LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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-BF102318.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	2.275	28	32	39	rVB	50148	69484	1.84%	0.151%
2	5.581	590	594	603	rBV	829666	739596	19.60%	1.609%
3	6.581	760	764	779	rBV	919091	835796	22.15%	1.819%
4	6.734	786	790	793	rBV	957023	801249	21.24%	1.743%
5	6.969	826	830	833	rBV	931478	808463	21.43%	1.759%
6	7.122	852	856	865	rVB	724291	611202	16.20%	1.330%
7	7.528	921	925	937	rBV	460748	471643	12.50%	1.026%
8	8.251	1044	1048	1050	rBV	1196835	991952	26.29%	2.158%
9	8.269	1050	1051	1059	rVB	179214	167149	4.43%	0.364%
10	8.963	1166	1169	1176	rBV	118432	117628	3.12%	0.256%
11	9.063	1181	1186	1192	rBV	124663	114850	3.04%	0.250%
12	9.322	1226	1230	1240	rBV	1092568	871820	23.11%	1.897%
13	9.592	1272	1276	1280	rBV	68391	94272	2.50%	0.205%
14	9.663	1284	1288	1291	rBV	113232	112790	2.99%	0.245%
15	9.716	1295	1297	1304	rVB2	98091	103922	2.75%	0.226%
16	9.869	1317	1323	1328	rBV	131122	131023	3.47%	0.285%
17	10.010	1344	1347	1350	rBV2	1086320	913245	24.20%	1.987%
18	10.045	1350	1353	1356	rVB	443751	373913	9.91%	0.814%
19	10.216	1378	1382	1385	rBV	237730	225029	5.96%	0.490%
20	10.416	1412	1416	1422	rBV4	72369	115104	3.05%	0.250%
21	10.557	1437	1440	1445	rVB	507484	489263	12.97%	1.065%
22	10.645	1453	1455	1457	rVB	82973	64835	1.72%	0.141%
23	10.716	1465	1467	1470	rVB	103876	87304	2.31%	0.190%
24	10.798	1477	1481	1485	rBV	478739	449893	11.92%	0.979%
25	10.898	1495	1498	1508	rVB4	56958	116358	3.08%	0.253%
26	11.110	1527	1534	1536	rBV2	119053	157821	4.18%	0.343%
27	11.133	1536	1538	1541	rVV2	71088	74608	1.98%	0.162%
28	11.233	1550	1555	1557	rVV3	64335	86786	2.30%	0.189%
29	11.257	1557	1559	1563	rVV3	67244	75716	2.01%	0.165%
30	11.345	1571	1574	1578	rVV2	98113	106181	2.81%	0.231%
31	11.398	1581	1583	1587	rVB	176583	144653	3.83%	0.315%
32	11.504	1597	1601	1603	rBV	916325	856288	22.69%	1.863%
33	11.533	1603	1606	1609	rVV	2789013	2383447	63.17%	5.186%
34	11.580	1610	1614	1617	rVV	1116446	921855	24.43%	2.006%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
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Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.610	1617	1619	1625	rVV	71627	101201	2.68%	0.220%
36	11.733	1636	1640	1645	rVV	171868	197587	5.24%	0.430%
37	11.798	1649	1651	1653	rVV	77933	66519	1.76%	0.145%
38	11.833	1654	1657	1661	rVV3	56550	65693	1.74%	0.143%
39	11.875	1661	1664	1669	rVV	414649	325013	8.61%	0.707%
40	12.004	1680	1686	1689	rBV	366824	339426	9.00%	0.739%
41	12.033	1689	1691	1694	rVB	476096	378525	10.03%	0.824%
42	12.080	1694	1699	1702	rBV	246085	228067	6.04%	0.496%
43	12.122	1702	1706	1708	rVV2	776587	809462	21.45%	1.761%
44	12.139	1708	1709	1713	rVB	256318	177926	4.72%	0.387%
45	12.298	1733	1736	1739	rVV	279663	254825	6.75%	0.554%
46	12.569	1776	1782	1784	rBV2	1524505	1651850	43.78%	3.594%
47	12.586	1784	1785	1792	rVB3	1090581	954066	25.29%	2.076%
48	12.645	1792	1795	1797	rBV2	107485	133418	3.54%	0.290%
49	12.669	1797	1799	1804	rVB3	206817	202227	5.36%	0.440%
50	12.727	1804	1809	1812	rBV	3410835	3589390	95.13%	7.810%
51	12.786	1817	1819	1821	rVB	105901	79753	2.11%	0.174%
52	12.874	1831	1834	1837	rVV	112492	111342	2.95%	0.242%
53	12.963	1841	1849	1853	rBV	3020929	3773195	100.00%	8.210%
54	12.998	1853	1855	1859	rVB2	168805	180139	4.77%	0.392%
55	13.086	1863	1870	1872	rBV2	776792	824733	21.86%	1.794%
56	13.110	1872	1874	1878	rVB	123794	112375	2.98%	0.245%
57	13.163	1879	1883	1888	rBV2	234703	422127	11.19%	0.918%
58	13.251	1895	1898	1900	rBV3	146422	184028	4.88%	0.400%
59	13.280	1900	1903	1906	rVB2	701955	612999	16.25%	1.334%
60	13.345	1911	1914	1917	rBV	705257	577434	15.30%	1.256%
61	13.386	1917	1921	1923	rVV2	302917	343318	9.10%	0.747%
62	13.410	1923	1925	1928	rVB	104198	90522	2.40%	0.197%
63	13.439	1928	1930	1933	rVB2	77555	66904	1.77%	0.146%
64	13.480	1933	1937	1939	rBV	184392	168392	4.46%	0.366%
65	13.510	1939	1942	1945	rBV	182296	172369	4.57%	0.375%
66	13.763	1981	1985	1987	rBV2	110351	132639	3.52%	0.289%
67	13.792	1987	1990	1994	rVB	118241	151880	4.03%	0.330%
68	13.904	2004	2009	2011	rBV2	255208	290081	7.69%	0.631%
69	13.927	2011	2013	2015	rVV	264594	202282	5.36%	0.440%
70	13.957	2015	2018	2023	rVV2	206593	298933	7.92%	0.650%
71	14.069	2033	2037	2043	rBV	104152	176001	4.66%	0.383%

