LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
Data File : BF118986.D
Acq On : 21 Feb 2020 4:20
Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

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-BF022020.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	4.328	376	381	388	rBV	351840	428360	11.47%	0.884%
2	4.963	484	489	493	rBV	937639	1082427	28.98%	2.233%
3	5.387	558	561	577	rVB	983305	933623	25.00%	1.926%
4	6.404	730	734	744	rBV	2324694	2128986	57.00%	4.392%
5	6.763	791	795	803	rVB	1016987	854610	22.88%	1.763%
6	6.916	818	821	825	rBV	2424717	2286007	61.21%	4.715%
7	7.322	880	890	893	rBV	1806216	1571128	42.07%	3.241%
8	8.039	1008	1012	1015	rBV	1058508	1031561	27.62%	2.128%
9	8.063	1015	1016	1020	rVB2	135618	106324	2.85%	0.219%
10	8.857	1147	1151	1155	rBV2	35367	52249	1.40%	0.108%
11	9.116	1191	1195	1198	rBV	3704162	3032725	81.20%	6.256%
12	9.204	1206	1210	1214	rBV3	69067	87045	2.33%	0.180%
13	9.375	1236	1239	1245	rVB4	31921	47116	1.26%	0.097%
14	9.457	1245	1253	1255	rBV2	65772	92594	2.48%	0.191%
15	9.510	1259	1262	1266	rBV	226748	225477	6.04%	0.465%
16	9.657	1284	1287	1292	rBV	48069	60763	1.63%	0.125%
17	9.710	1292	1296	1298	rVV3	45510	55555	1.49%	0.115%
18	9.733	1298	1300	1303	rVV	75215	62314	1.67%	0.129%
19	9.792	1304	1310	1313	rVV	1257263	1057488	28.31%	2.181%
20	9.828	1313	1316	1319	rVB	401852	351471	9.41%	0.725%
21	9.951	1334	1337	1341	rBV3	25023	39920	1.07%	0.082%
22	9.998	1341	1345	1349	rVB	195836	172741	4.62%	0.356%
23	10.228	1381	1384	1387	rVB2	81781	73576	1.97%	0.152%
24	10.339	1400	1403	1408	rBV	384891	327074	8.76%	0.675%
25	10.404	1409	1414	1416	rVV2	48808	60542	1.62%	0.125%
26	10.451	1420	1422	1424	rVV	89974	82524	2.21%	0.170%
27	10.498	1427	1430	1434	rVB2	71357	66192	1.77%	0.137%
28	10.580	1439	1444	1448	rBV	238748	243993	6.53%	0.503%
29	10.704	1462	1465	1473	rVB3	131471	220182	5.90%	0.454%
30	10.769	1473	1476	1479	rBV5	30713	49646	1.33%	0.102%
31	10.886	1494	1496	1499	rVB2	53989	48850	1.31%	0.101%
32	11.080	1527	1529	1533	rVB2	53365	51576	1.38%	0.106%
33	11.145	1534	1540	1542	rVV4	113352	164749	4.41%	0.340%
34	11.175	1542	1545	1552	rVB2	266605	289804	7.76%	0.598%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.275	1559	1562	1564	rBV	979328	954512	25.56%	1.969%
36	11.304	1564	1567	1570	rVV	3490749	2968450	79.48%	6.123%
37	11.351	1570	1575	1578	rVV	1054298	957919	25.65%	1.976%
38	11.386	1578	1581	1585	rVB	127187	125478	3.36%	0.259%
39	11.504	1596	1601	1604	rBV	452016	476358	12.75%	0.983%
40	11.575	1610	1613	1616	rBV2	145026	114872	3.08%	0.237%
41	11.610	1616	1619	1625	rVB2	58392	75588	2.02%	0.156%
42	11.780	1644	1648	1650	rBV	254911	253867	6.80%	0.524%
43	11.804	1650	1652	1656	rVB	416207	363798	9.74%	0.750%
44	11.851	1658	1660	1663	rVB	120233	104709	2.80%	0.216%
45	11.892	1663	1667	1669	rBV	575659	600974	16.09%	1.240%
46	11.957	1675	1678	1679	rBV	53927	49079	1.31%	0.101%
47	11.980	1679	1682	1685	rVB3	147543	127810	3.42%	0.264%
48	12.010	1685	1687	1690	rBV2	45109	48105	1.29%	0.099%
49	12.075	1695	1698	1700	rVV	219818	216557	5.80%	0.447%
50	12.098	1700	1702	1706	rVB2	113217	121921	3.26%	0.251%
51	12.222	1721	1723	1726	rVB2	78605	62371	1.67%	0.129%
52	12.257	1726	1729	1730	rBV	74967	75243	2.01%	0.155%
53	12.327	1738	1741	1744	rBV	179454	186154	4.98%	0.384%
54	12.369	1745	1748	1753	rVB3	163669	200709	5.37%	0.414%
55	12.416	1753	1756	1760	rBV2	98301	119417	3.20%	0.246%
56	12.492	1765	1769	1772	rBV	3812801	3605249	96.53%	7.437%
57	12.586	1782	1785	1787	rBV4	72837	80519	2.16%	0.166%
58	12.639	1791	1794	1798	rVV	158652	206410	5.53%	0.426%
59	12.722	1802	1808	1811	rVV	3116952	3734975	100.00%	7.704%
60	12.769	1813	1816	1821	rVV3	122108	170214	4.56%	0.351%
61	12.833	1825	1827	1828	rVV2	174090	145570	3.90%	0.300%
62	12.857	1828	1831	1839	rVB	3072686	3209983	85.94%	6.621%
63	12.939	1840	1845	1847	rBV3	176369	288670	7.73%	0.595%
64	12.963	1847	1849	1852	rVB	146662	133350	3.57%	0.275%
65	13.045	1860	1863	1866	rVB	638367	577567	15.46%	1.191%
66	13.110	1871	1874	1877	rVB	534104	484695	12.98%	1.000%
67	13.151	1877	1881	1883	rBV2	233067	285649	7.65%	0.589%
68	13.239	1894	1896	1899	rVB	115315	95438	2.56%	0.197%
69	13.269	1899	1901	1905	rBV	149794	174049	4.66%	0.359%
70	13.663	1966	1968	1970	rBV	285563	228524	6.12%	0.471%
71	13.716	1975	1977	1978	rBV	215752	170111	4.55%	0.351%

LSC Area Percent Report

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Acq On : 21 Feb 2020 4:20
Operator : CG/JU
Sample : L1552-03
Misc :
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Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.763	1982	1985	1992	rVB2	410531	560945	15.02%	1.157%
73	13.910	2006	2010	2013	rBV2	2006635	2718885	72.80%	5.608%
74	13.945	2013	2016	2019	rVB	1349203	1258396	33.69%	2.596%
75	14.021	2026	2029	2032	rVB	361526	295512	7.91%	0.610%
76	14.945	2182	2186	2188	rBV	1104186	1529670	40.96%	3.155%
77	15.233	2232	2235	2240	rVB	637005	815103	21.82%	1.681%
78	15.292	2241	2245	2250	rBV	1003566	1226641	32.84%	2.530%
79	15.351	2252	2255	2258	rBV	656942	840461	22.50%	1.734%

Sum of corrected areas: 48479669

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
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Operator : CG/JU
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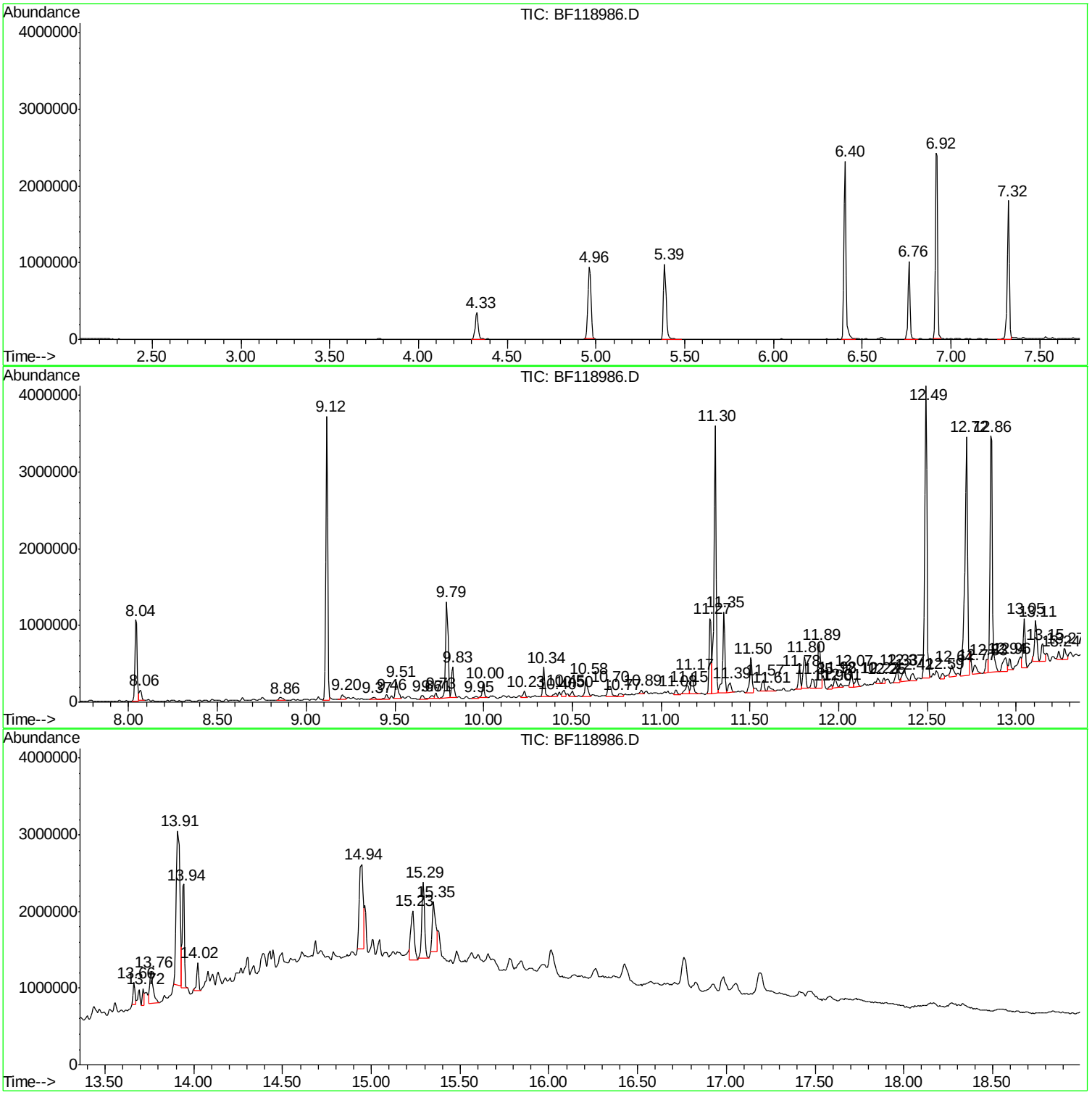
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022020\
Data File : BF118986.D
Acq On : 21 Feb 2020 4:20
Operator : CG/JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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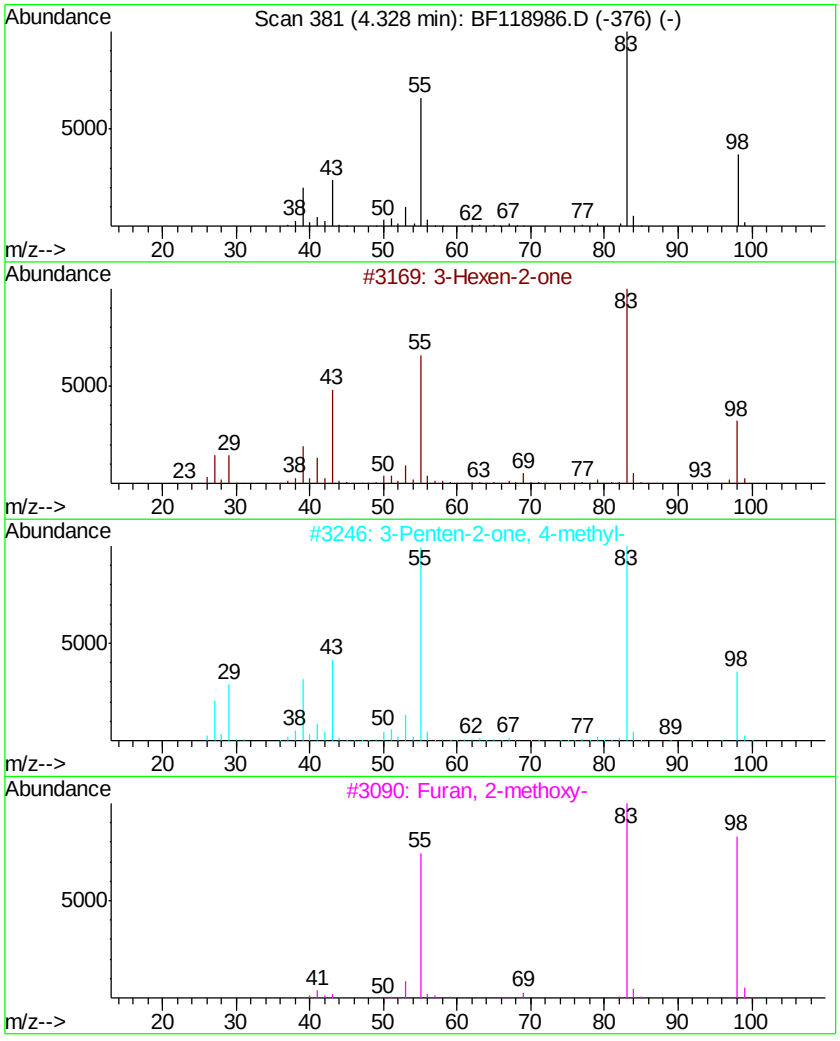
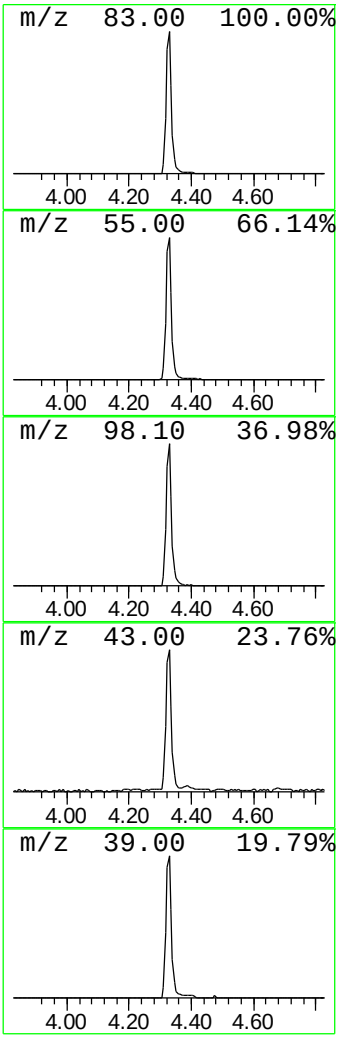
Peak Number 1 3-Hexen-2-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	10.02 ng	428360	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	90
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	86





