LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111307.D
Acq On : 12 Dec 2018 5:38
Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

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-BF120818.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	5.004	487	496	504	rBV	284279	387285	5.68%	0.392%
2	5.416	561	566	569	rBV	6342400	6053290	88.80%	6.125%
3	6.434	734	739	757	rBV	6445079	6816738	100.00%	6.898%
4	6.569	757	762	765	rBV	7157472	6260924	91.85%	6.335%
5	6.798	797	801	804	rBV	1808113	1459719	21.41%	1.477%
6	6.957	823	828	831	rBV	5538062	4841774	71.03%	4.899%
7	7.357	891	896	899	rBV	4556992	4068434	59.68%	4.117%
8	8.081	1015	1019	1022	rBV	2060932	1883475	27.63%	1.906%
9	9.157	1198	1202	1205	rBV	7317848	6067403	89.01%	6.139%
10	9.545	1265	1268	1272	rBV	749011	552554	8.11%	0.559%
11	9.833	1311	1317	1320	rBV	2236433	1841459	27.01%	1.863%
12	9.863	1320	1322	1326	rVB	218794	165907	2.43%	0.168%
13	10.033	1348	1351	1354	rBV	131475	114688	1.68%	0.116%
14	10.380	1406	1410	1415	rVB	195780	193439	2.84%	0.196%
15	10.539	1434	1437	1442	rVB	97562	93572	1.37%	0.095%
16	10.616	1446	1450	1454	rBV	3147711	3083943	45.24%	3.121%
17	10.745	1469	1472	1477	rVB2	82630	83982	1.23%	0.085%
18	10.927	1497	1503	1506	rBV3	75937	131845	1.93%	0.133%
19	11.057	1520	1525	1527	rBV3	71030	91868	1.35%	0.093%
20	11.116	1533	1535	1540	rVB	140918	154857	2.27%	0.157%
21	11.169	1540	1544	1547	rBV3	86739	127000	1.86%	0.129%
22	11.210	1547	1551	1557	rVB	178263	228371	3.35%	0.231%
23	11.316	1565	1569	1571	rBV	1641124	1509165	22.14%	1.527%
24	11.339	1571	1573	1577	rVV	3275795	2772207	40.67%	2.805%
25	11.392	1577	1582	1585	rVV	823369	720959	10.58%	0.730%
26	11.422	1585	1587	1591	rVB2	80371	78174	1.15%	0.079%
27	11.545	1602	1608	1610	rBV2	195456	213131	3.13%	0.216%
28	11.616	1617	1620	1623	rBV2	84304	75357	1.11%	0.076%
29	11.645	1623	1625	1628	rVB3	82833	72678	1.07%	0.074%
30	11.774	1644	1647	1651	rBV2	79810	126932	1.86%	0.128%
31	11.816	1651	1654	1657	rVV	456358	461033	6.76%	0.467%
32	11.851	1657	1660	1664	rVV2	1573254	1607841	23.59%	1.627%
33	11.892	1664	1667	1670	rVV	324813	319965	4.69%	0.324%
34	11.927	1670	1673	1676	rVV	657732	780039	11.44%	0.789%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

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-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.951	1676	1677	1682	rVB	360963	233548	3.43%	0.236%
36	12.116	1702	1705	1706	rBV	364903	303887	4.46%	0.307%
37	12.133	1706	1708	1712	rVB	336055	267445	3.92%	0.271%
38	12.263	1727	1730	1733	rVB	132051	104604	1.53%	0.106%
39	12.292	1733	1735	1737	rBV	95402	79844	1.17%	0.081%
40	12.316	1737	1739	1742	rVB	106722	93034	1.36%	0.094%
41	12.369	1744	1748	1751	rBV	304923	325301	4.77%	0.329%
42	12.404	1751	1754	1756	rVV2	144233	171294	2.51%	0.173%
43	12.451	1760	1762	1768	rVB2	287693	293252	4.30%	0.297%
44	12.533	1772	1776	1779	rBV	5586009	4916979	72.13%	4.975%
45	12.580	1779	1784	1789	rVB3	88975	157236	2.31%	0.159%
46	12.633	1790	1793	1796	rBV2	395978	412621	6.05%	0.418%
47	12.680	1799	1801	1805	rVB	198764	185009	2.71%	0.187%
48	12.763	1808	1815	1818	rBV	4526463	4977493	73.02%	5.037%
49	12.804	1820	1822	1828	rVB2	218802	287868	4.22%	0.291%
50	12.874	1831	1834	1836	rBV	327703	303873	4.46%	0.307%
51	12.904	1836	1839	1845	rVB	4941906	4370839	64.12%	4.423%
52	12.974	1846	1851	1855	rBV2	364372	610770	8.96%	0.618%
53	13.004	1855	1856	1859	rVB	127573	70313	1.03%	0.071%
54	13.039	1859	1862	1864	rBV3	104717	133959	1.97%	0.136%
55	13.063	1864	1866	1868	rBV2	239671	274971	4.03%	0.278%
56	13.086	1868	1870	1873	rVB	636383	534929	7.85%	0.541%
57	13.127	1873	1877	1878	rBV3	74691	109089	1.60%	0.110%
58	13.151	1878	1881	1884	rVB	363306	293905	4.31%	0.297%
59	13.192	1884	1888	1890	rBV2	518337	549451	8.06%	0.556%
60	13.245	1895	1897	1900	rBV	95446	96080	1.41%	0.097%
61	13.280	1900	1903	1906	rVB	253586	221131	3.24%	0.224%
62	13.310	1906	1908	1913	rBV2	262791	284794	4.18%	0.288%
63	13.386	1918	1921	1931	rVB5	150479	297445	4.36%	0.301%
64	13.463	1931	1934	1936	rBV2	118498	151993	2.23%	0.154%
65	13.486	1936	1938	1941	rBV	132136	120099	1.76%	0.122%
66	13.592	1952	1956	1961	rVB	462788	540919	7.94%	0.547%
67	13.704	1971	1975	1978	rBV2	533787	688404	10.10%	0.697%
68	13.733	1978	1980	1982	rVV	527250	429801	6.31%	0.435%
69	13.757	1982	1984	1988	rVV2	370420	506816	7.43%	0.513%
70	13.798	1988	1991	1992	rVV2	496446	486166	7.13%	0.492%
71	13.816	1992	1994	1999	rVB	612983	692897	10.16%	0.701%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-5(0-2)

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
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72	13.951	2010	2017	2020	rBV3	3363850	4985214	73.13%	5.044%
73	13.986	2020	2023	2028	rVB	2801669	2748039	40.31%	2.781%
74	14.063	2033	2036	2039	rVV	302826	270392	3.97%	0.274%
75	14.139	2046	2049	2052	rVB2	317367	327876	4.81%	0.332%
76	14.174	2052	2055	2059	rVV2	276146	342451	5.02%	0.347%
77	14.210	2059	2061	2064	rVB3	125799	94949	1.39%	0.096%
78	14.304	2075	2077	2079	rBV	146508	148745	2.18%	0.151%
79	14.345	2080	2084	2087	rVV	494086	553303	8.12%	0.560%
80	14.374	2087	2089	2093	rVB	340035	299638	4.40%	0.303%
81	14.439	2097	2100	2102	rVB2	278707	258877	3.80%	0.262%
82	14.463	2102	2104	2107	rBV	192945	195425	2.87%	0.198%
83	14.986	2188	2193	2196	rBV	1957538	3170480	46.51%	3.208%
84	15.086	2208	2210	2214	rVB	377019	347993	5.10%	0.352%
85	15.274	2238	2242	2248	rVB	1076807	1417388	20.79%	1.434%
86	15.339	2248	2253	2258	rBV	1521316	1877295	27.54%	1.900%
87	15.398	2259	2263	2265	rVV	785307	966795	14.18%	0.978%
88	15.427	2265	2268	2275	rVB3	435194	727966	10.68%	0.737%
89	16.809	2498	2503	2510	rVB2	616930	1167627	17.13%	1.181%
90	17.233	2570	2575	2587	rVB	454450	908235	13.32%	0.919%

Sum of corrected areas: 98826755

LSC Report - Integrated Chromatogram

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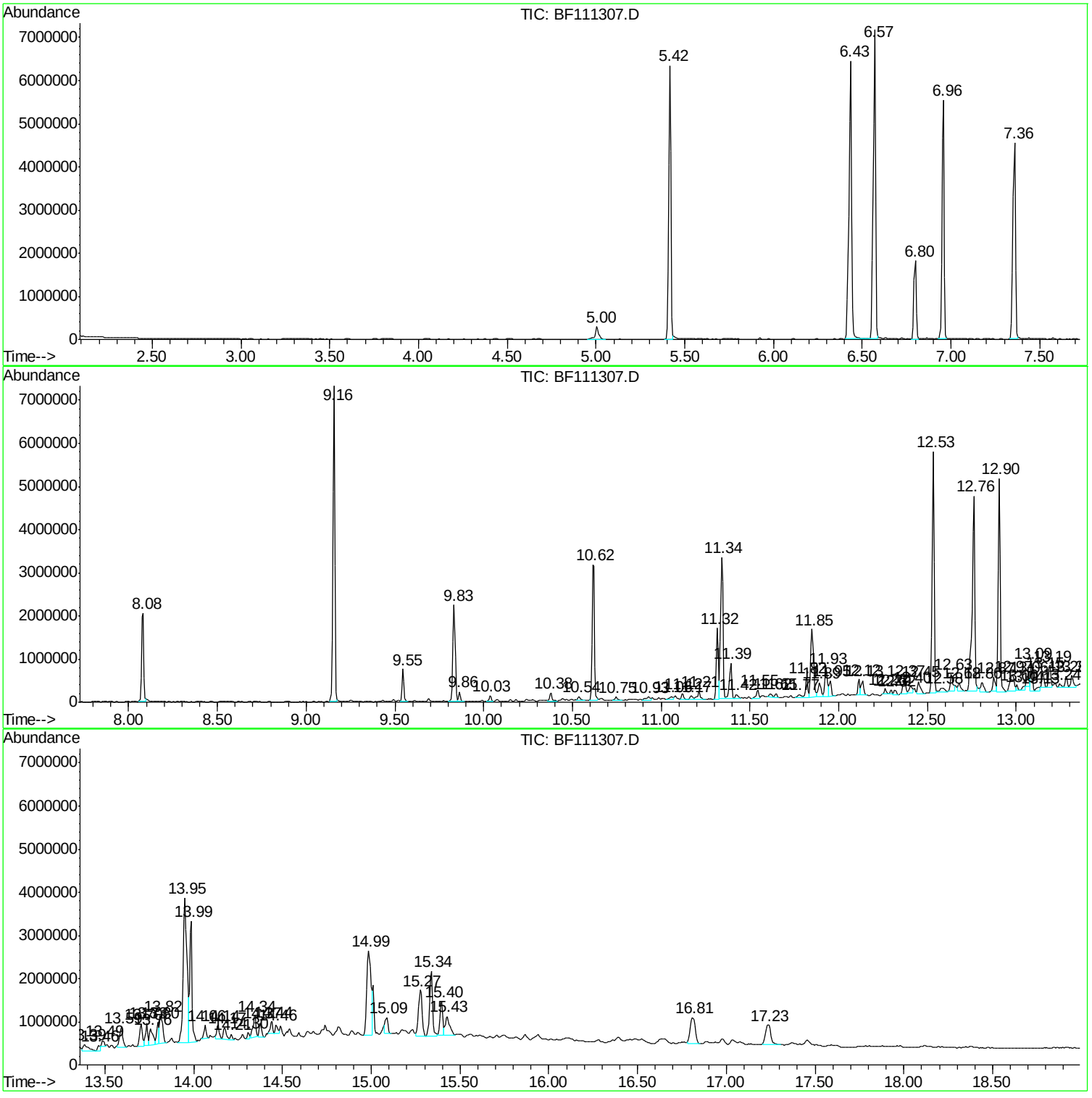
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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\BF121118\
Data File : BF111307.D
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Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

