LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113567.D
Acq On : 4 Apr 2019 2:49
Operator : JU/SJ
Sample : K2203-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-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-BF040319.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	5.298	542	546	569	rBV	884224	1109061	28.10%	2.733%
2	6.328	718	721	737	rBV	983712	1176744	29.81%	2.900%
3	6.457	739	743	752	rVV	1308036	1161386	29.42%	2.862%
4	6.522	752	754	767	rVB	139456	176389	4.47%	0.435%
5	6.686	778	782	791	rVB	786084	667552	16.91%	1.645%
6	6.839	805	808	821	rBV	1132944	938869	23.79%	2.314%
7	7.245	874	877	884	rBV	687239	639650	16.21%	1.576%
8	7.969	996	1000	1007	rBV	837167	779556	19.75%	1.921%
9	9.045	1179	1183	1194	rBV	1557146	1236853	31.34%	3.048%
10	9.439	1247	1250	1255	rVB	84692	86166	2.18%	0.212%
11	9.586	1272	1275	1279	rBV	72931	69974	1.77%	0.172%
12	9.722	1293	1298	1301	rBV	963990	795860	20.16%	1.961%
13	9.751	1301	1303	1309	rVB	239733	218335	5.53%	0.538%
14	9.927	1330	1333	1336	rBV	119159	99730	2.53%	0.246%
15	10.269	1388	1391	1397	rBV	342330	283286	7.18%	0.698%
16	10.427	1416	1418	1421	rVB	59561	49389	1.25%	0.122%
17	10.510	1429	1432	1439	rBV	778545	752216	19.06%	1.854%
18	10.621	1448	1451	1461	rVB3	65372	122461	3.10%	0.302%
19	10.821	1479	1485	1487	rBV2	54624	70739	1.79%	0.174%
20	11.016	1515	1518	1522	rVB	78035	64461	1.63%	0.159%
21	11.104	1528	1533	1538	rVB	152656	177331	4.49%	0.437%
22	11.204	1546	1550	1552	rBV	954371	875454	22.18%	2.157%
23	11.233	1552	1555	1558	rVV	2845883	2502107	63.39%	6.166%
24	11.280	1558	1563	1567	rVB	824073	700418	17.75%	1.726%
25	11.439	1586	1590	1593	rBV	136882	134120	3.40%	0.330%
26	11.498	1598	1600	1604	rVV2	72635	80544	2.04%	0.198%
27	11.539	1604	1607	1612	rVV2	39332	60767	1.54%	0.150%
28	11.621	1615	1621	1625	rVB2	28031	48383	1.23%	0.119%
29	11.704	1632	1635	1638	rBV	242562	239615	6.07%	0.590%
30	11.733	1638	1640	1645	rVB	301023	300066	7.60%	0.739%
31	11.780	1645	1648	1651	rVB	108976	98156	2.49%	0.242%
32	11.821	1651	1655	1657	rBV	553939	589787	14.94%	1.453%
33	11.998	1682	1685	1688	rBV	216010	196297	4.97%	0.484%
34	12.033	1688	1691	1695	rVB	178522	164486	4.17%	0.405%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2203-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.151	1706	1711	1714	rBV2	65341	76395	1.94%	0.188%
36	12.186	1714	1717	1719	rVV	61352	58899	1.49%	0.145%
37	12.257	1725	1729	1732	rBV	144821	149383	3.78%	0.368%
38	12.292	1732	1735	1741	rVB3	109150	185022	4.69%	0.456%
39	12.351	1741	1745	1749	rBV	142833	170871	4.33%	0.421%
40	12.421	1753	1757	1761	rBV	3575832	3877846	98.25%	9.556%
41	12.486	1766	1768	1770	rVB2	68665	58689	1.49%	0.145%
42	12.568	1778	1782	1785	rBV	131840	133196	3.37%	0.328%
43	12.651	1789	1796	1799	rBV2	3367962	3947094	100.00%	9.726%
44	12.698	1801	1804	1809	rVB2	136480	157087	3.98%	0.387%
45	12.786	1816	1819	1822	rVB	1498609	1183819	29.99%	2.917%
46	12.868	1827	1833	1836	rBV2	193978	312520	7.92%	0.770%
47	12.898	1836	1838	1840	rVB	77607	60040	1.52%	0.148%
48	12.951	1844	1847	1848	rBV3	158651	156884	3.97%	0.387%
49	12.974	1848	1851	1854	rVB	532650	484999	12.29%	1.195%
50	13.039	1858	1862	1865	rBV	428801	390713	9.90%	0.963%
51	13.080	1865	1869	1876	rVB2	266241	330103	8.36%	0.813%
52	13.133	1876	1878	1881	rBV3	48775	53907	1.37%	0.133%
53	13.168	1881	1884	1887	rBV	127379	111531	2.83%	0.275%
54	13.198	1887	1889	1893	rBV3	142818	148086	3.75%	0.365%
55	13.462	1931	1934	1936	rBV	47753	67840	1.72%	0.167%
56	13.486	1936	1938	1945	rVB	169464	166597	4.22%	0.411%
57	13.592	1953	1956	1958	rBV	299926	267449	6.78%	0.659%
58	13.615	1958	1960	1962	rVB	209894	147796	3.74%	0.364%
59	13.645	1962	1965	1966	rBV	193604	154529	3.92%	0.381%
60	13.698	1971	1974	1976	rVB	182411	175889	4.46%	0.433%
61	13.839	1991	1998	2001	rBV2	1870006	2788551	70.65%	6.871%
62	13.868	2001	2003	2007	rVB	1308122	1216167	30.81%	2.997%
63	13.951	2014	2017	2020	rVB	376742	317667	8.05%	0.783%
64	13.992	2022	2024	2026	rBV	107214	104358	2.64%	0.257%
65	14.192	2056	2058	2060	rBV	87213	89271	2.26%	0.220%
66	14.227	2062	2064	2067	rVV	199721	196439	4.98%	0.484%
67	14.262	2068	2070	2072	rVB2	93568	76799	1.95%	0.189%
68	14.351	2083	2085	2087	rBV	126501	129253	3.27%	0.318%
69	14.374	2087	2089	2092	rVB	156497	128609	3.26%	0.317%
70	14.609	2127	2129	2133	rBV2	144610	152207	3.86%	0.375%
71	14.862	2167	2172	2179	rBV	1021848	1900935	48.16%	4.684%

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Sample : K2203-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.921	2180	2182	2185	rVV2	158876	168331	4.26%	0.415%
73	14.956	2186	2188	2192	rVB	160270	158258	4.01%	0.390%
74	15.139	2216	2219	2225	rVB	564782	683706	17.32%	1.685%
75	15.198	2225	2229	2234	rBV	827539	1024281	25.95%	2.524%
76	15.256	2235	2239	2242	rBV	475691	657198	16.65%	1.619%
77	16.621	2467	2471	2477	rVB	337978	578570	14.66%	1.426%
78	17.033	2537	2541	2550	rVB	262468	517984	13.12%	1.276%

Sum of corrected areas: 40581976

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
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Misc :
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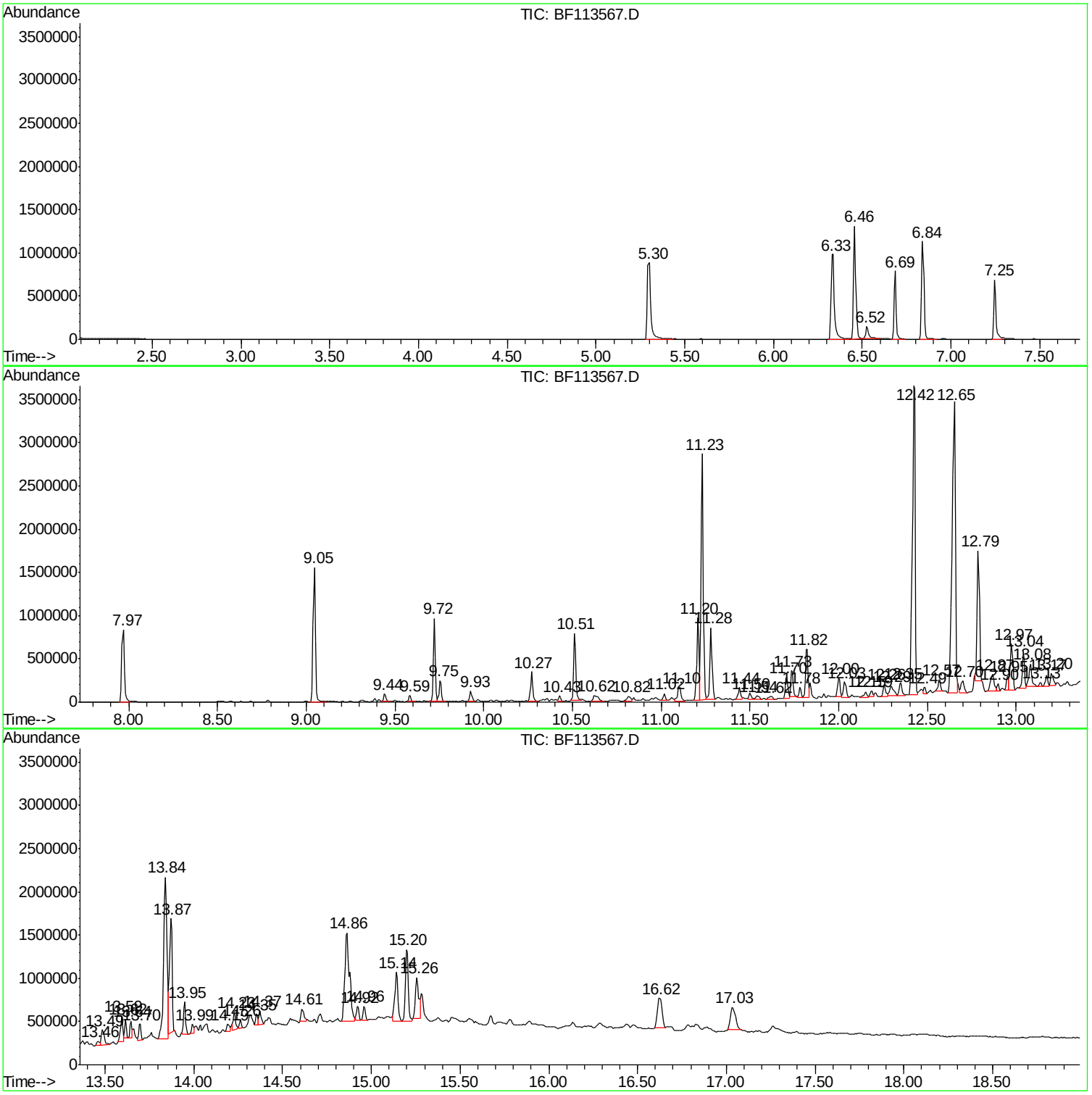
Instrument :
BNA_F
ClientSampleId :
SU-03-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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Data File : BF113567.D
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