LSC Area Percent Report

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Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.145	2043	2050	2054	rVV3	1801853	2763891	73.25%	6.014%
73	14.180	2054	2056	2063	rVV	1517411	1398366	37.06%	3.043%
74	14.263	2067	2070	2073	rVV	471991	424902	11.26%	0.924%
75	14.298	2073	2076	2080	rVV3	133535	185130	4.91%	0.403%
76	14.345	2081	2084	2086	rVV	120871	114654	3.04%	0.249%
77	14.374	2086	2089	2093	rVV2	133571	192584	5.10%	0.419%
78	14.498	2108	2110	2112	rBV2	75150	68818	1.82%	0.150%
79	14.539	2112	2117	2119	rVV	297886	299534	7.94%	0.652%
80	14.574	2120	2123	2125	rVB	115447	106950	2.83%	0.233%
81	14.639	2132	2134	2136	rVB	131429	101135	2.68%	0.220%
82	14.669	2136	2139	2141	rVV	144825	153512	4.07%	0.334%
83	14.692	2141	2143	2146	rVB	206343	177800	4.71%	0.387%
84	14.739	2146	2151	2158	rVB3	103057	180235	4.78%	0.392%
85	15.057	2202	2205	2209	rVB2	78964	83029	2.20%	0.181%
86	15.233	2229	2235	2237	rBV	861090	1357278	35.97%	2.953%
87	15.257	2237	2239	2246	rVV	544709	591398	15.67%	1.287%
88	15.339	2250	2253	2257	rBV	206149	231979	6.15%	0.505%
89	15.433	2266	2269	2271	rBV3	59495	76324	2.02%	0.166%
90	15.551	2285	2289	2296	rVB	510740	674731	17.88%	1.468%
91	15.621	2296	2301	2306	rBV	821952	1046180	27.73%	2.276%
92	15.680	2306	2311	2314	rVV	377241	545475	14.46%	1.187%
93	15.715	2314	2317	2323	rVB	246376	341438	9.05%	0.743%
94	16.133	2385	2388	2394	rVB4	67676	119395	3.16%	0.260%
95	16.280	2410	2413	2419	rVB2	65590	94229	2.50%	0.205%
96	17.251	2572	2578	2587	rBV2	315684	609892	16.16%	1.327%
97	17.439	2605	2610	2615	rBV	65981	128545	3.41%	0.280%
98	17.504	2617	2621	2626	rVV3	45895	82449	2.19%	0.179%
99	17.733	2653	2660	2673	rVB	233581	544720	14.44%	1.185%
100	17.980	2698	2702	2710	rVB	72192	134226	3.56%	0.292%

