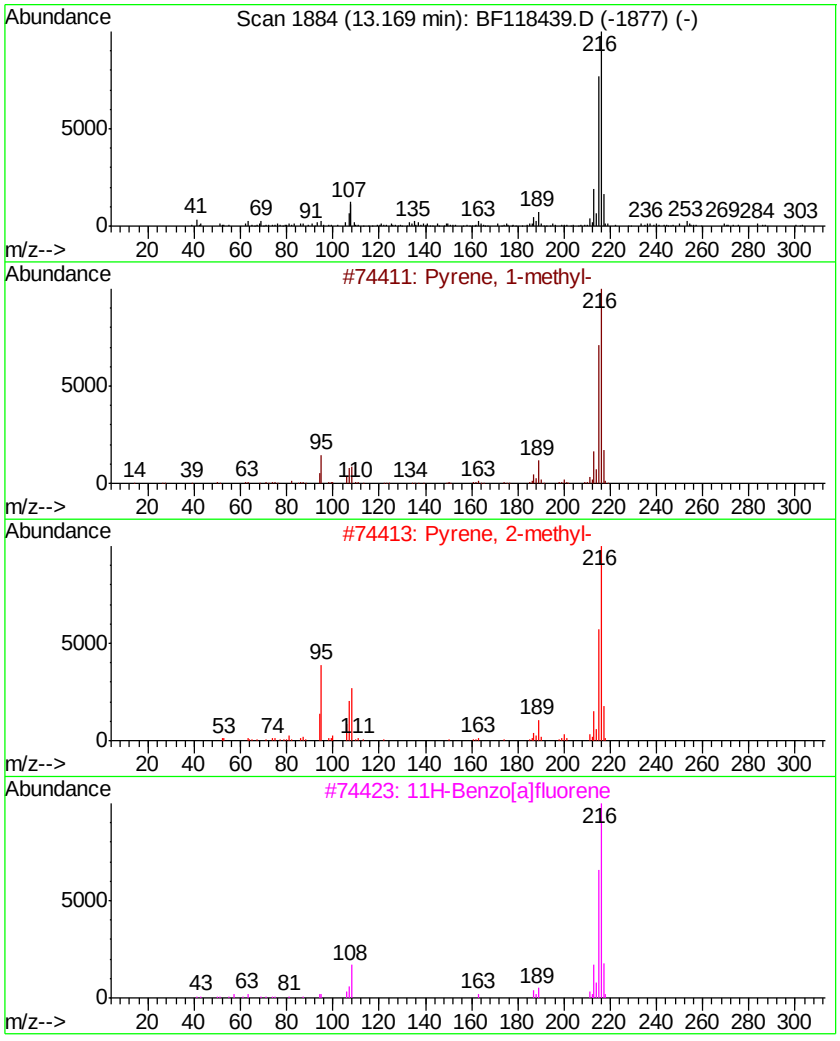
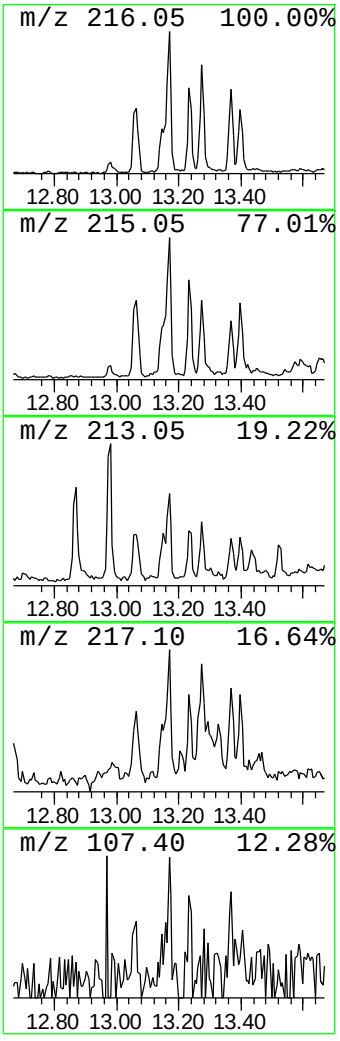
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.71 ng	297589	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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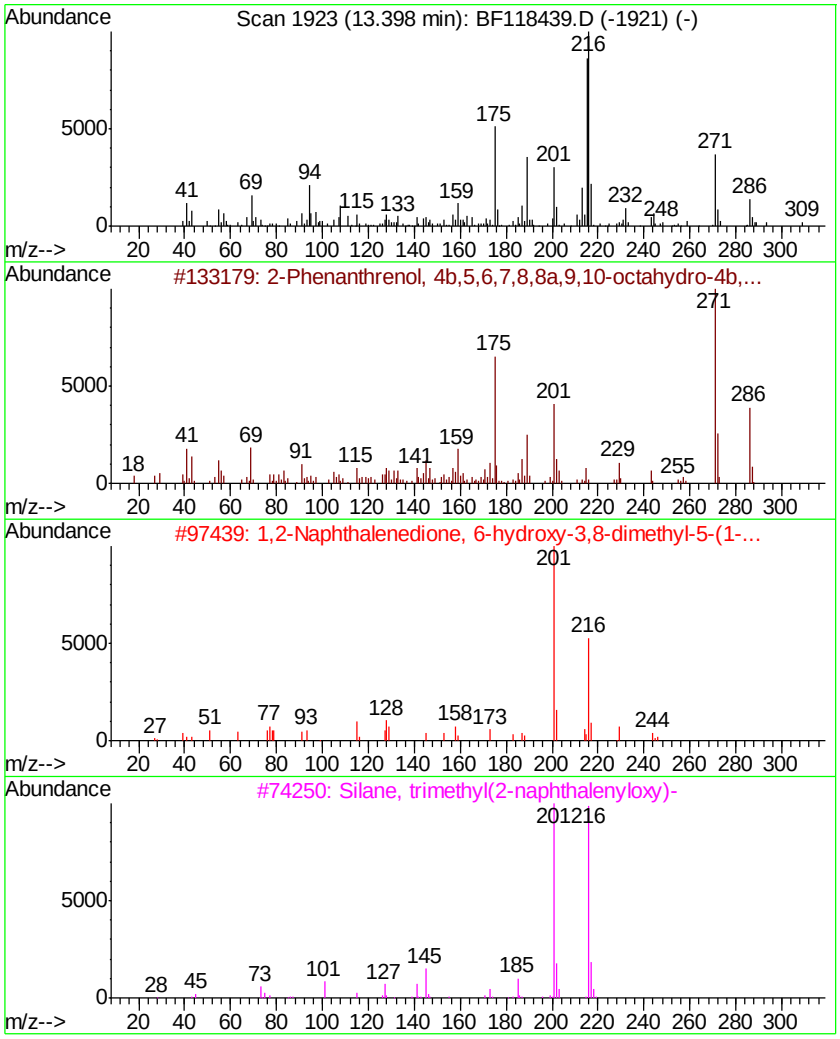
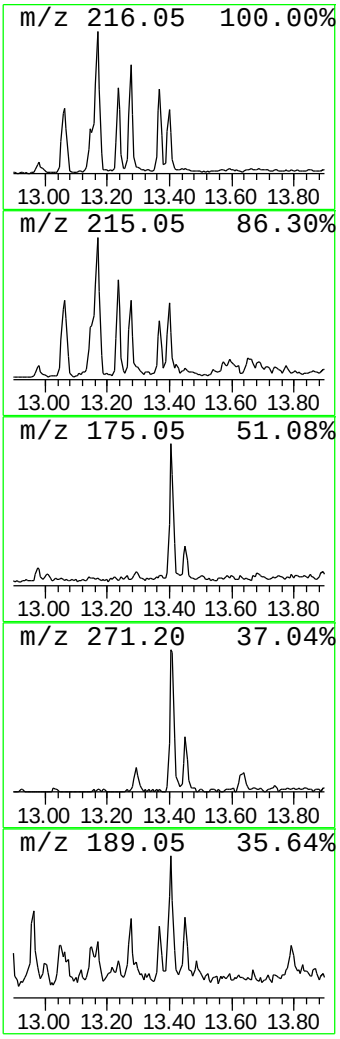
Peak Number 10 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	5.31 ng	335521	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	95
2	1,2-Naphthalenedione, 6-hydroxy-...	244	C15H16O3	007715-96-0	44
3	Silane, trimethyl(2-naphthalenyl...	216	C13H16OSi	018081-08-8	25
4	n-Hexyl-6-methoxy-4-methyl-8-qui...	272	C17H24N2O	083547-16-4	25
5	Crinan-1-one	271	C16H17NO3	098301-98-5	14





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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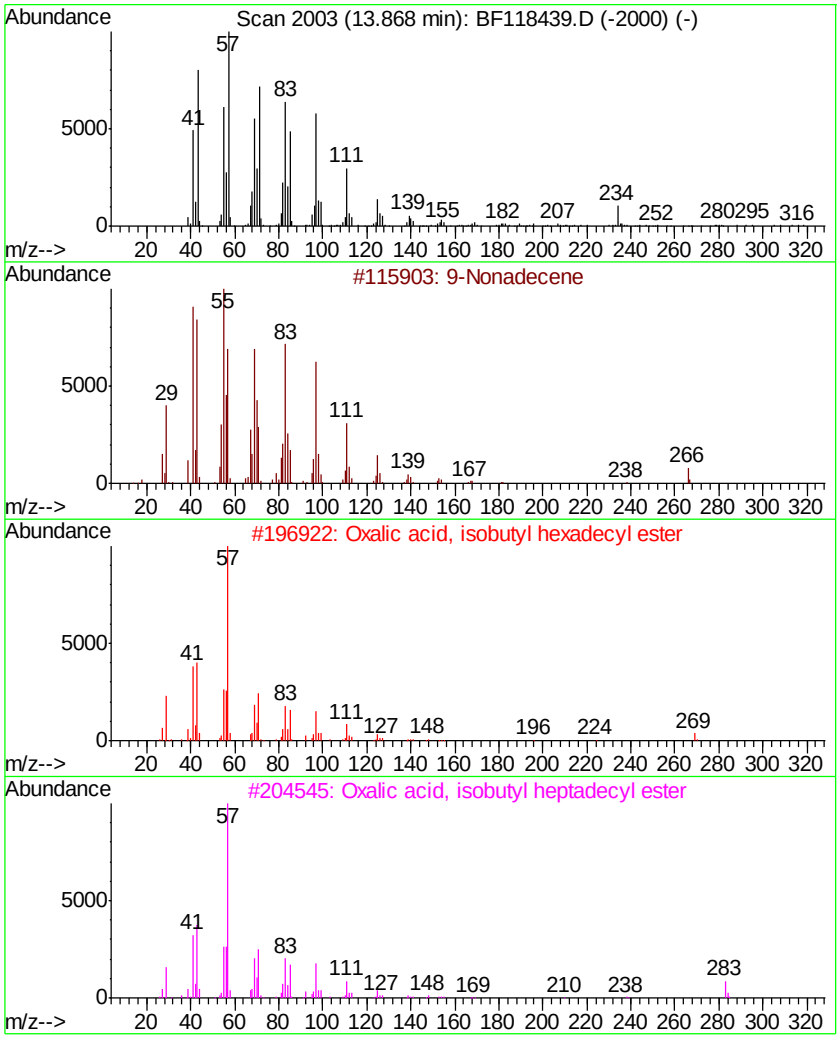