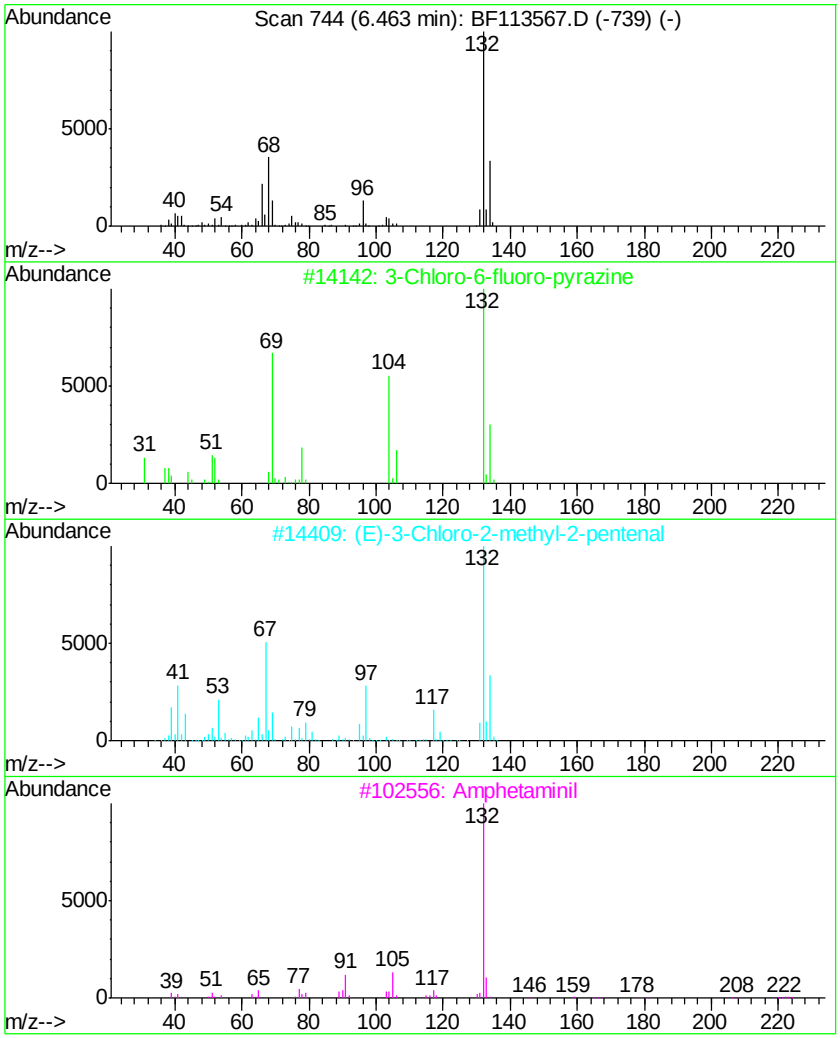
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

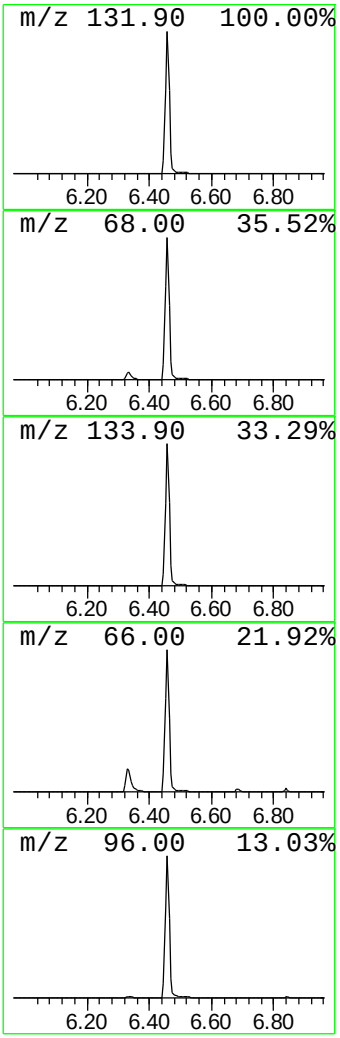
****

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	34.80 ng	1161390	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113567.D
Acq On : 4 Apr 2019 2:49
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Sample : K2203-03 2X
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

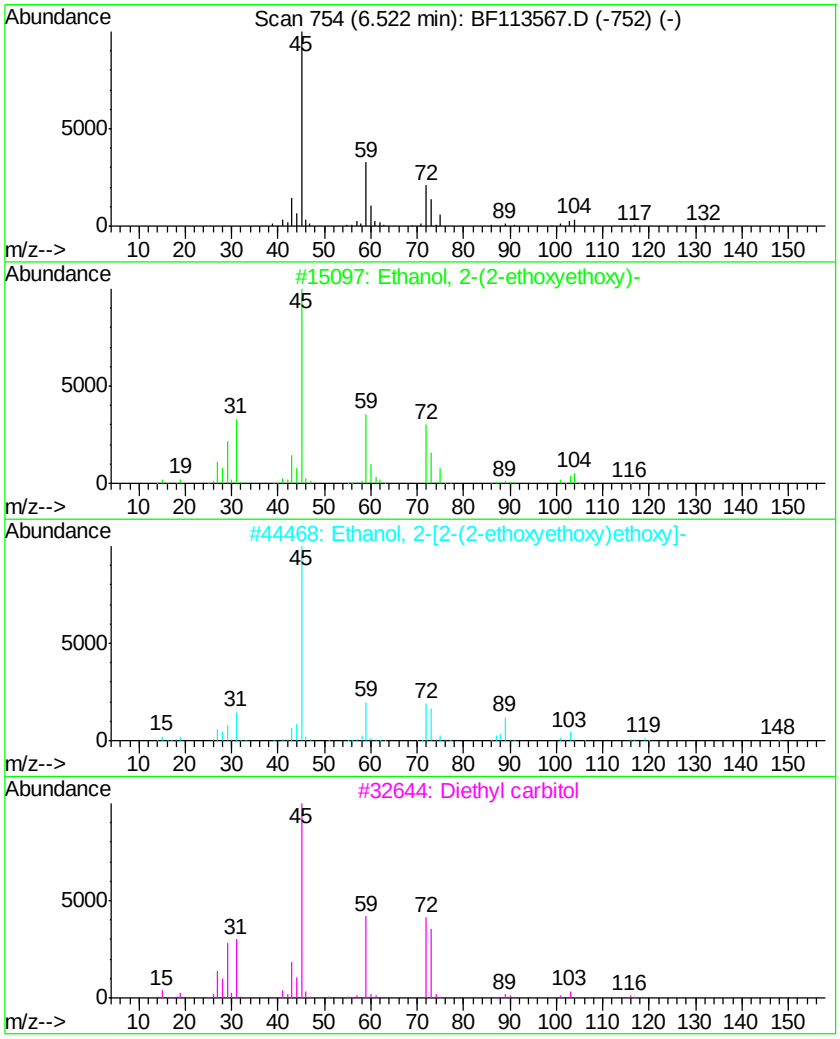
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

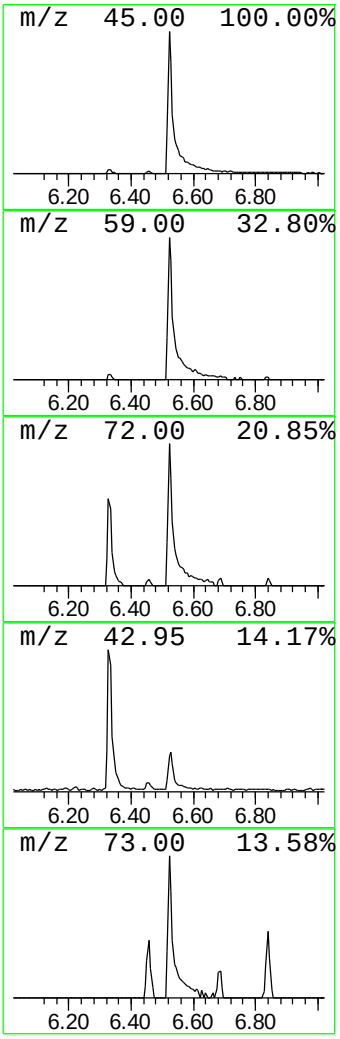
****

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	5.28 ng	176389	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	39
3	Diethyl carbitol	162	C8H18O3	000112-36-7	38
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	38
5	CH3OCH2C(O)OCH(CH3)2	132	C6H12O3	017640-21-0	38





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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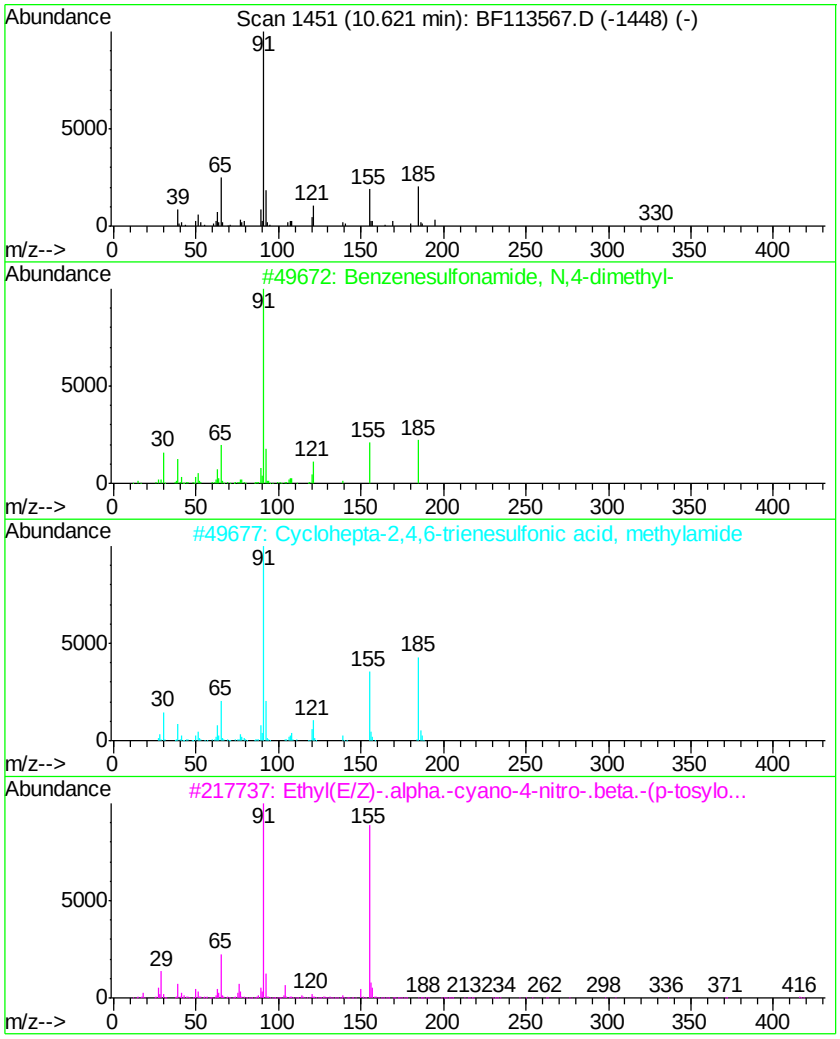
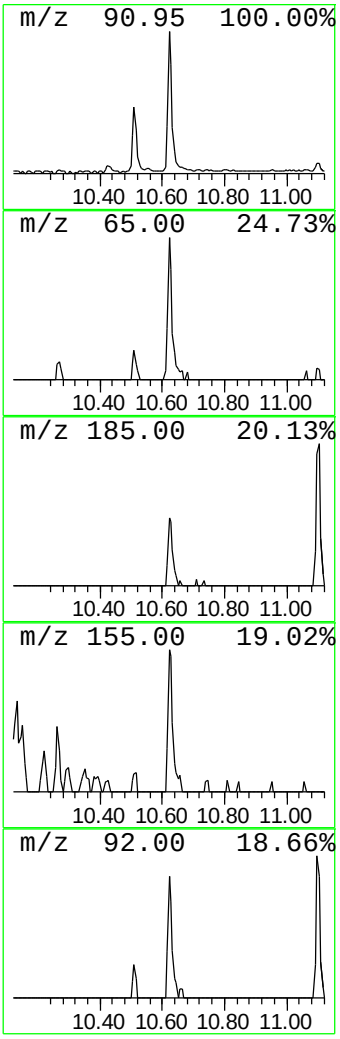
****