Sum of corrected areas: 45960578

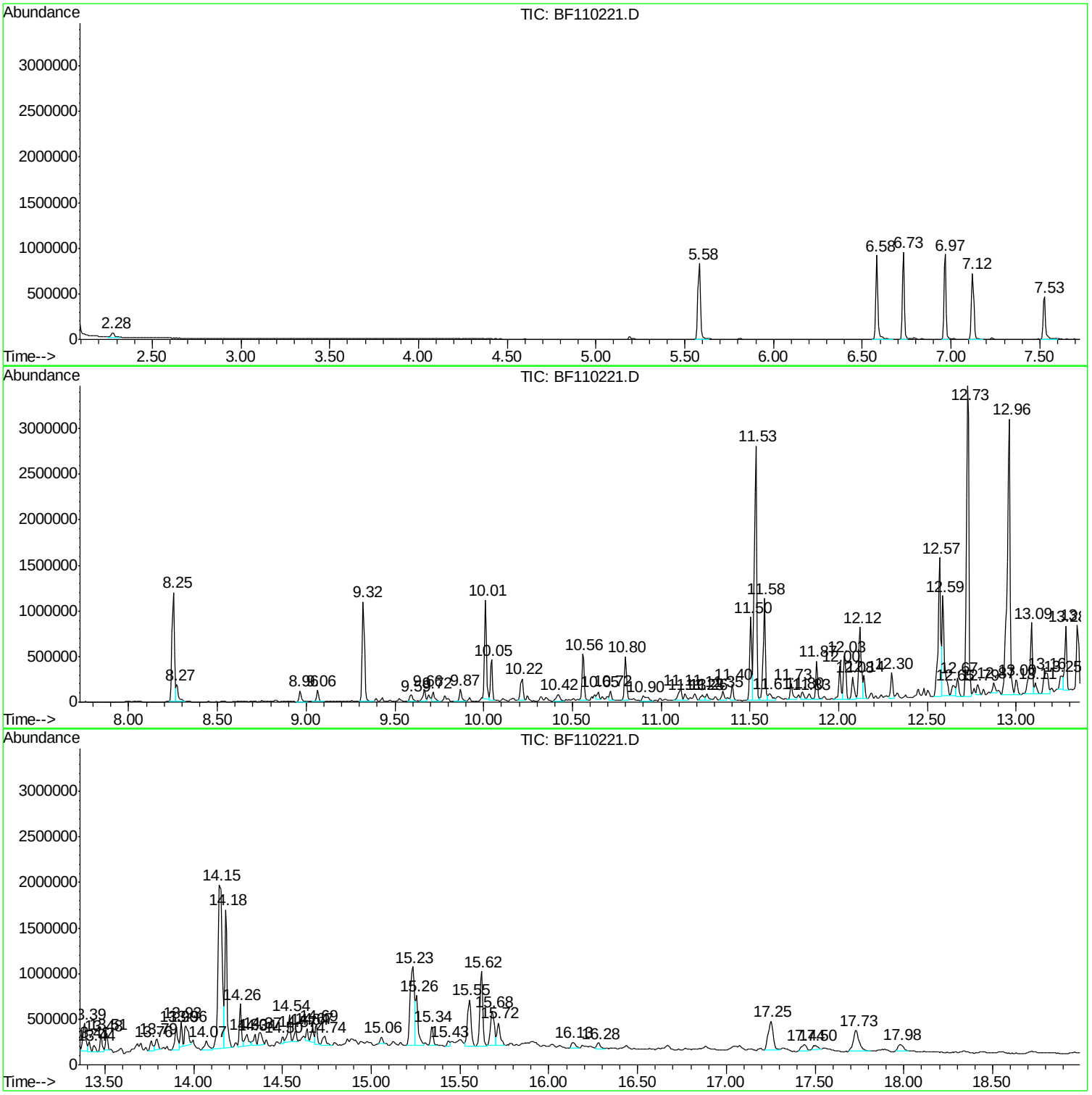
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