Library Search Compound Report

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Sample : L1552-03
Misc :
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Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

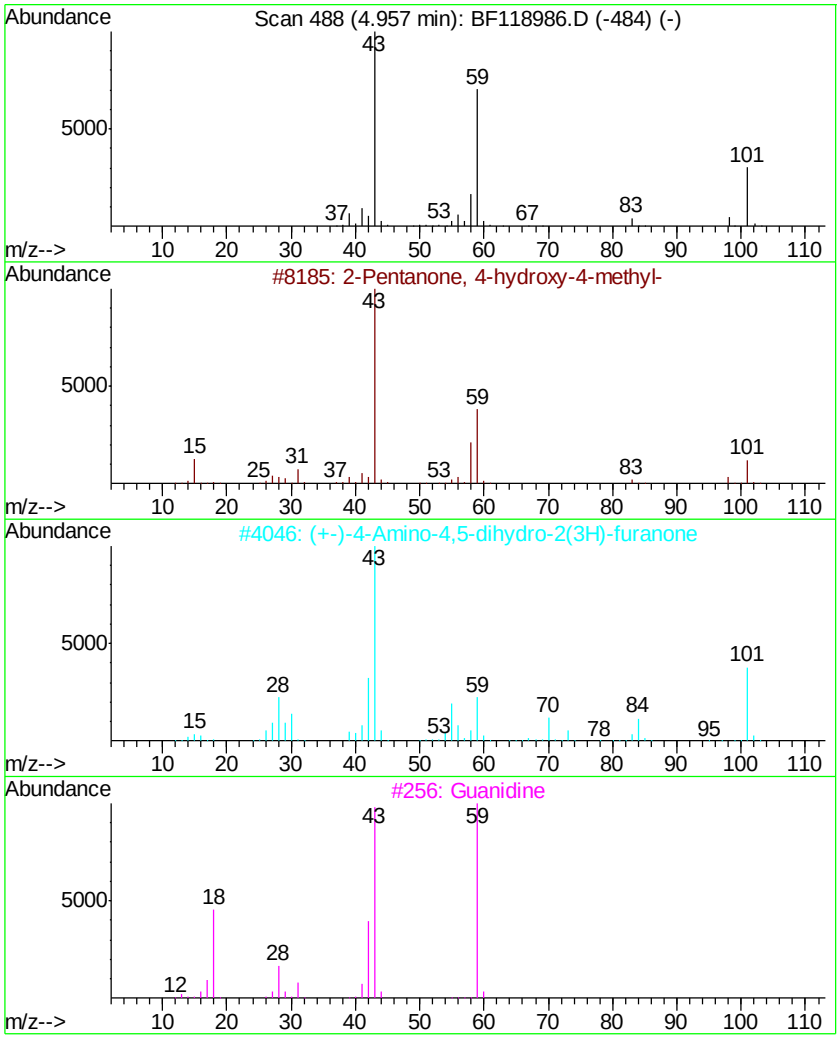
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

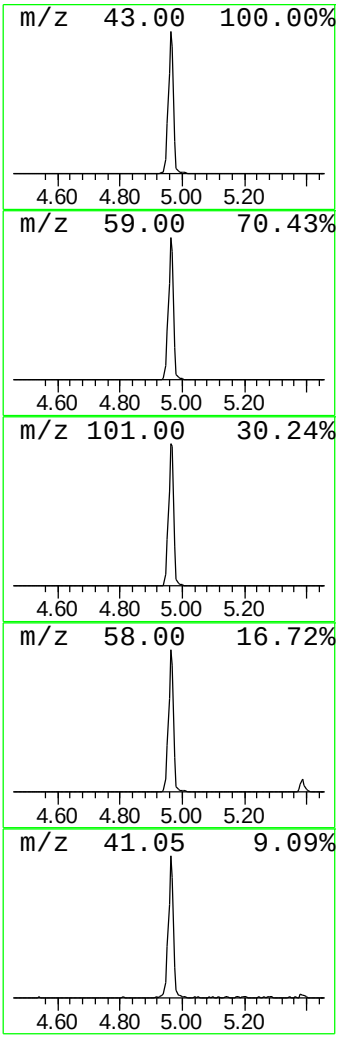
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	25.33 ng	1082430	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Guanidine	59	CH5N3	000113-00-8	43
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Acetone	58	C3H6O	000067-64-1	10





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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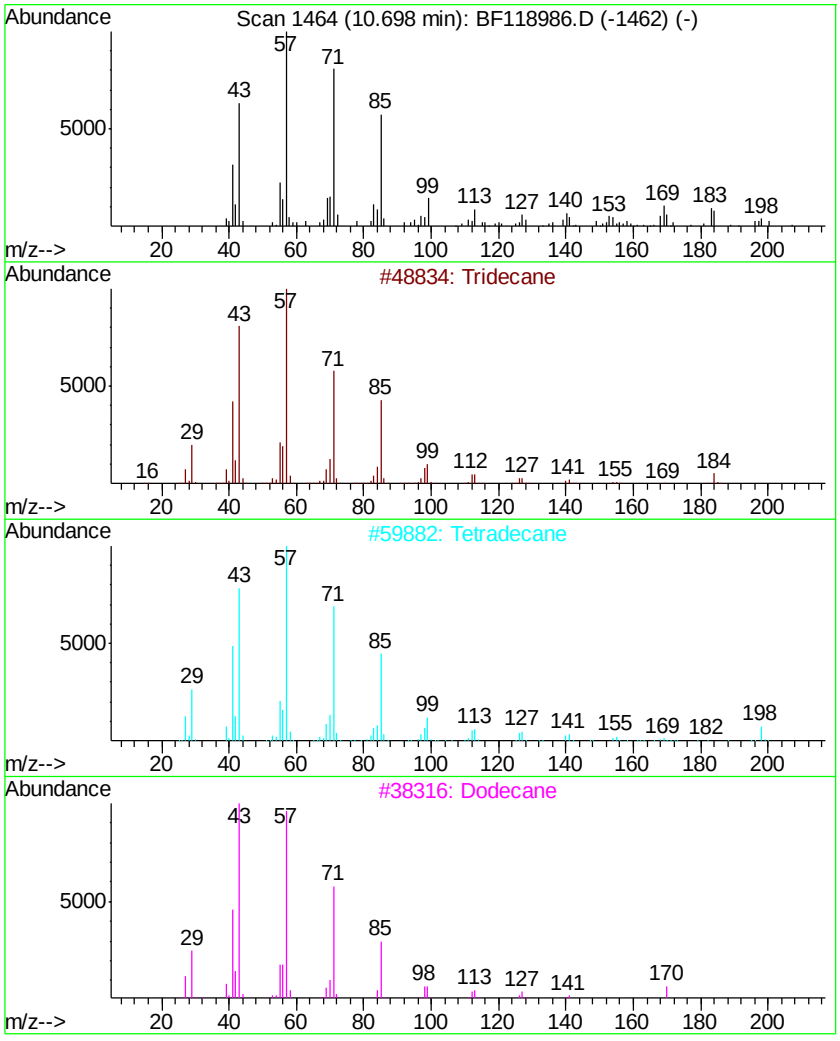
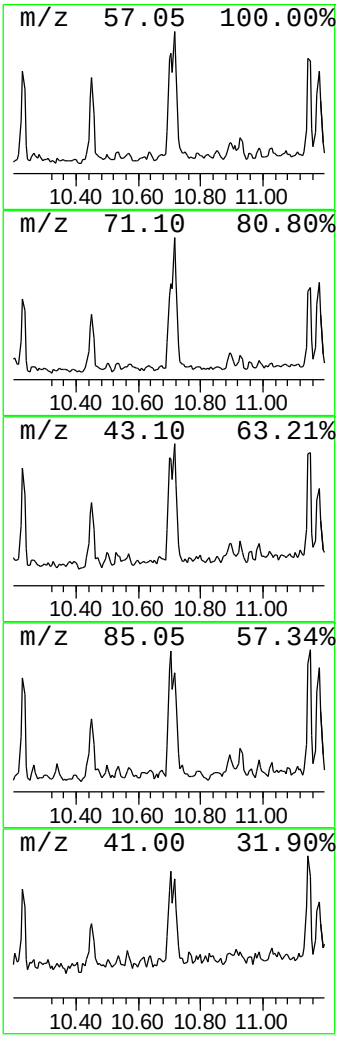
****

Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	4.61 ng	220182	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	89
2	Tetradecane	198	C14H30	000629-59-4	83
3	Dodecane	170	C12H26	000112-40-3	60
4	Heptadecane	240	C17H36	000629-78-7	58
5	Tetracosane	338	C24H50	000646-31-1	58





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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TIC Library : C:\DATABASE\NIST11.L
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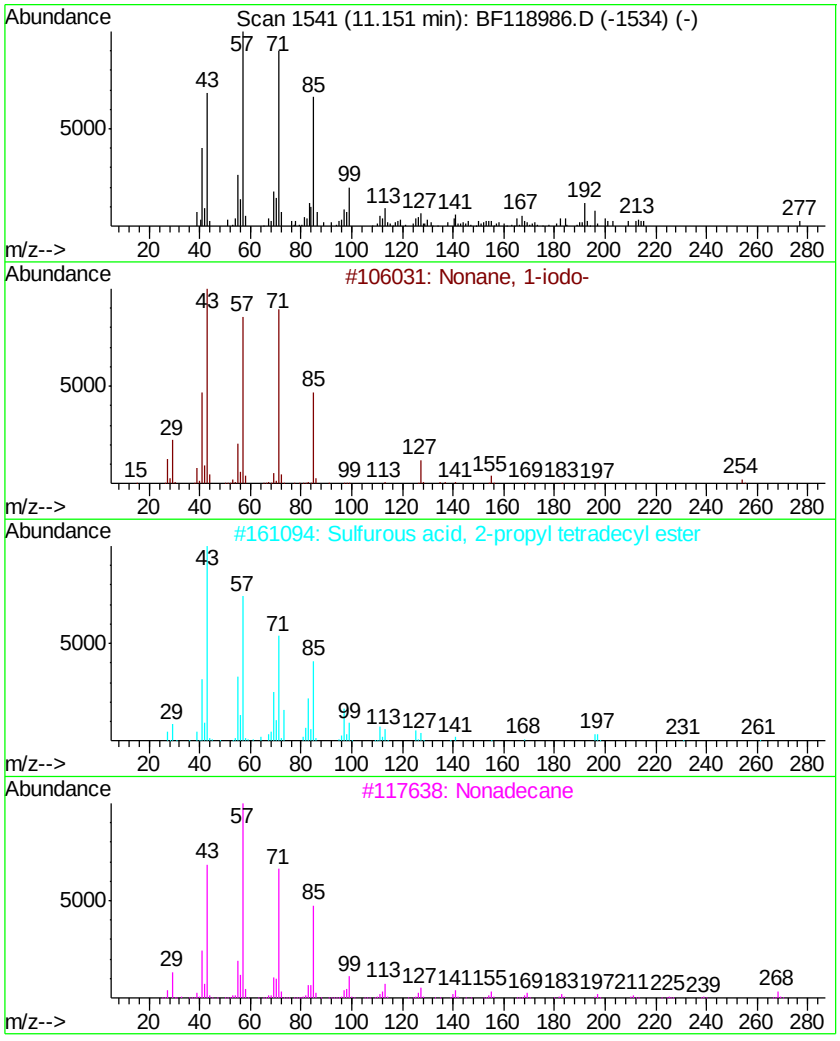
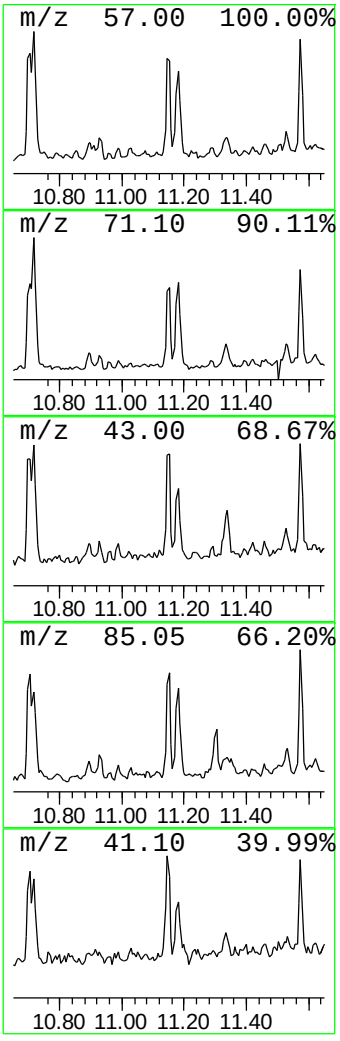
Peak Number 5 Nonane, 1-iodo- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	3.45 ng	164749	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 1-iodo-	254	C9H19I	004282-42-2	64
2	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	64
3	Nonadecane	268	C19H40	000629-92-5	62
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	58
5	Hexadecane	226	C16H34	000544-76-3	58





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Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

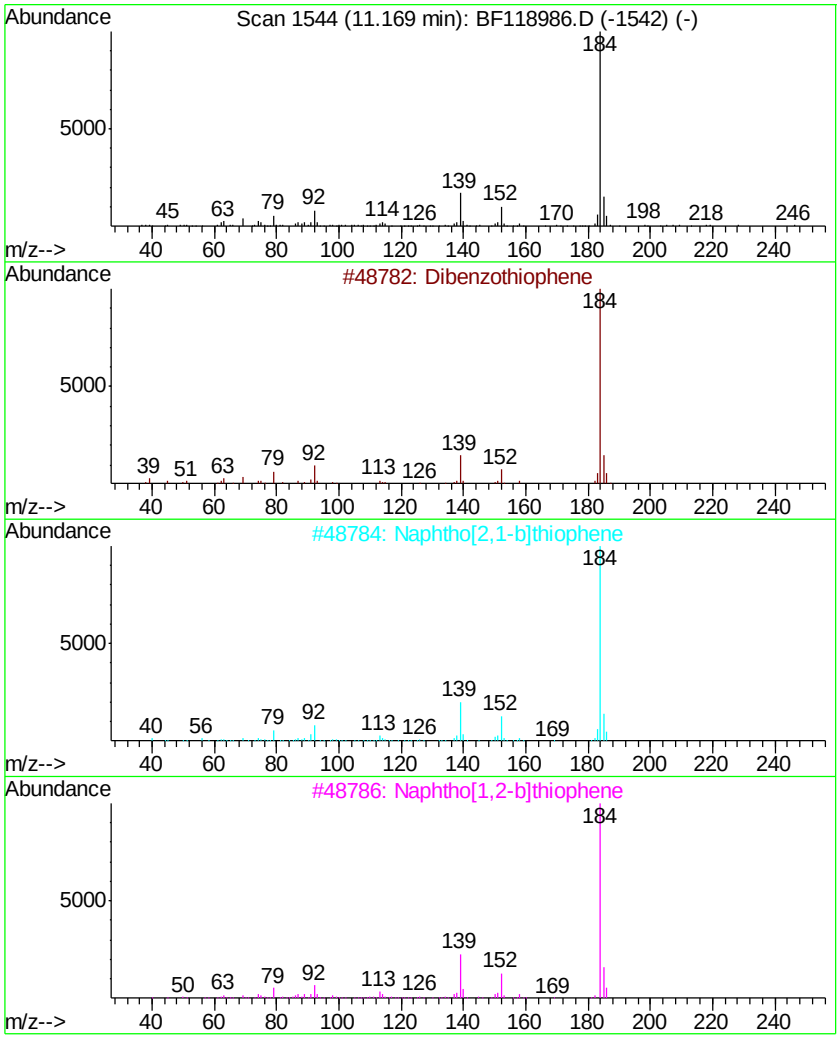
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

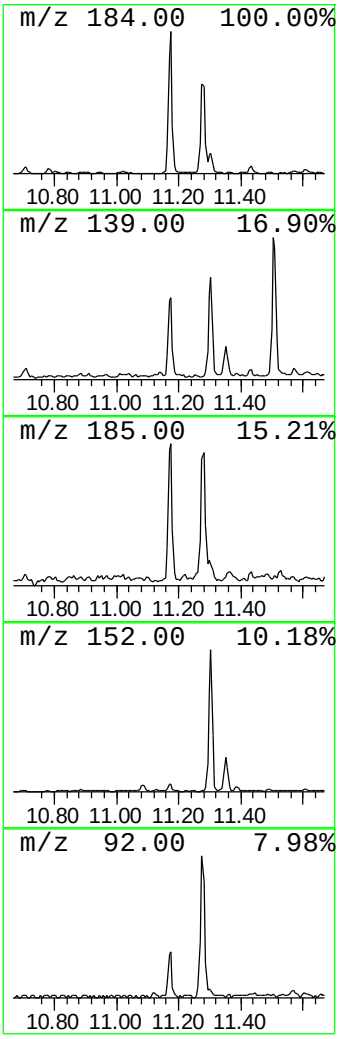
****

Peak Number 6 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	6.07 ng	289804	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





Library Search Compound Report

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Data File : BF118986.D
Acq On : 21 Feb 2020 4:20
Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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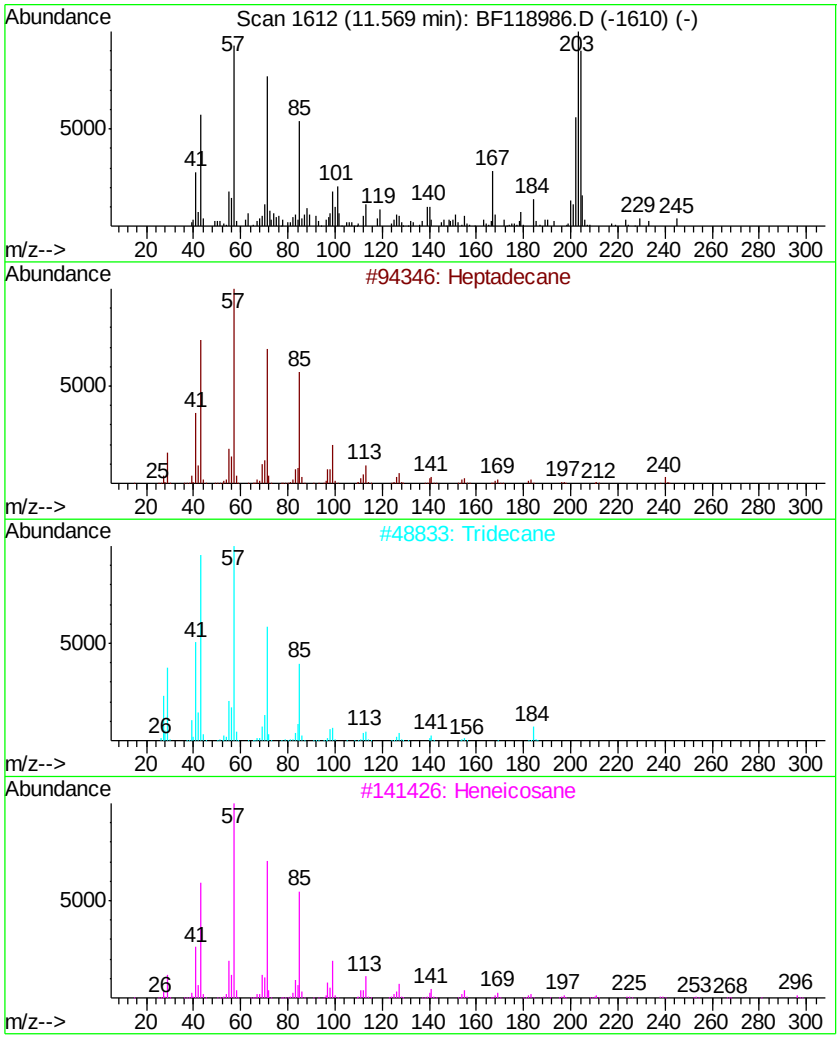
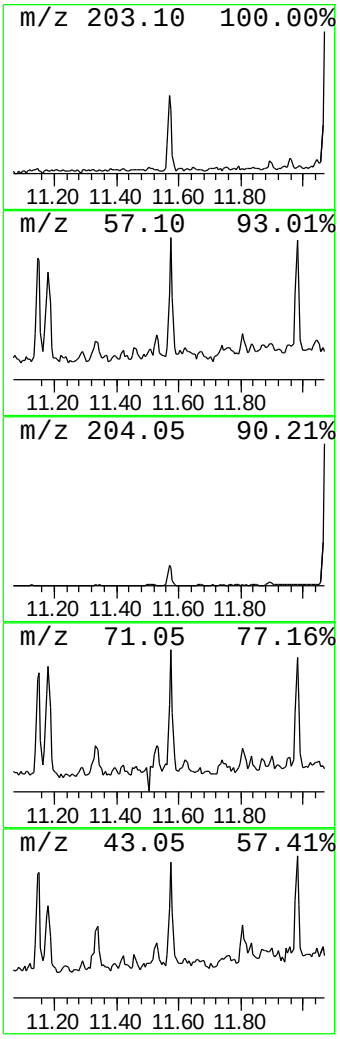
Peak Number 7 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	2.41 ng	114872	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	55
2	Tridecane	184	C13H28	000629-50-5	49
3	Heneicosane	296	C21H44	000629-94-7	49
4	Octadecane	254	C18H38	000593-45-3	46
5	Hexadecane	226	C16H34	000544-76-3	46