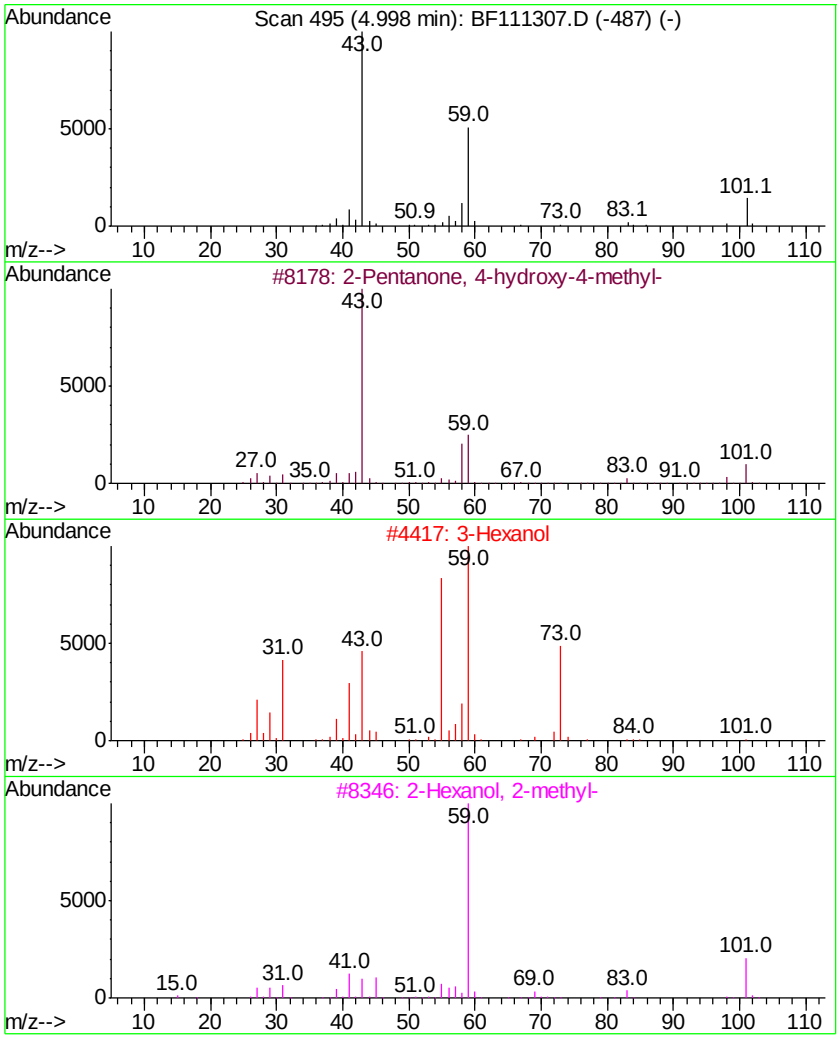
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

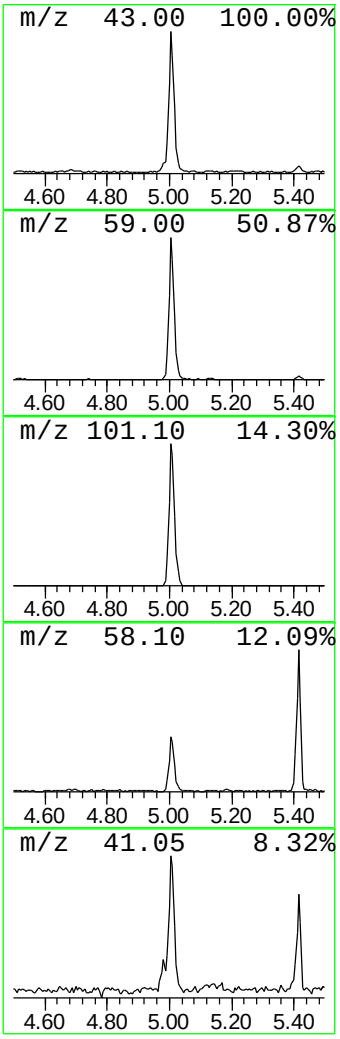
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	5.31 ng	387285	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol	102	C6H14O	000623-37-0	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111307.D
Acq On : 12 Dec 2018 5:38
Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

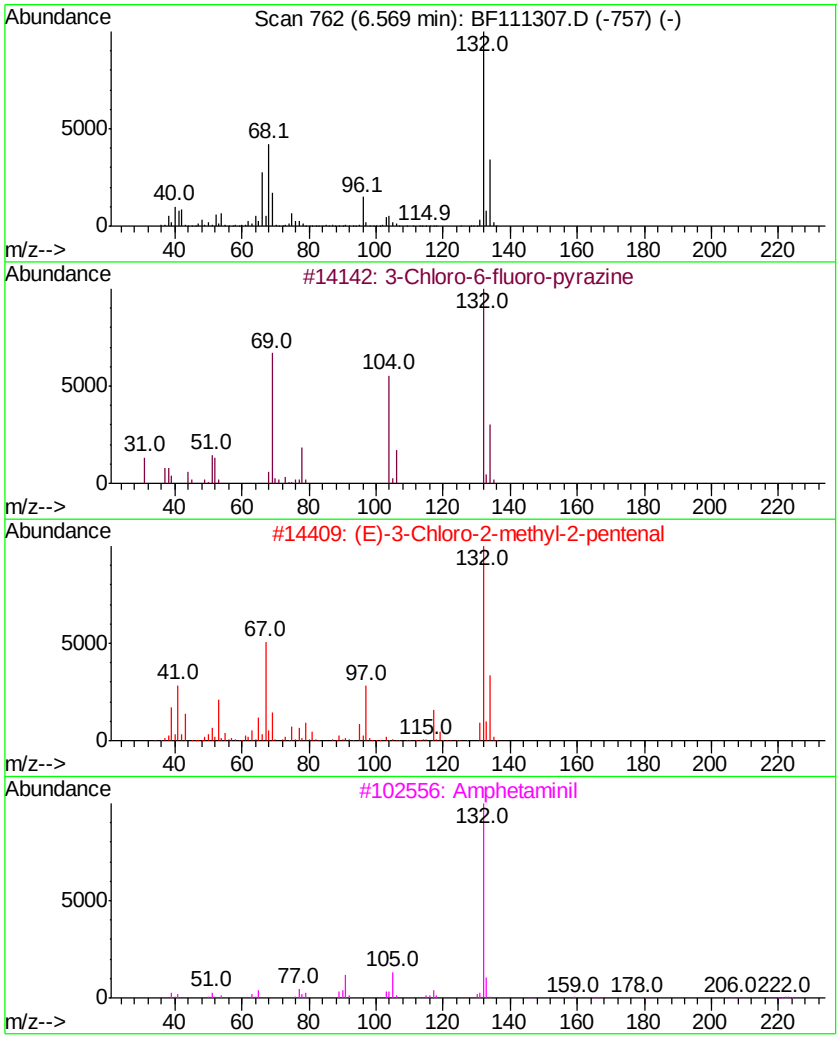
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

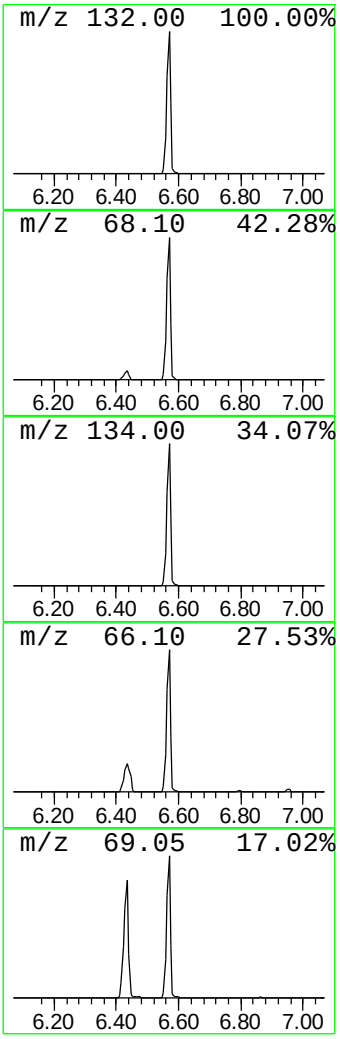
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	85.78 ng	6260920	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
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TIC Library : C:\DATABASE\NIST11.L
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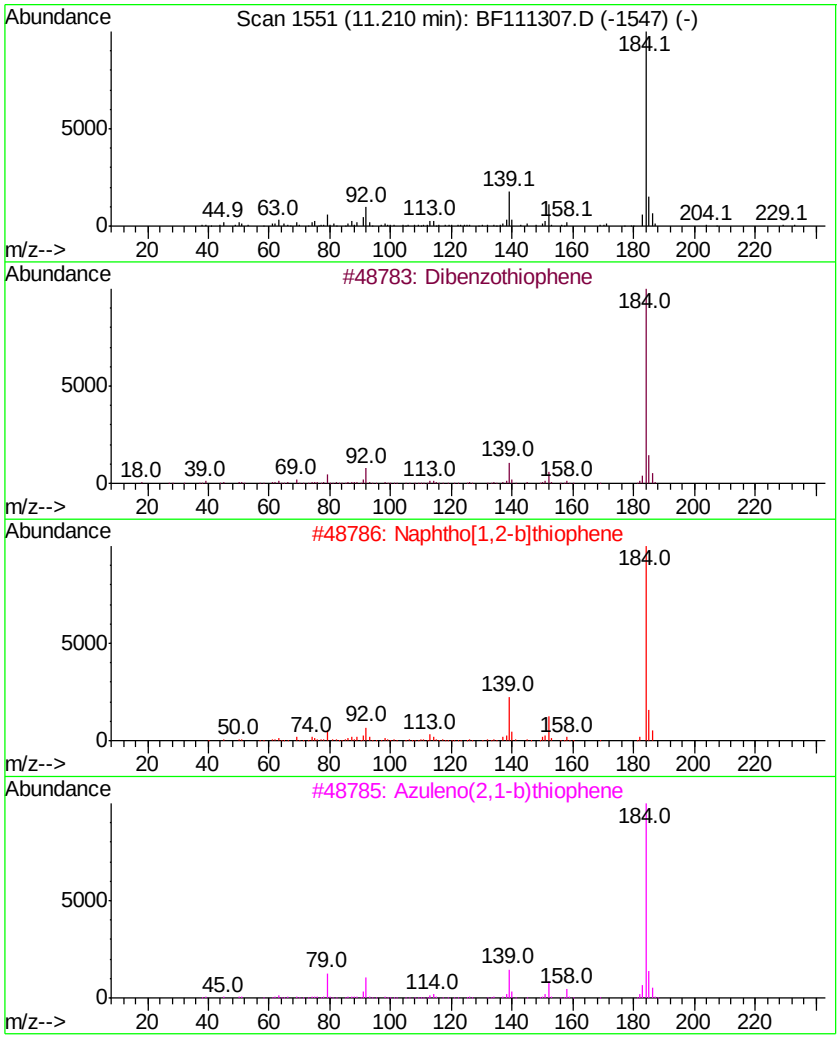
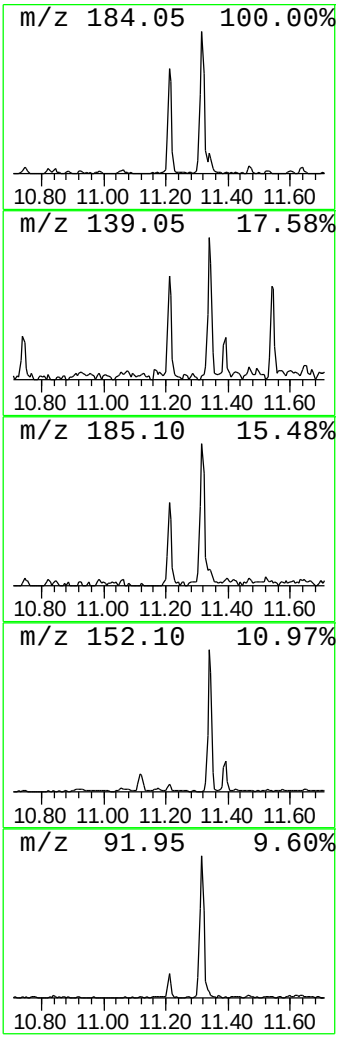
****