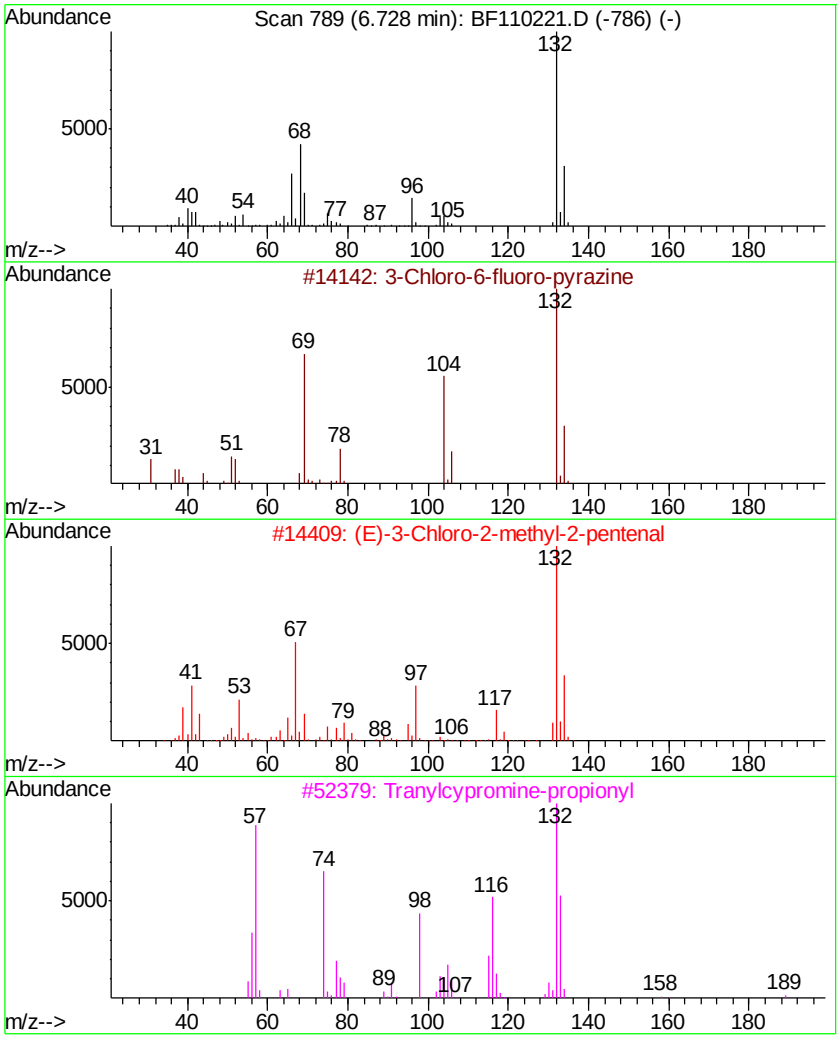
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

