LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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-BF032519.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	5.304	543	547	570	rBV	2350194	2544843	83.07%	7.162%
2	6.340	719	723	740	rBV	2644854	2767443	90.34%	7.789%
3	6.463	740	744	755	rVV	3032789	2663782	86.96%	7.497%
4	6.692	779	783	791	rBV	841947	765795	25.00%	2.155%
5	6.845	805	809	823	rVB	2339627	2111987	68.94%	5.944%
6	7.257	874	879	899	rBV	1677989	1698791	55.46%	4.781%
7	7.975	997	1001	1011	rBV	999324	972666	31.75%	2.737%
8	8.451	1079	1082	1100	rBV	63503	146570	4.78%	0.413%
9	9.045	1179	1183	1186	rBV	3670631	3063368	100.00%	8.622%
10	9.439	1247	1250	1254	rBV	209145	171657	5.60%	0.483%
11	9.716	1294	1297	1301	rBV	1195366	1045712	34.14%	2.943%
12	9.751	1301	1303	1309	rVB	56830	47423	1.55%	0.133%
13	10.263	1387	1390	1396	rVB	42586	39028	1.27%	0.110%
14	10.504	1427	1431	1441	rBV	1864962	1810286	59.09%	5.095%
15	11.057	1520	1525	1529	rBV3	51916	62082	2.03%	0.175%
16	11.092	1529	1531	1538	rVB	49832	51730	1.69%	0.146%
17	11.198	1545	1549	1551	rBV	1158656	1012836	33.06%	2.851%
18	11.222	1551	1553	1557	rVV	869953	702244	22.92%	1.976%
19	11.275	1559	1562	1566	rVB	121938	106510	3.48%	0.300%
20	11.527	1602	1605	1608	rBV2	53337	50035	1.63%	0.141%
21	11.610	1614	1619	1623	rBV3	37265	43315	1.41%	0.122%
22	11.698	1631	1634	1636	rBV	272445	227140	7.41%	0.639%
23	11.727	1636	1639	1644	rVV	369357	397557	12.98%	1.119%
24	11.775	1644	1647	1649	rVV2	72457	77610	2.53%	0.218%
25	11.810	1649	1653	1655	rVV	300591	326313	10.65%	0.918%
26	11.833	1655	1657	1663	rVB	187792	160114	5.23%	0.451%
27	11.992	1681	1684	1686	rBV	114074	91154	2.98%	0.257%
28	12.022	1686	1689	1694	rVB2	94935	105308	3.44%	0.296%
29	12.139	1704	1709	1712	rBV2	72164	83430	2.72%	0.235%
30	12.245	1724	1727	1730	rBV	130855	138196	4.51%	0.389%
31	12.286	1730	1734	1739	rVB4	92789	150419	4.91%	0.423%
32	12.333	1739	1742	1746	rBV2	97179	112543	3.67%	0.317%
33	12.404	1750	1754	1758	rBV	616678	587746	19.19%	1.654%
34	12.522	1769	1774	1776	rBV4	36619	53495	1.75%	0.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.545	1776	1778	1784	rVV4	49347	78403	2.56%	0.221%
36	12.598	1784	1787	1789	rVV	149854	148822	4.86%	0.419%
37	12.633	1789	1793	1796	rVV	947140	911680	29.76%	2.566%
38	12.657	1796	1797	1800	rVV2	65721	63909	2.09%	0.180%
39	12.686	1800	1802	1807	rVB4	50662	66767	2.18%	0.188%
40	12.780	1813	1818	1821	rBV	2585339	2427481	79.24%	6.832%
41	12.804	1821	1822	1827	rVB	69011	49758	1.62%	0.140%
42	12.857	1827	1831	1838	rBV	94641	141488	4.62%	0.398%
43	12.939	1842	1845	1846	rBV2	78735	70504	2.30%	0.198%
44	12.963	1846	1849	1852	rVB2	131752	145914	4.76%	0.411%
45	13.027	1856	1860	1863	rBV2	86878	109275	3.57%	0.308%
46	13.069	1863	1867	1869	rBV	136438	139340	4.55%	0.392%
47	13.086	1869	1870	1874	rVB	55418	37590	1.23%	0.106%
48	13.157	1879	1882	1885	rBV	109112	93395	3.05%	0.263%
49	13.186	1885	1887	1891	rVB	111344	99352	3.24%	0.280%
50	13.321	1906	1910	1912	rBV2	32931	41033	1.34%	0.115%
51	13.357	1914	1916	1919	rVV2	42842	41730	1.36%	0.117%
52	13.474	1933	1936	1940	rVB	86029	89913	2.94%	0.253%
53	13.580	1949	1954	1956	rBV	92487	110102	3.59%	0.310%
54	13.604	1956	1958	1960	rVB	80664	64894	2.12%	0.183%
55	13.680	1968	1971	1974	rBV	118864	121409	3.96%	0.342%
56	13.827	1988	1996	1999	rBV2	1040722	1339310	43.72%	3.769%
57	13.851	1999	2000	2005	rVV	363362	322475	10.53%	0.908%
58	13.933	2009	2014	2016	rBV3	52000	60398	1.97%	0.170%
59	13.998	2020	2025	2031	rVV4	112626	123442	4.03%	0.347%
60	14.180	2053	2056	2058	rBV	39927	42738	1.40%	0.120%
61	14.216	2058	2062	2065	rVV	127060	149774	4.89%	0.422%
62	14.251	2065	2068	2071	rVV2	70392	87256	2.85%	0.246%
63	14.304	2072	2077	2080	rVV4	170669	216748	7.08%	0.610%
64	14.339	2080	2083	2085	rVV3	63181	74323	2.43%	0.209%
65	14.357	2085	2086	2090	rVV	55514	48182	1.57%	0.136%
66	14.410	2093	2095	2100	rVB	37802	37582	1.23%	0.106%
67	14.457	2100	2103	2106	rBV2	37799	40466	1.32%	0.114%
68	14.527	2112	2115	2123	rVB2	31125	51171	1.67%	0.144%
69	14.598	2123	2127	2134	rBV	204460	211837	6.92%	0.596%
70	14.692	2140	2143	2146	rBV4	35158	39722	1.30%	0.112%
71	14.839	2162	2168	2175	rBV	325403	567771	18.53%	1.598%

LSC Area Percent Report

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Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.904	2176	2179	2183	rVV	196407	219918	7.18%	0.619%
73	14.939	2183	2185	2189	rVB	45233	43589	1.42%	0.123%
74	15.115	2211	2215	2221	rVB	210714	240556	7.85%	0.677%
75	15.174	2221	2225	2230	rBV	216707	248675	8.12%	0.700%
76	15.233	2230	2235	2246	rVV	827996	1218119	39.76%	3.428%
77	15.651	2301	2306	2313	rBV	149726	216701	7.07%	0.610%
78	16.104	2378	2383	2388	rBV	85111	136146	4.44%	0.383%
79	16.580	2459	2464	2469	rBV	80460	151218	4.94%	0.426%
80	16.633	2470	2473	2482	rVB3	40927	78713	2.57%	0.222%
81	16.986	2528	2533	2544	rVB	57161	122600	4.00%	0.345%

Sum of corrected areas: 35531317

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
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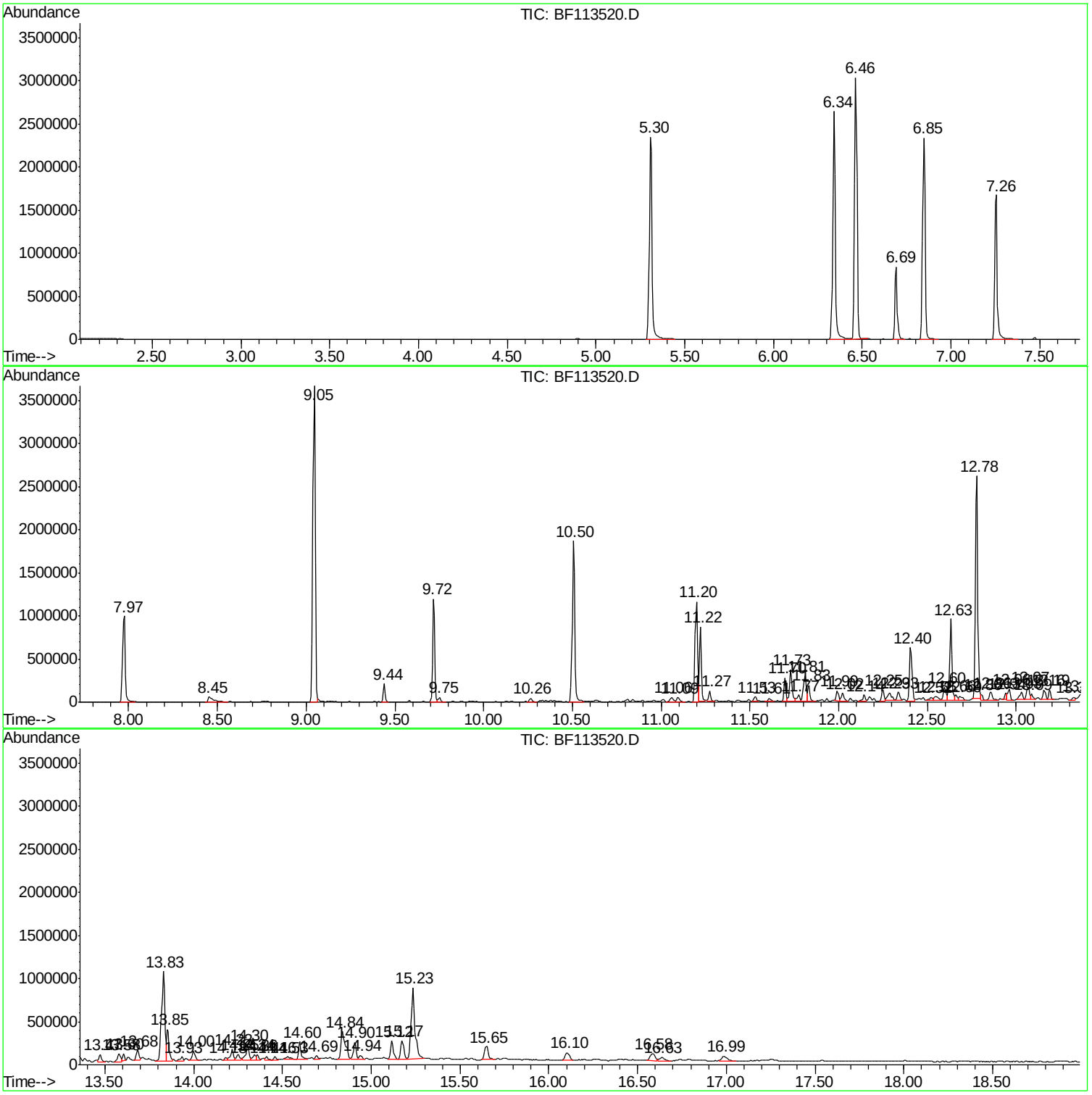
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