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Sample : L1552-03
Misc :
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ClientSampleId : FK-SF-01-008-B

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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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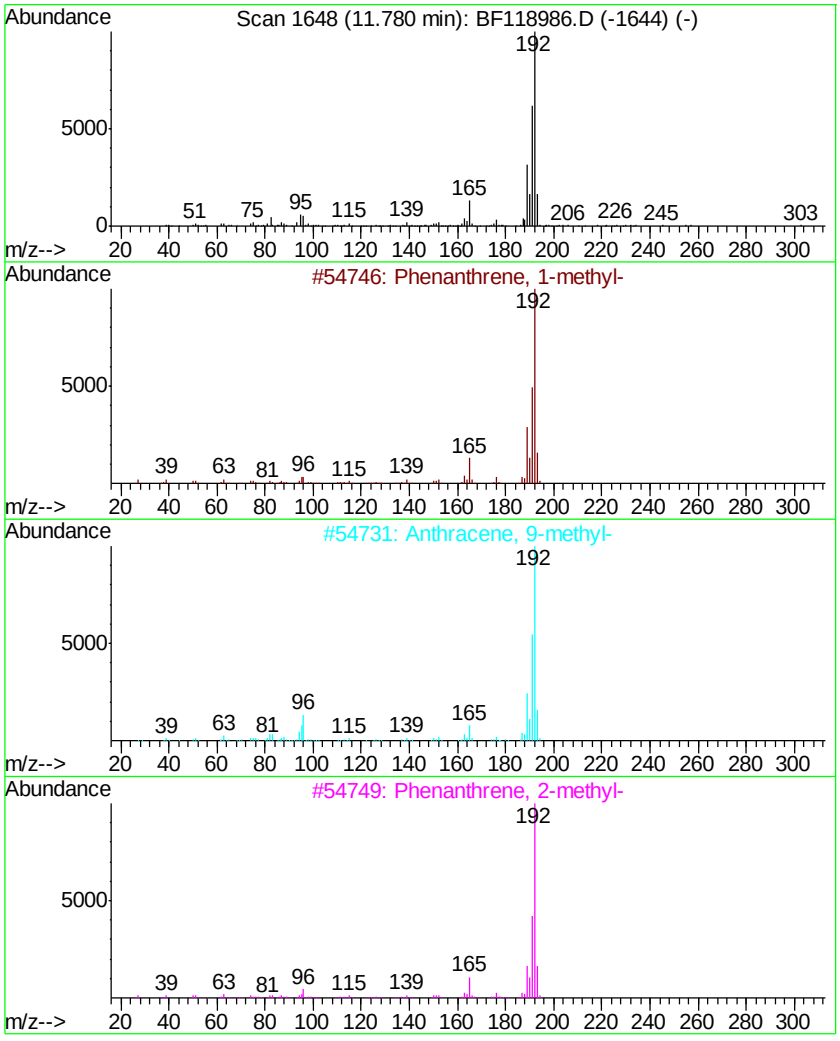
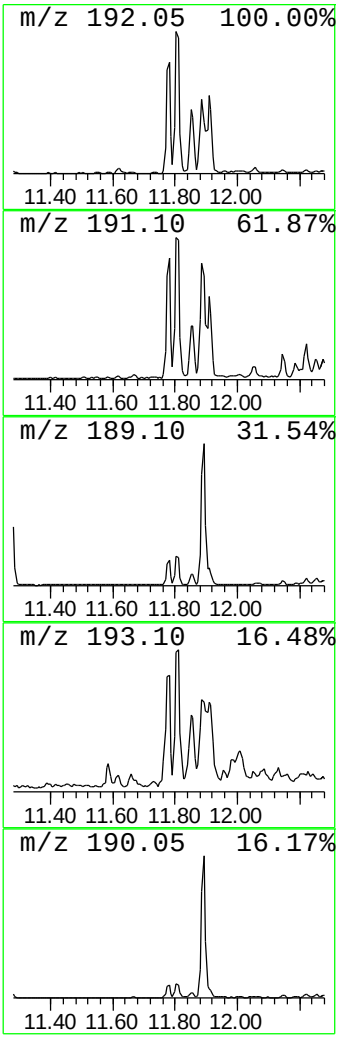
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.32 ng	253867	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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ClientSampleId : FK-SF-01-008-B

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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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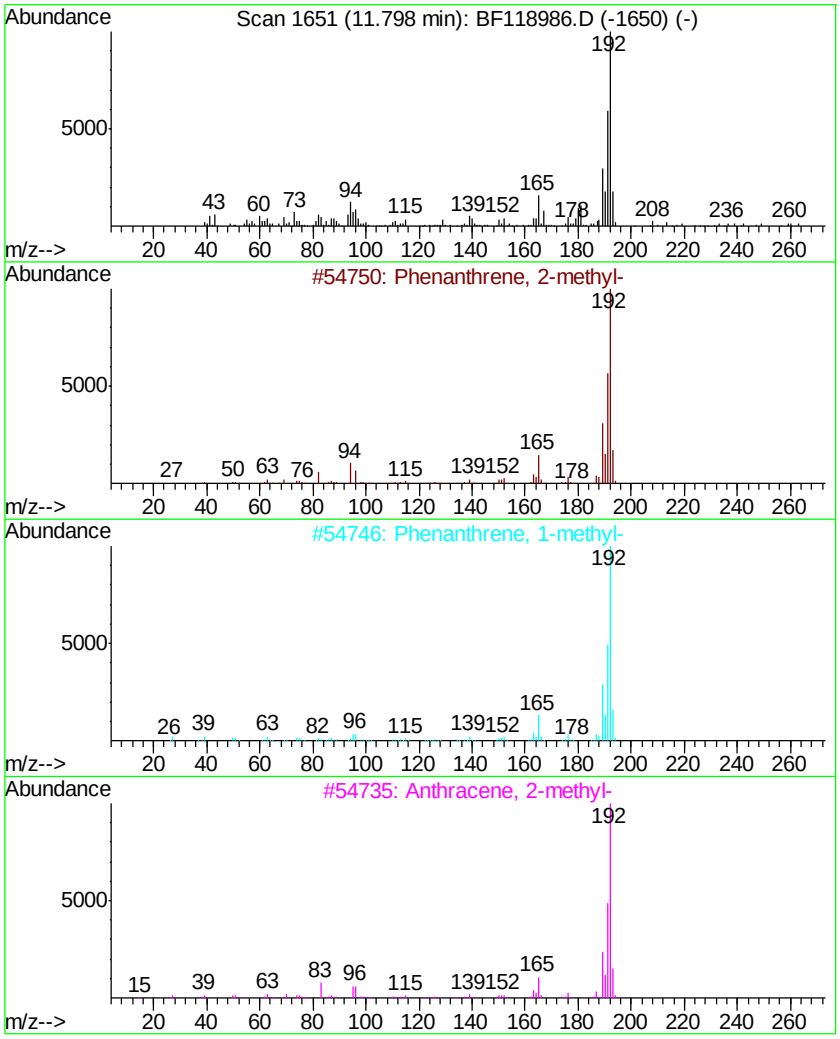
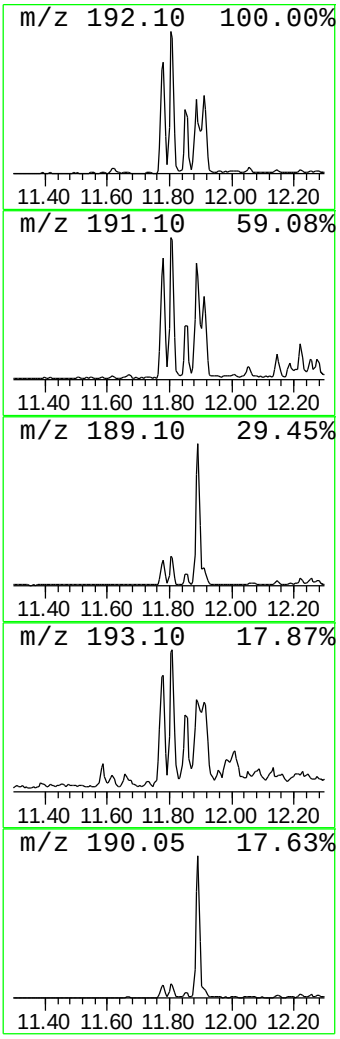
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	7.62 ng	363798	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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