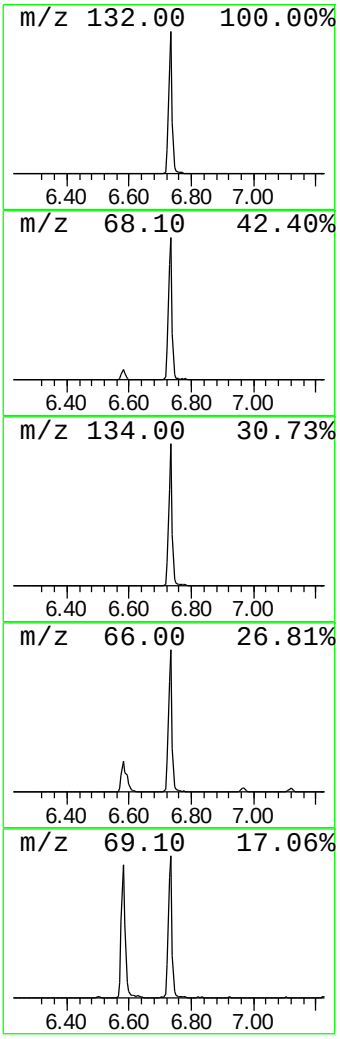
****

Peak Number 1 unknown6.73 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	19.82 ng	801249	1,4-Dichlorobenzene-d4	6.97

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

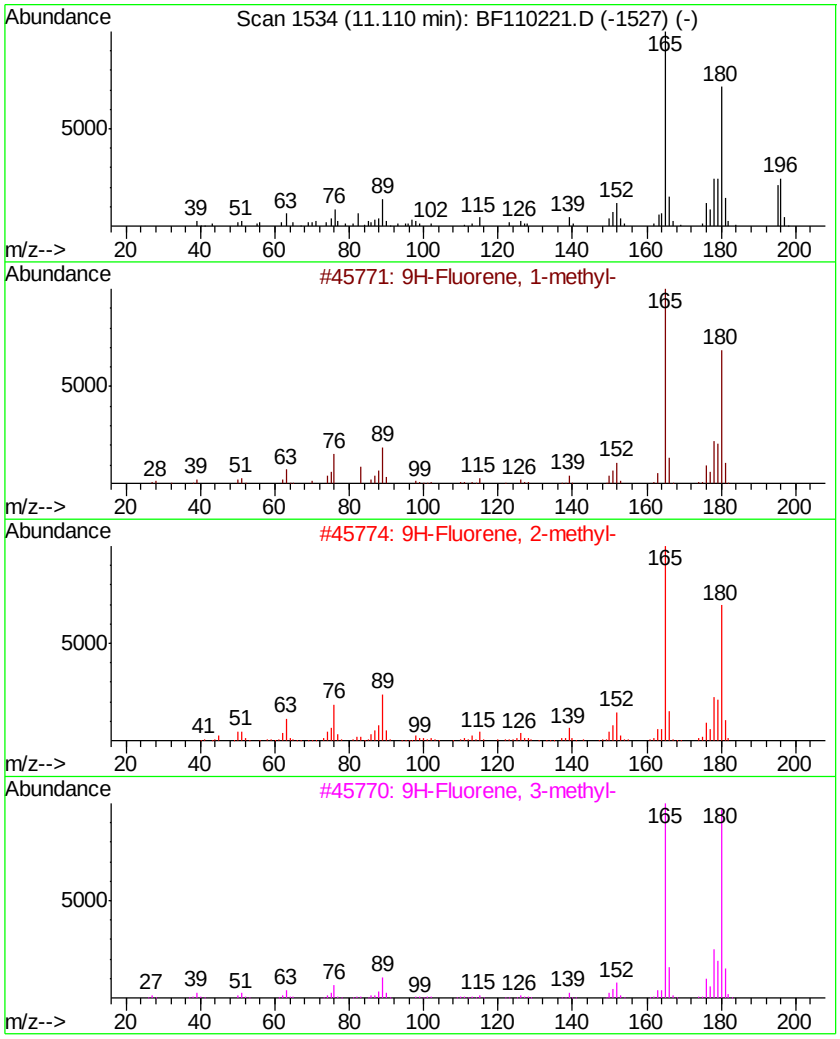
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