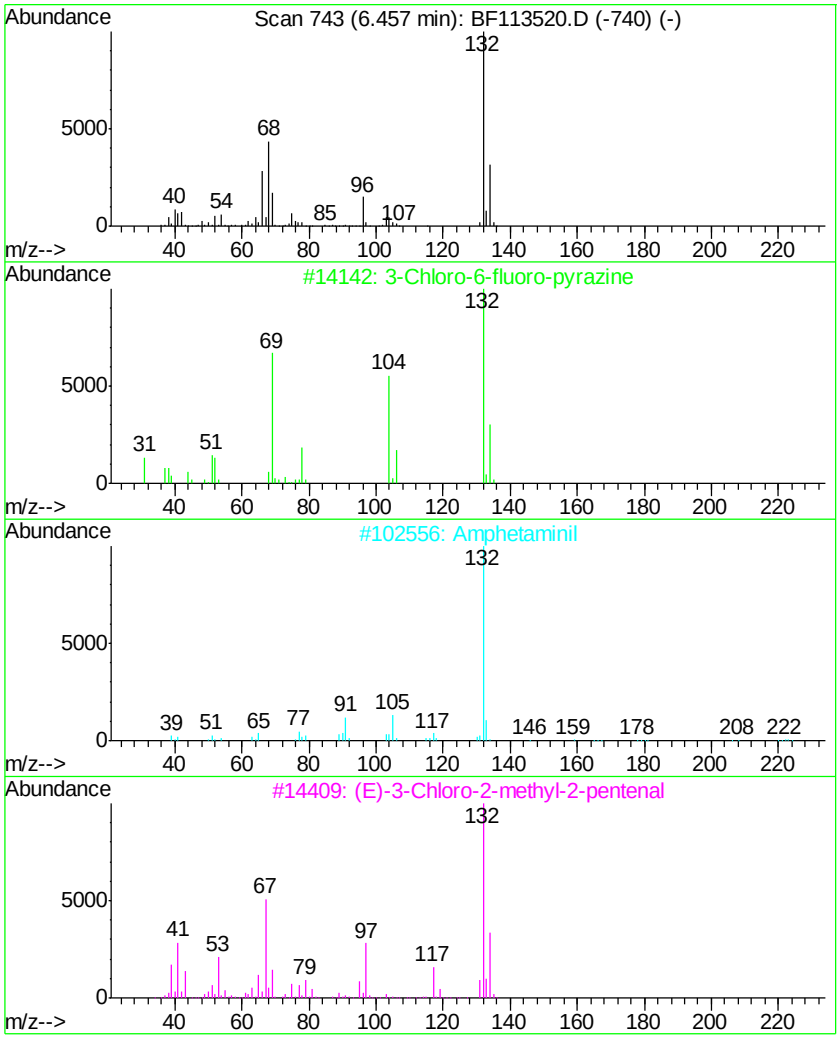
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

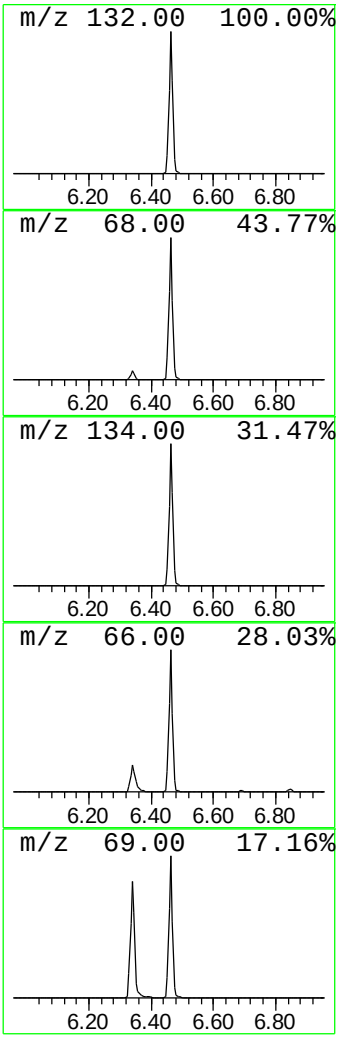
****

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	69.57 ng	2663780	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	Amphetaminil	250	C17H18N2	017590-01-1	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
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Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

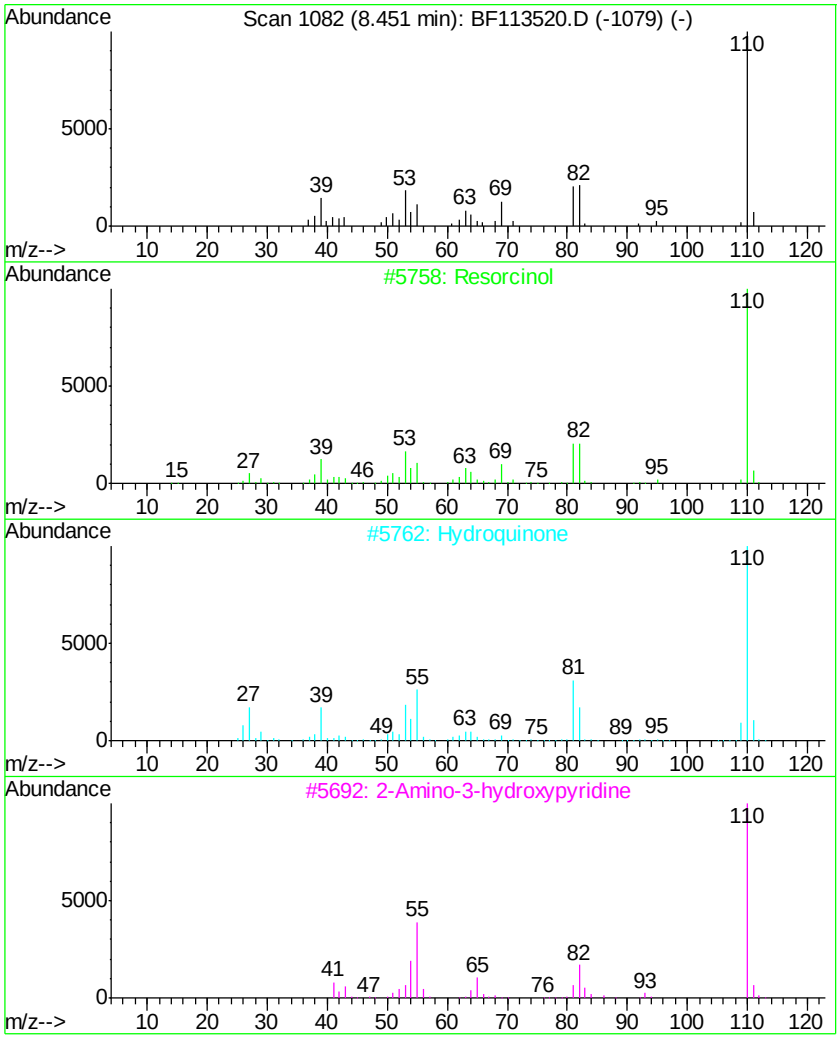
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