Peak Number 4 Benzenesulfonamide, N,4-dim... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	2.80 ng	122461	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N,4-dimethyl-	185	C8H11NO2S	000640-61-9	94
2	Cyclohepta-2,4,6-trienesulfonic ...	185	C8H11NO2S	1000187-28-7	52
3	Ethyl(E/Z)-.alpha.-cyano-4-nitro...	416	C19H16N2O7S	1000287-26-8	50
4	(O-p-Tosylisonitroso)malononitrile	249	C10H7N3O3S	020893-01-0	47
5	p-Toluenesulfonylacetonitrile	195	C9H9NO2S	005697-44-9	43





Library Search Compound Report

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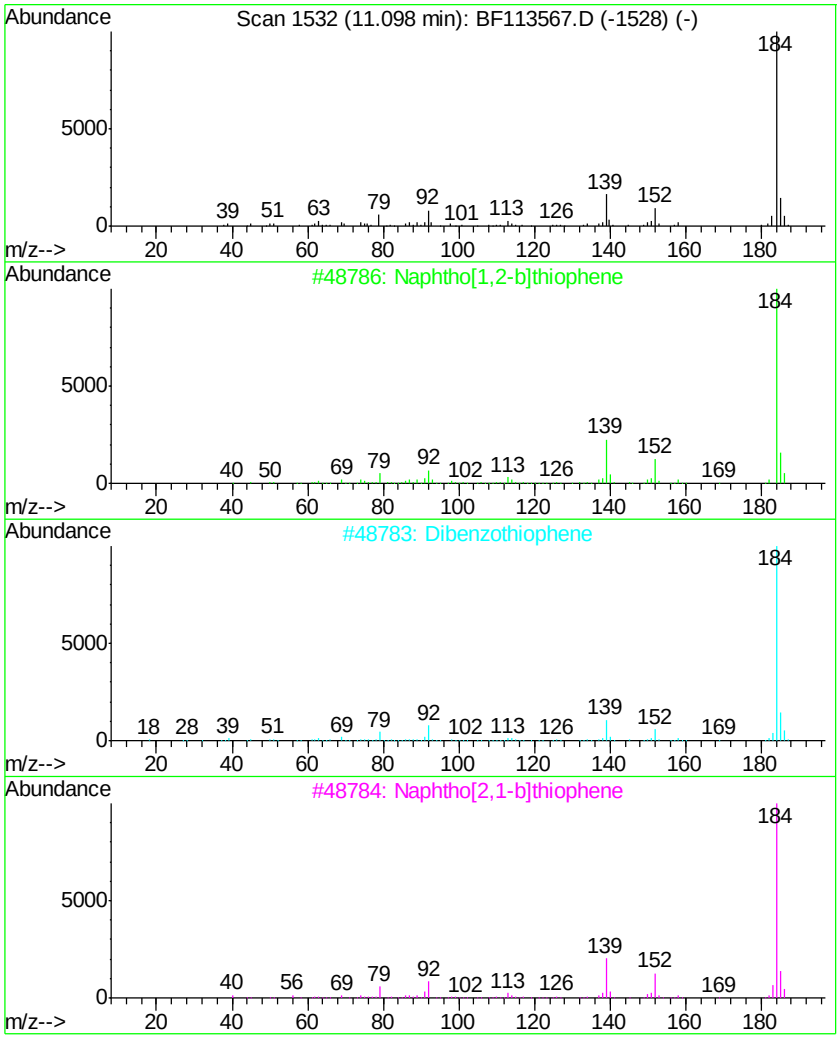
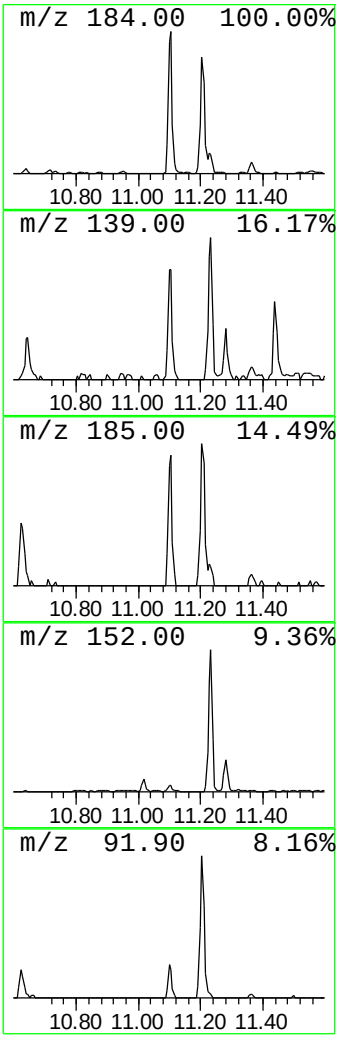
****

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	4.05 ng	177331	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Instrument : BNA_F
ClientSampleId : SU-03-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

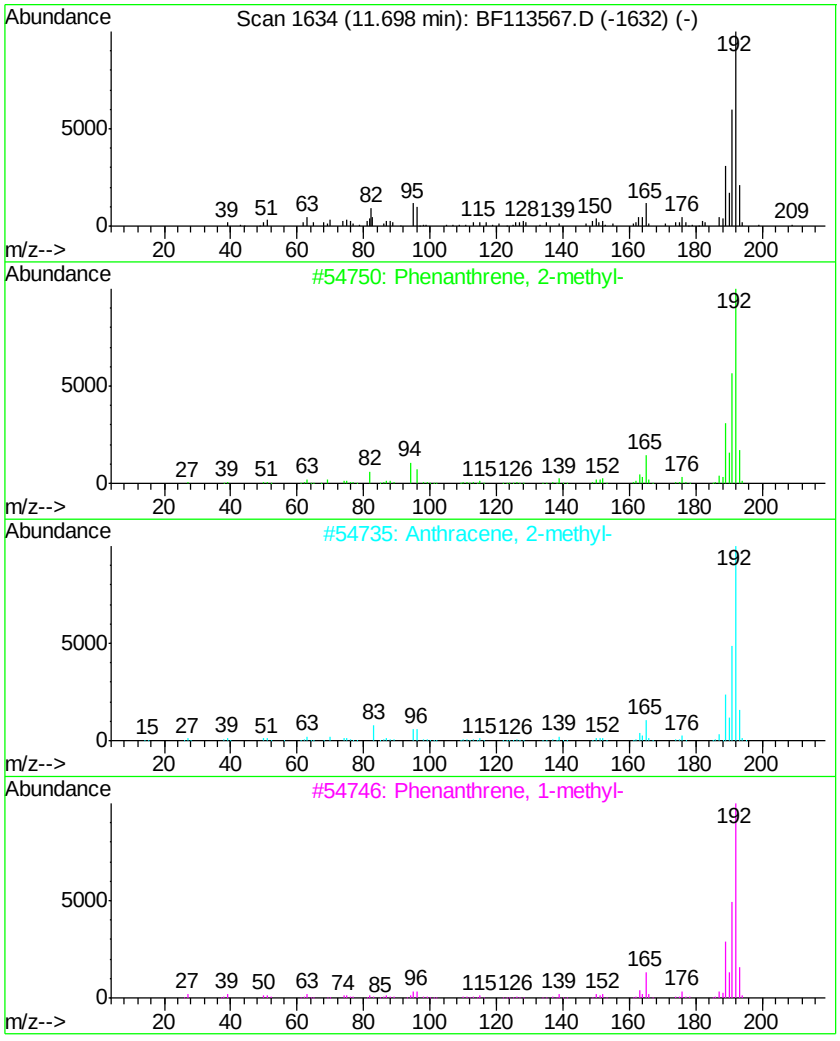
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

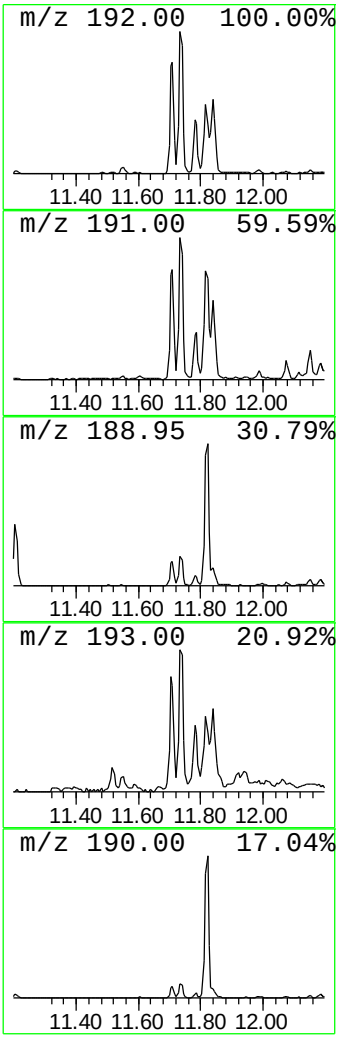
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	5.47 ng	239615	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113567.D
Acq On : 4 Apr 2019 2:49
Operator : JU/SJ
Sample : K2203-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