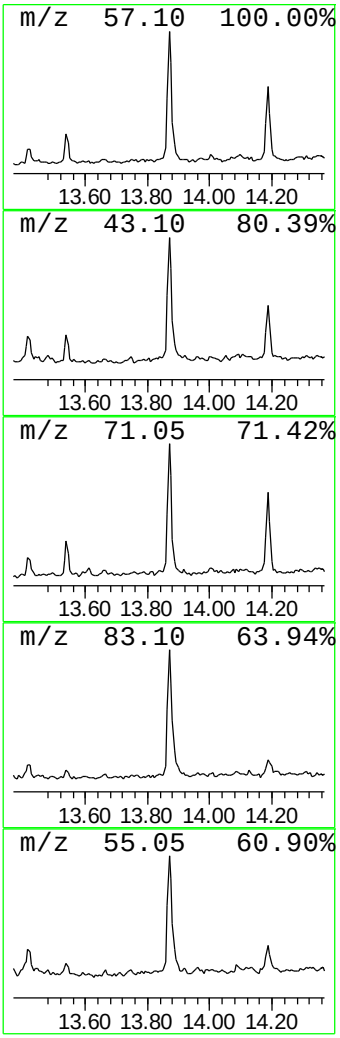
Peak Number 11 9-Nonadecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	10.99 ng	694153	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Nonadecene	266	C19H38	031035-07-1	93
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
3	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	91
4	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	91
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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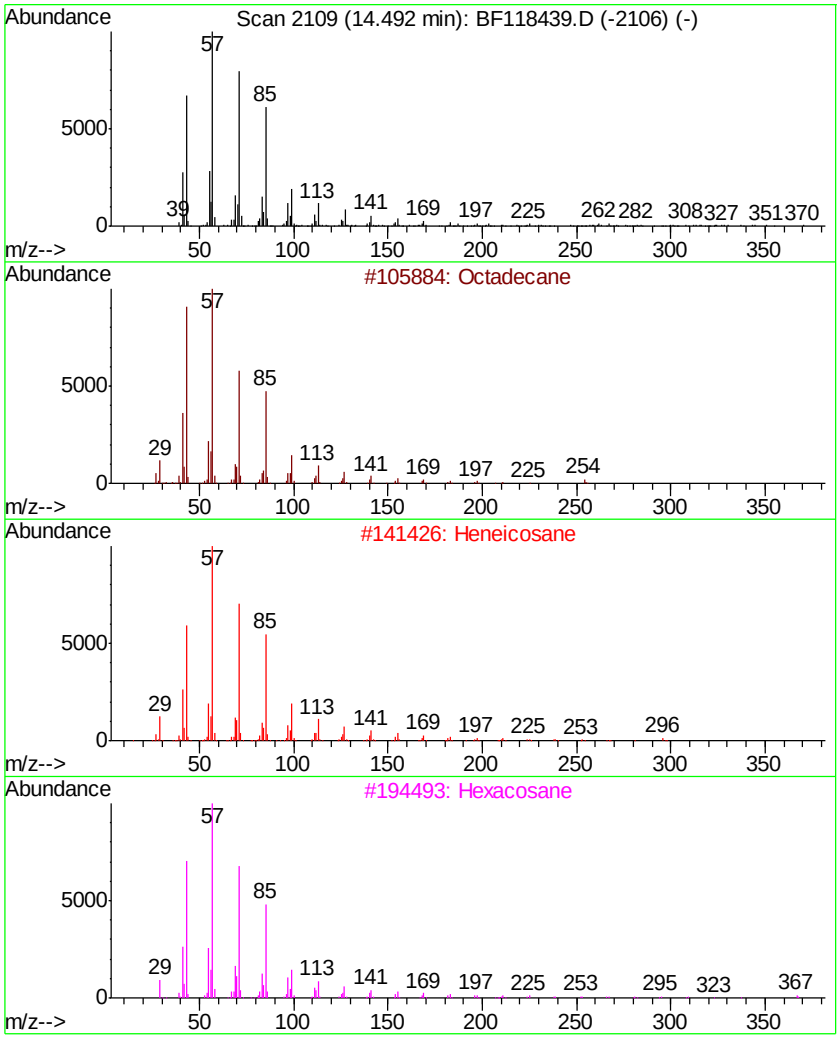
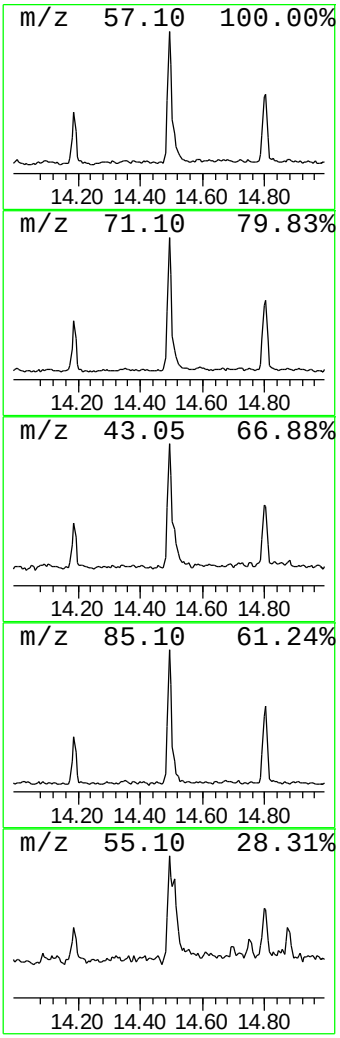
Peak Number 12 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	12.43 ng	785238	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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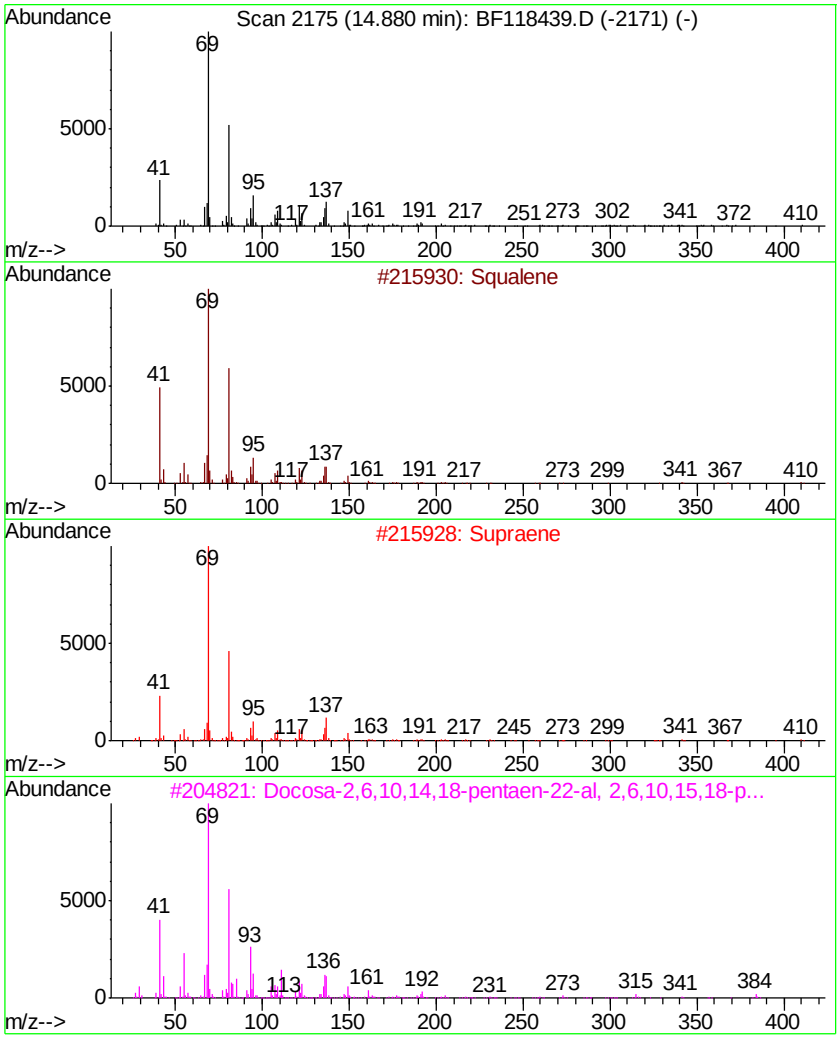
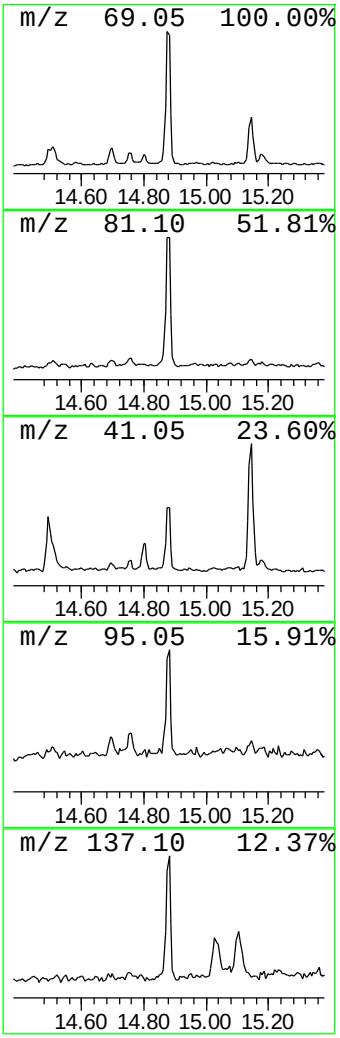