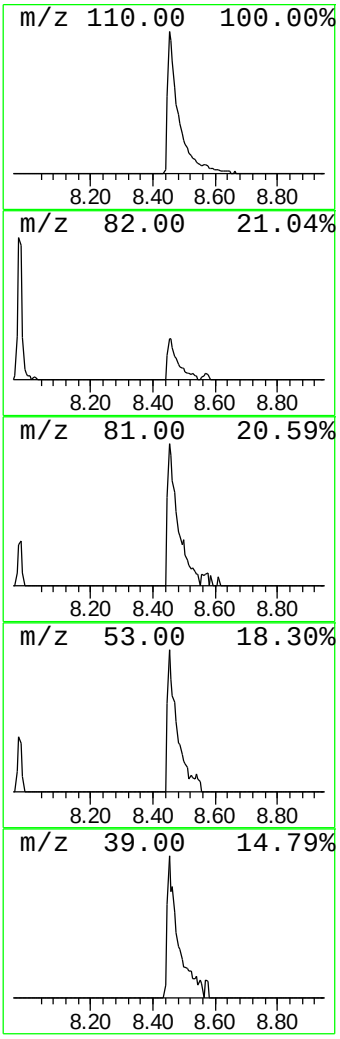
****

Peak Number 3 Resorcinol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.01 ng	146570	Naphthalene-d8	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Resorcinol	110	C6H6O2	000108-46-3	97
2	Hydroquinone	110	C6H6O2	000123-31-9	72
3	2-Amino-3-hydroxypyridine	110	C5H6N2O	016867-03-1	64
4	3(2H)-Pyridazinone, 6-methyl-	110	C5H6N2O	013327-27-0	64
5	Catechol	110	C6H6O2	000120-80-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
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Misc :
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Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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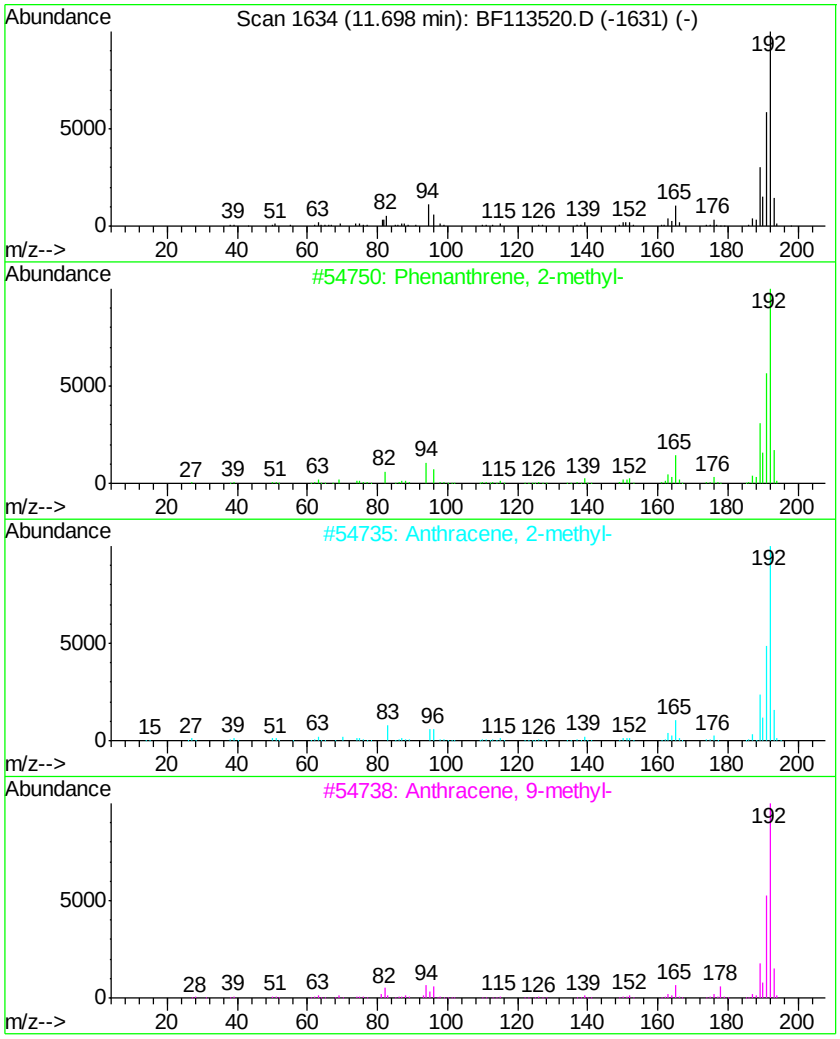
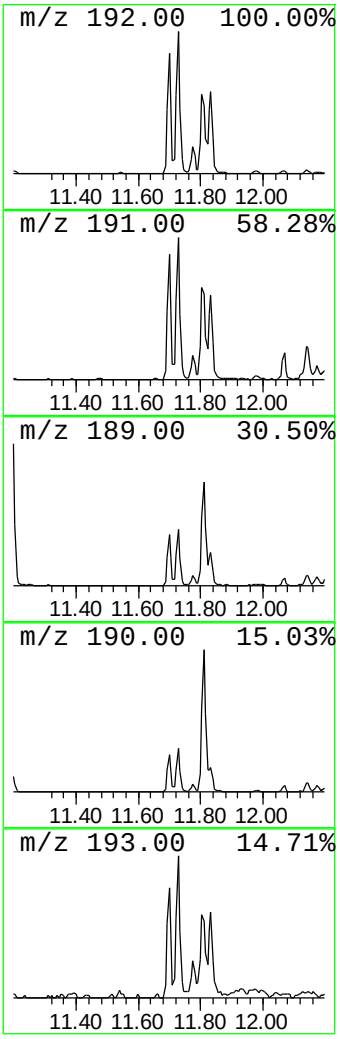
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	4.49 ng	227140	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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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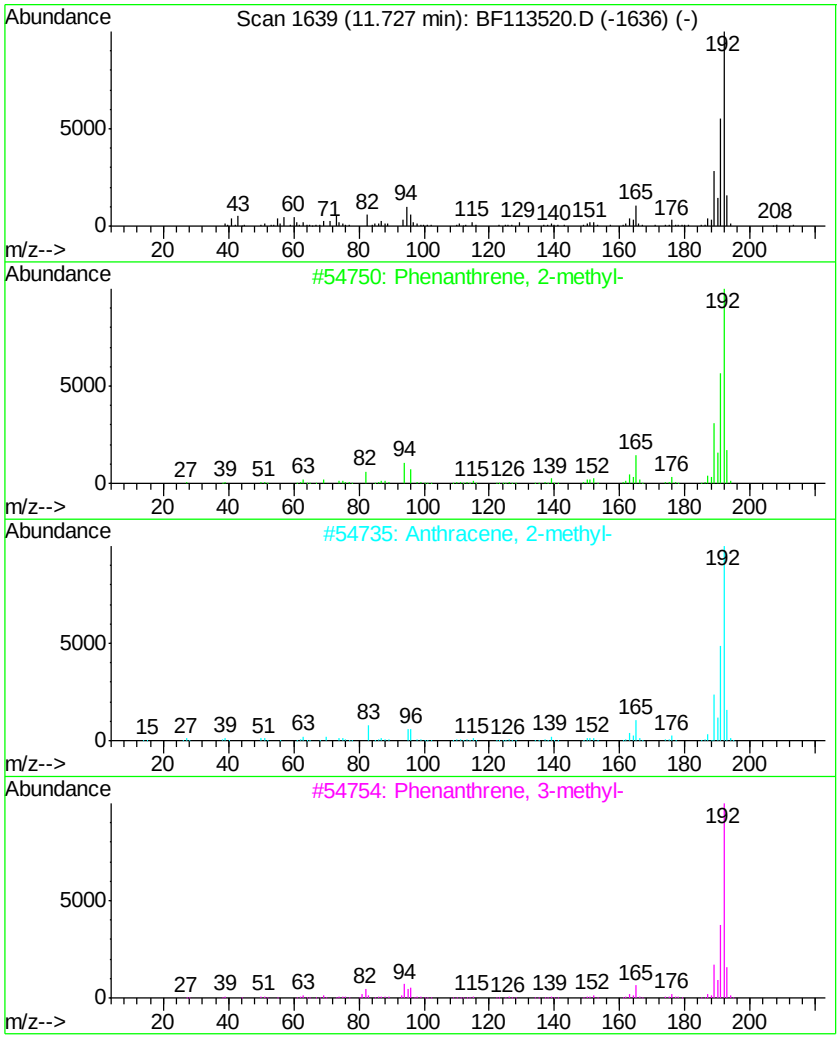
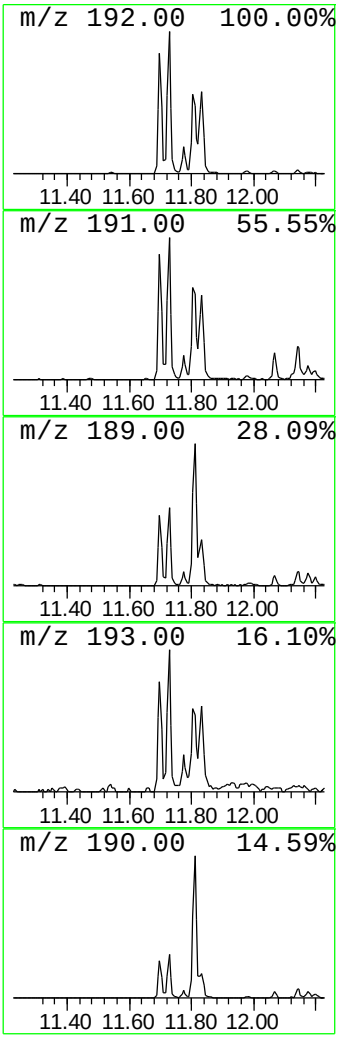
Peak Number 5 Phenanthrene, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	7.85 ng	397557	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, 3-methyl-	192	C15H12	000832-71-3	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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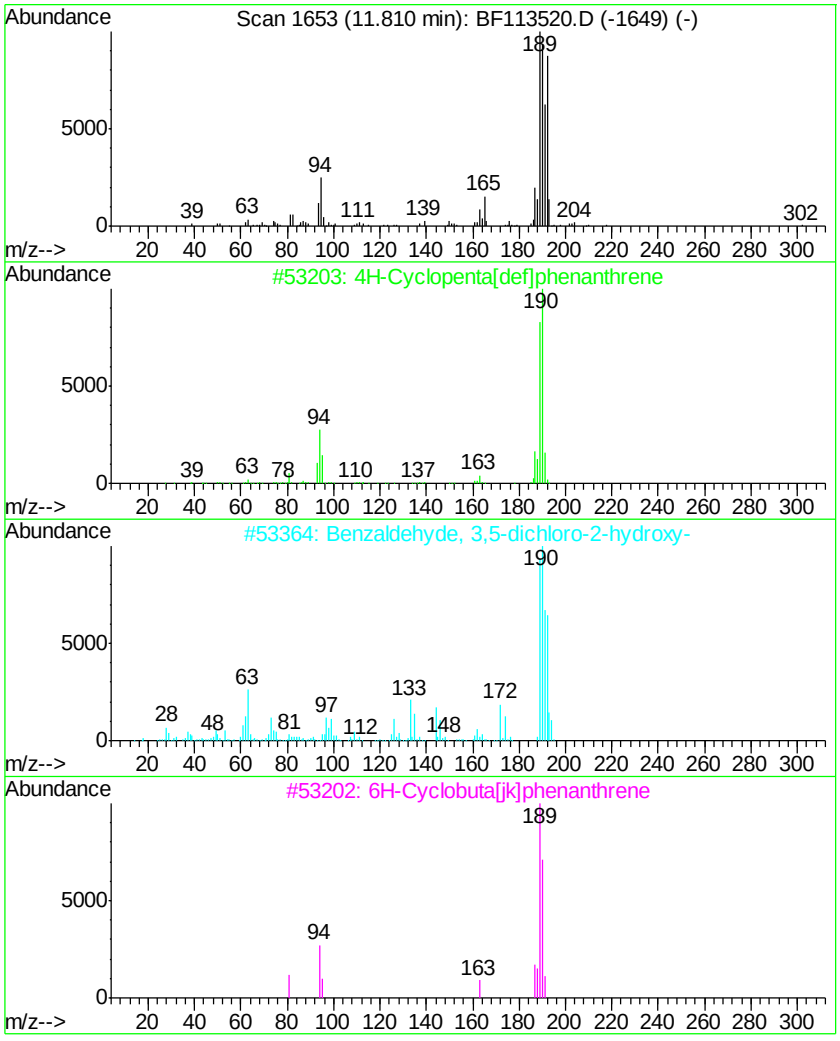