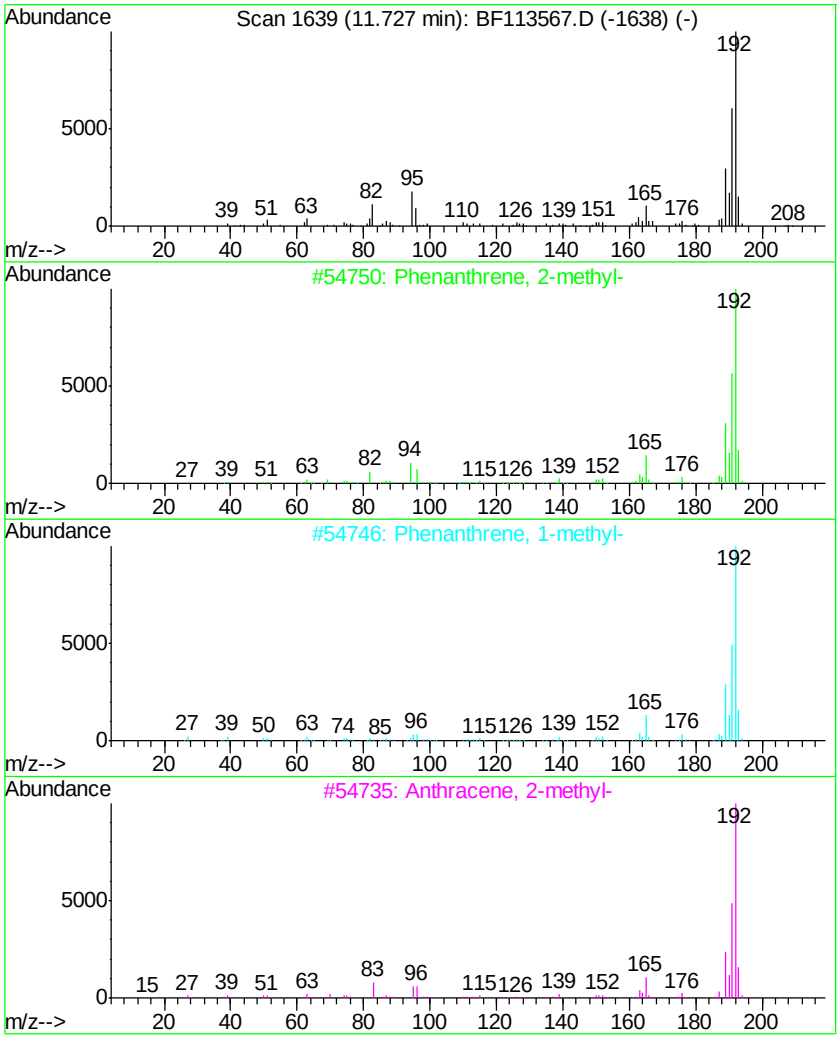
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

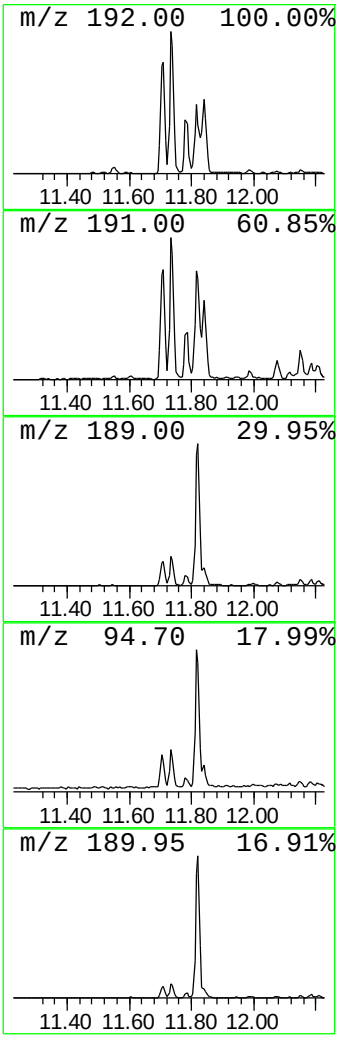
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.86 ng	300066	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : K2203-03 2X
Misc :
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ClientSampleId : SU-03-040219-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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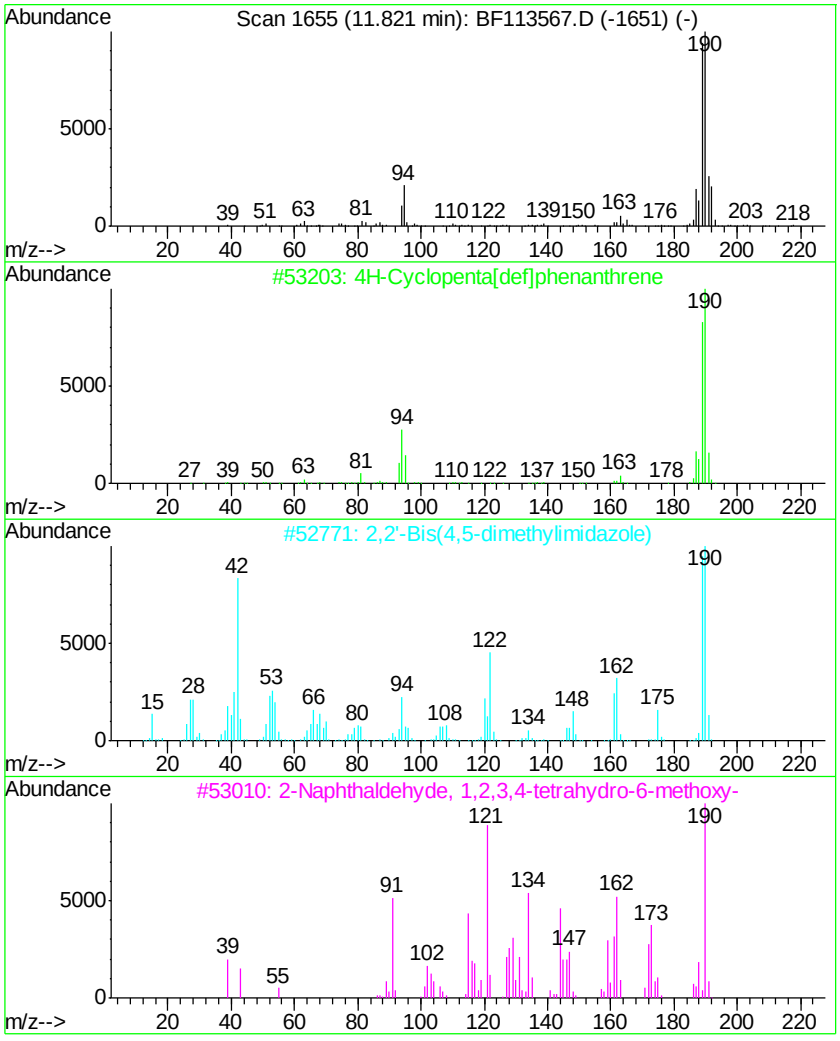
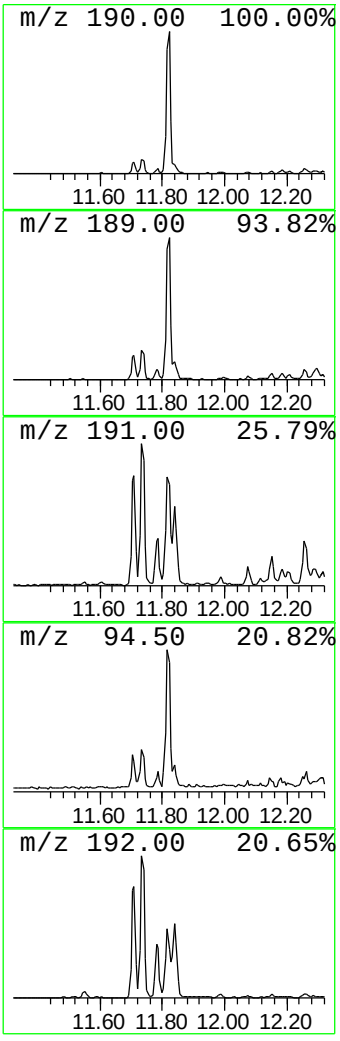
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	13.47 ng	589787	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5	Methyl diselenide	190	C2H6Se2	007101-31-7	16