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.03 ng	228371	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91





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Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

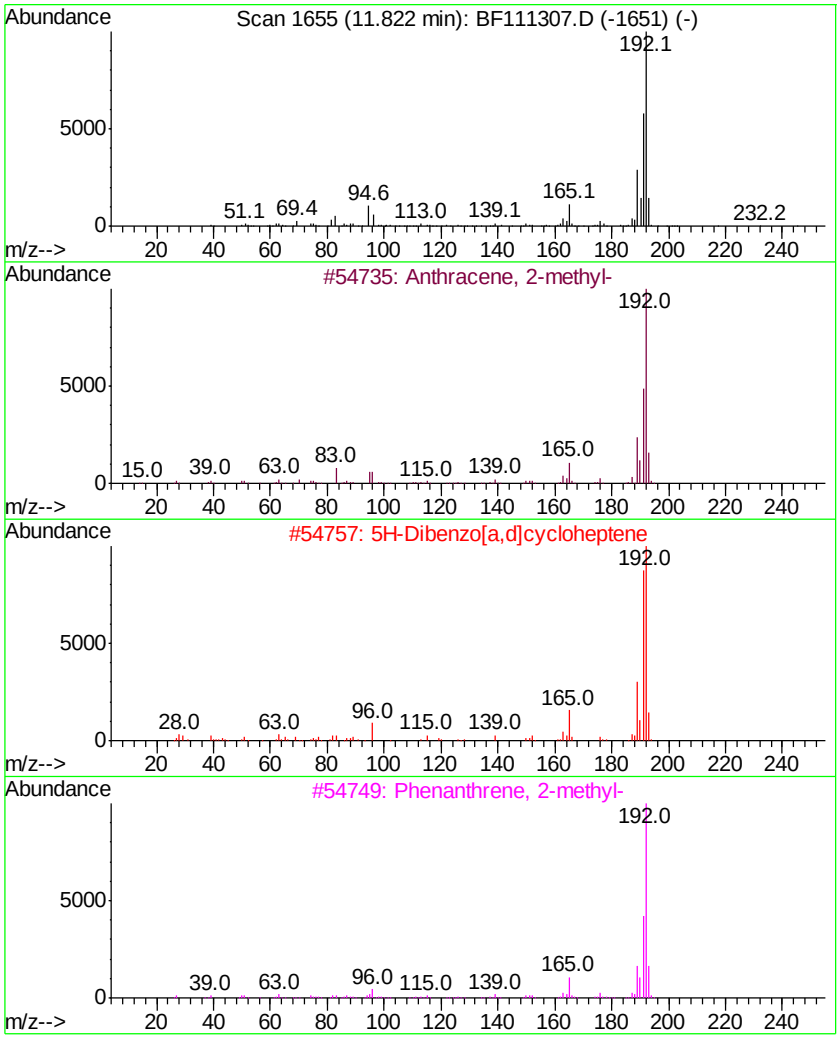
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

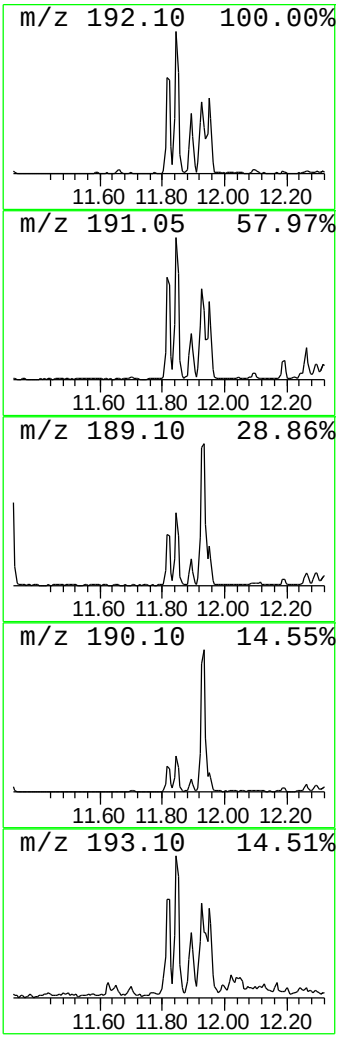
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.11 ng	461033	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83





Library Search Compound Report

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Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

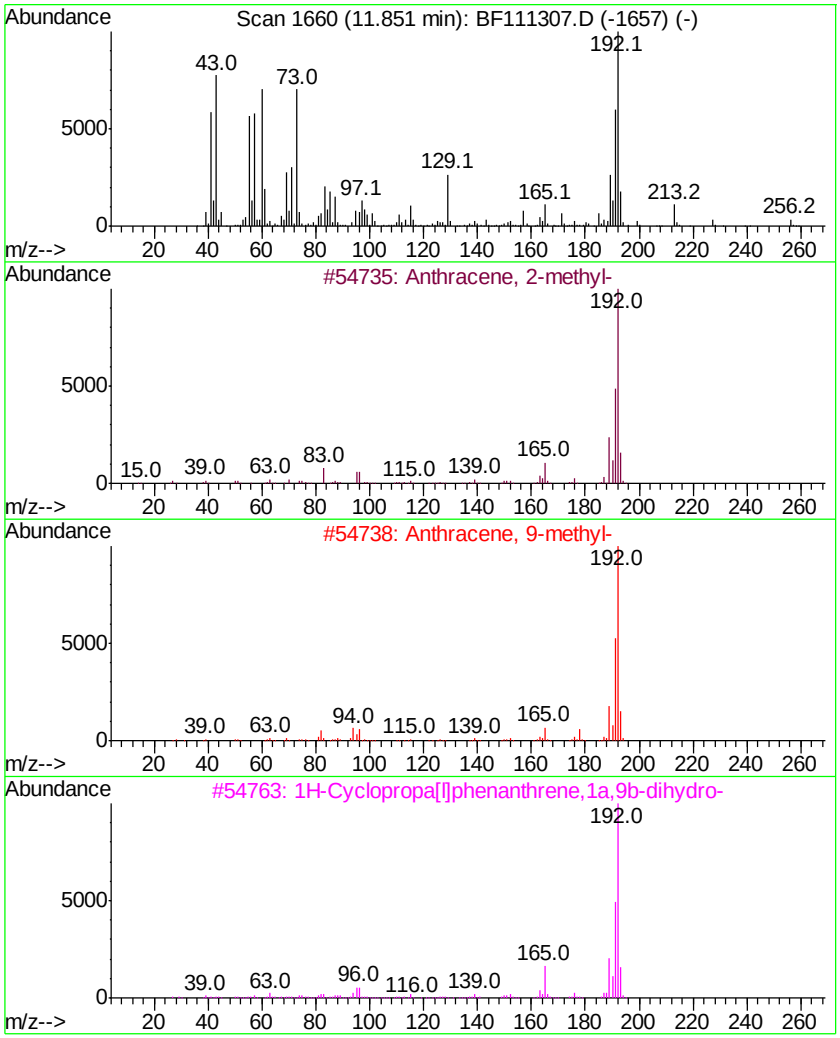
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