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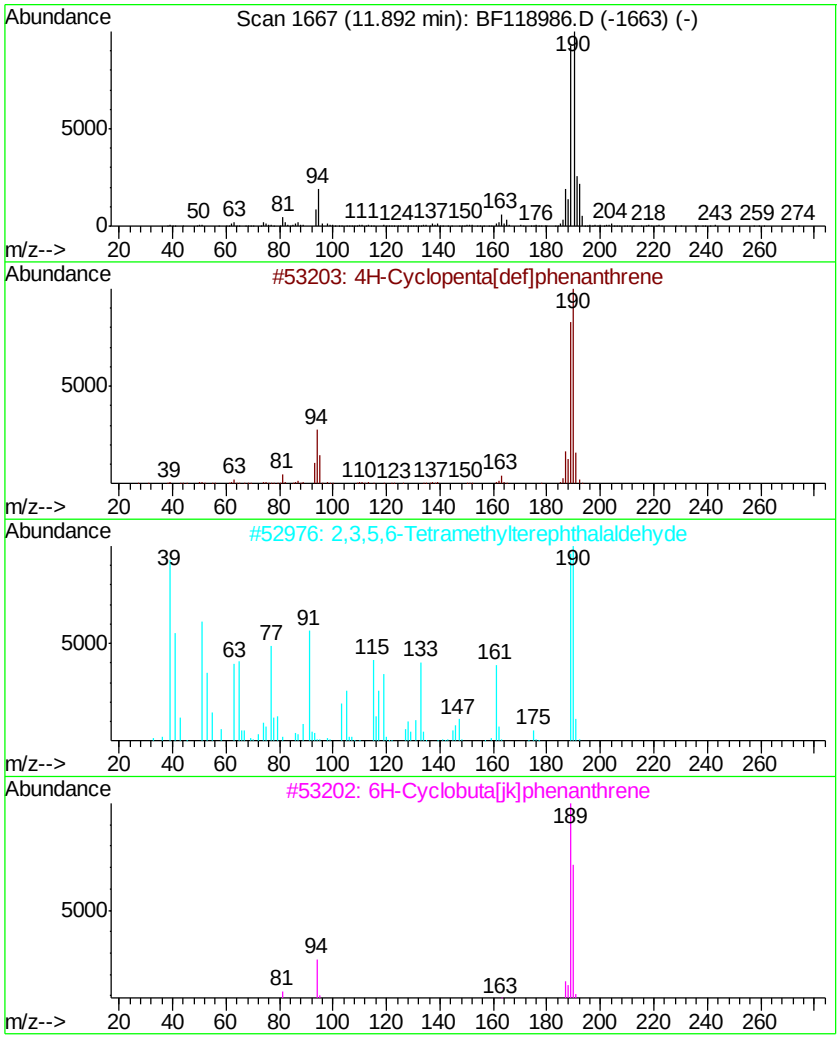
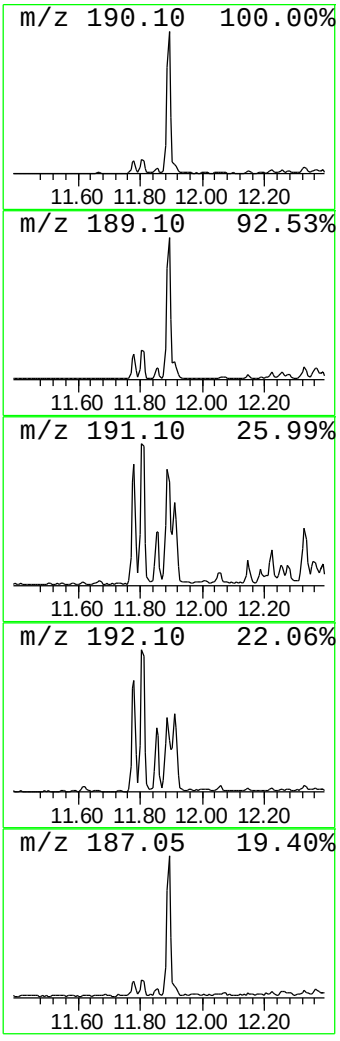
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	12.59 ng	600974	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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TIC Integration Parameters: LSCINT.P

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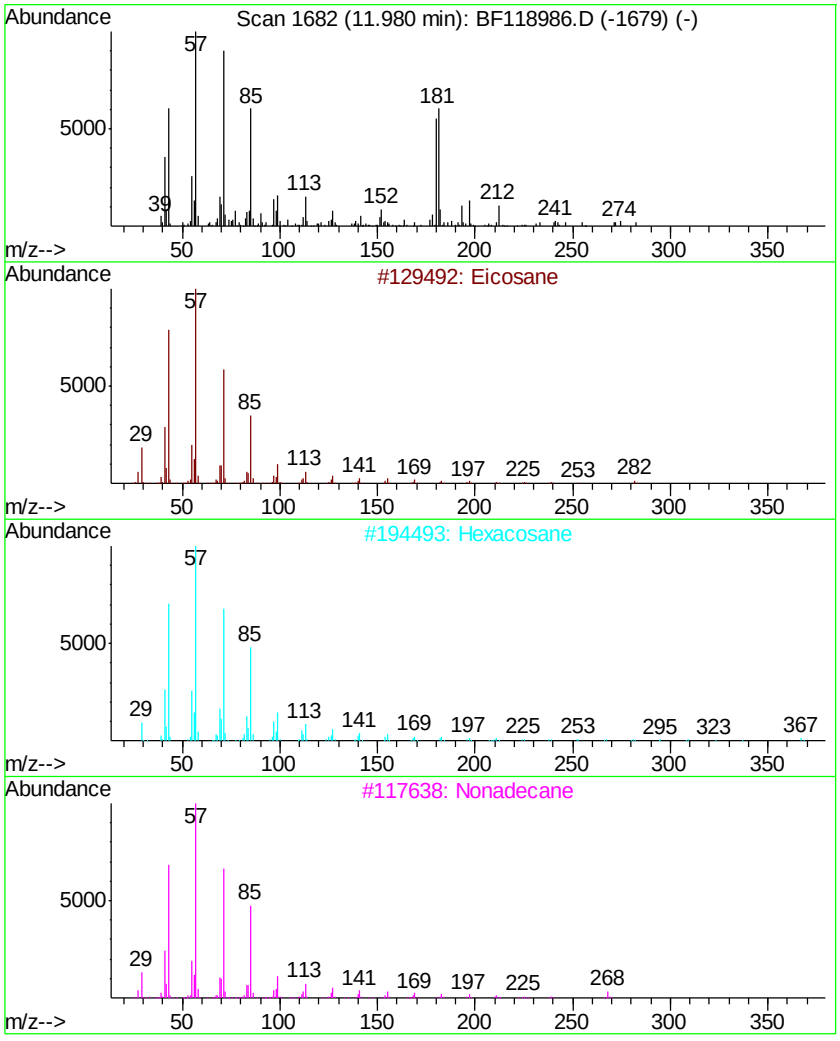
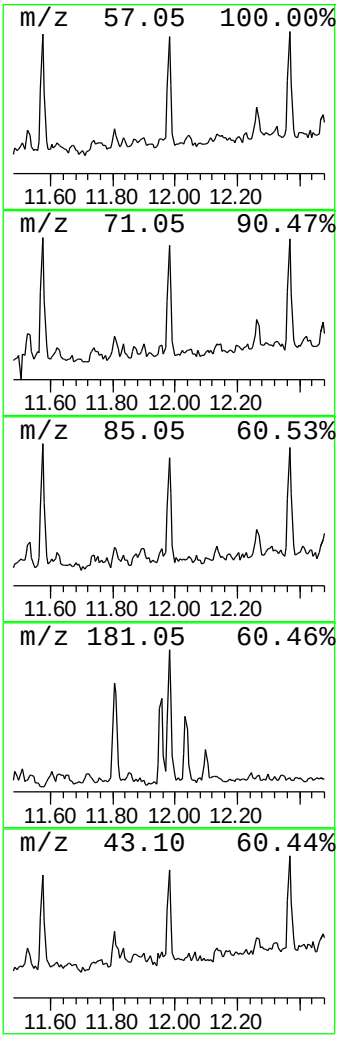
Peak Number 11 Eicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.68 ng	127810	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	55
2	Hexacosane	366	C26H54	000630-01-3	49
3	Nonadecane	268	C19H40	000629-92-5	49
4	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	49
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49





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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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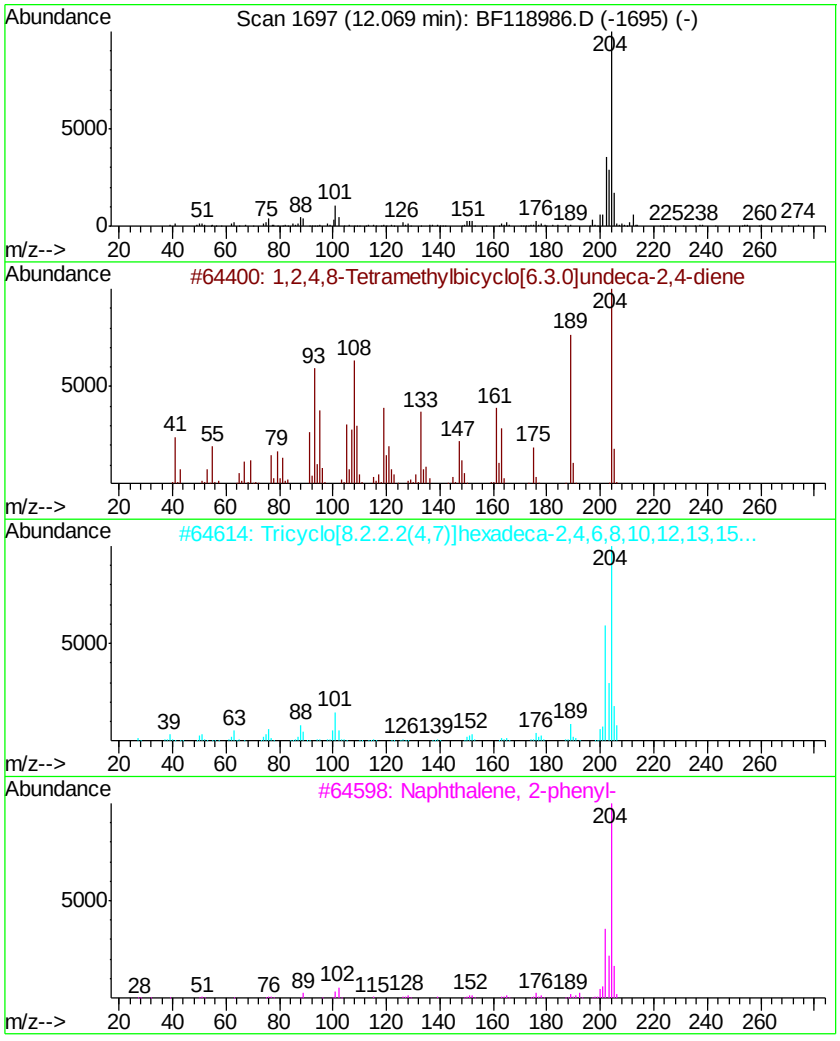
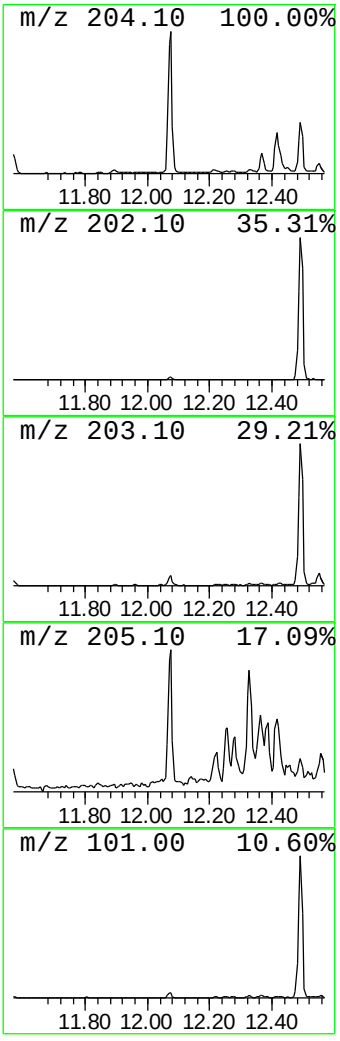
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.54 ng	216557	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52