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Instrument : BNA_F
ClientSampleId : SU-03-040219-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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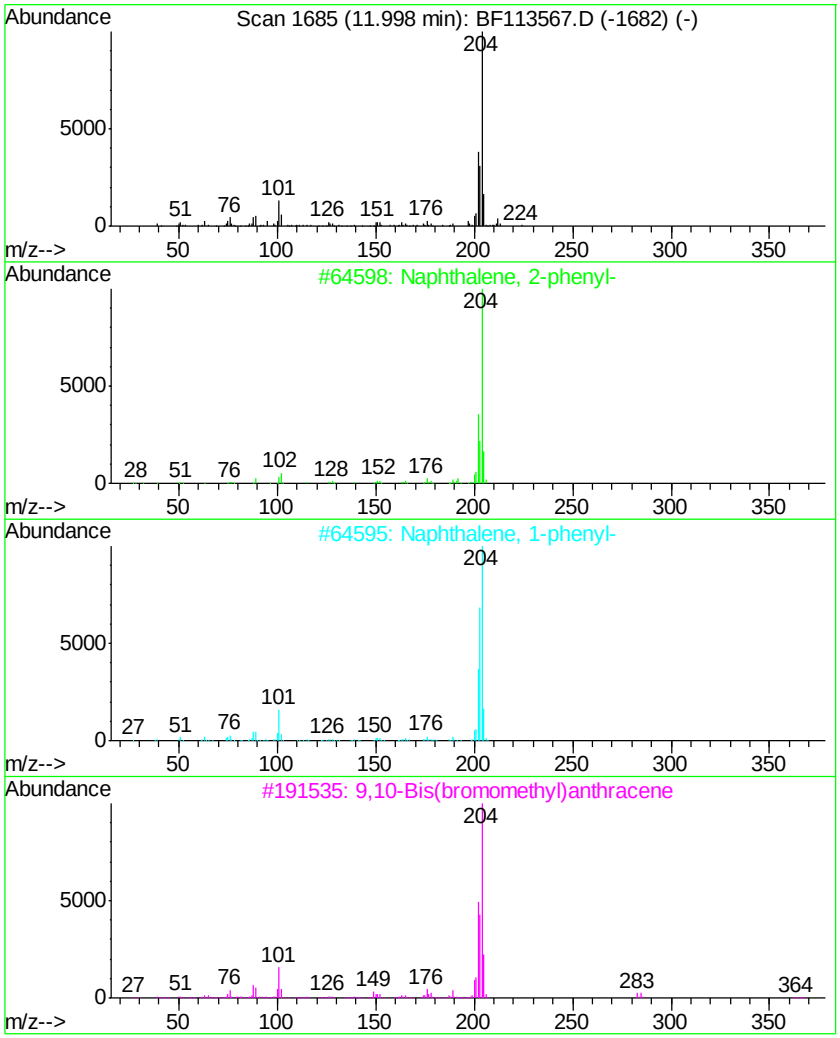
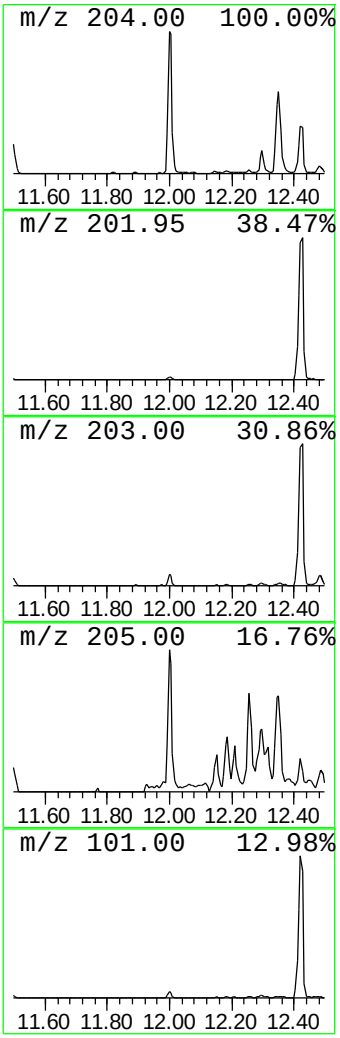
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.48 ng	196297	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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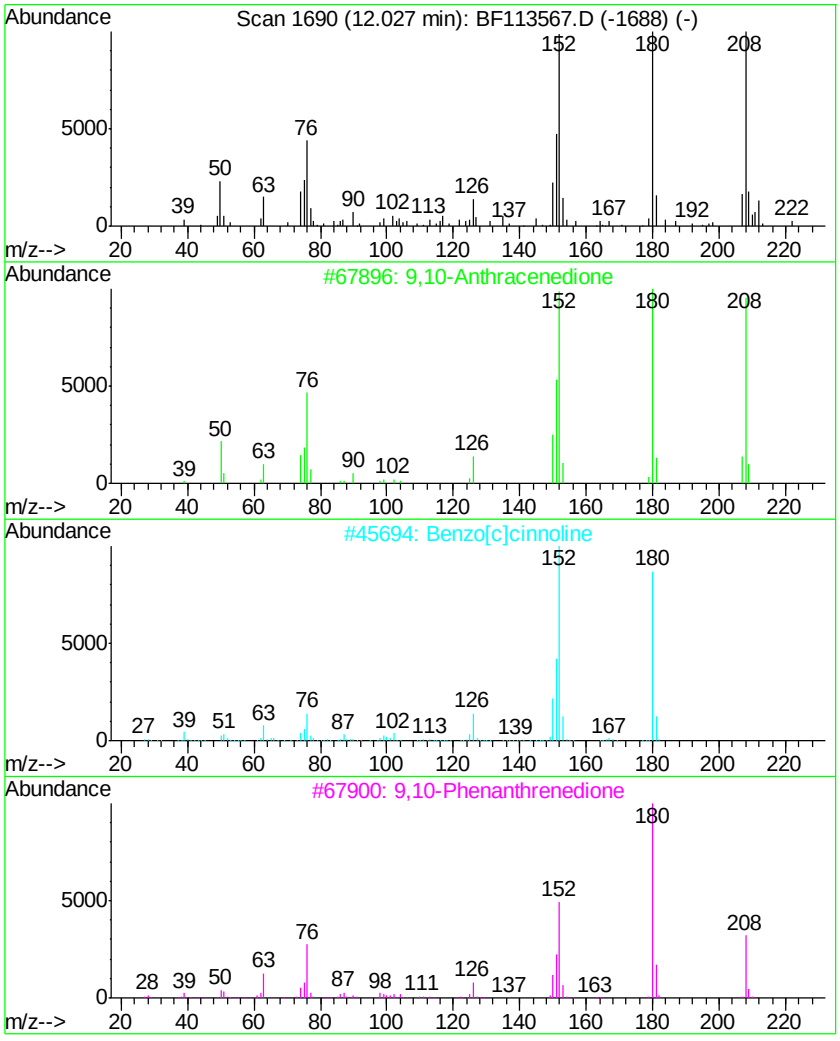
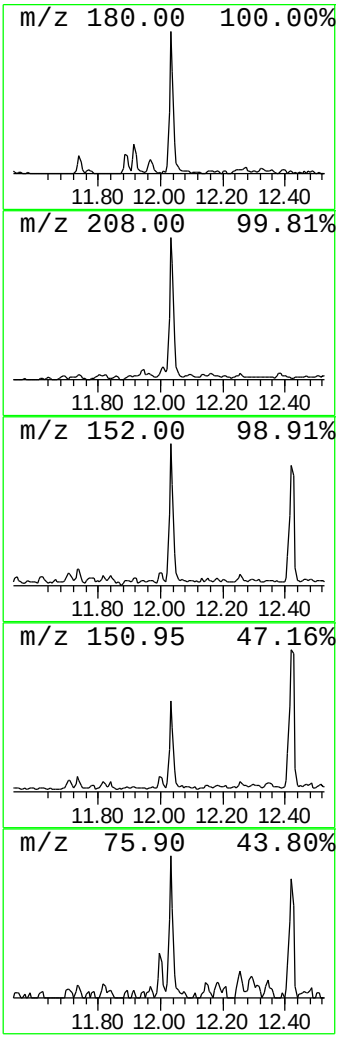
Peak Number 10 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.76 ng	164486	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	97
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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

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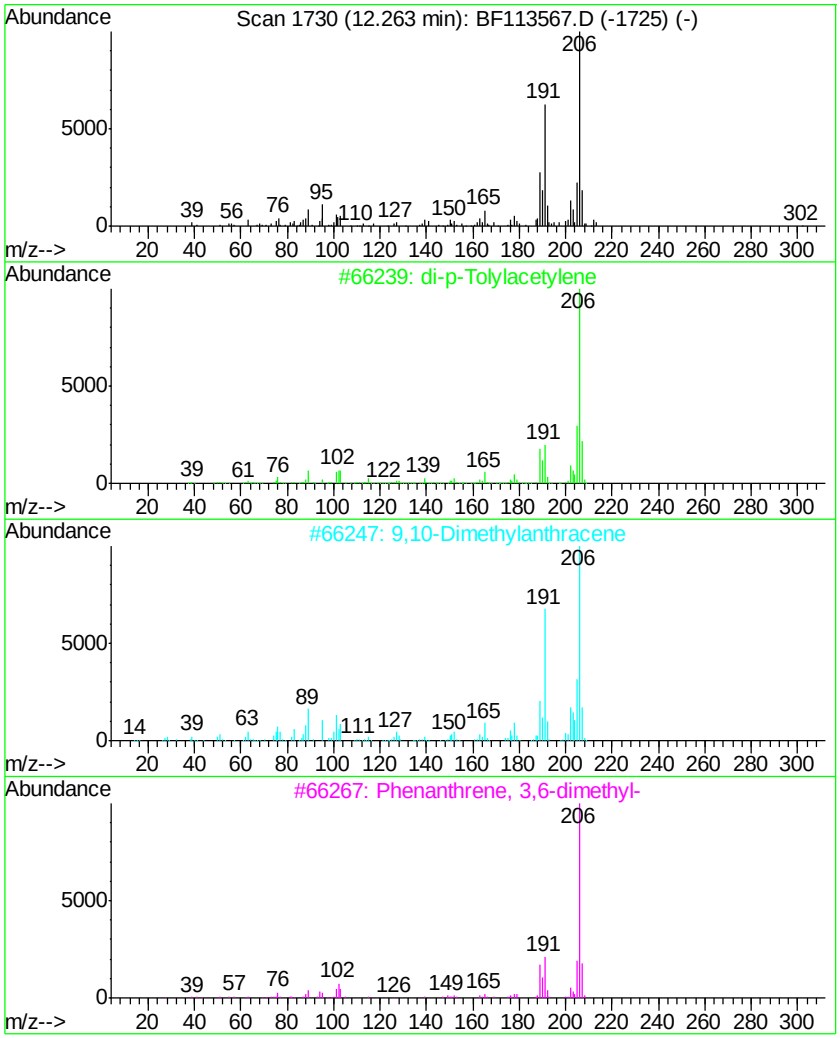
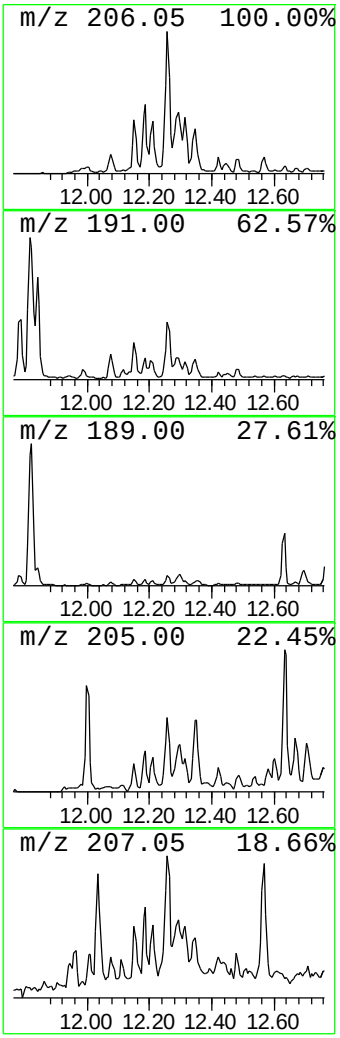
Peak Number 11 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.41 ng	149383	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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