Peak Number 13 Squalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	9.94 ng	515360	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	98
2	Supraene	410	C30H50	007683-64-9	98
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	83
4	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	49
5	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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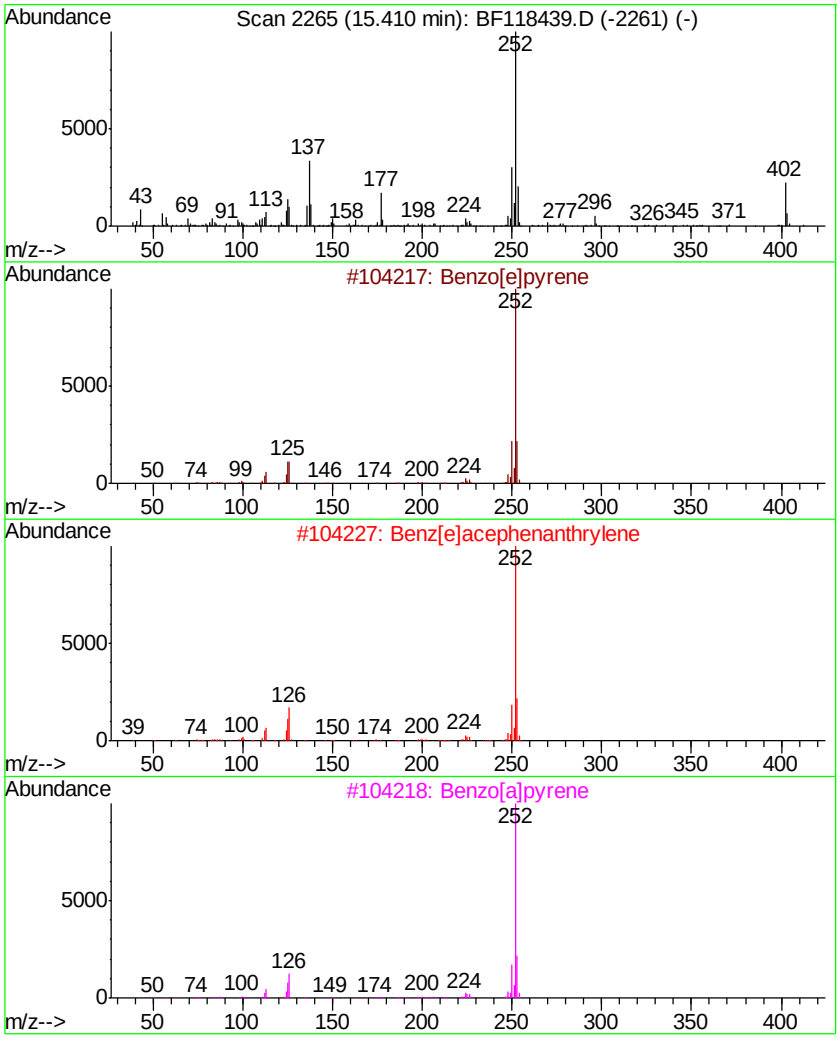
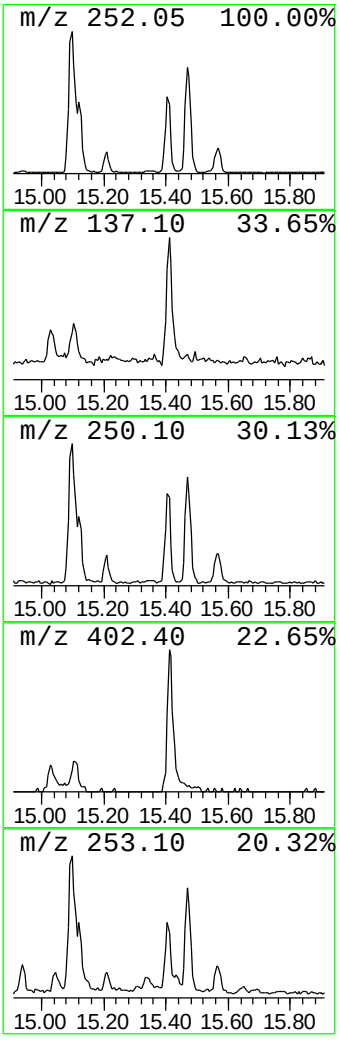
Peak Number 14 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	6.32 ng	327880	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	78
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	78





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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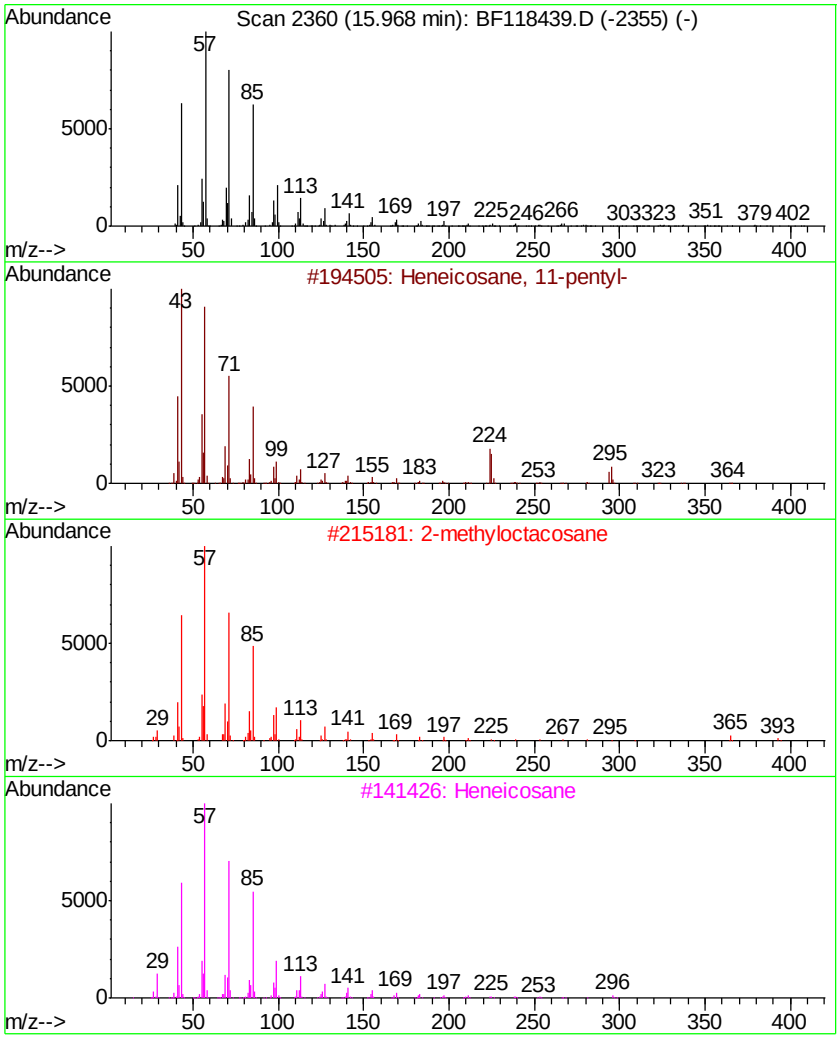
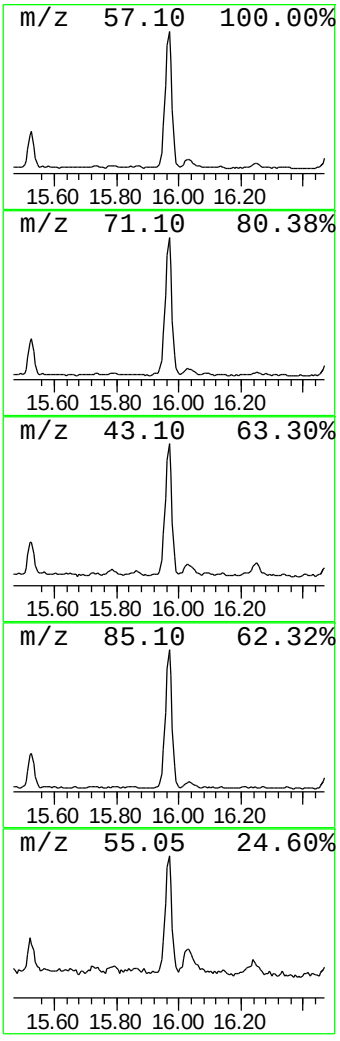