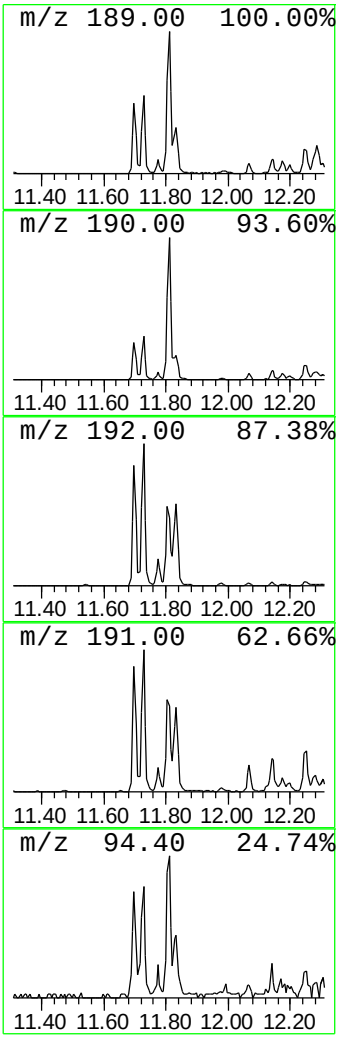
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	6.44 ng	326313	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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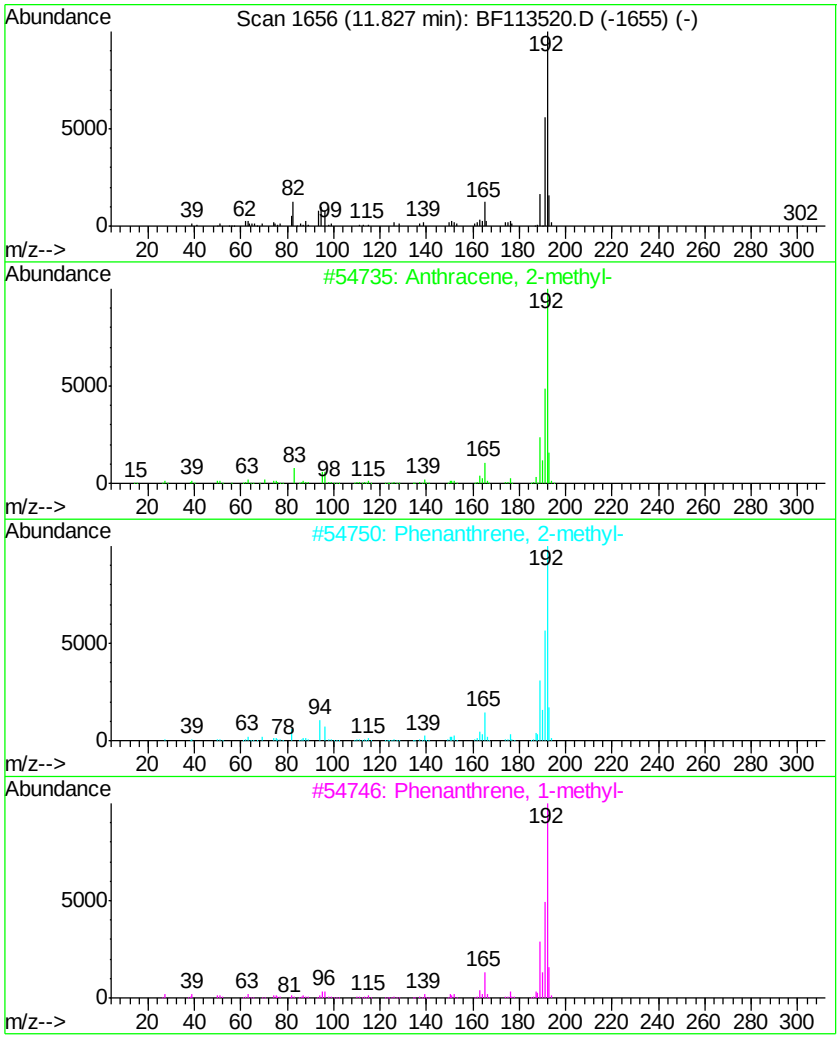
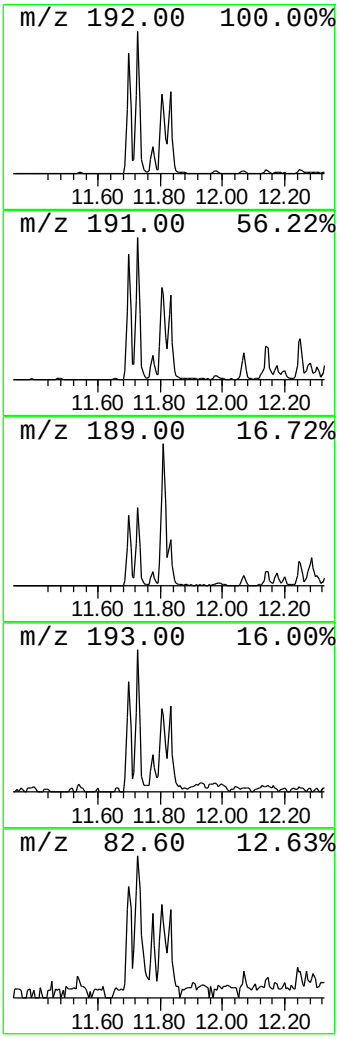
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.16 ng	160114	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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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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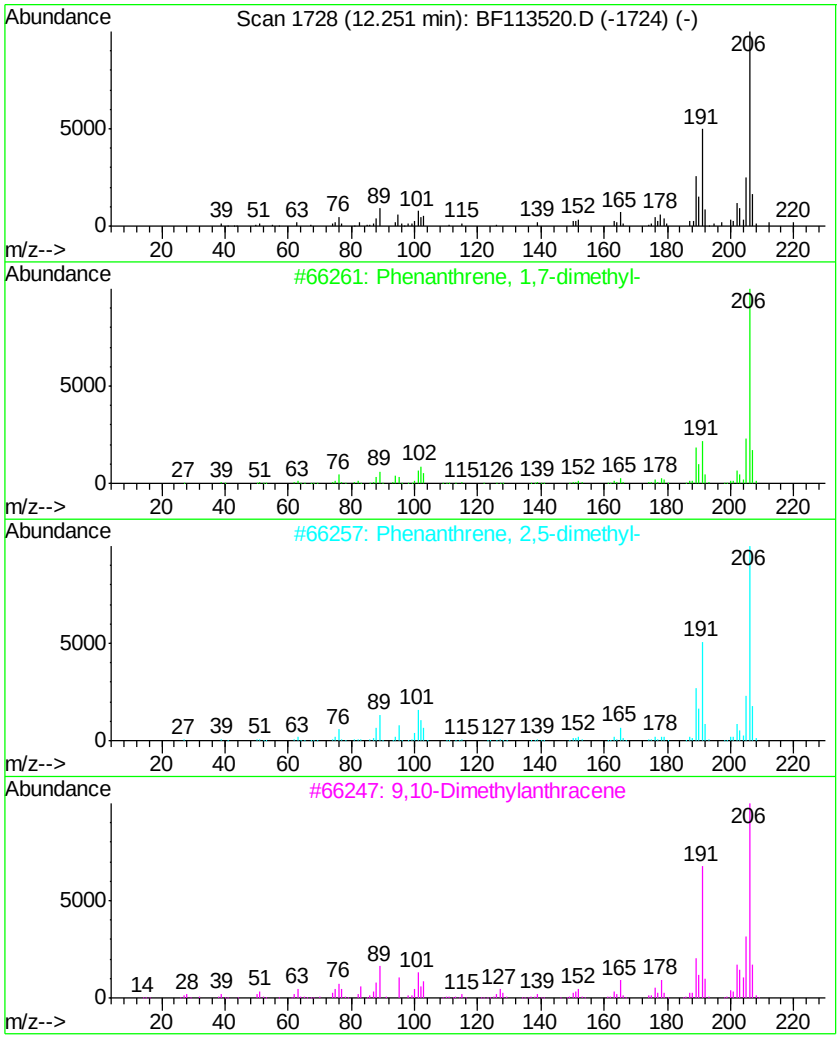
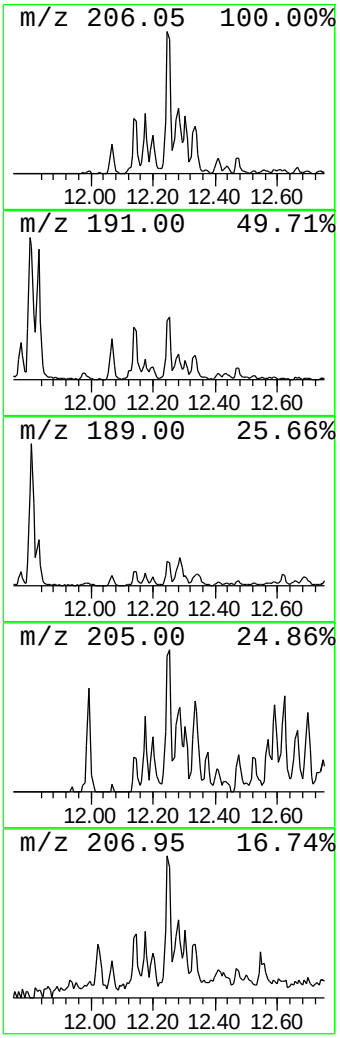
Peak Number 8 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.73 ng	138196	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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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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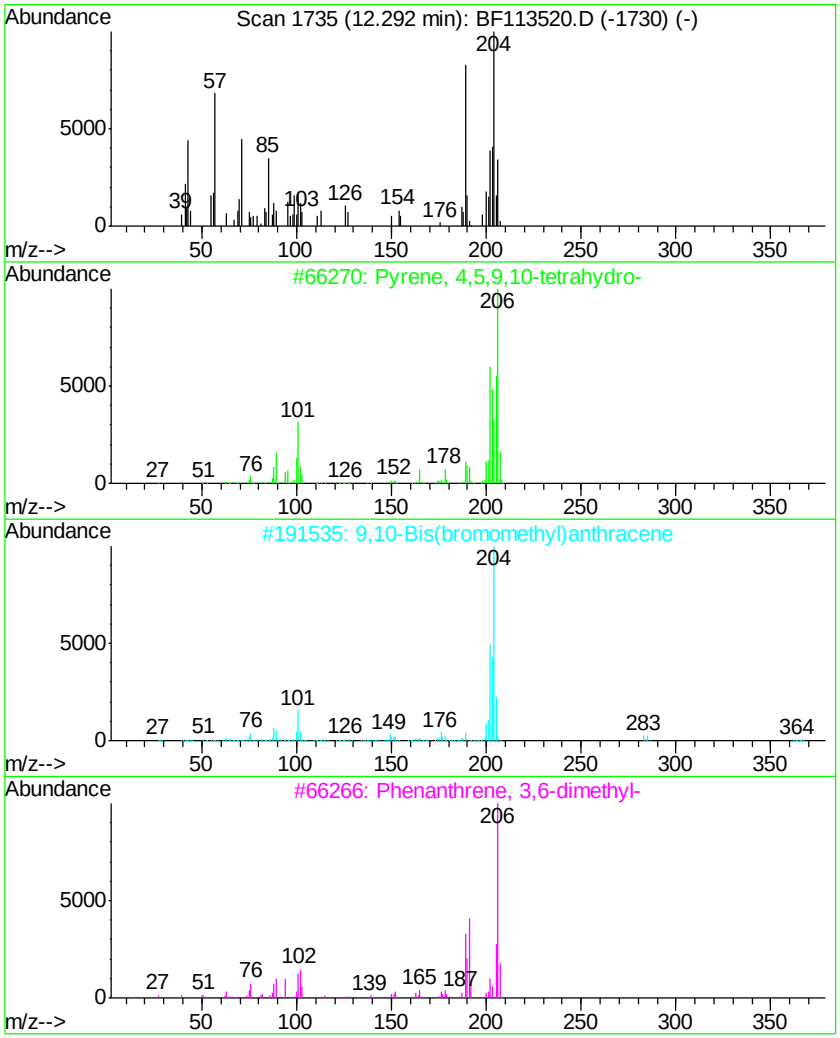
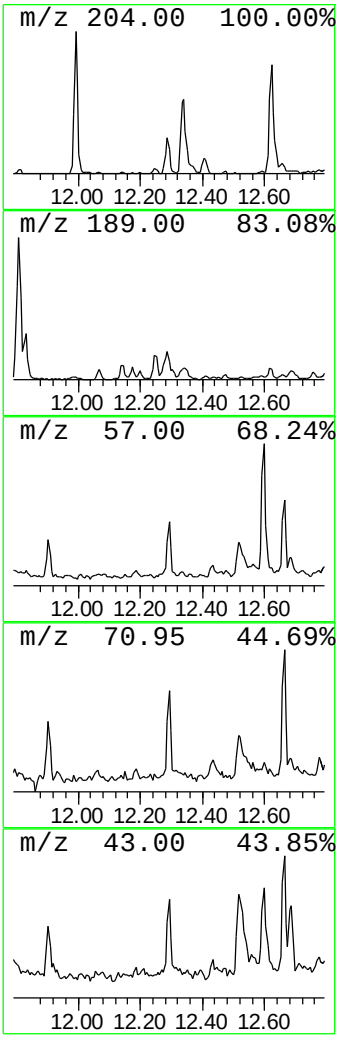
Peak Number 9 unknown12.29 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.97 ng	150419	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