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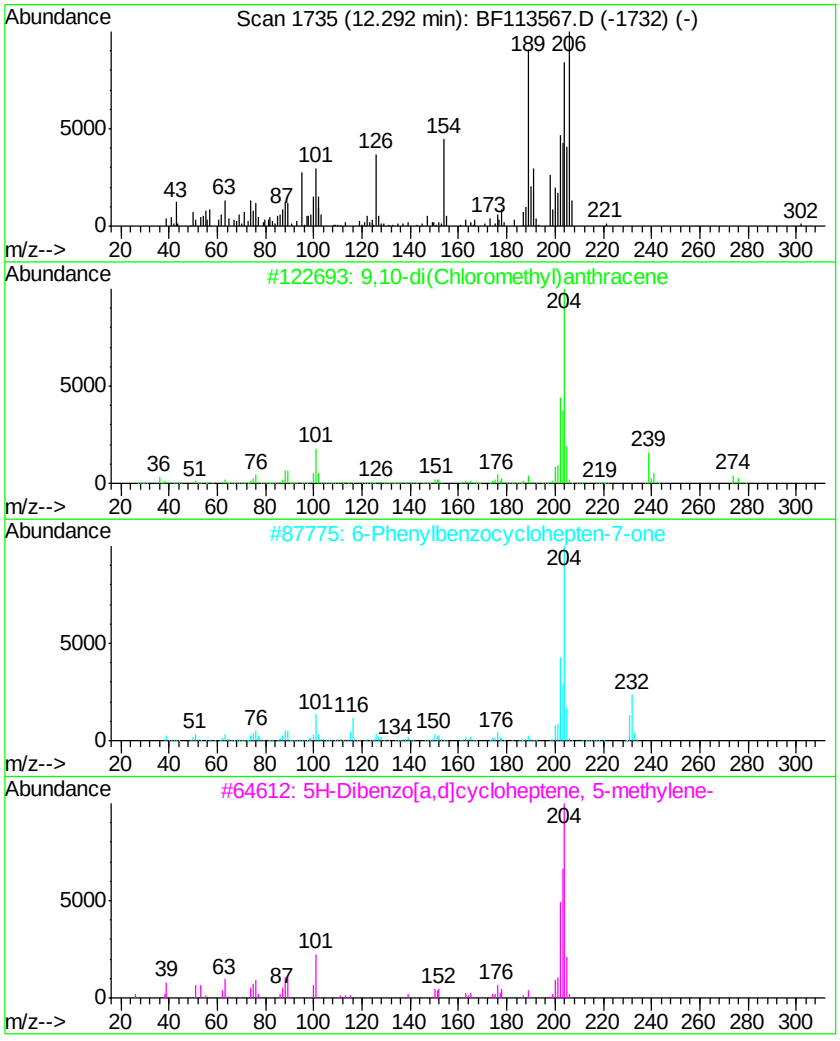
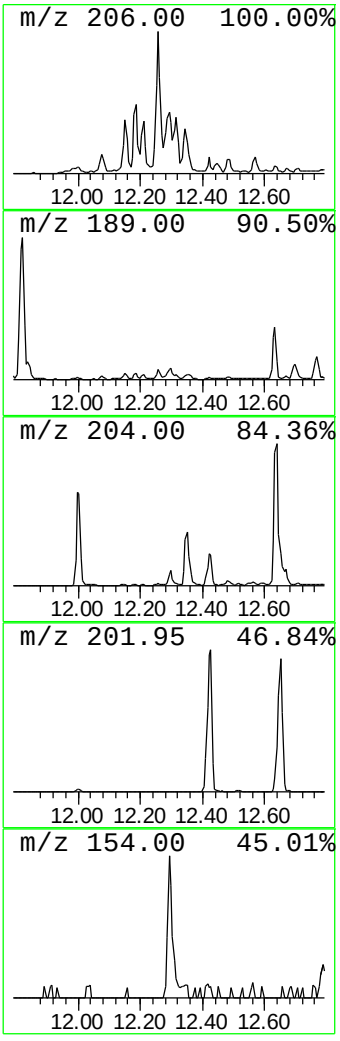
Peak Number 12 unknown12.29 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.23 ng	185022	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	22
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	20
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	18
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	18