Peak Number 15 Heneicosane, 11-pentyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	25.57 ng	1326410	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Triacontane	422	C30H62	000638-68-6	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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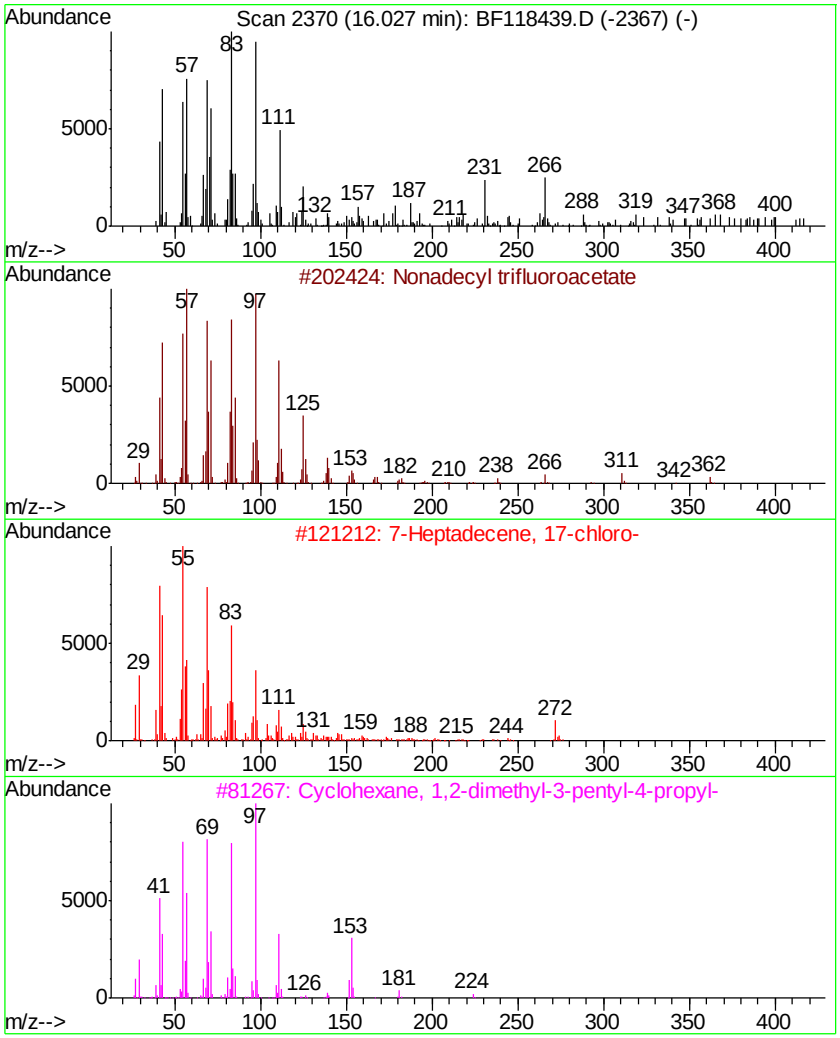
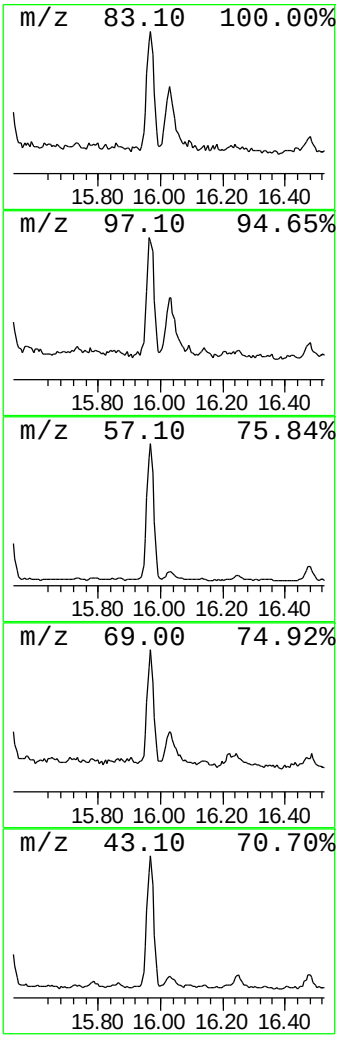
Peak Number 16 Nonadecyl trifluoroacetate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	5.48 ng	284053	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	86
2	7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	78
3	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	76
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	62
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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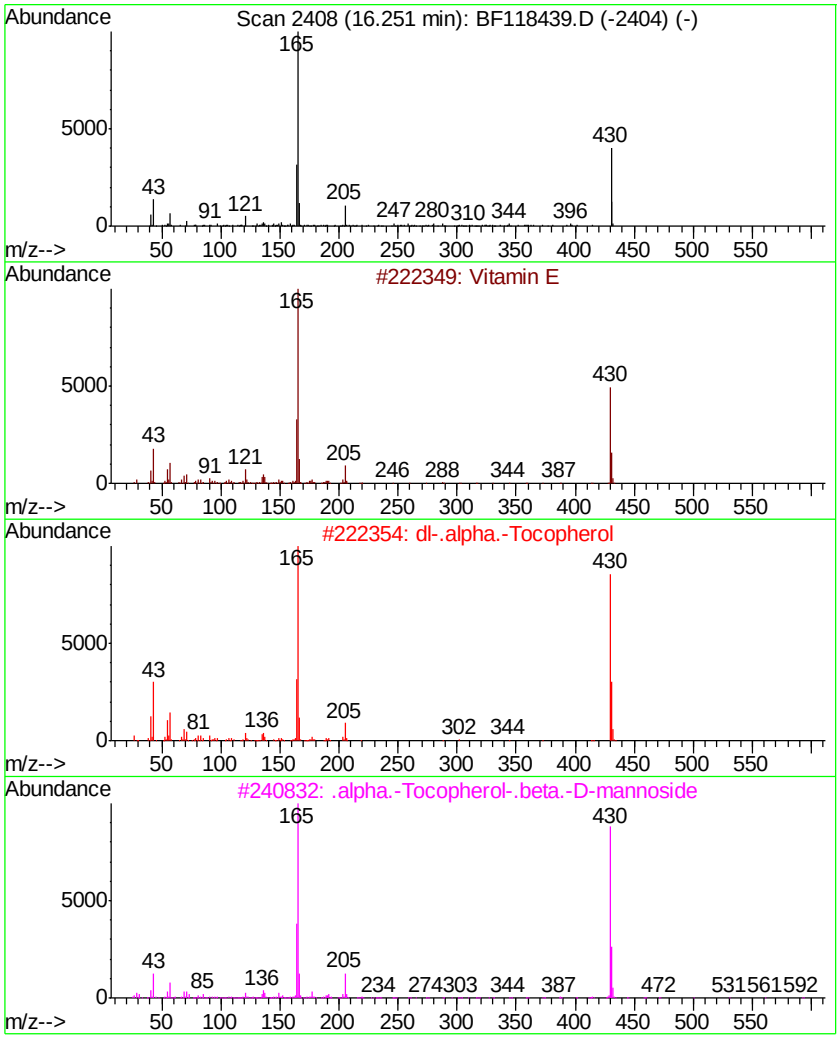