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

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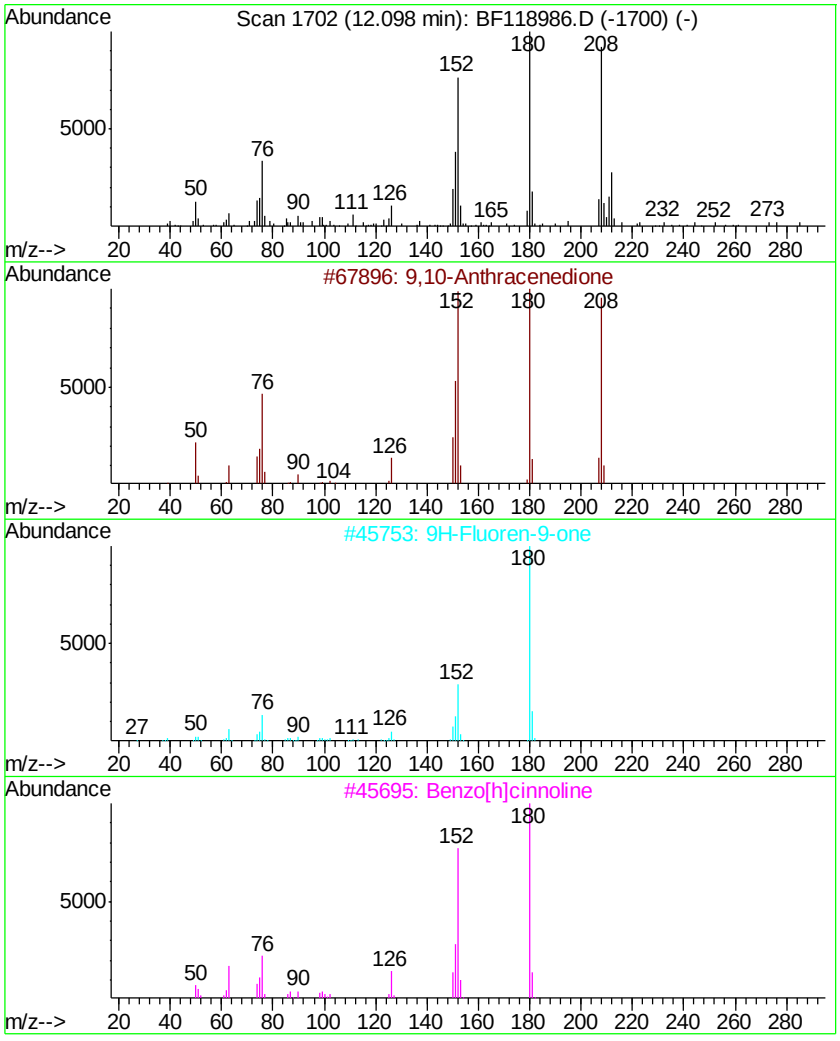
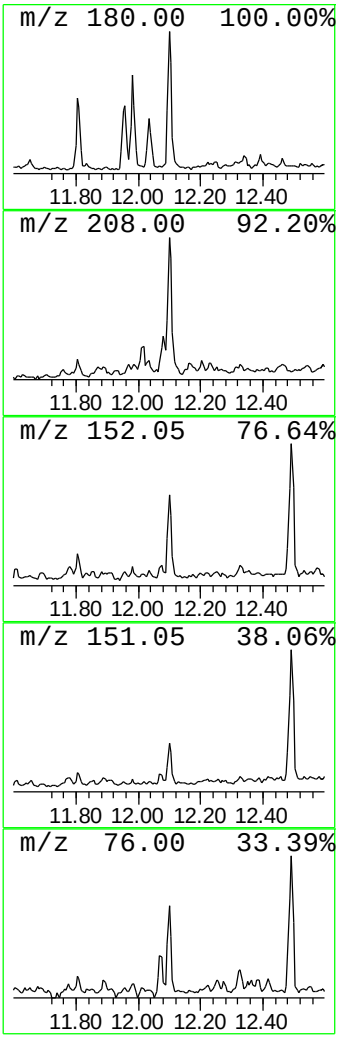
Peak Number 13 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.55 ng	121921	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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ClientSampleId : FK-SF-01-008-B

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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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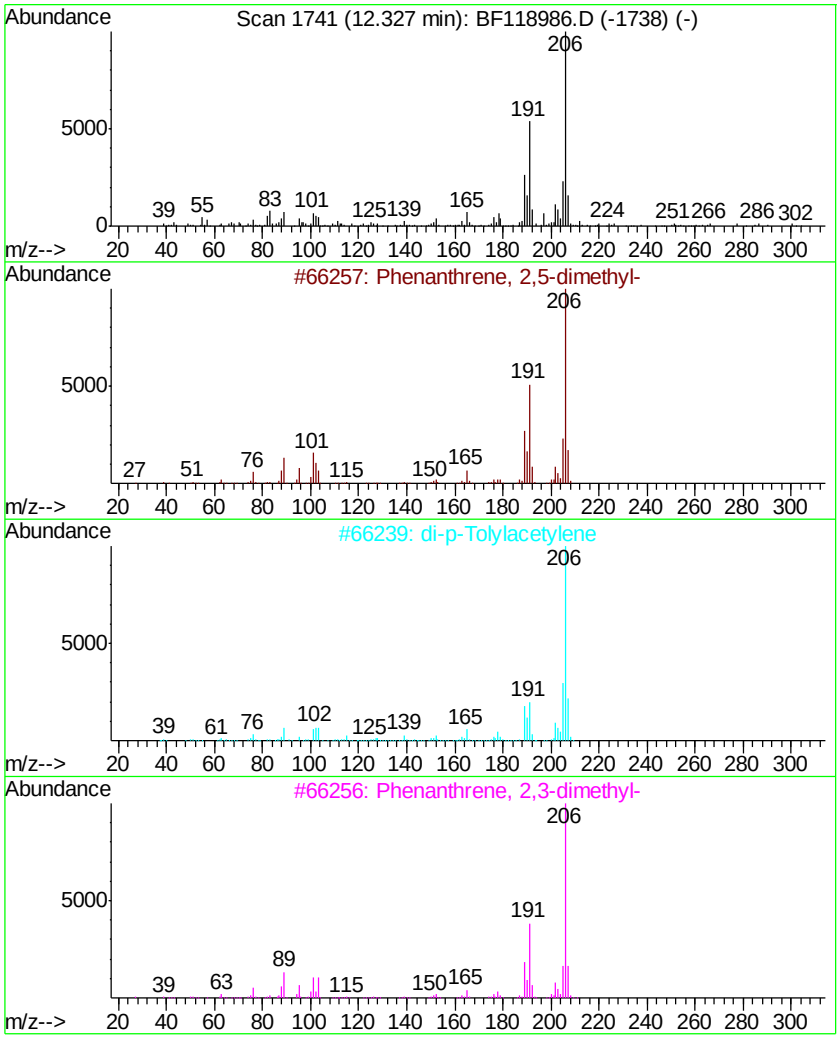
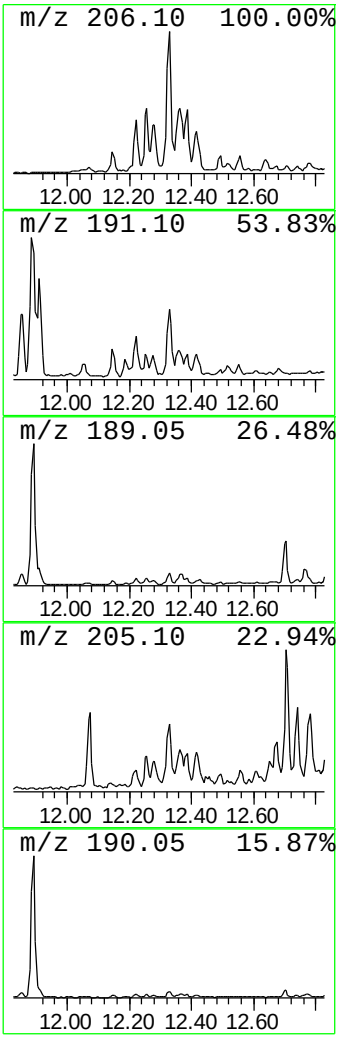
Peak Number 14 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.90 ng	186154	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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TIC Library : C:\DATABASE\NIST11.L
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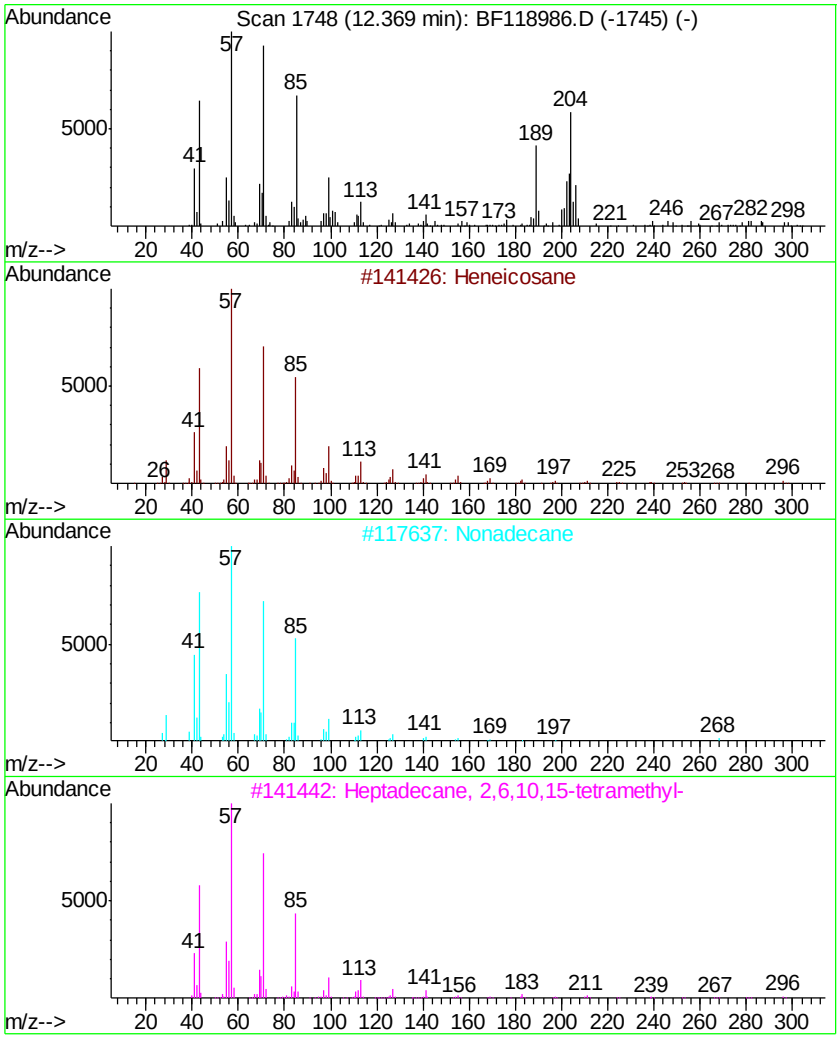
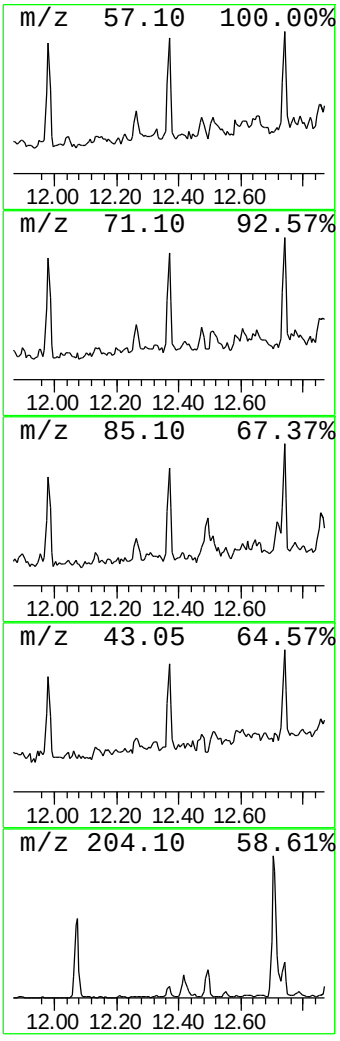
Peak Number 15 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.21 ng	200709	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Nonadecane	268	C19H40	000629-92-5	60
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	55
4	Eicosane	282	C20H42	000112-95-8	38
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	30