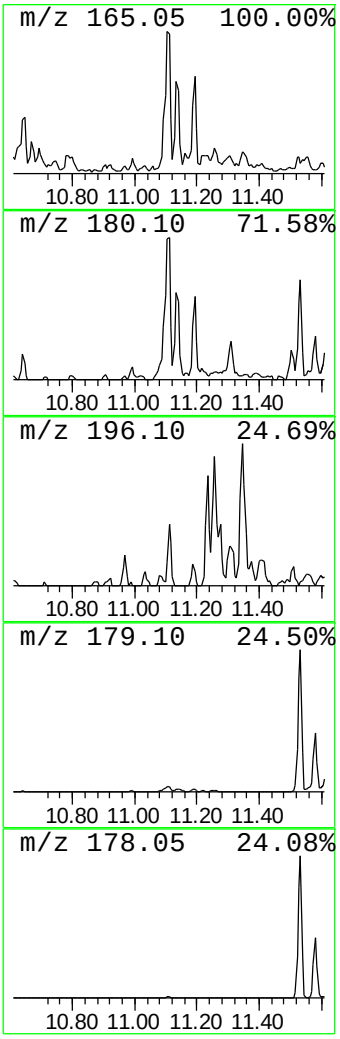
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	3.69 ng	157821	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
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Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

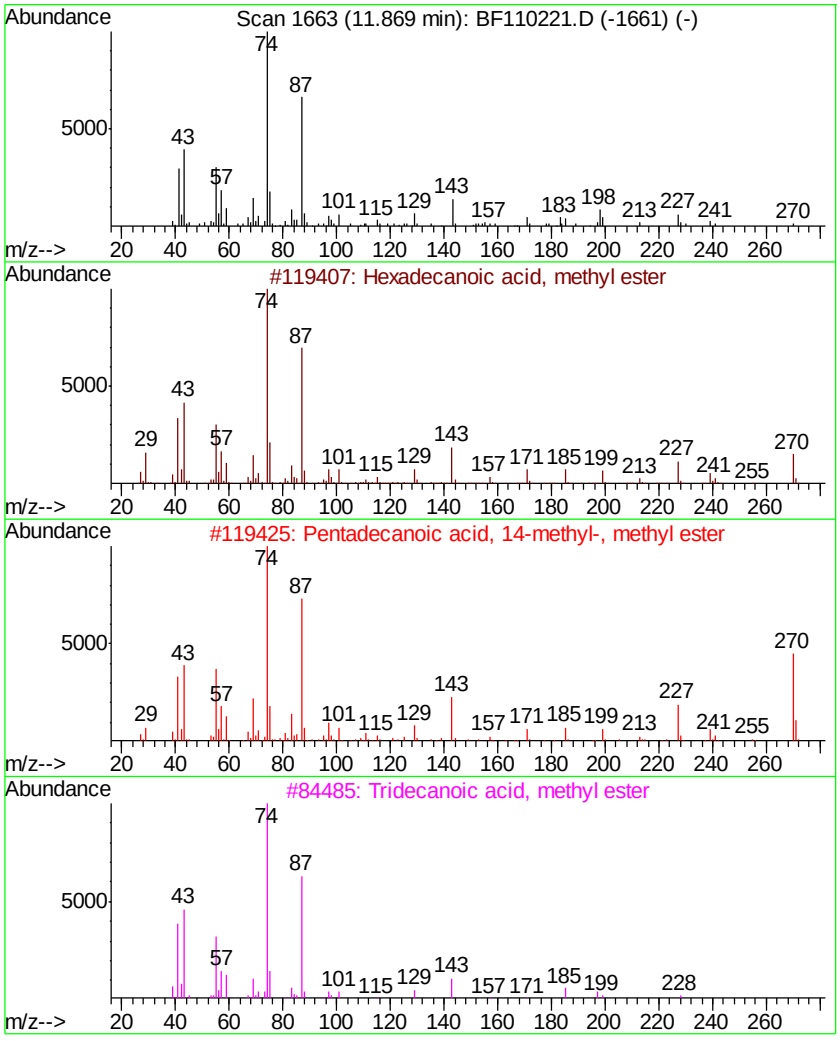
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