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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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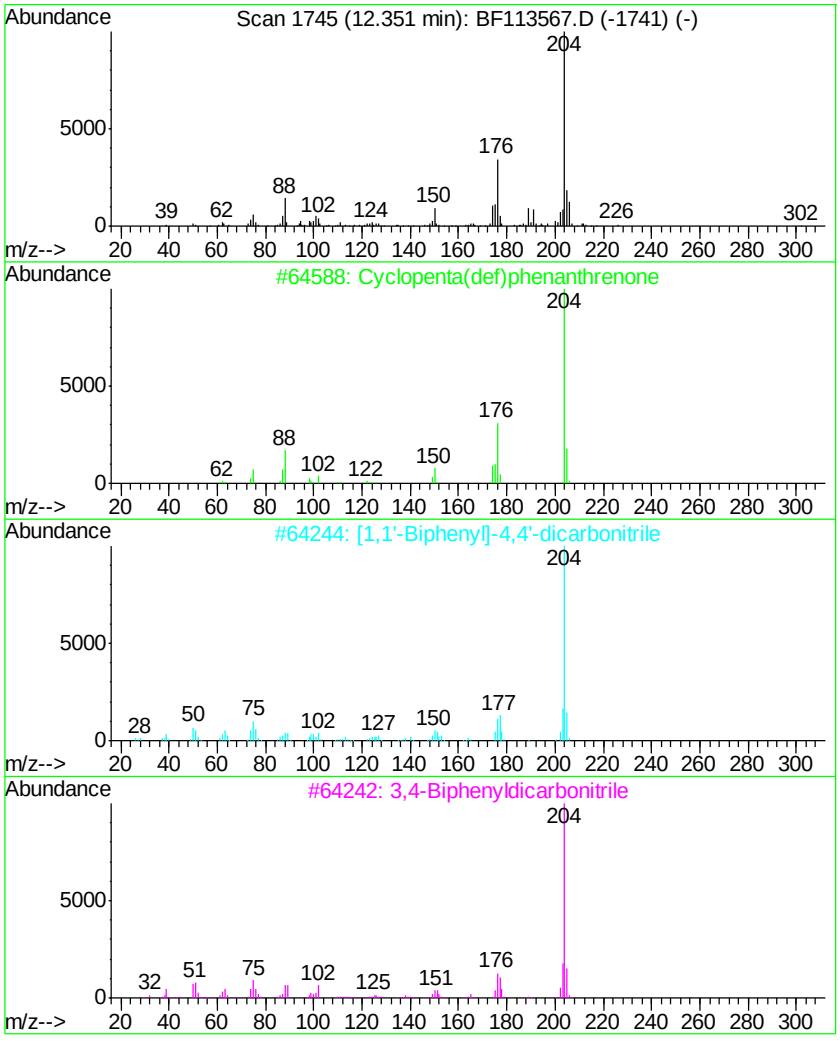
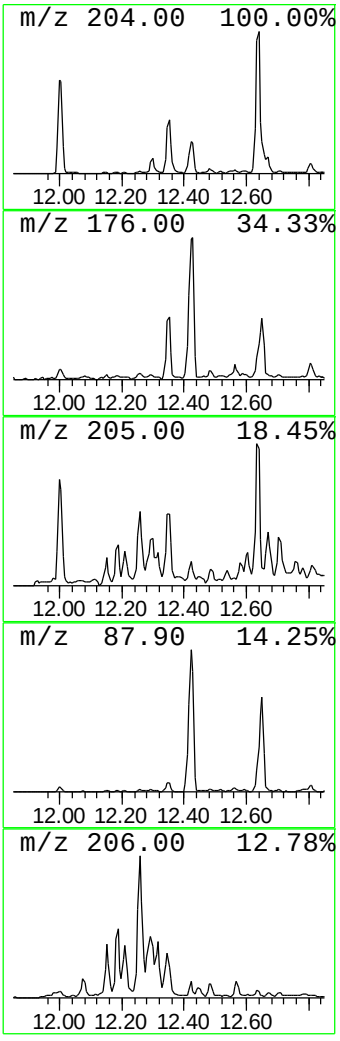
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.90 ng	170871	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	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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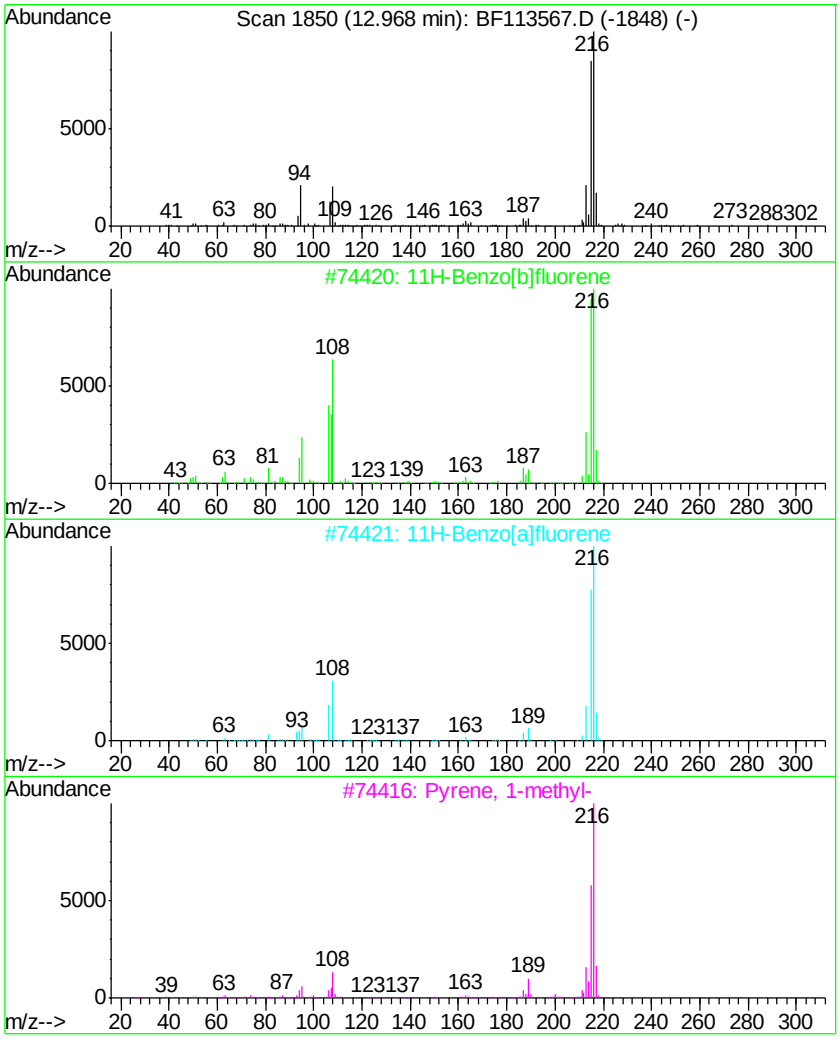
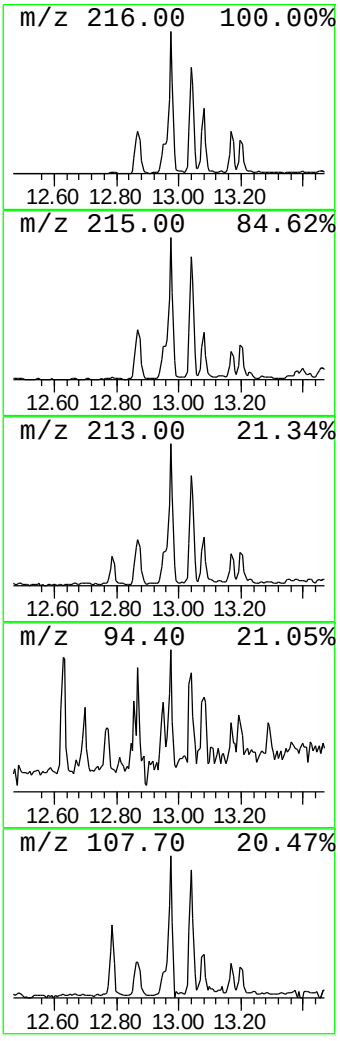
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.48 ng	484999	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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TIC Library : C:\DATABASE\NIST11.L
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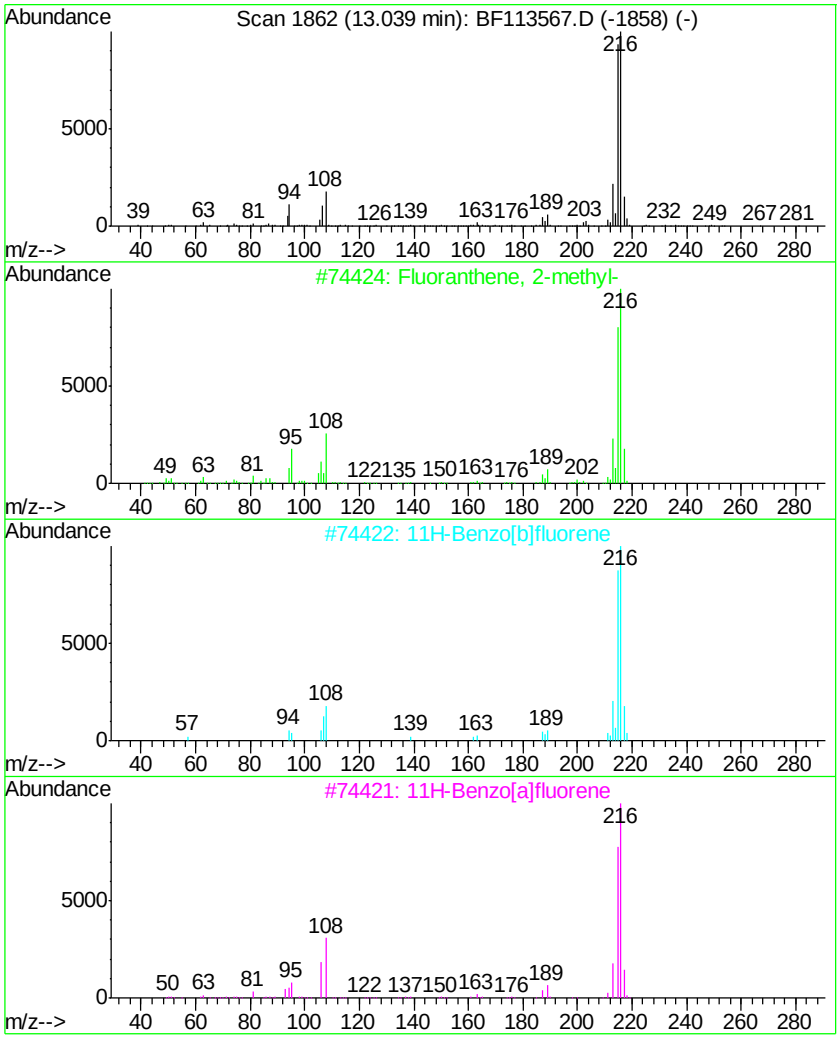
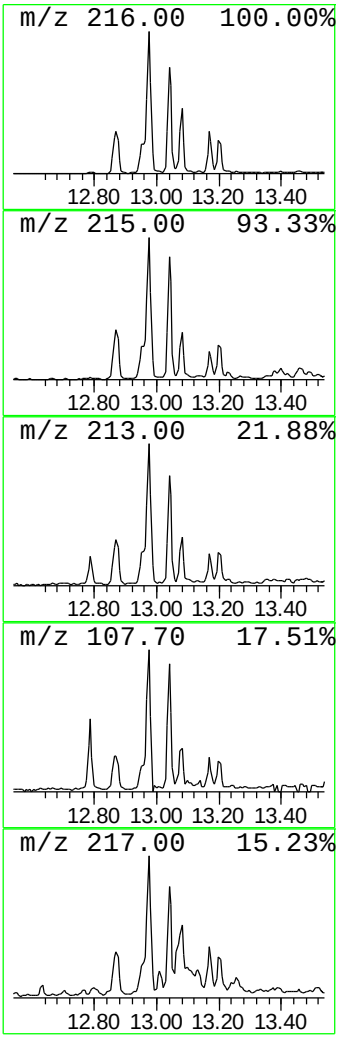
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.80 ng	390713	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	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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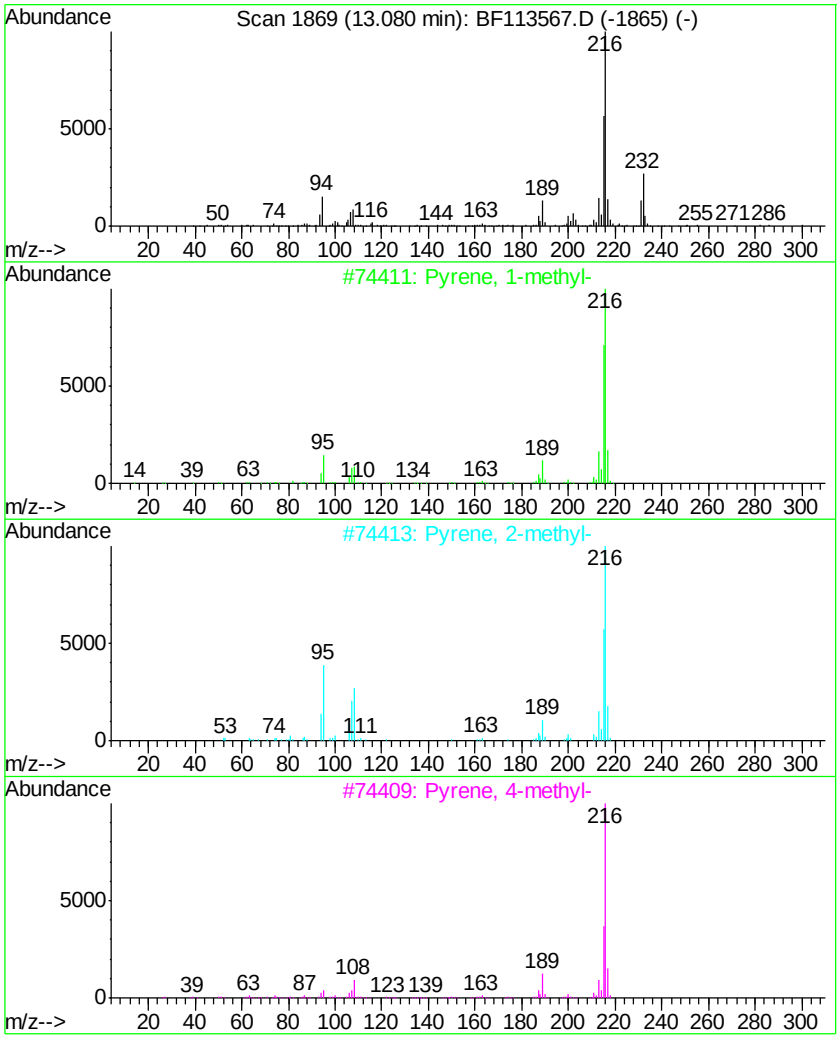
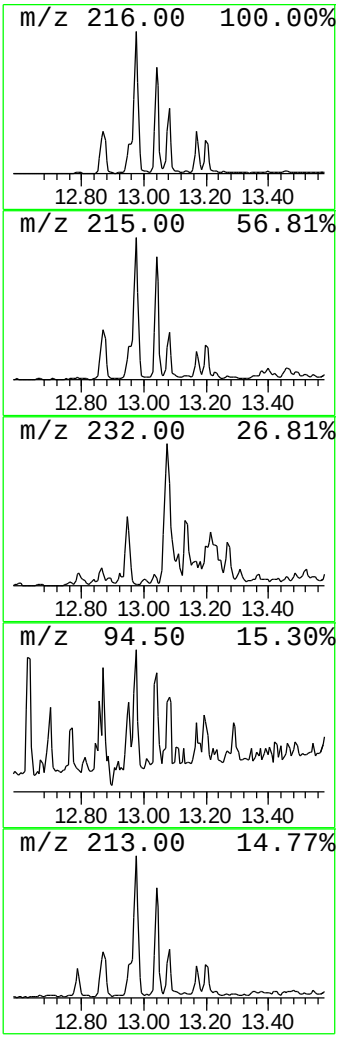
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.37 ng	330103	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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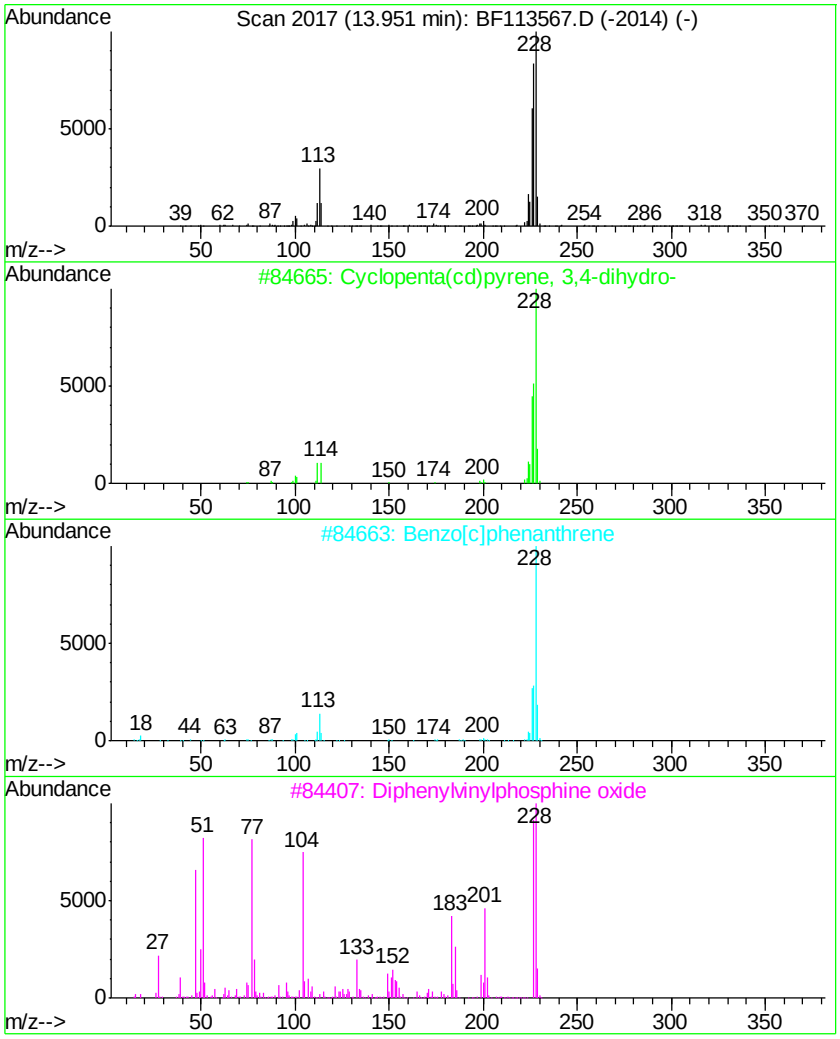
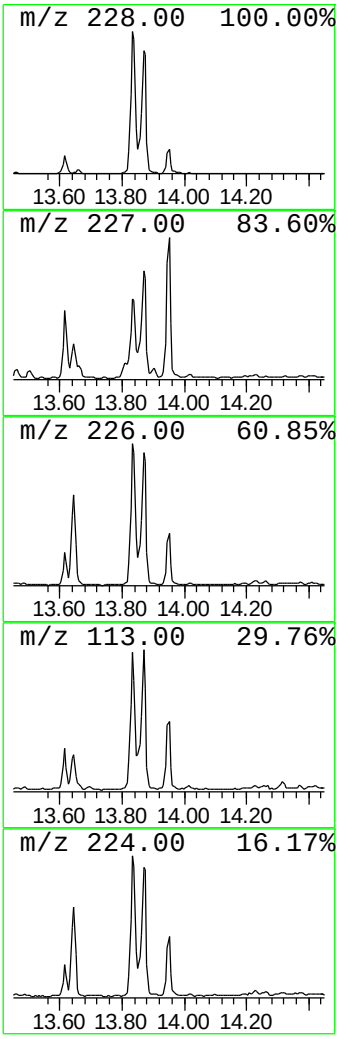
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.28 ng	317667	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
5	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	46