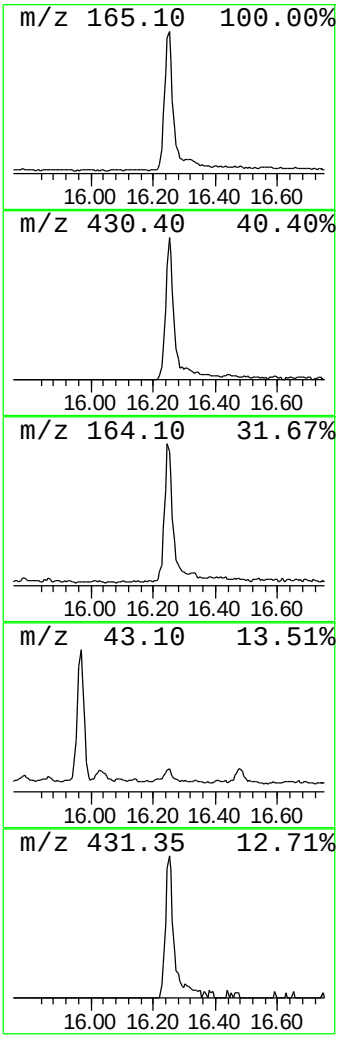
Peak Number 17 Vitamin E Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	7.50 ng	389018	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	000059-02-9	91
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	90
3	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	43
4	(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	41
5	Acetamide, N-(4-bromophenyl)-2-[...	391	C15H11BrClN5O	1000268-25-1	38





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Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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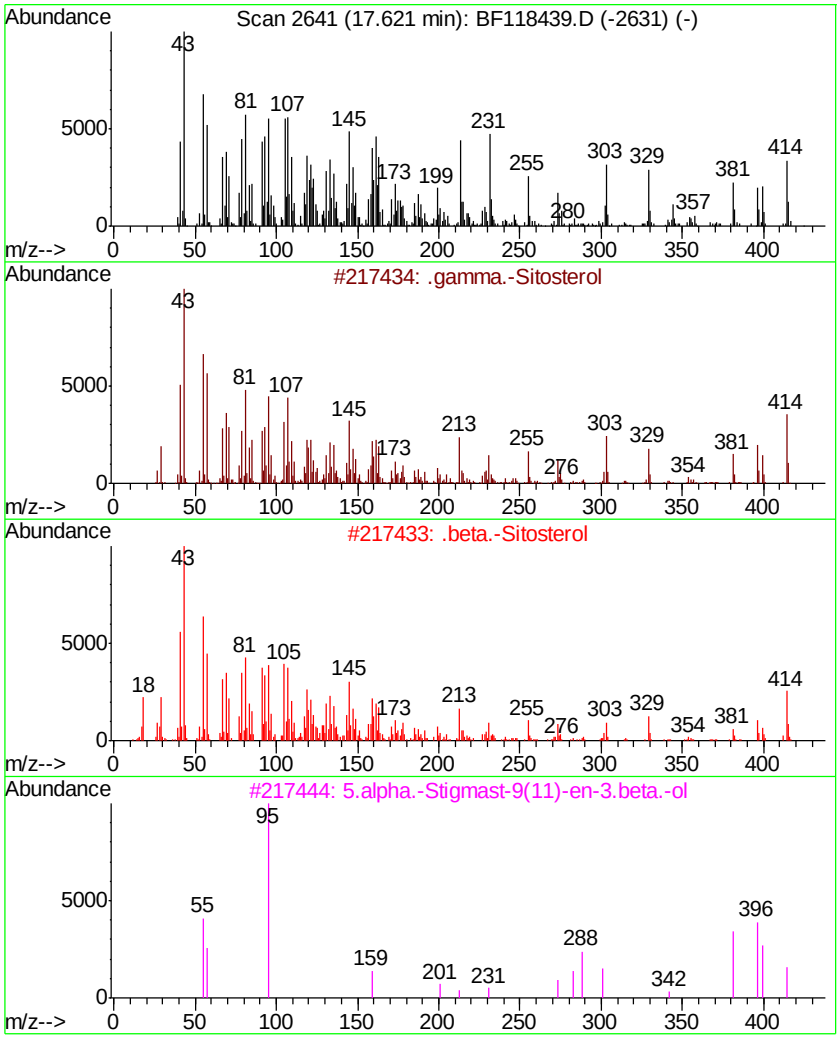
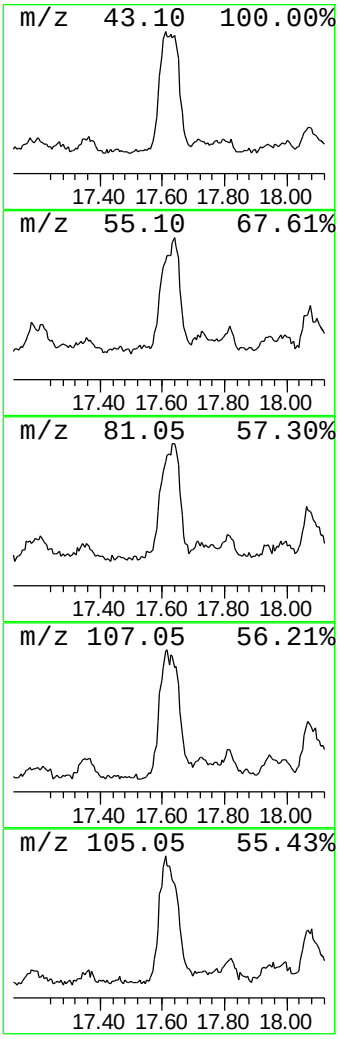
Peak Number 18 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	33.79 ng	1752360	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	70