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

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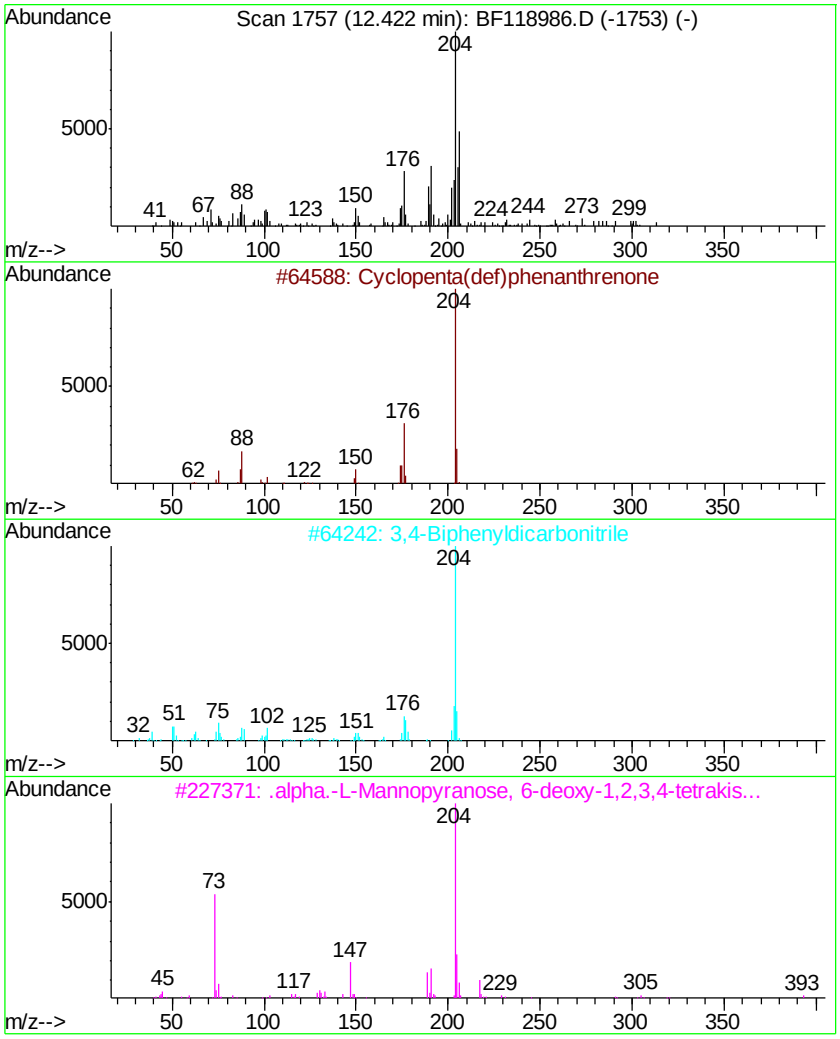
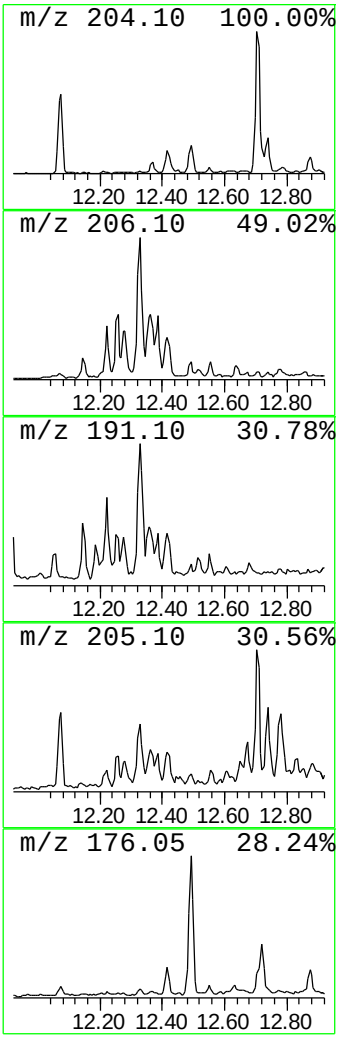
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.50 ng	119417	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