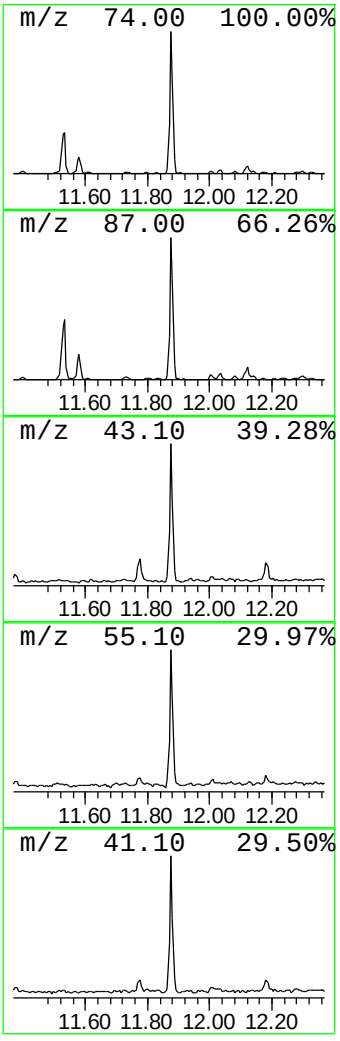
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	7.59 ng	325013	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

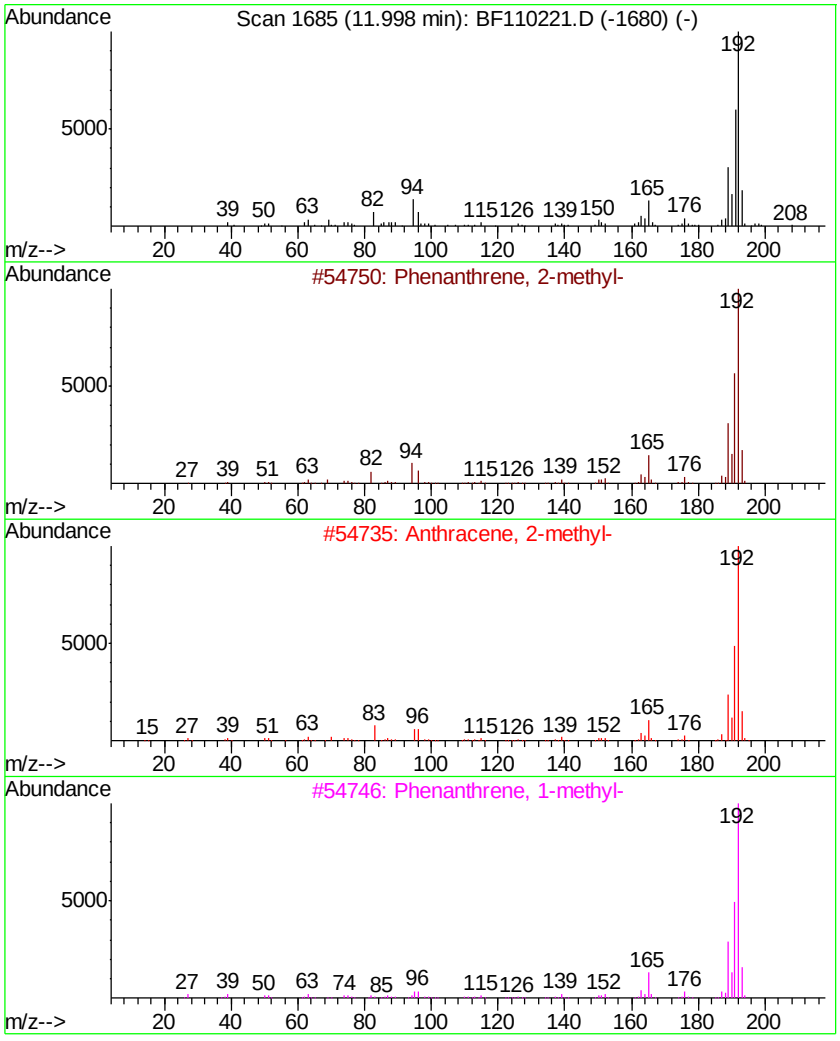
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