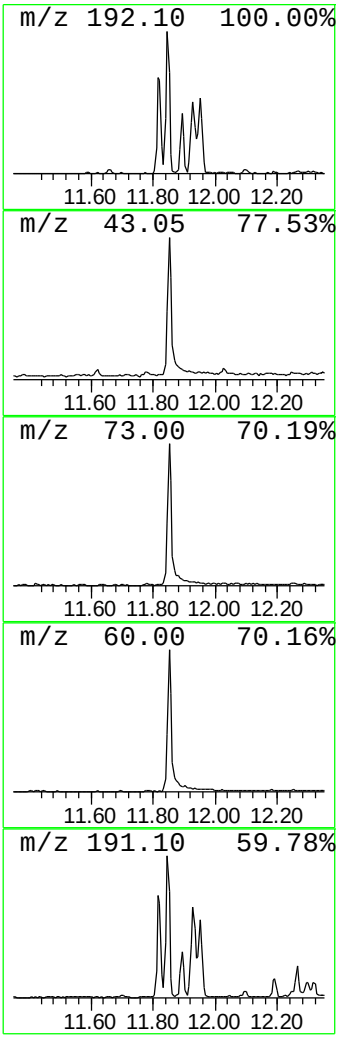
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	21.31 ng	1607840	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111307.D
Acq On : 12 Dec 2018 5:38
Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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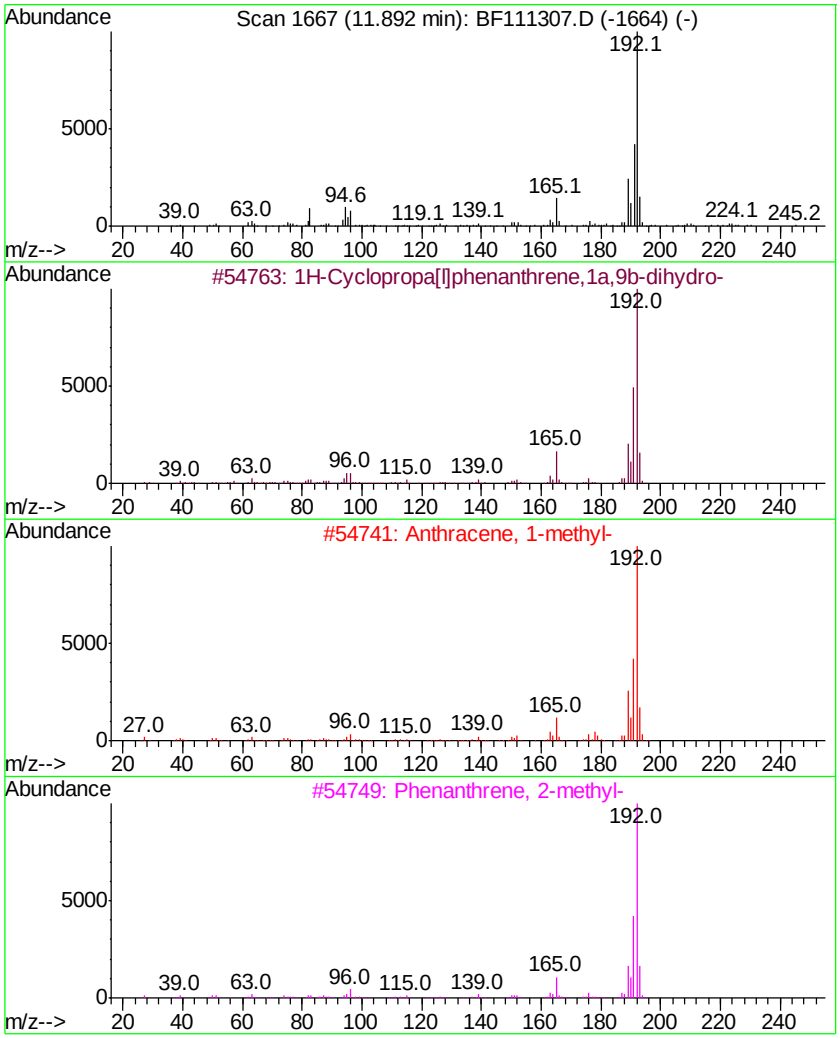
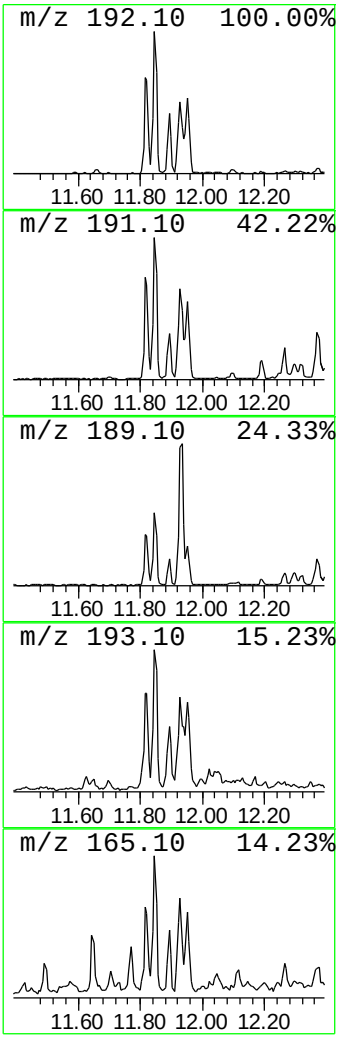
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.24 ng	319965	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

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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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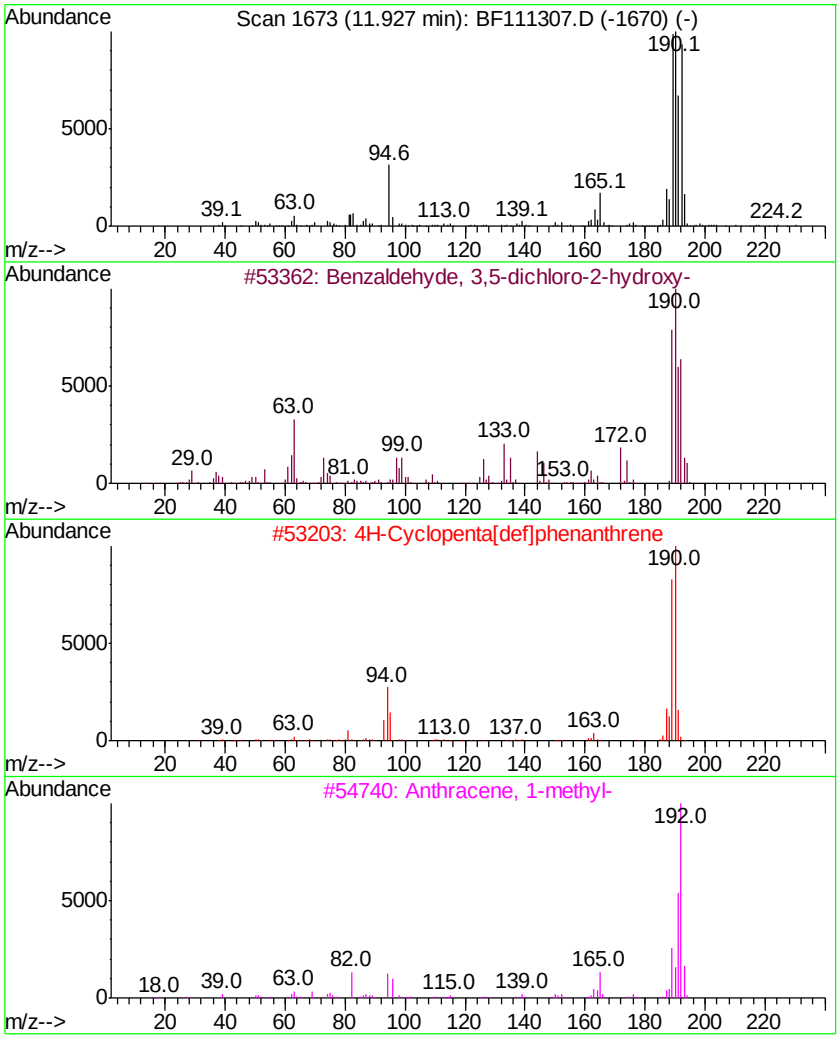
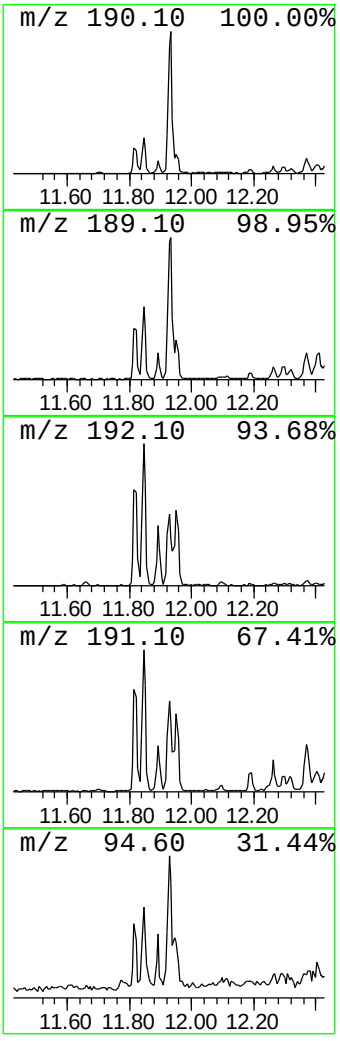
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	10.34 ng	780039	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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ClientSampleId : SB-5(0-2)

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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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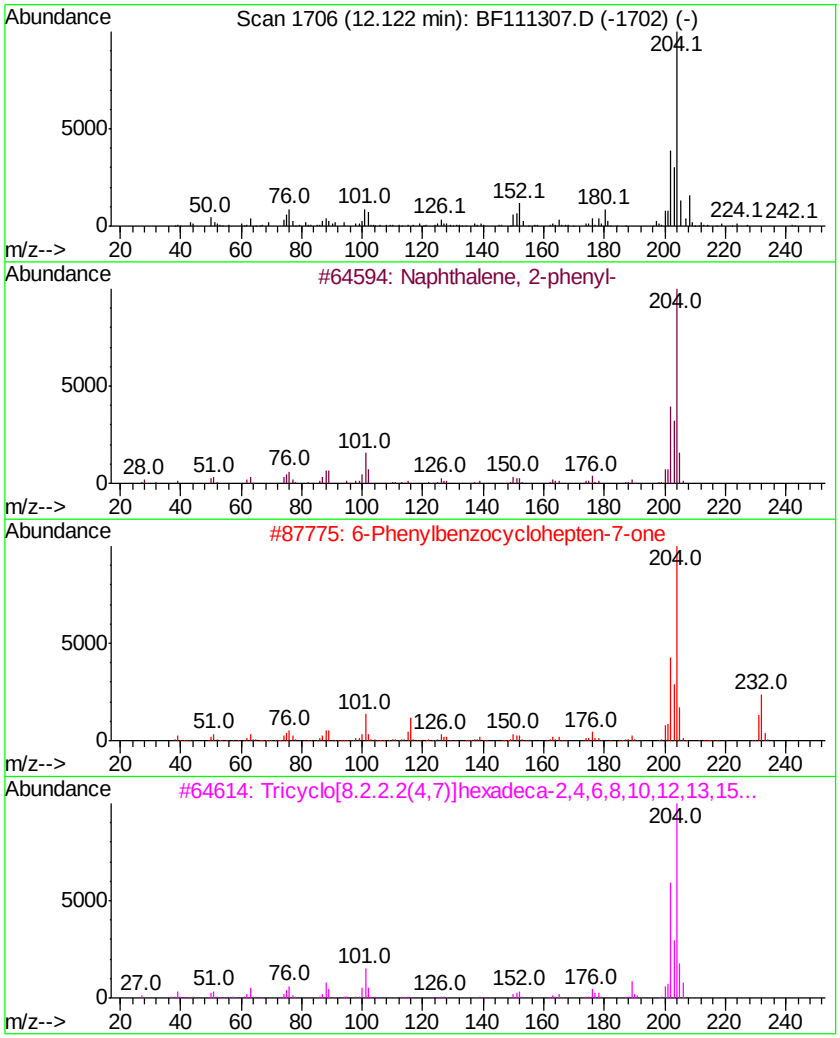
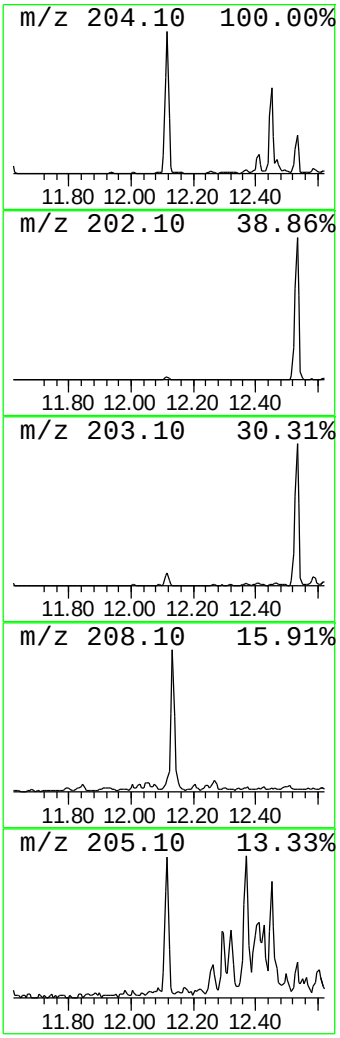
Peak Number 10 Naphthalene, 1-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.03 ng	303887	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86