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ClientSampleId : S8A-S8B(12-16)COMP

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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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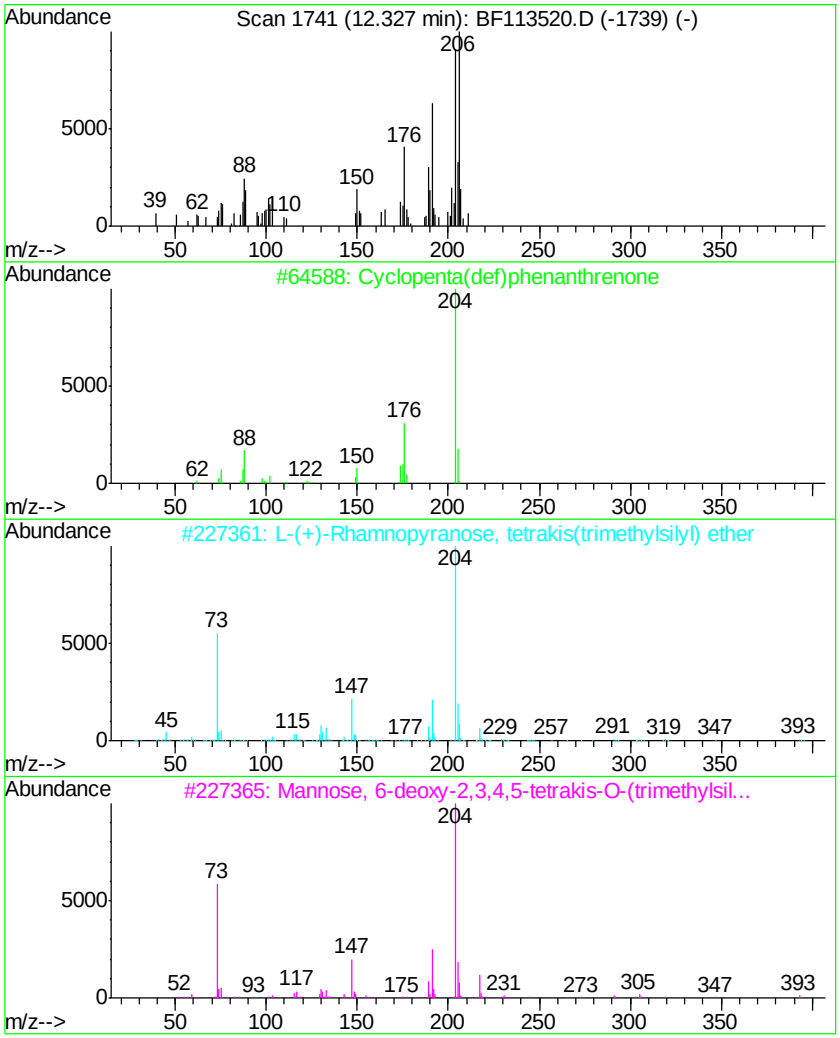
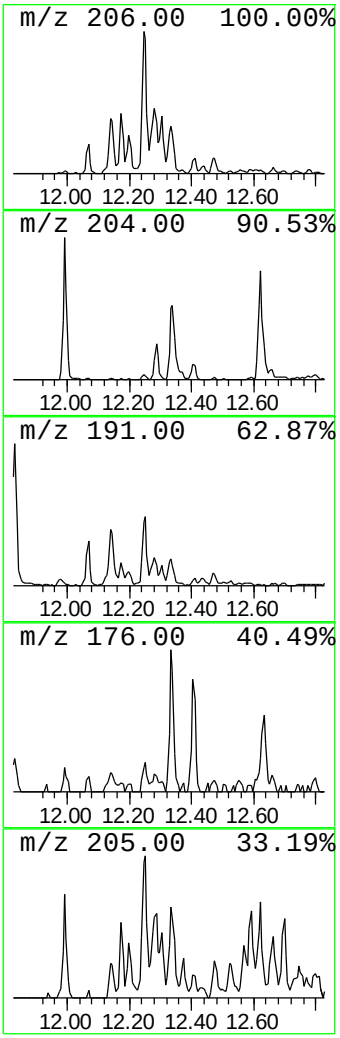
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.22 ng	112543	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
5	.alpha.-D-Xylopyranose, 1,2,3,4-...	438	C17H42O5Si4	014251-20-8	38





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ClientSampleId : S8A-S8B(12-16)COMP

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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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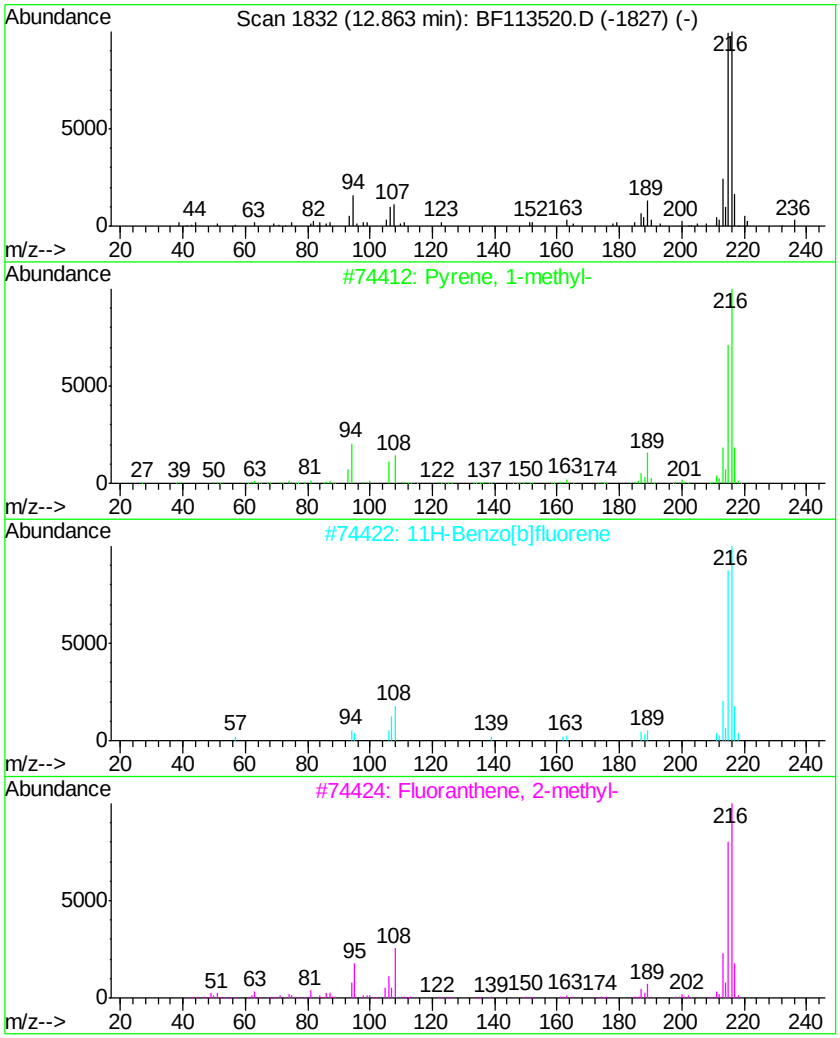
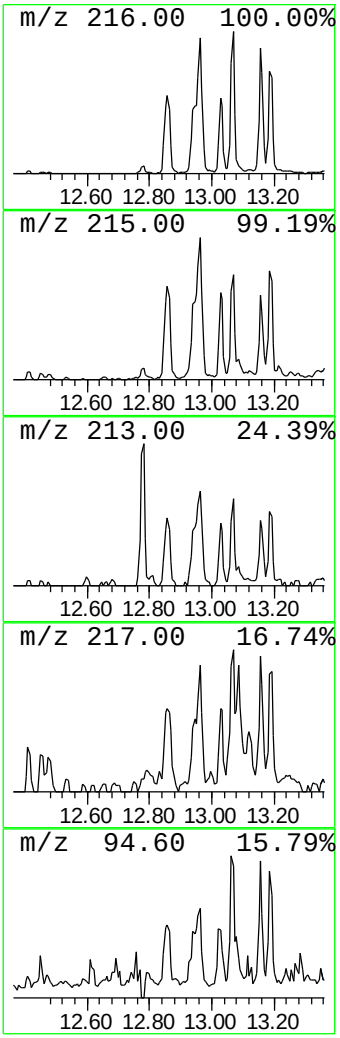
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.11 ng	141488	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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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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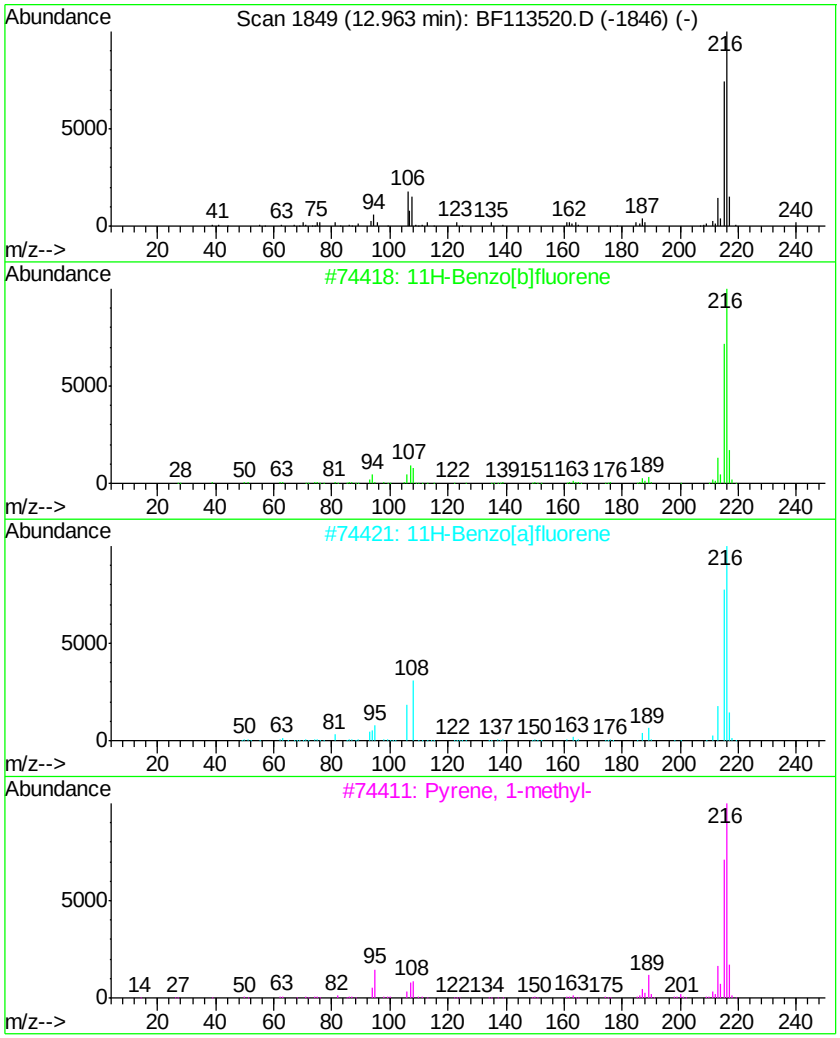
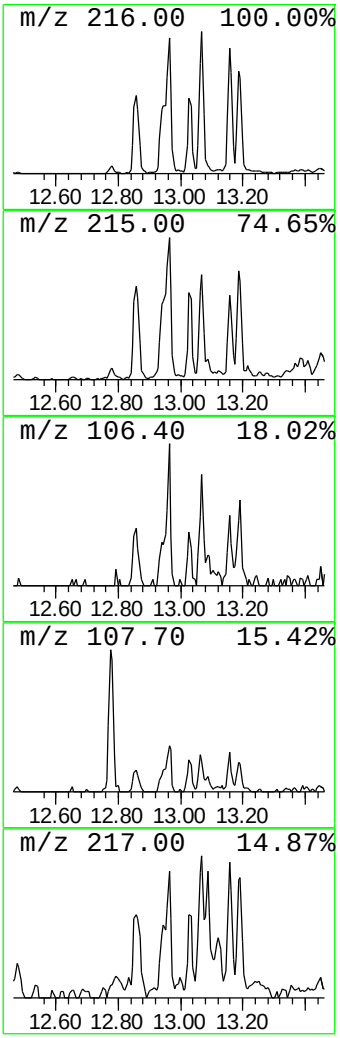
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.18 ng	145914	Chrysene-d12	13.83