3	5.alpha.-Stigmast-9(11)-en-3.bet...	414	C29H50O	077794-81-1	10
4	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	9
5	Stigmastan-3-en-6-ol	414	C29H50O	1000214-19-7	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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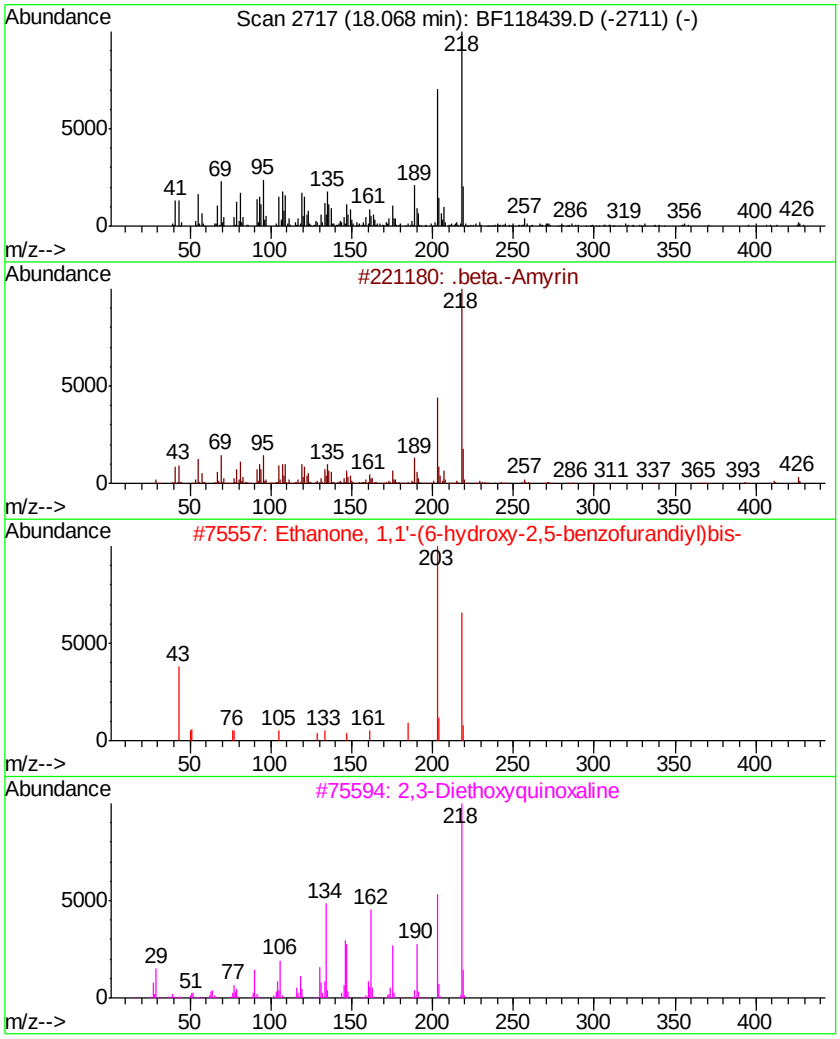
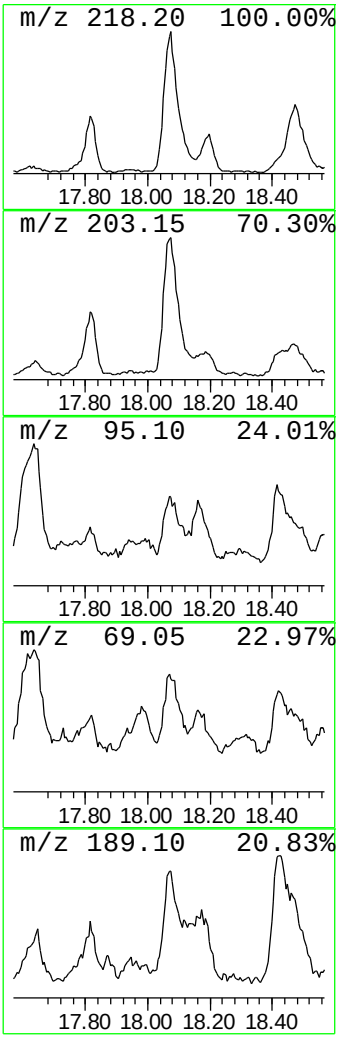
Peak Number 19 .beta.-Amyrin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	25.21 ng	1307810	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	91
2	Ethanone, 1,1'-(6-hydroxy-2,5-be...	218	C12H10O4	053947-86-7	58
3	2,3-Diethoxyquinoxaline	218	C12H14N2O2	057050-66-5	58
4	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	58
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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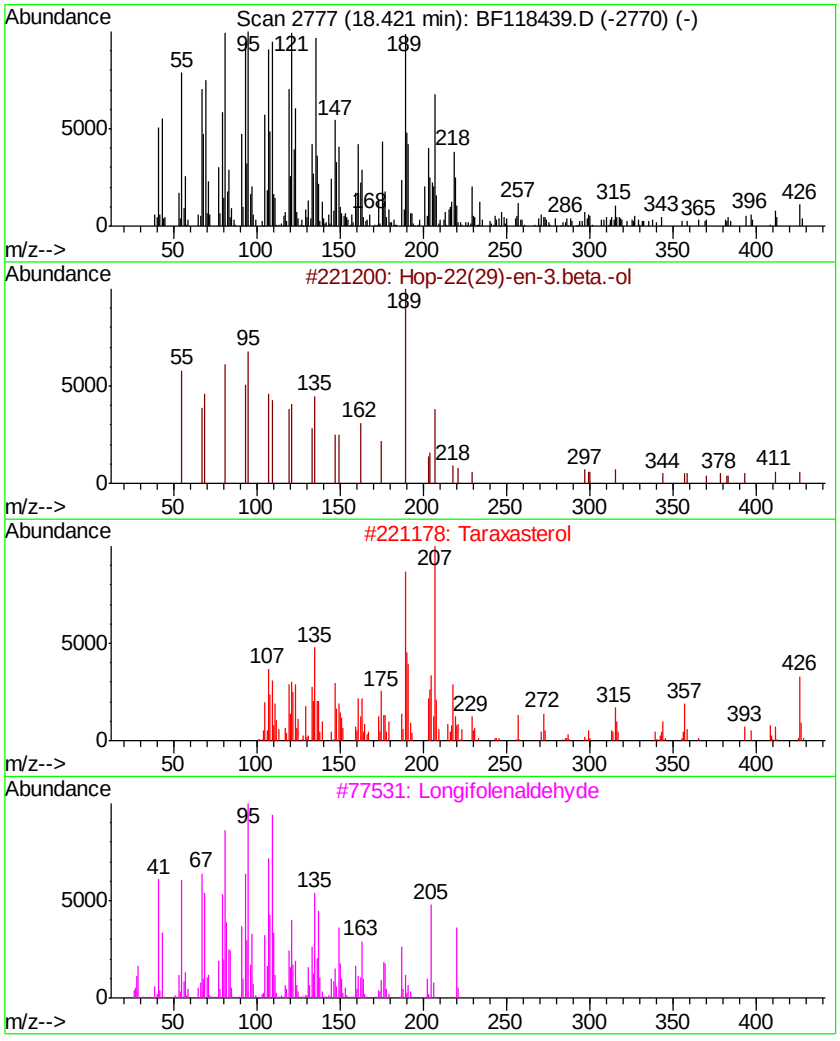