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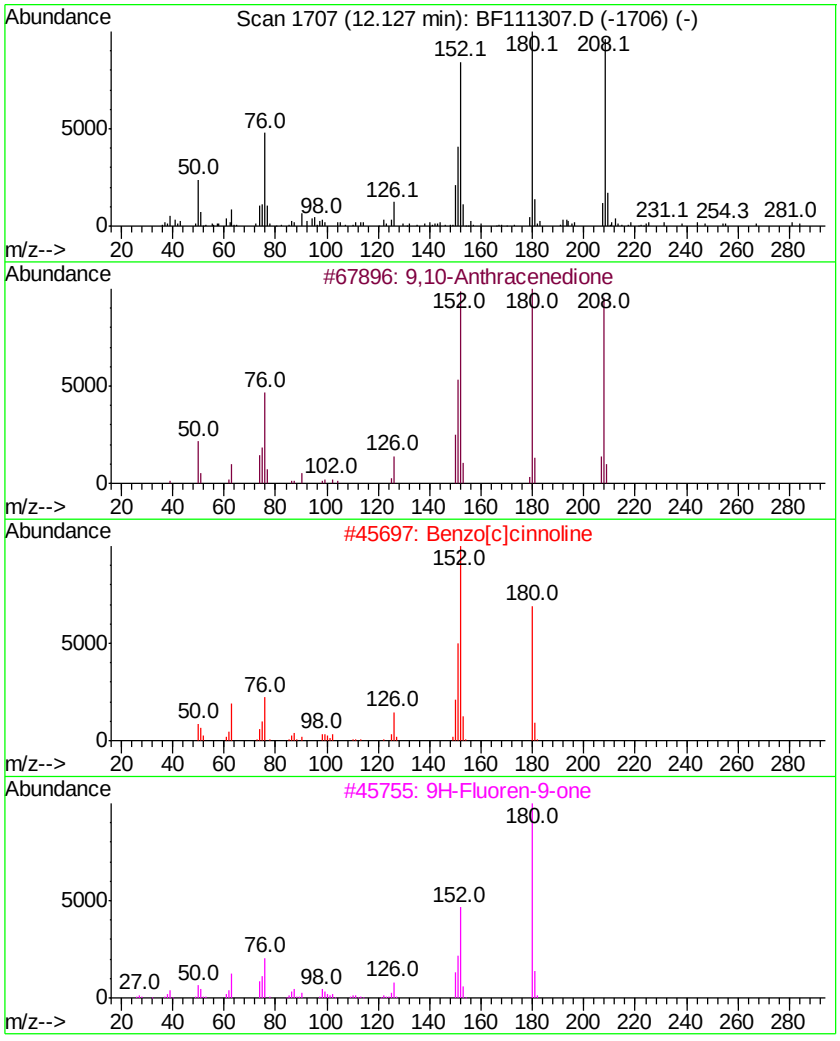
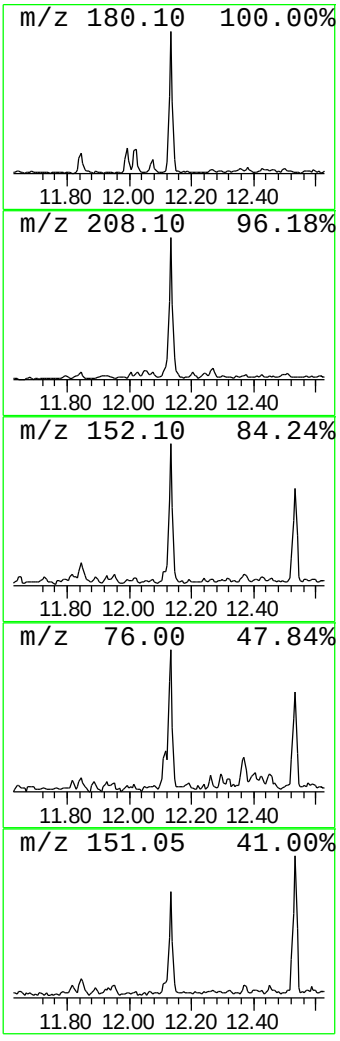
Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.54 ng	267445	Phenanthrene-d10	11.32

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	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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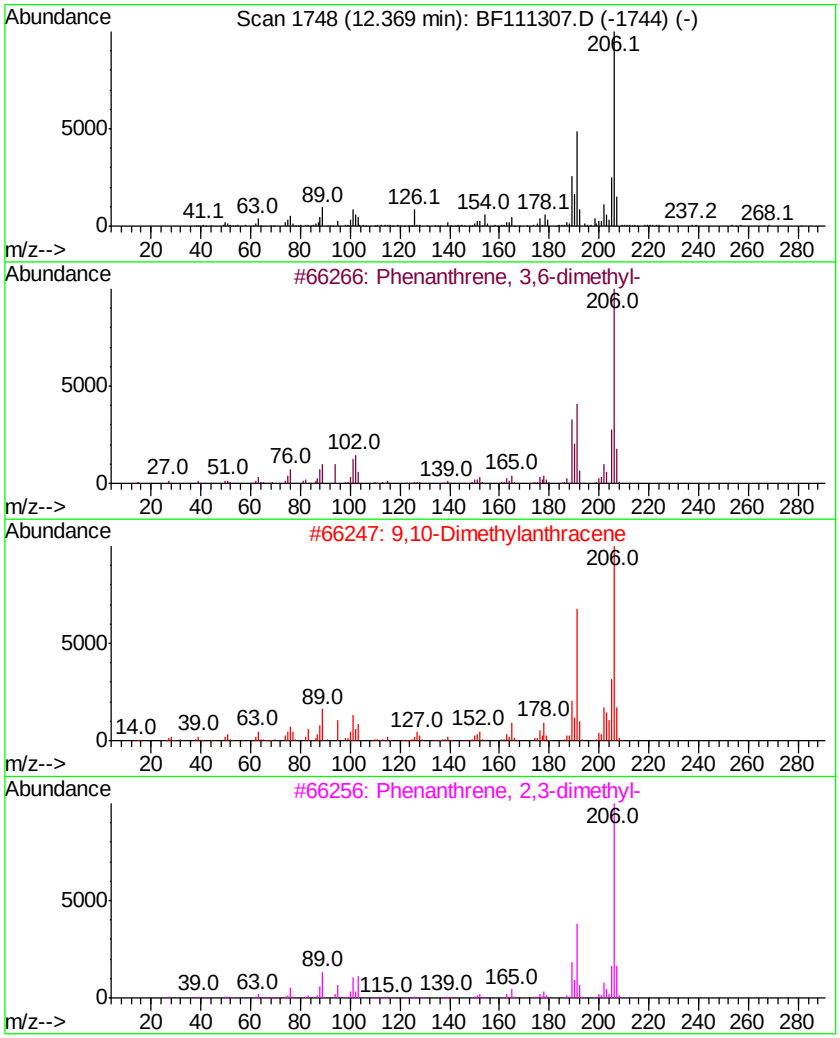
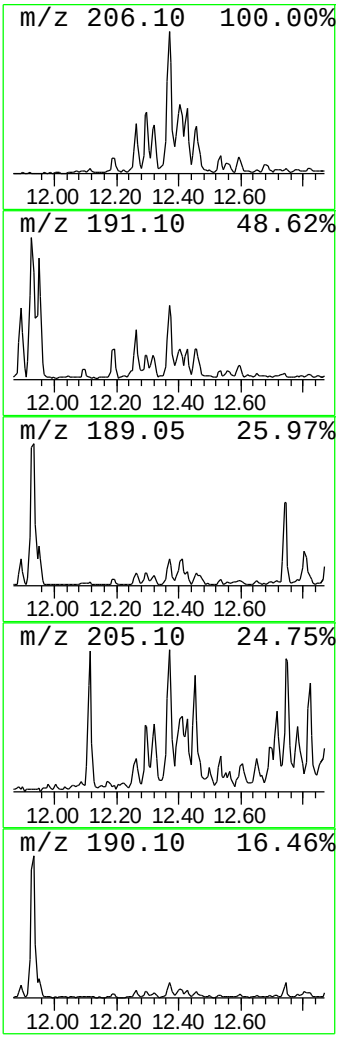
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.31 ng	325301	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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ClientSampleId : SB-5(0-2)