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	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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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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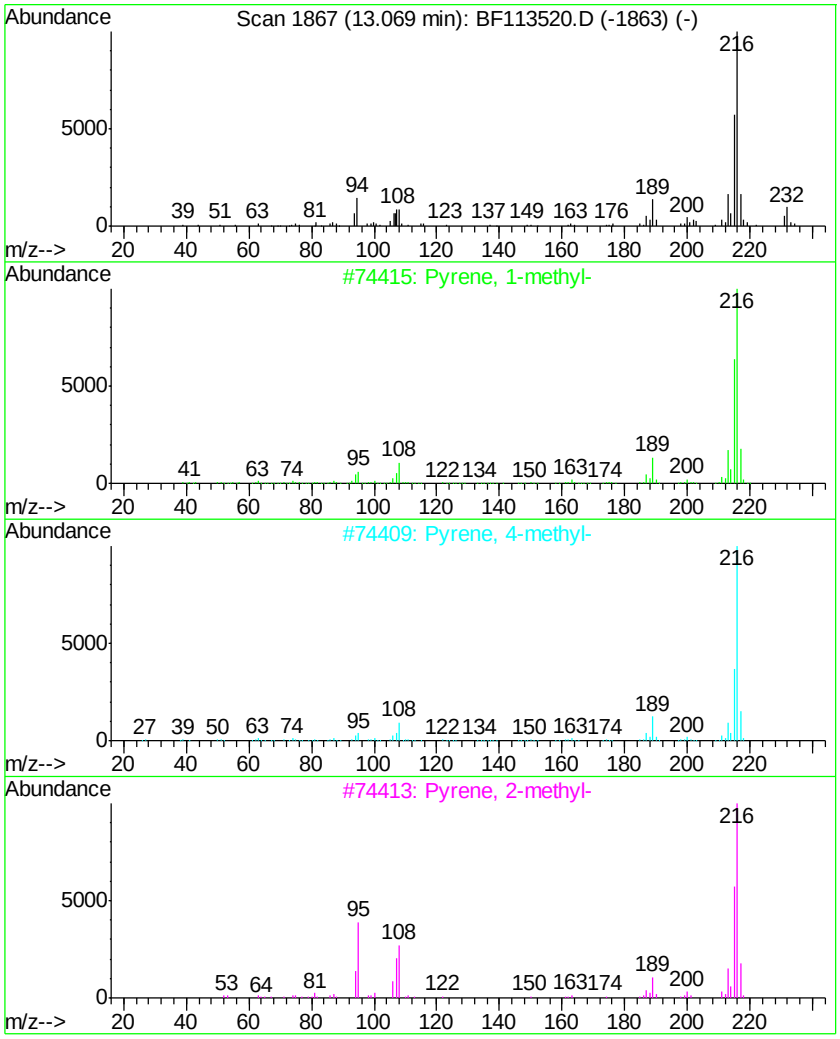
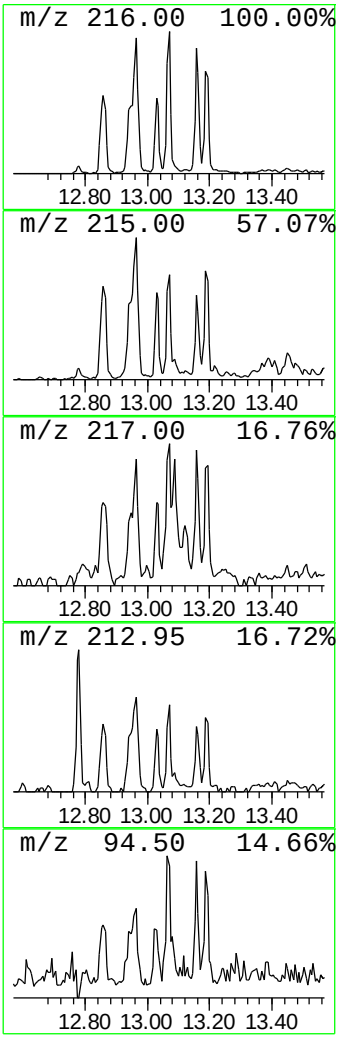
Peak Number 13 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.08 ng	139340	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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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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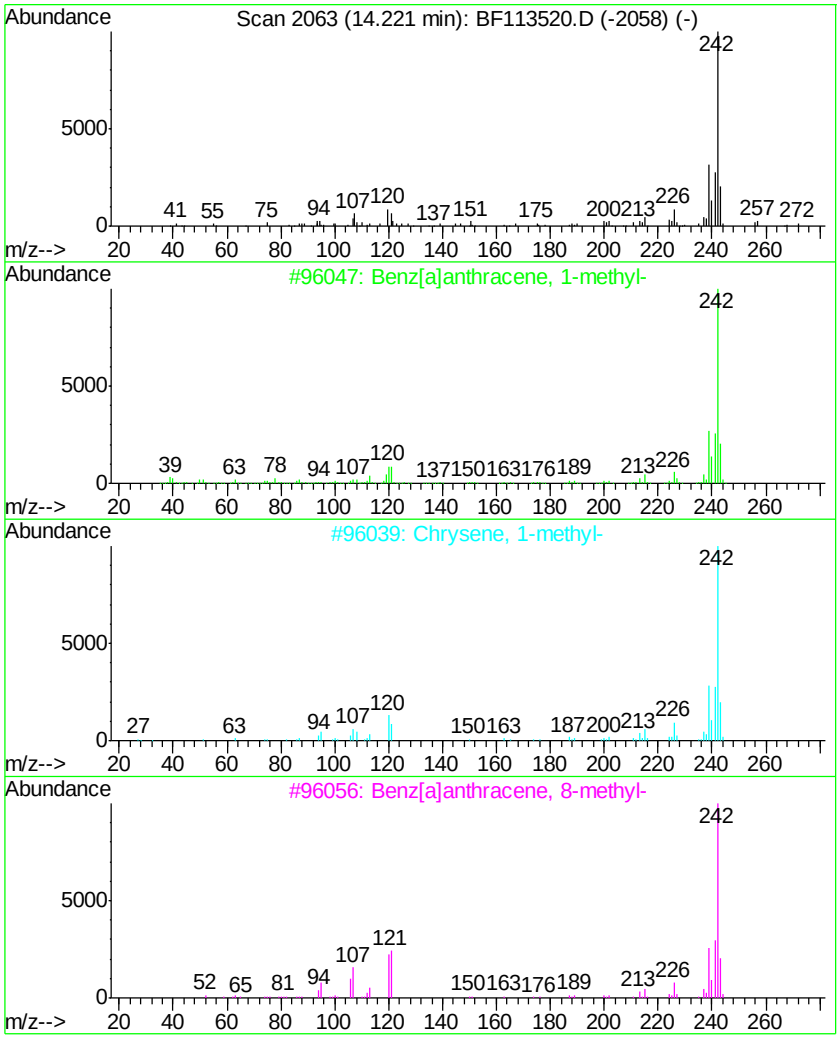
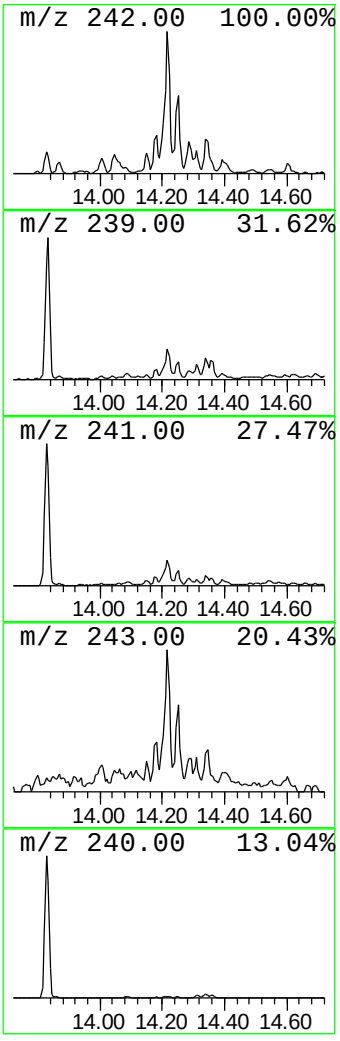
Peak Number 14 Benz[a]anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	2.24 ng	149774	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	96
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81





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Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

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

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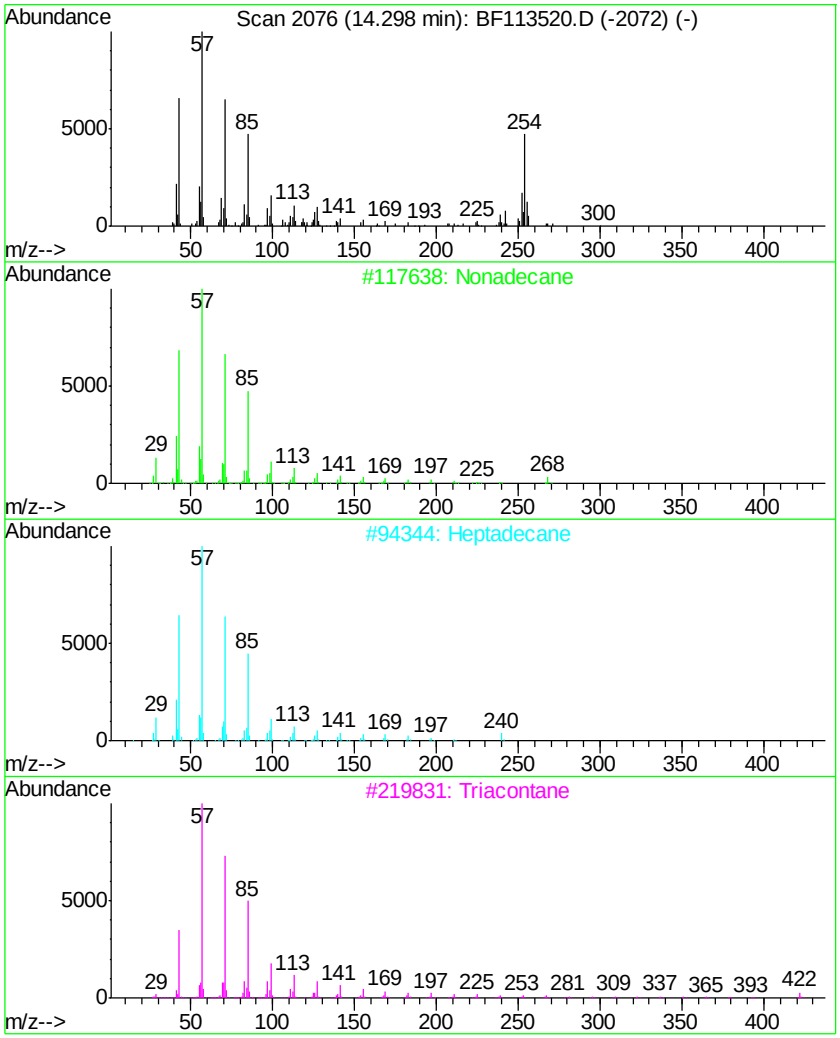
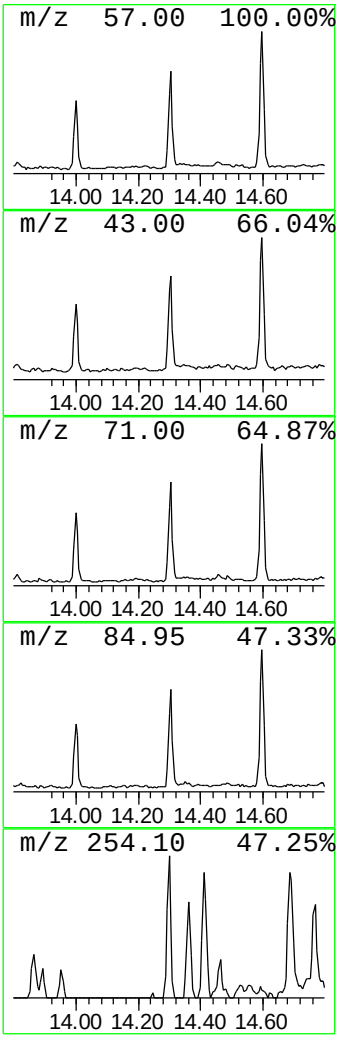
Peak Number 15 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	3.24 ng	216748	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Heptadecane	240	C17H36	000629-78-7	93
3	Triacontane	422	C30H62	000638-68-6	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Octacosane	394	C28H58	000630-02-4	87