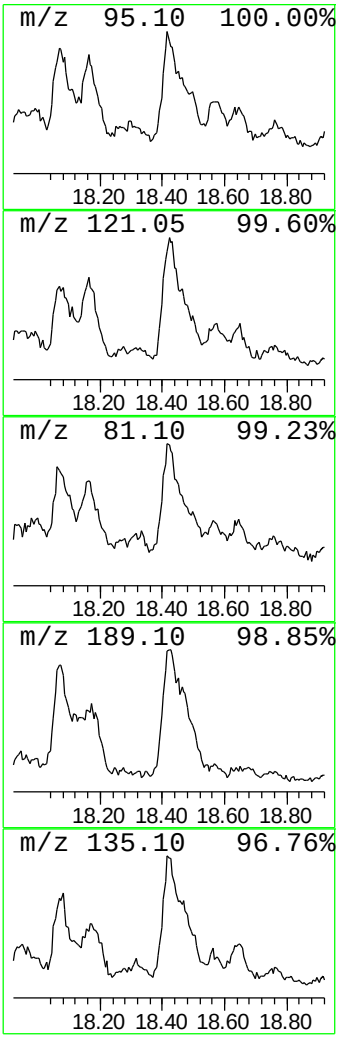
Peak Number 20 Hop-22(29)-en-3.beta.-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	23.39 ng	1212990	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	64
2	Taraxasterol	426	C30H50O	001059-14-9	47
3	Longifolenaldehyde	220	C15H24O	019890-84-7	46
4	7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	45
5	Isoaromadendrene epoxide	220	C15H24O	1000159-36-6	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010220\
Data File : BF118439.D
Acq On : 2 Jan 2020 16:58
Operator : JU
Sample : K6469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 174-NC-TOPSOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.05	12.5	ng	439309	1	6.85	704331	20.0
unknown6.62	6.62	78.9	ng	2778440	1	6.85	704331	20.0
n-Hexadecanoic acid	11.92	17.0	ng	946501	4	11.39	1113810	20.0
Benzaldehyde, 3,5...	12.00	5.0	ng	277329	4	11.39	1113810	20.0