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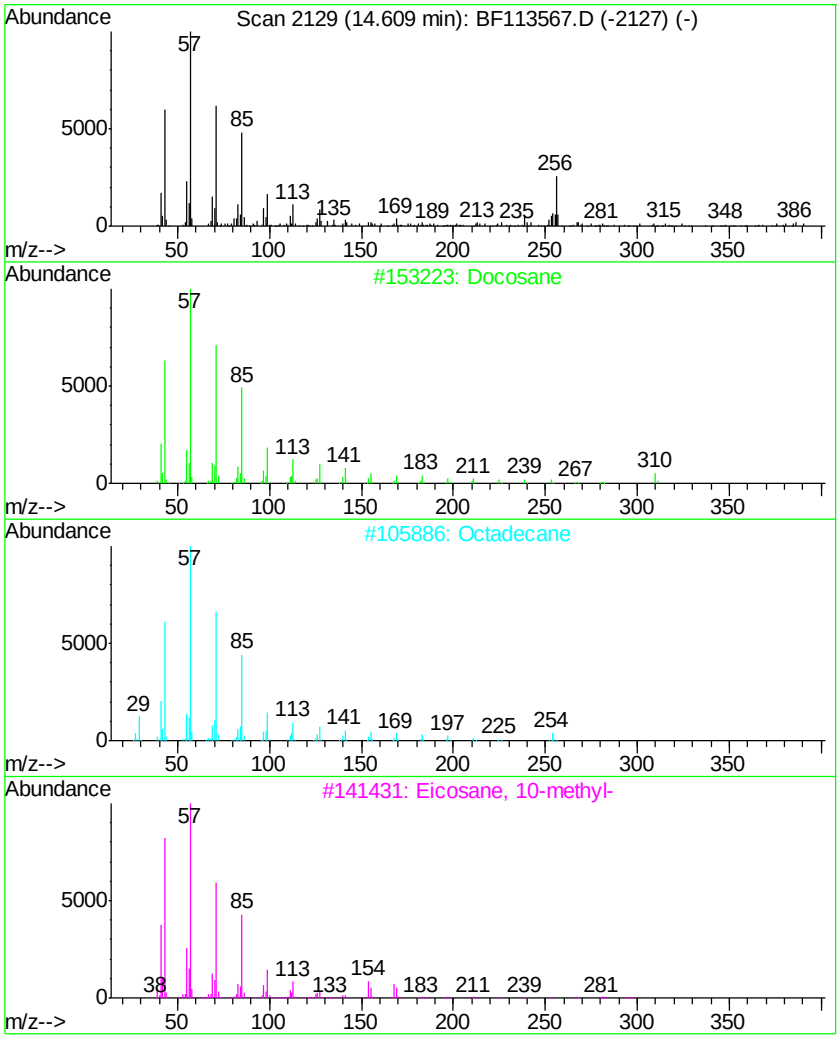
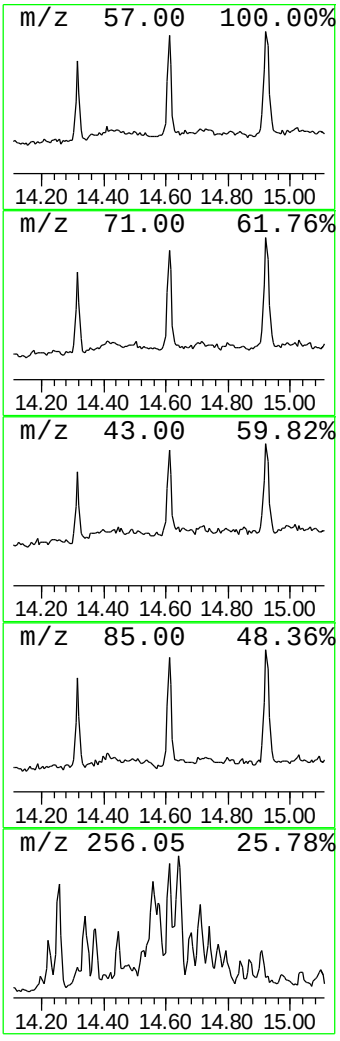
Peak Number 18 Docosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	4.63 ng	152207	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	93
2	Octadecane	254	C18H38	000593-45-3	90
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	83
4	Pentacosane	352	C25H52	000629-99-2	74
5	Hexacosane	366	C26H54	000630-01-3	74





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

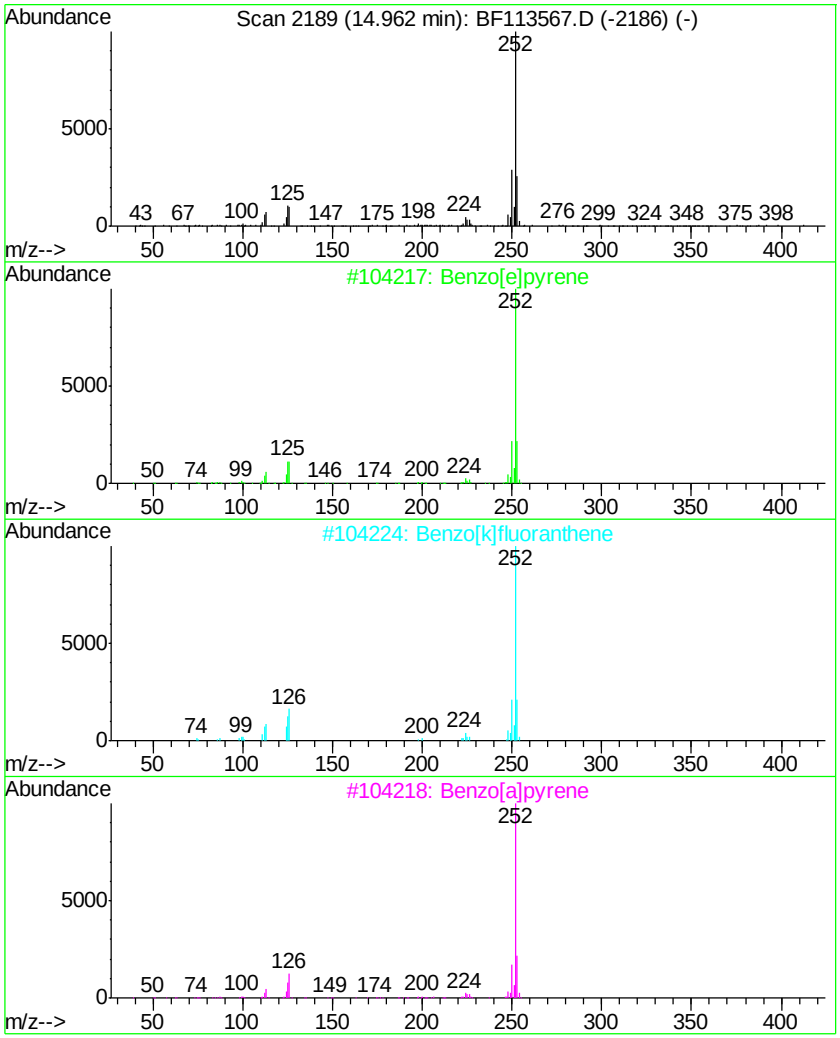
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

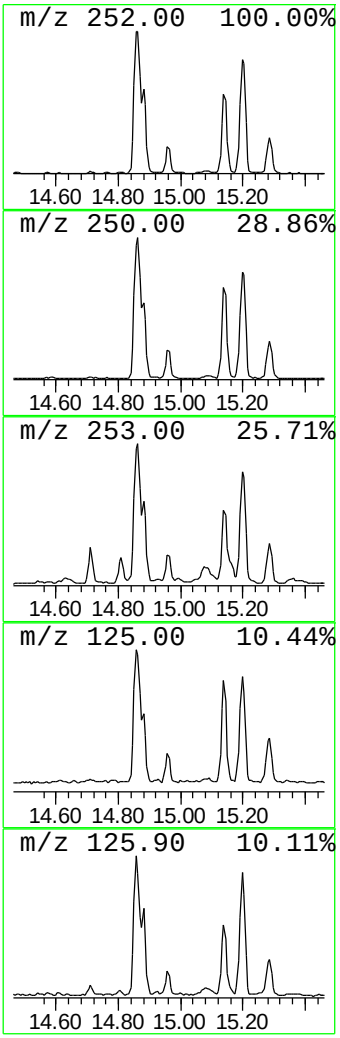
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	4.82 ng	158258	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113567.D
Acq On : 4 Apr 2019 2:49
Operator : JU/SJ
Sample : K2203-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.46	6.46	34.8	ng	1161390	1	6.69	667552	20.0
Ethanol, 2-(2-eth...	6.52	5.3	ng	176389	1	6.69	667552	20.0
Benzenesulfonamid...	10.62	2.8	ng	122461	4	11.20	875454	20.0
Naphtho[1,2-b]thi...	11.10	4.0	ng	177331	4	11.20	875454	20.0
Phenanthrene, 2-m...	11.70	5.5	ng	239615	4	11.20	875454	20.0
Phenanthrene, 1-m...	11.73	6.9	ng	300066	4	11.20	875454	20.0
4H-Cyclopenta[def...	11.82	13.5	ng	589787	4	11.20	875454	20.0
Naphthalene, 2-ph...	12.00	4.5	ng	196297	4	11.20	875454	20.0
9,10-Anthracenedione	12.03	3.8	ng	164486	4	11.20	875454	20.0
di-p-Tolylacetylene	12.26	3.4	ng	149383	4	11.20	875454	20.0
unknown12.29	12.29	4.2	ng	185022	4	11.20	875454	20.0
Cyclopenta(def)ph...	12.35	3.9	ng	170871	4	11.20	875454	20.0
11H-Benzo[b]fluorene	12.97	3.5	ng	484999	5	13.84	2788550	20.0
Fluoranthene, 2-m...	13.04	2.8	ng	390713	5	13.84	2788550	20.0
Pyrene, 1-methyl-	13.08	2.4	ng	330103	5	13.84	2788550	20.0
Cyclopenta(cd)pyr...	13.95	2.3	ng	317667	5	13.84	2788550	20.0
Docosane	14.61	4.6	ng	152207	6	15.26	657198	20.0
Benzo[e]pyrene	14.96	4.8	ng	158258	6	15.26	657198	20.0