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

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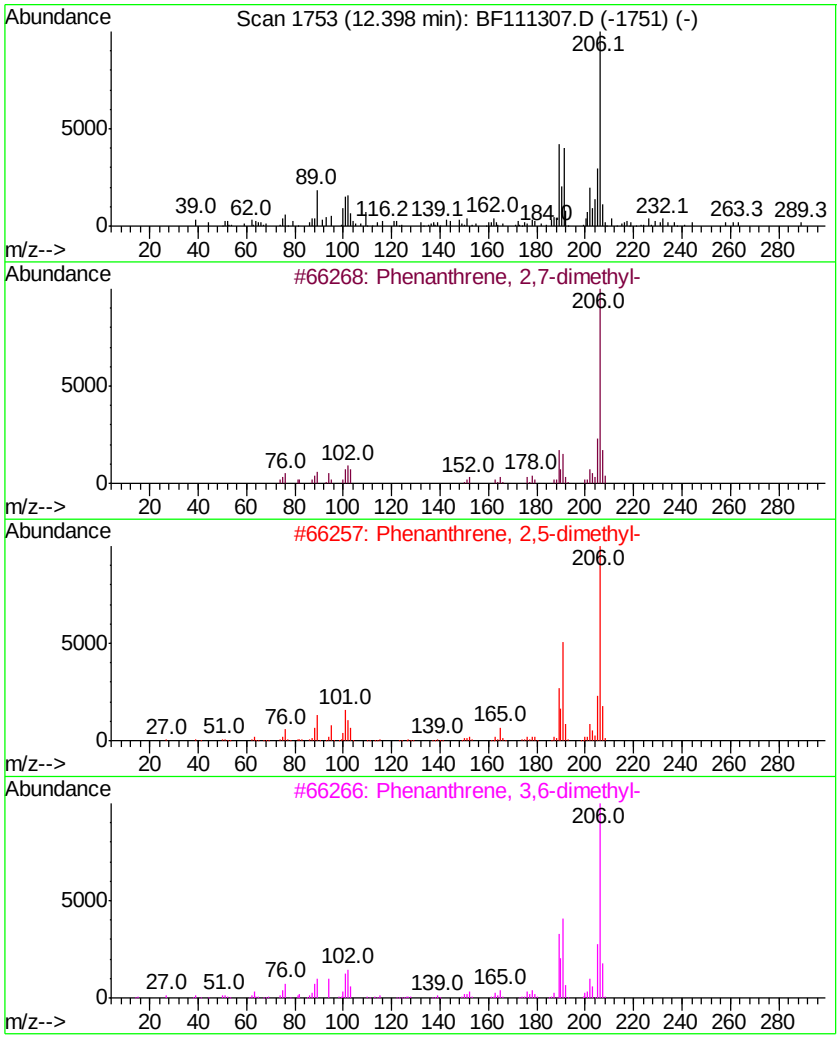
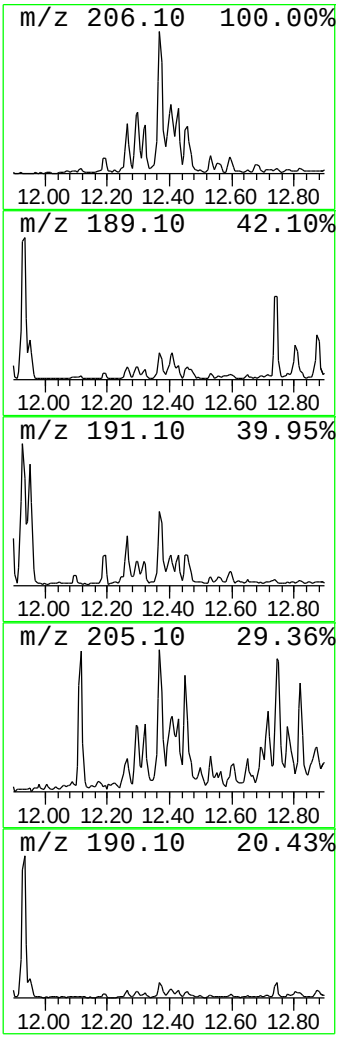
Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.27 ng	171294	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	43
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43





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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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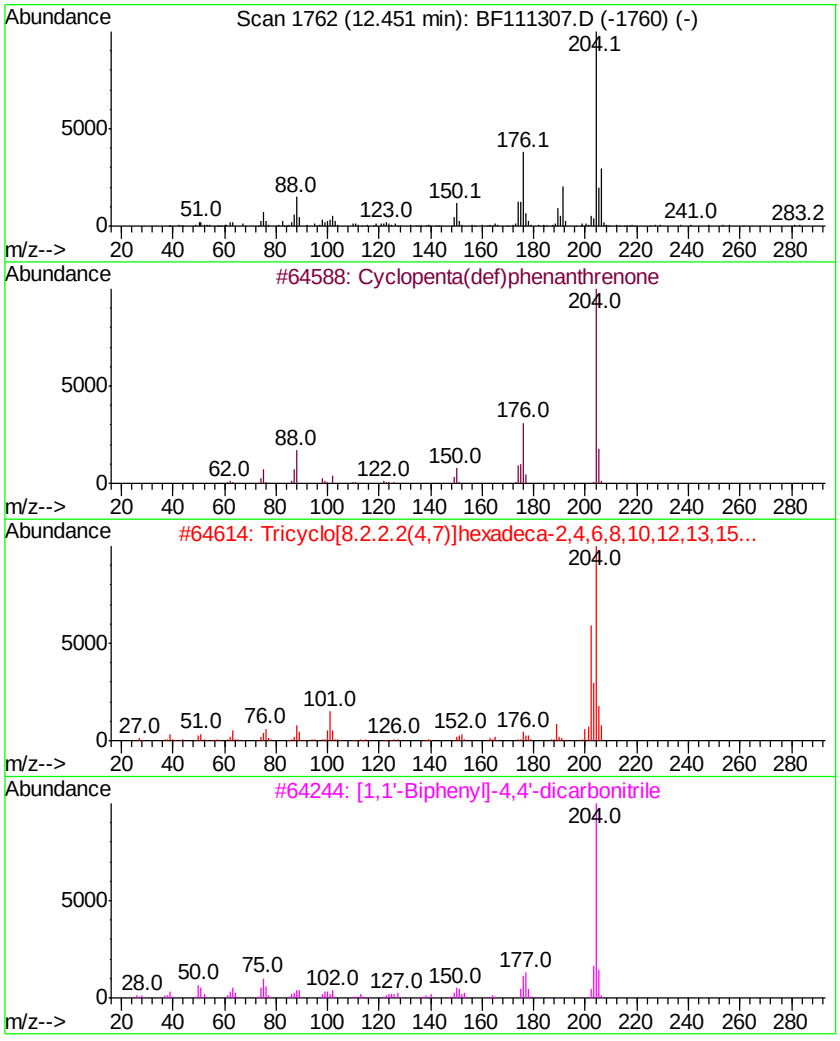
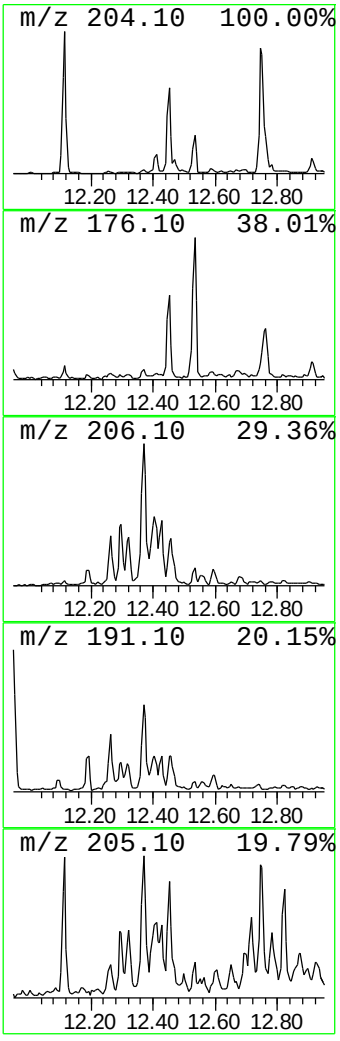
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.89 ng	293252	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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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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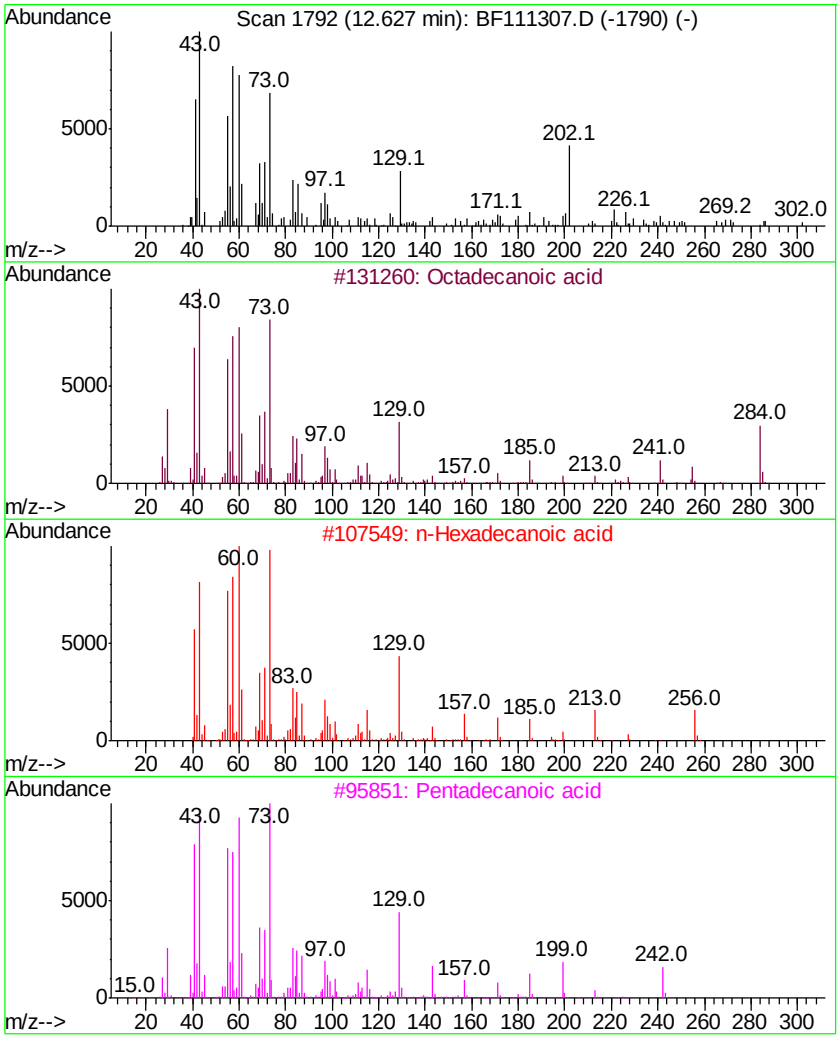
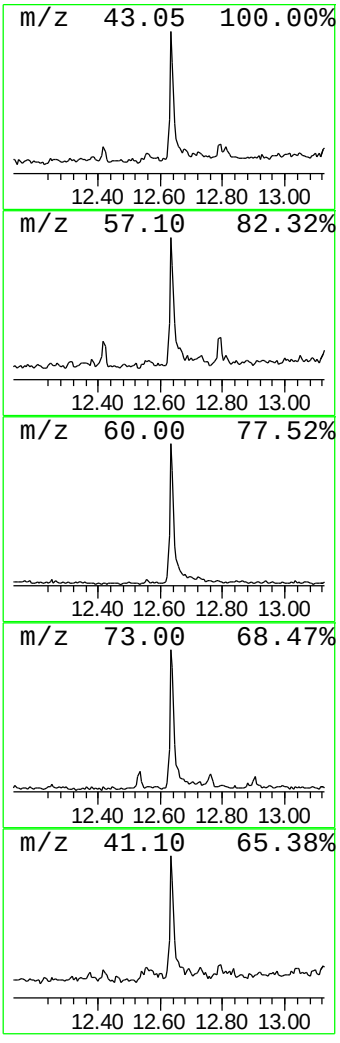
Peak Number 15 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	5.47 ng	412621	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