9,12-Octadecadien...	12.46	8.8	ng	490032	4	11.39	1113810	20.0
9-Octadecenoic ac...	12.48	6.4	ng	356184	4	11.39	1113810	20.0
Phytol	12.53	7.3	ng	404134	4	11.39	1113810	20.0
Pyrene, 1-methyl-	13.17	4.7	ng	297589	5	14.04	1263560	20.0
2-Phenanthrenol, ...	13.40	5.3	ng	335521	5	14.04	1263560	20.0
9-Nonadecene	13.87	11.0	ng	694153	5	14.04	1263560	20.0
Octadecane	14.49	12.4	ng	785238	5	14.04	1263560	20.0
Squalene	14.88	9.9	ng	515360	6	15.53	1037350	20.0
Benzo[e]pyrene	15.41	6.3	ng	327880	6	15.53	1037350	20.0
Heneicosane, 11-p...	15.97	25.6	ng	1326410	6	15.53	1037350	20.0
Nonadecyl trifluo...	16.03	5.5	ng	284053	6	15.53	1037350	20.0
Vitamin E	16.25	7.5	ng	389018	6	15.53	1037350	20.0
.gamma.-Sitosterol	17.62	33.8	ng	1752360	6	15.53	1037350	20.0
.beta.-Amyrin	18.07	25.2	ng	1307810	6	15.53	1037350	20.0
Hop-22(29)-en-3.b...	18.42	23.4	ng	1212990	6	15.53	1037350	20.0