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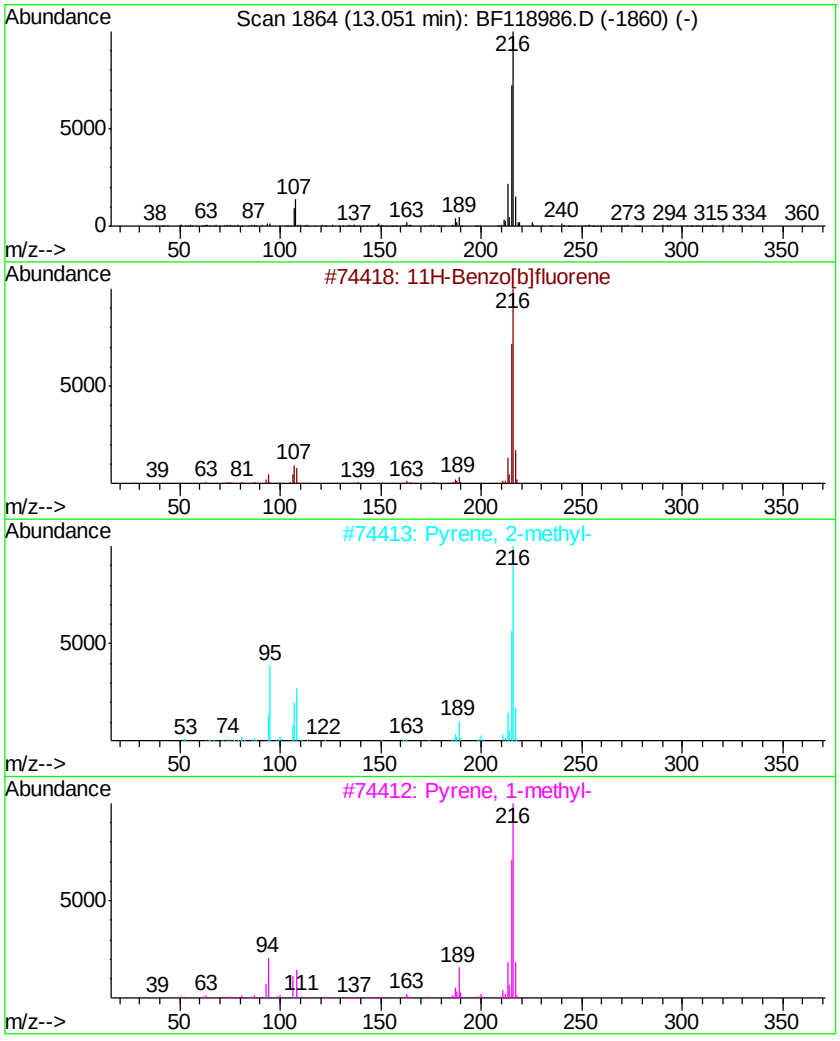
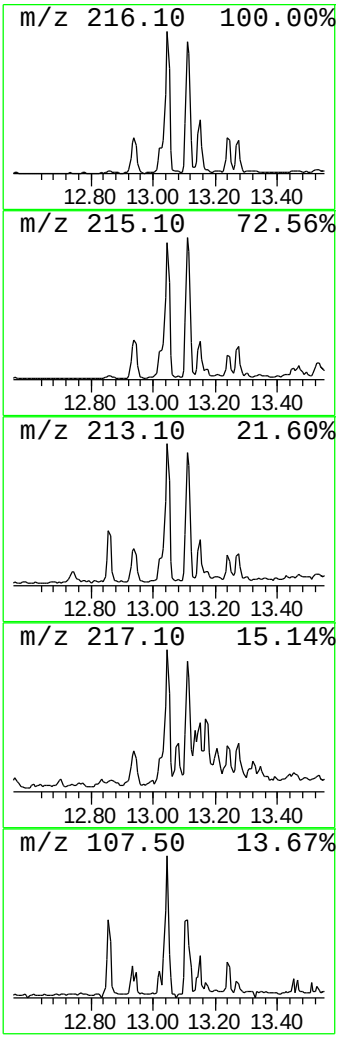
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.25 ng	577567	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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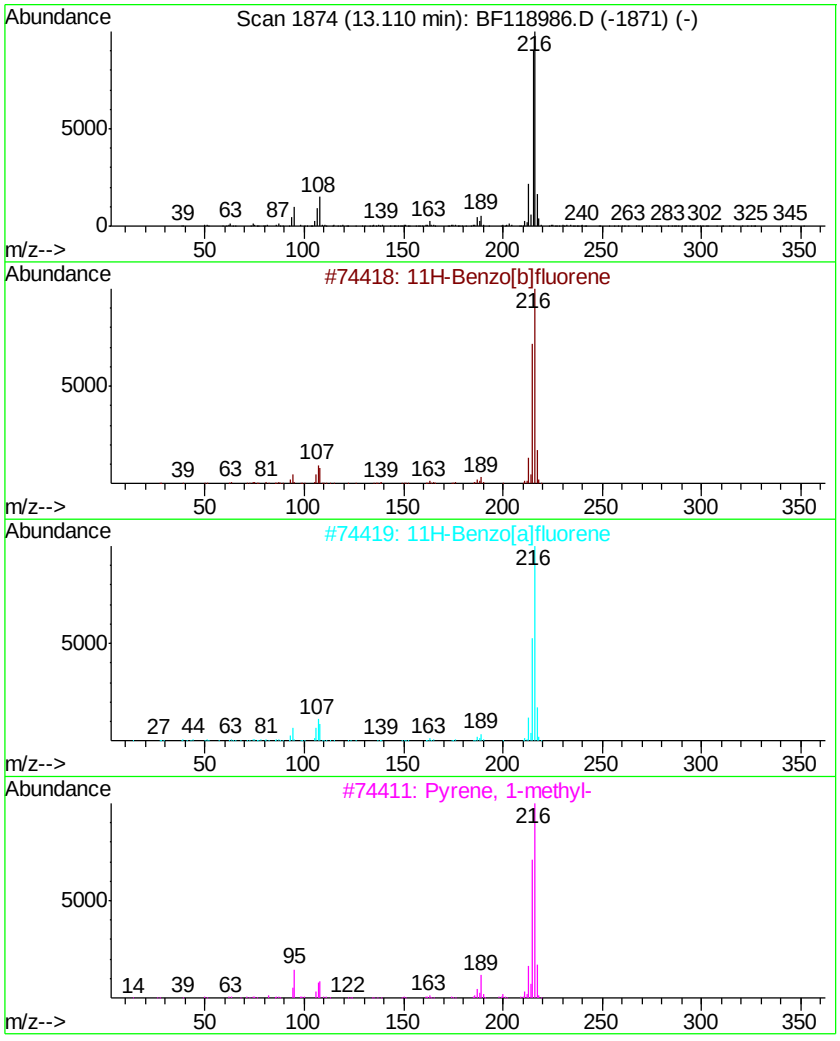
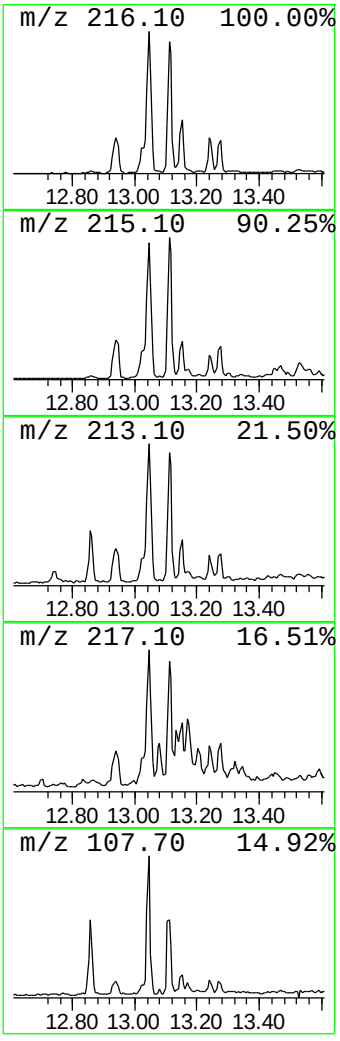
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	3.57 ng	484695	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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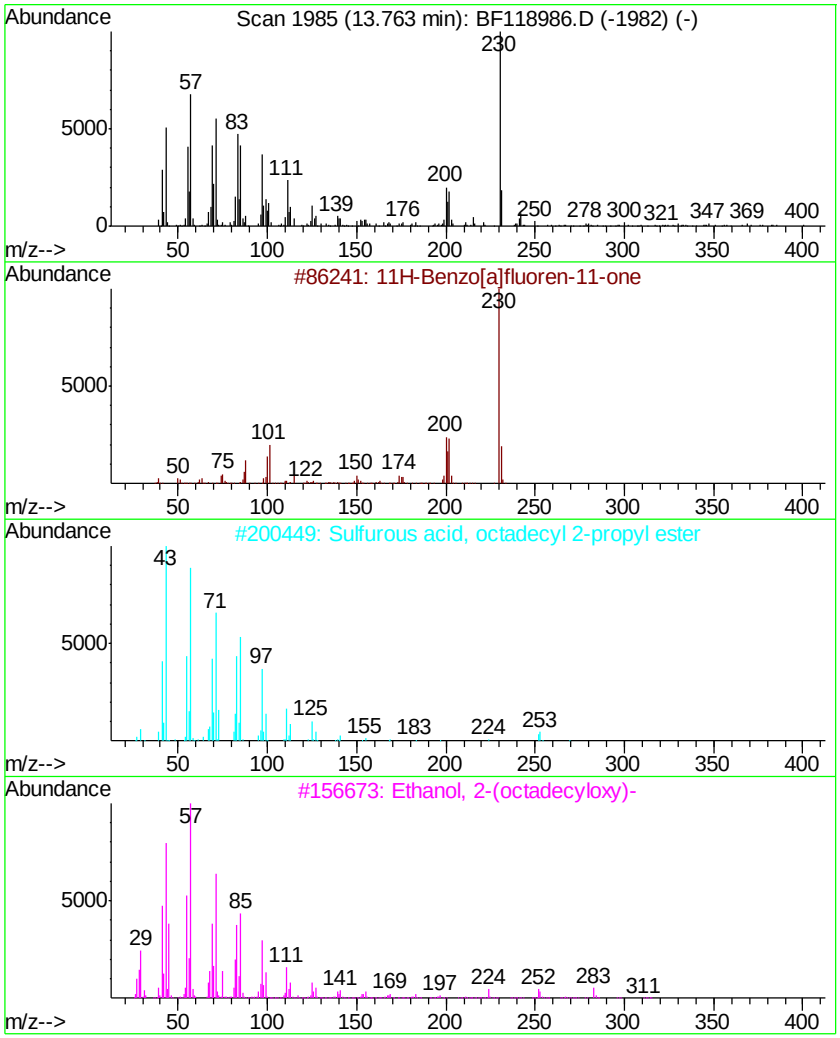
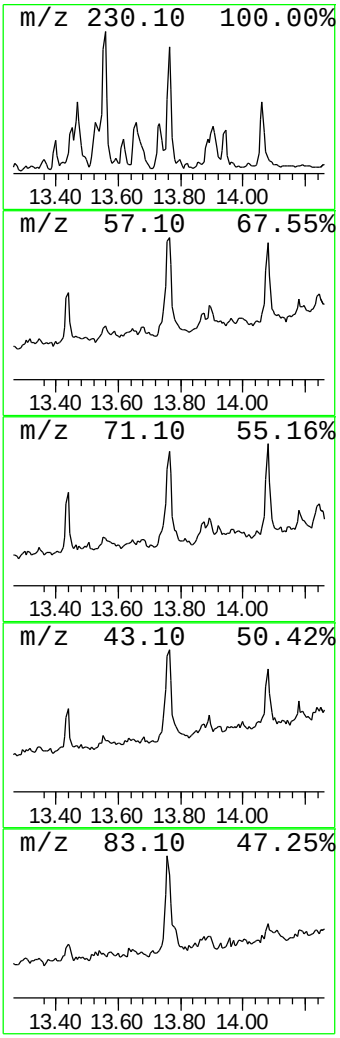
Peak Number 19 unknown13.76 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.13 ng	560945	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	46
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	45
3	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	43
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	42
5	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
Data File : BF118986.D
Acq On : 21 Feb 2020 4:20
Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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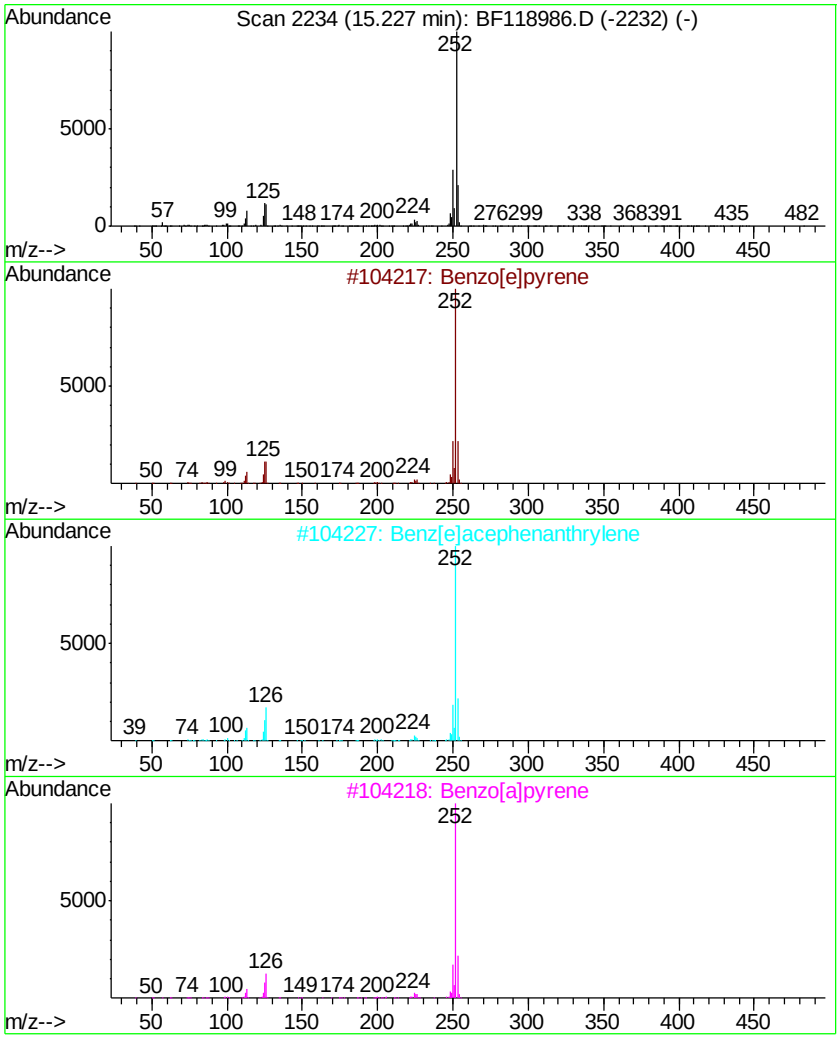
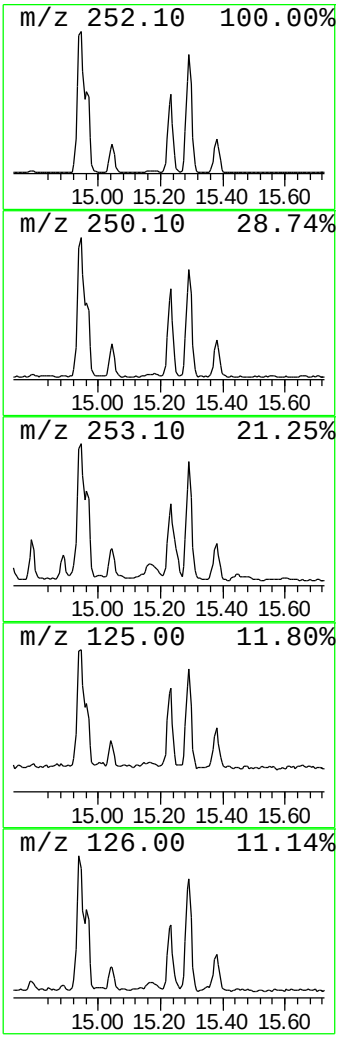
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	19.40 ng	815103	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022020\
Data File : BF118986.D
Acq On : 21 Feb 2020 4:20
Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
3-Hexen-2-one	4.33	10.0	ng	428360	1	6.76	854610	20.0
2-Pentanone, 4-hy...	4.96	25.3	ng	1082430	1	6.76	854610	20.0
Tridecane	10.70	4.6	ng	220182	4	11.27	954512	20.0
Nonane, 1-iodo-	11.15	3.5	ng	164749	4	11.27	954512	20.0
Dibenzothiophene	11.17	6.1	ng	289804	4	11.27	954512	20.0
Heptadecane	11.57	2.4	ng	114872	4	11.27	954512	20.0
Phenanthrene, 1-m...	11.78	5.3	ng	253867	4	11.27	954512	20.0
Phenanthrene, 2-m...	11.80	7.6	ng	363798	4	11.27	954512	20.0
4H-Cyclopenta[def...	11.89	12.6	ng	600974	4	11.27	954512	20.0
Eicosane	11.98	2.7	ng	127810	4	11.27	954512	20.0
1,2,4,8-Tetrameth...	12.07	4.5	ng	216557	4	11.27	954512	20.0
9,10-Anthracenedione	12.10	2.5	ng	121921	4	11.27	954512	20.0
di-p-Tolylacetylene	12.33	3.9	ng	186154	4	11.27	954512	20.0
Heneicosane	12.37	4.2	ng	200709	4	11.27	954512	20.0
Cyclopenta(def)ph...	12.42	2.5	ng	119417	4	11.27	954512	20.0
11H-Benzo[b]fluorene	13.05	4.3	ng	577567	5	13.92	2718890	20.0
11H-Benzo[a]fluorene	13.11	3.6	ng	484695	5	13.92	2718890	20.0
unknown13.76	13.76	4.1	ng	560945	5	13.92	2718890	20.0
Benzo[e]pyrene	15.23	19.4	ng	815103	6	15.35	840461	20.0