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

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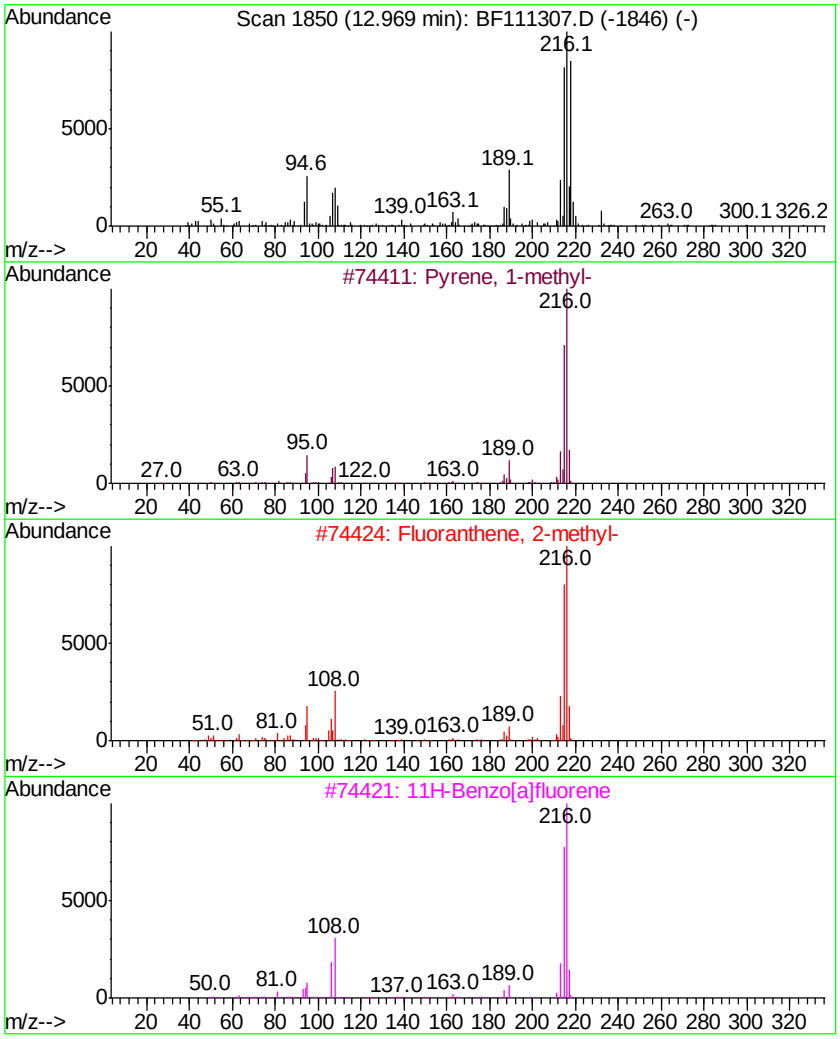
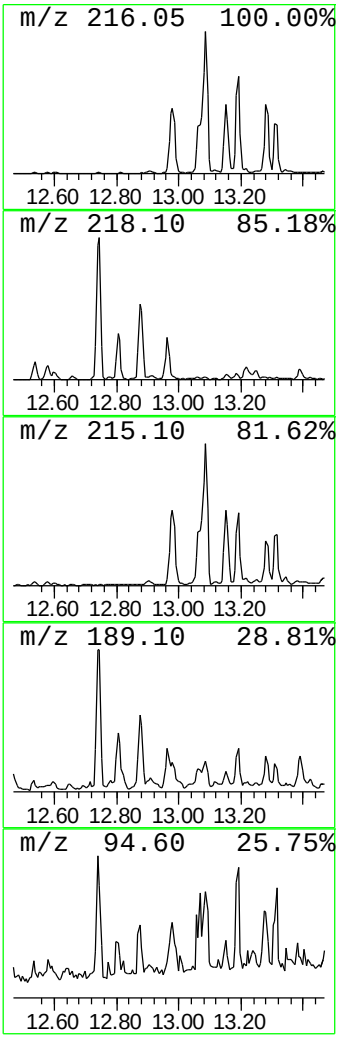
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.45 ng	610770	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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

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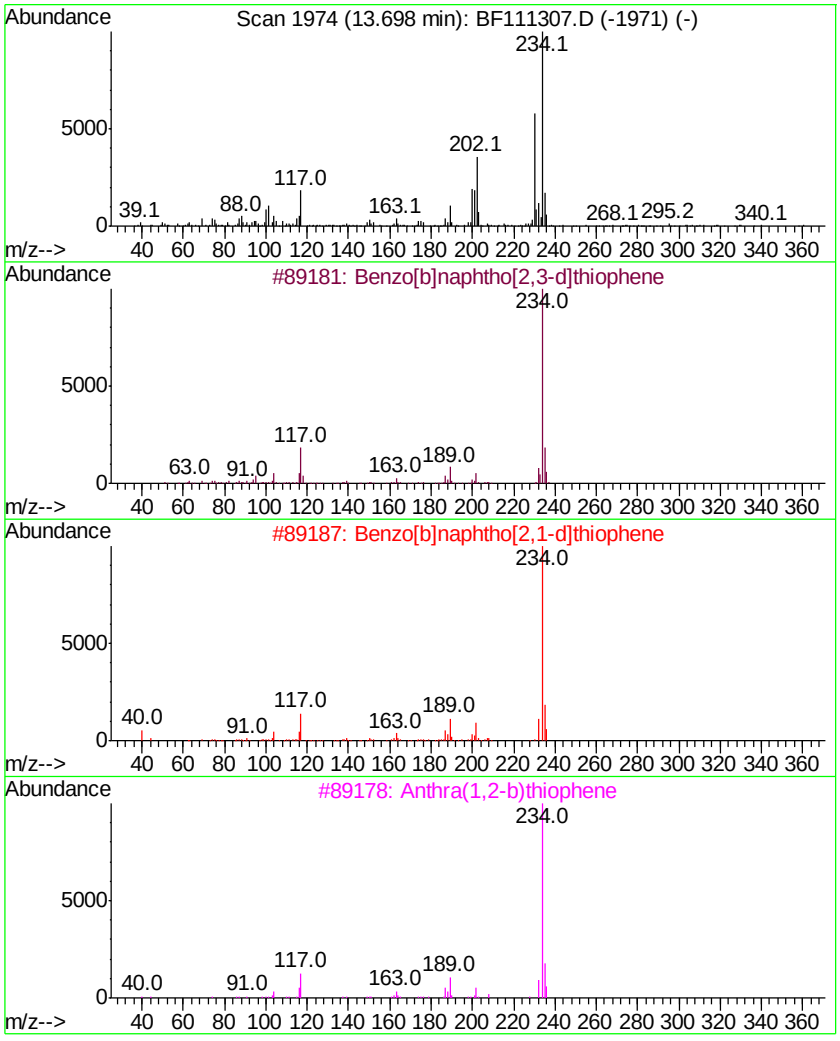
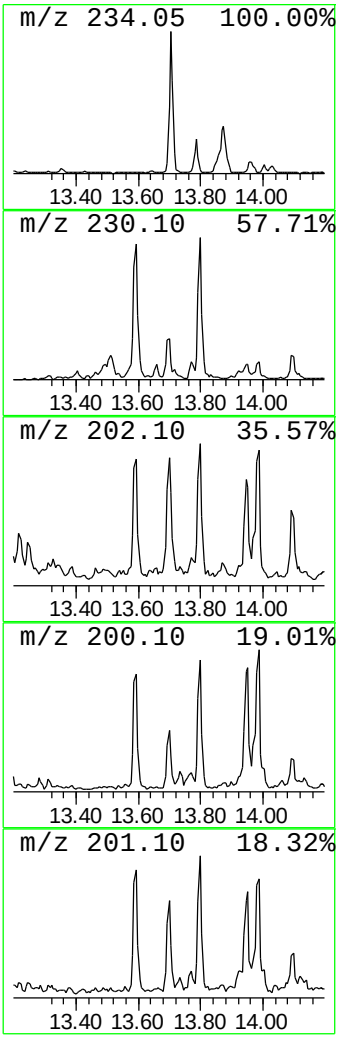
Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.76 ng	688404	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87





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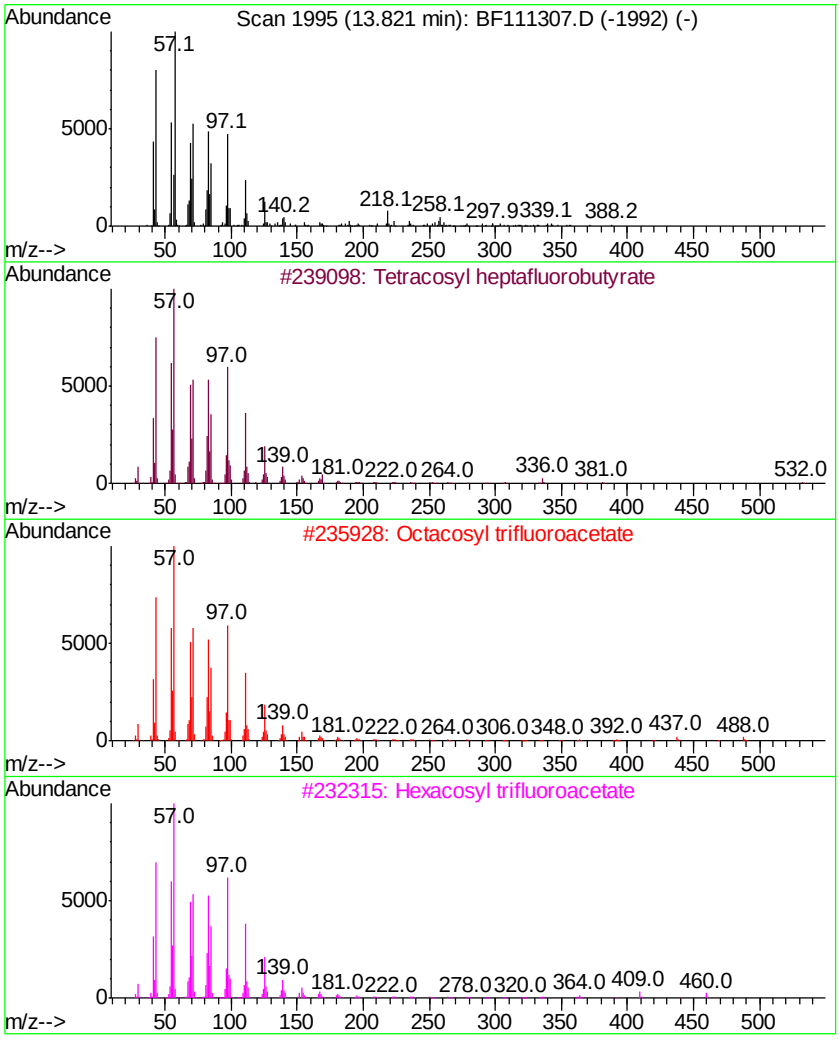
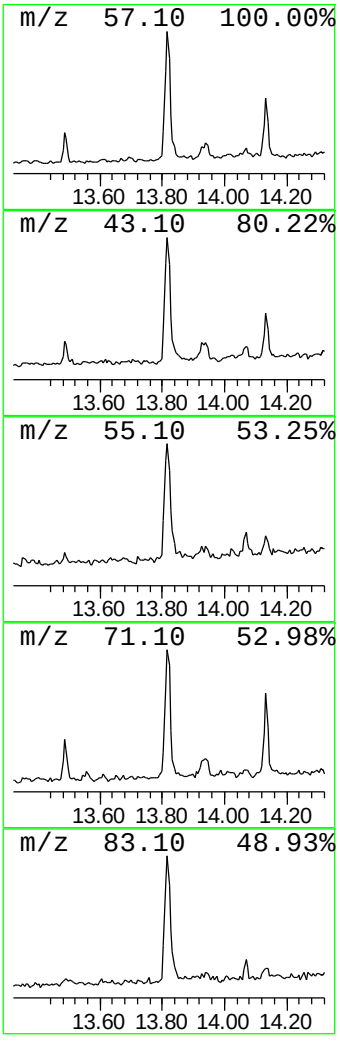
Peak Number 18 Tetracosyl heptafluorobutyrate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.78 ng	692897	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91
2	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
3	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	91
4	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
5	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91