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ClientSampleId : S8A-S8B(12-16)COMP

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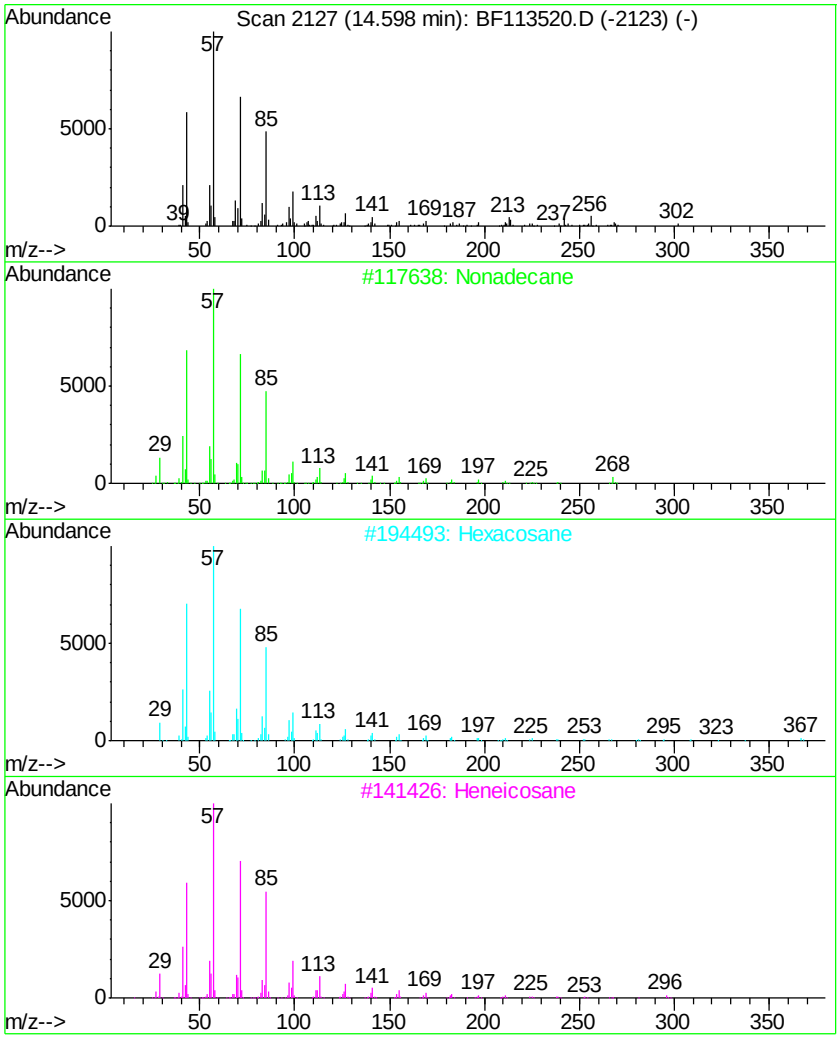
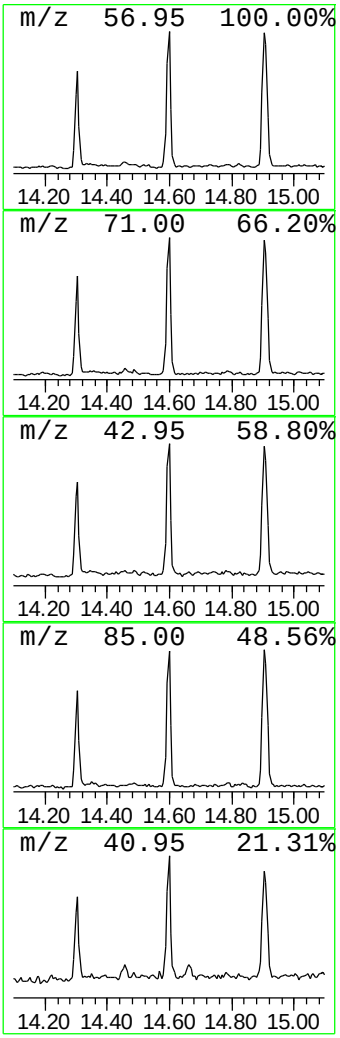
Peak Number 16 Hexacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	3.48 ng	211837	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86





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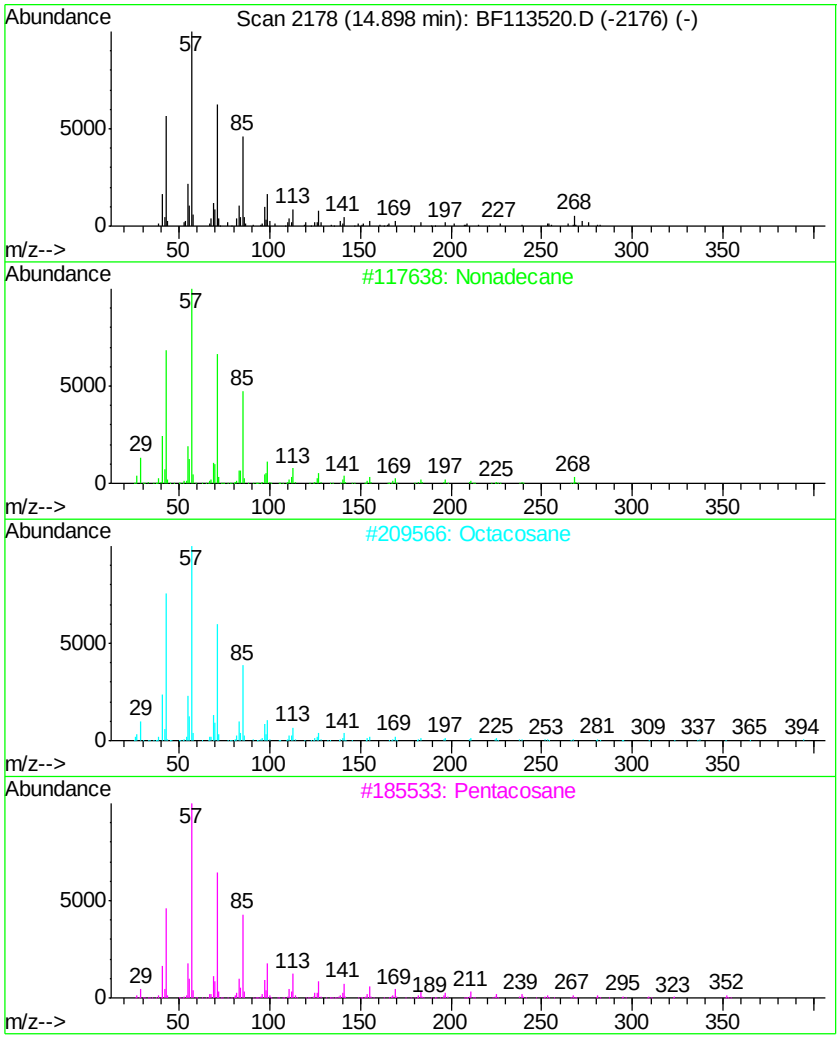
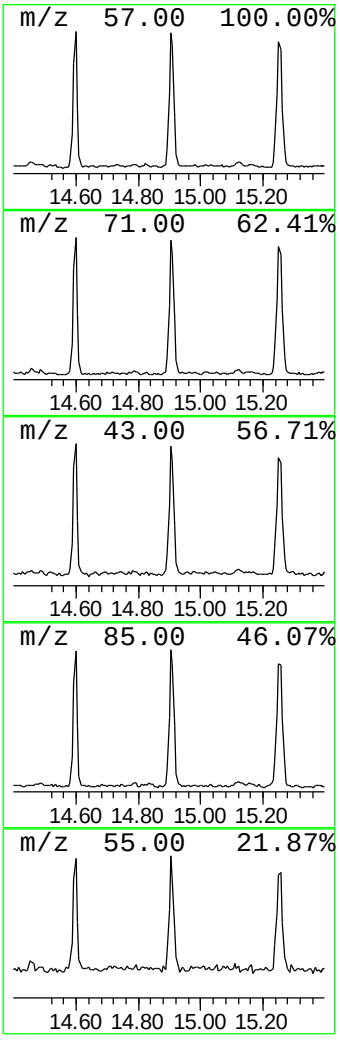
Peak Number 17 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	3.61 ng	219918	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Octacosane	394	C28H58	000630-02-4	87
3	Pentacosane	352	C25H52	000629-99-2	87
4	Triacontane	422	C30H62	000638-68-6	83
5	Tetracosane	338	C24H50	000646-31-1	83