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TIC Library : C:\DATABASE\NIST11.L
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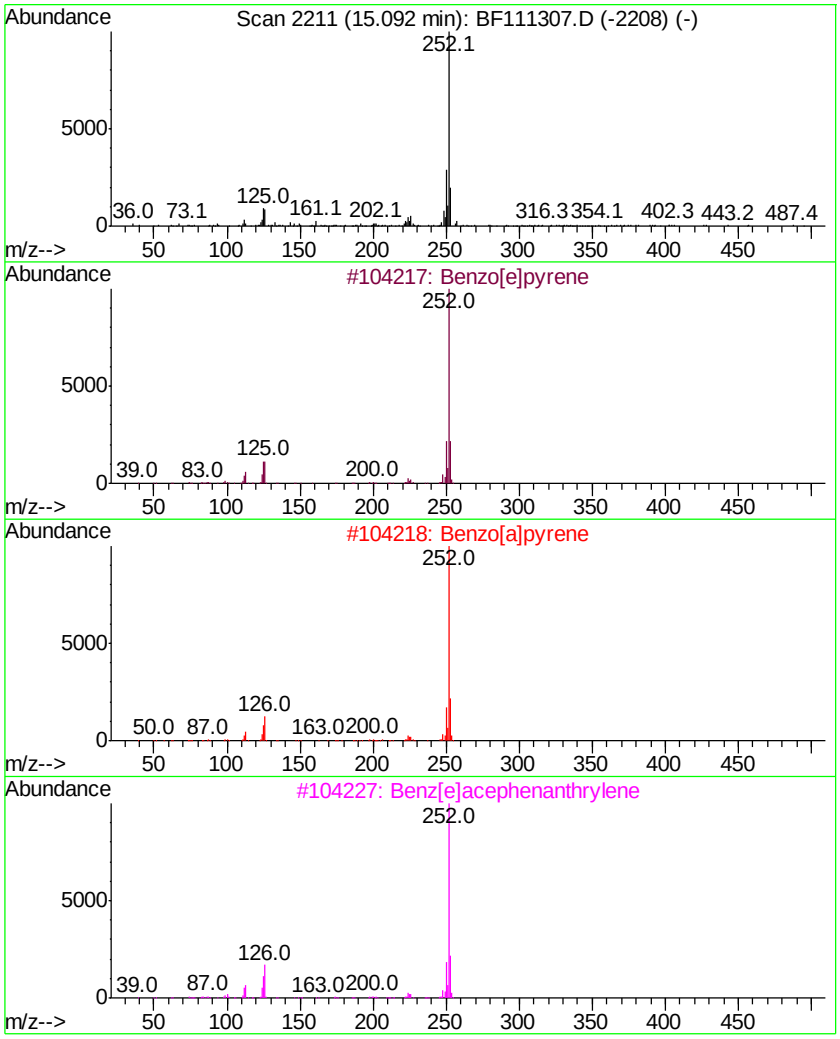
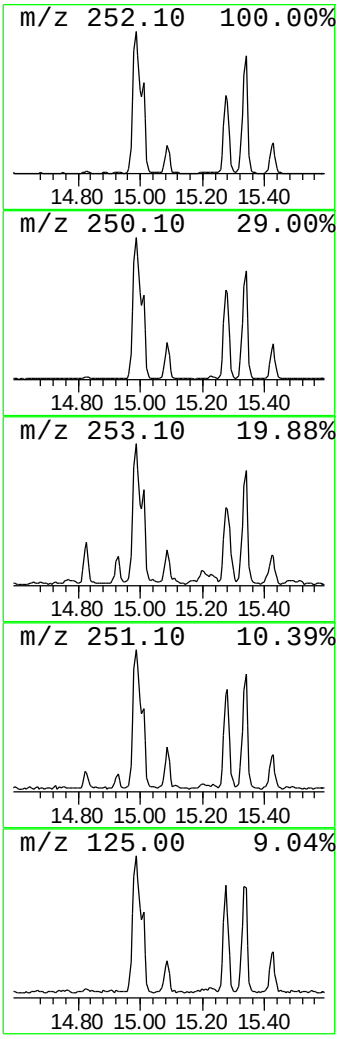
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	7.20 ng	347993	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111307.D
Acq On : 12 Dec 2018 5:38
Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

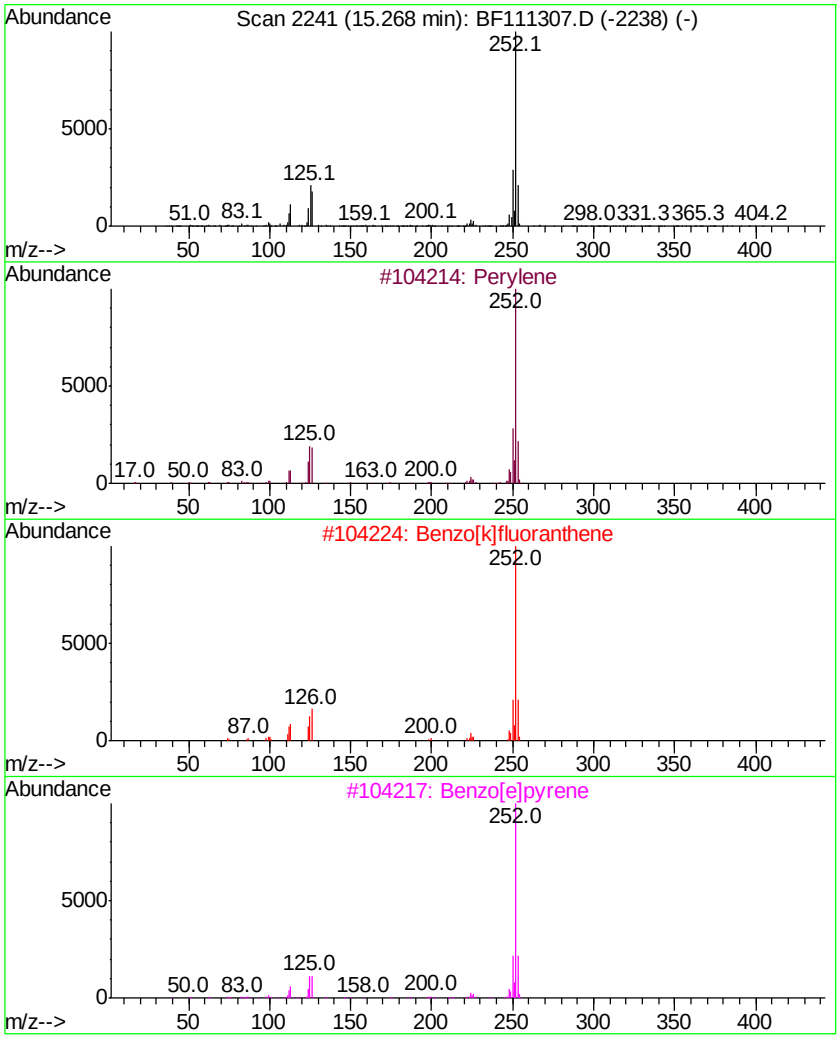
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

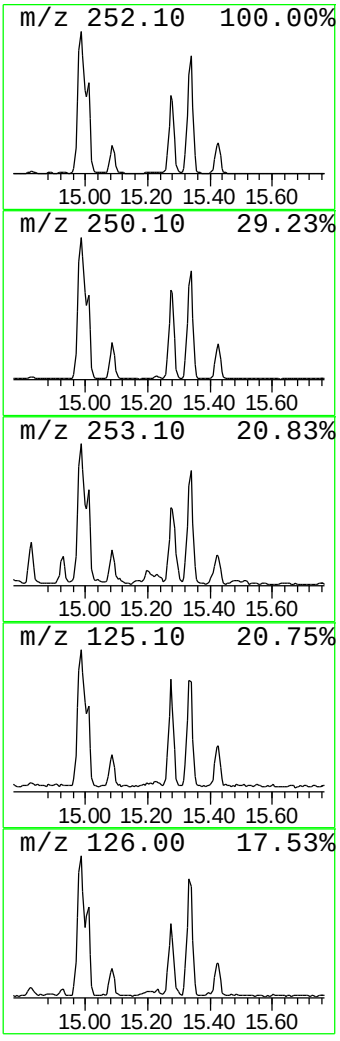
****

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	29.32 ng	1417390	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
Data File : BF111307.D
Acq On : 12 Dec 2018 5:38
Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.00	5.3	ng	387285	1	6.80	1459720	20.0
unknown6.57	6.57	85.8	ng	6260920	1	6.80	1459720	20.0
Dibenzothiophene	11.21	3.0	ng	228371	4	11.32	1509170	20.0
Anthracene, 2-met...	11.82	6.1	ng	461033	4	11.32	1509170	20.0
Anthracene, 1-met...	11.85	21.3	ng	1607840	4	11.32	1509170	20.0
1H-Cyclopropa[l]p...	11.89	4.2	ng	319965	4	11.32	1509170	20.0
Benzaldehyde, 3,5...	11.93	10.3	ng	780039	4	11.32	1509170	20.0
Naphthalene, 1-ph...	12.12	4.0	ng	303887	4	11.32	1509170	20.0
9,10-Anthracenedione	12.13	3.5	ng	267445	4	11.32	1509170	20.0
Phenanthrene, 3,6...	12.37	4.3	ng	325301	4	11.32	1509170	20.0
Phenanthrene, 2,7...	12.40	2.3	ng	171294	4	11.32	1509170	20.0
Cyclopenta(def)ph...	12.45	3.9	ng	293252	4	11.32	1509170	20.0
Octadecanoic acid	12.63	5.5	ng	412621	4	11.32	1509170	20.0
Pyrene, 1-methyl-	12.97	2.5	ng	610770	5	13.96	4985210	20.0
Benzo[b]naphtho[2...	13.70	2.8	ng	688404	5	13.96	4985210	20.0
Tetracosyl heptaf...	13.82	2.8	ng	692897	5	13.96	4985210	20.0
Benzo[e]pyrene	15.09	7.2	ng	347993	6	15.40	966795	20.0
Perylene	15.27	29.3	ng	1417390	6	15.40	966795	20.0