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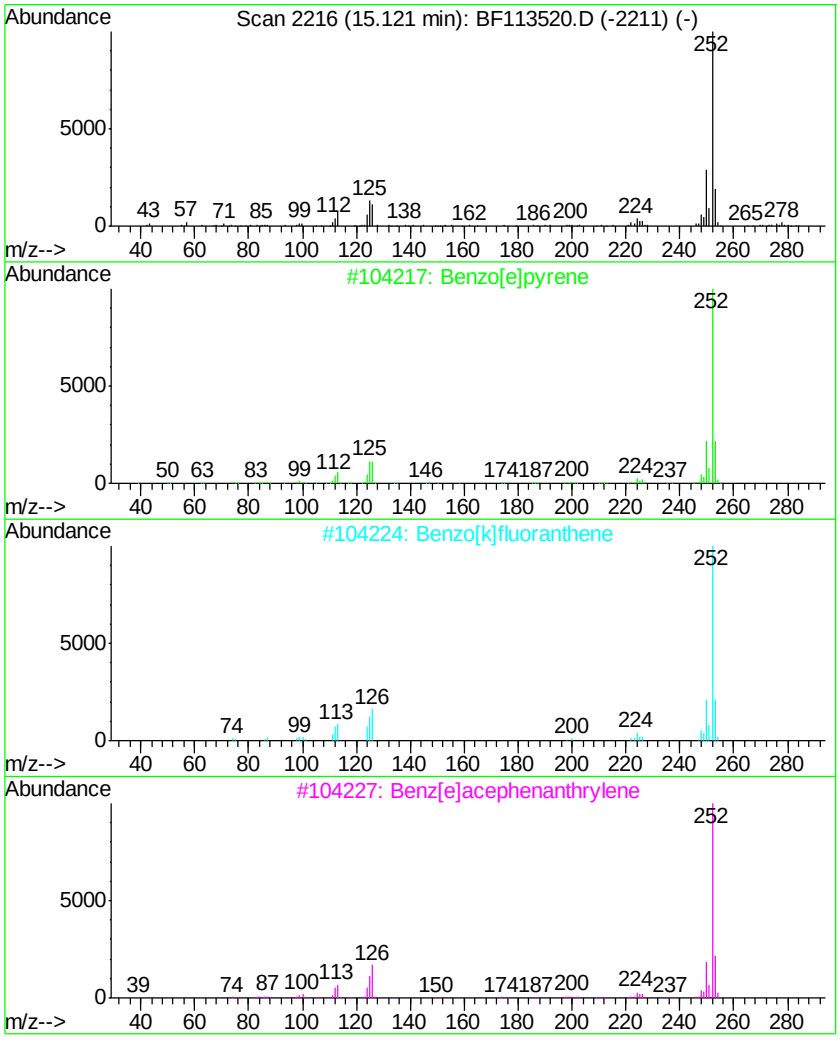
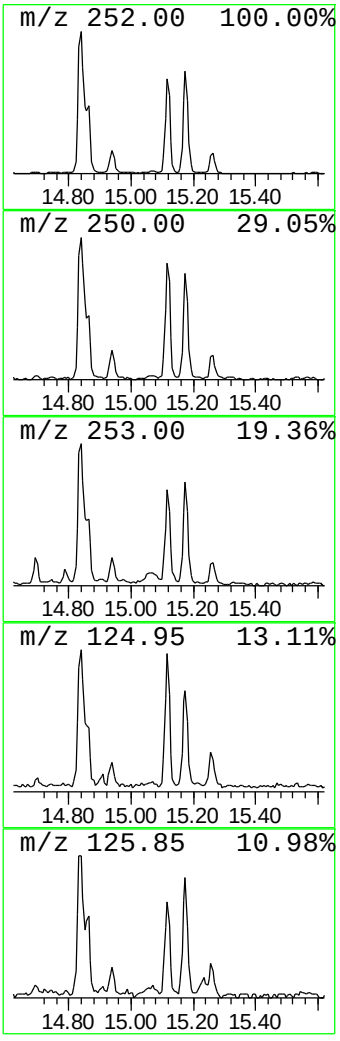
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.95 ng	240556	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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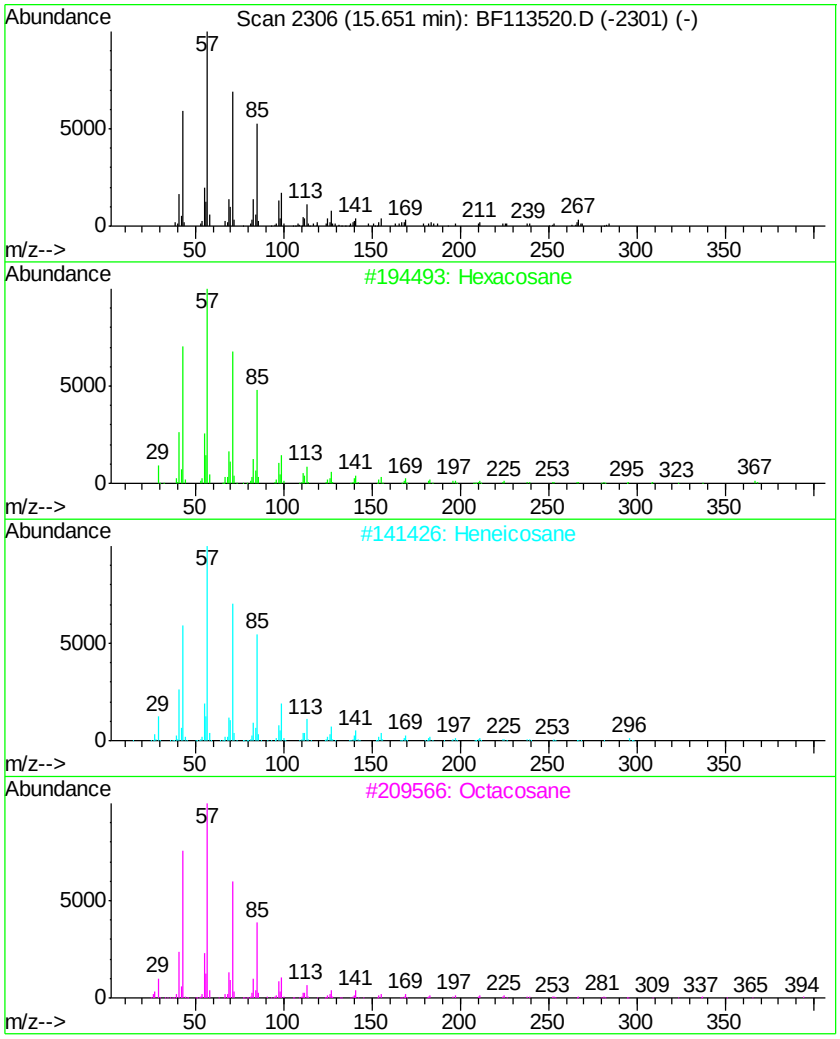
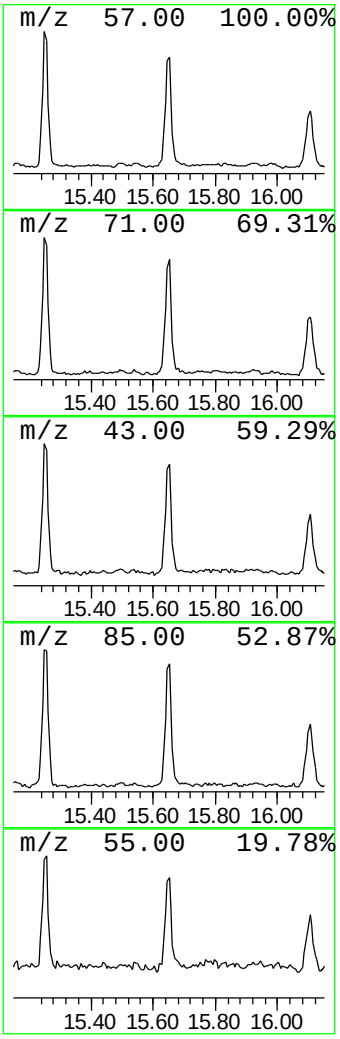
Peak Number 19 Heneicosane, 11-(1-ethylpro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	3.56 ng	216701	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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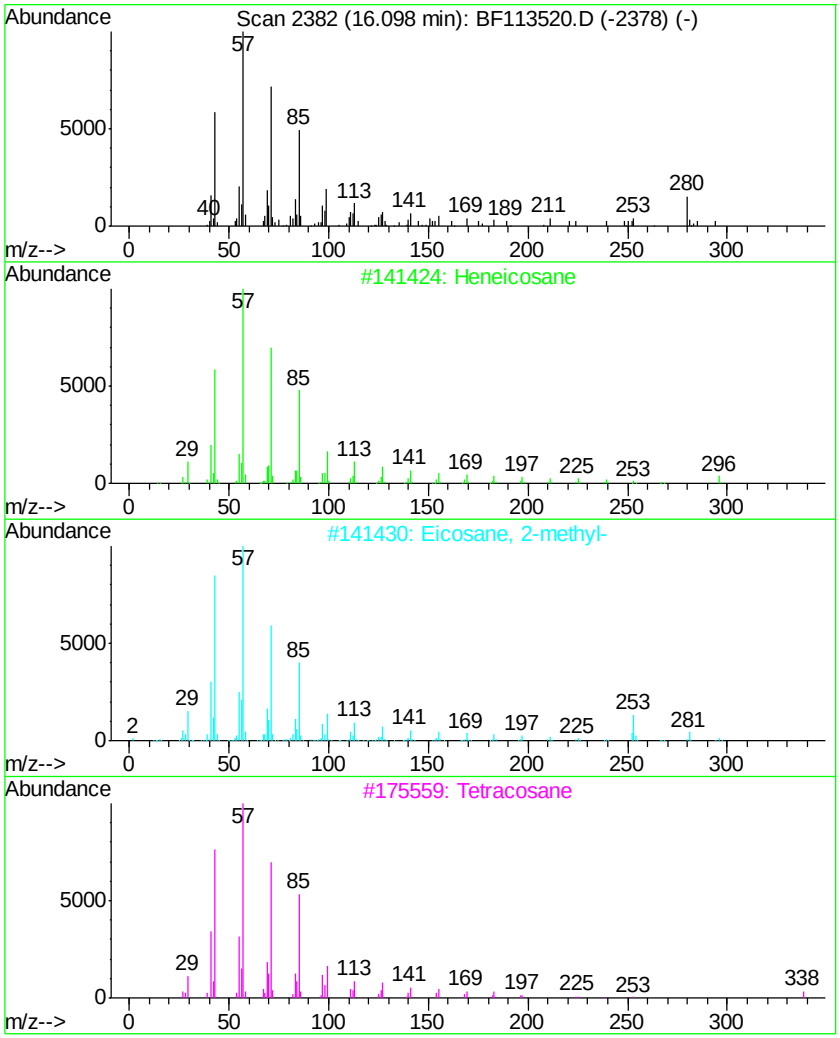
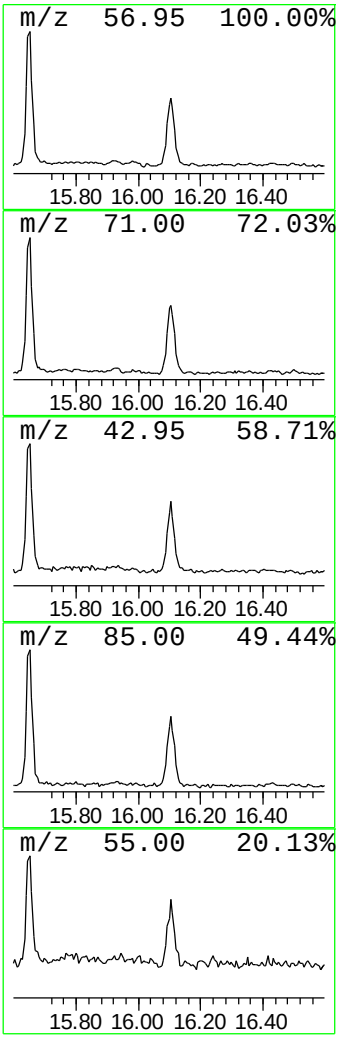
Peak Number 20 Eicosane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.24 ng	136146	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	91
3	Tetracosane	338	C24H50	000646-31-1	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Eicosane	282	C20H42	000112-95-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113520.D
Acq On : 2 Apr 2019 22:09
Operator : JU/SJ
Sample : K2182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8A-S8B(12-16)COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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	69.6	ng	2663780	1	6.69	765795	20.0
Resorcinol	8.45	3.0	ng	146570	2	7.97	972666	20.0
Phenanthrene, 2-m...	11.70	4.5	ng	227140	4	11.20	1012840	20.0
Phenanthrene, 3-m...	11.73	7.8	ng	397557	4	11.20	1012840	20.0
4H-Cyclopenta[def...	11.81	6.4	ng	326313	4	11.20	1012840	20.0
Anthracene, 2-met...	11.83	3.2	ng	160114	4	11.20	1012840	20.0
Phenanthrene, 1,7...	12.25	2.7	ng	138196	4	11.20	1012840	20.0
unknown12.29	12.29	3.0	ng	150419	4	11.20	1012840	20.0
Cyclopenta(def)ph...	12.33	2.2	ng	112543	4	11.20	1012840	20.0
Pyrene, 1-methyl-	12.86	2.1	ng	141488	5	13.83	1339310	20.0
11H-Benzo[b]fluorene	12.96	2.2	ng	145914	5	13.83	1339310	20.0
Pyrene, 4-methyl-	13.07	2.1	ng	139340	5	13.83	1339310	20.0
Benz[a]anthracene...	14.22	2.2	ng	149774	5	13.83	1339310	20.0
Nonadecane	14.30	3.2	ng	216748	5	13.83	1339310	20.0
Hexacosane	14.60	3.5	ng	211837	6	15.23	1218120	20.0
Octacosane	14.90	3.6	ng	219918	6	15.23	1218120	20.0
Benzo[e]pyrene	15.12	4.0	ng	240556	6	15.23	1218120	20.0
Heneicosane, 11-(...	15.65	3.6	ng	216701	6	15.23	1218120	20.0
Eicosane, 2-methyl-	16.10	2.2	ng	136146	6	15.23	1218120	20.0