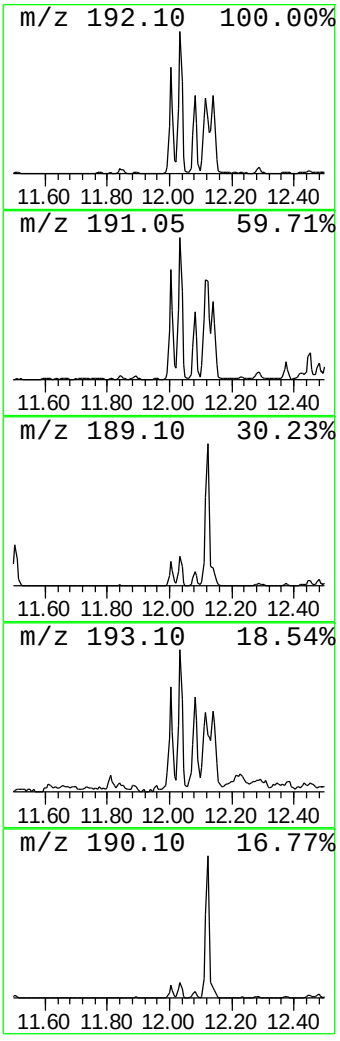
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.93 ng	339426	Phenanthrene-d10	11.50

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	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

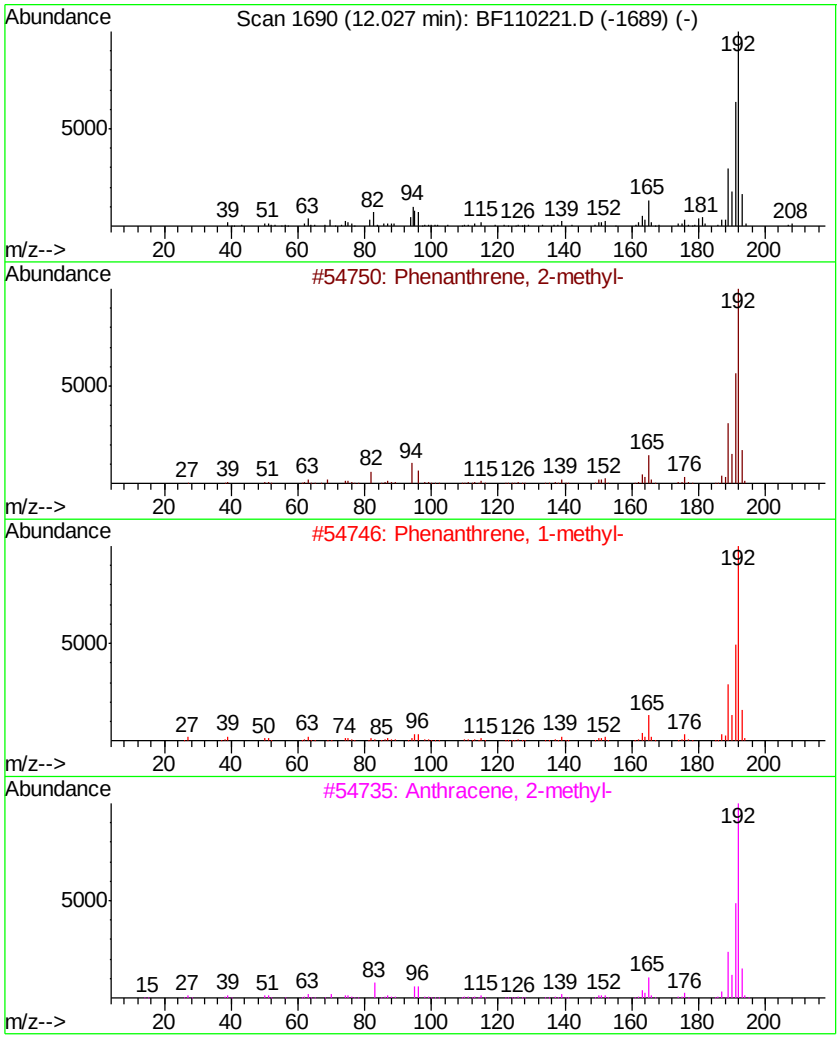
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

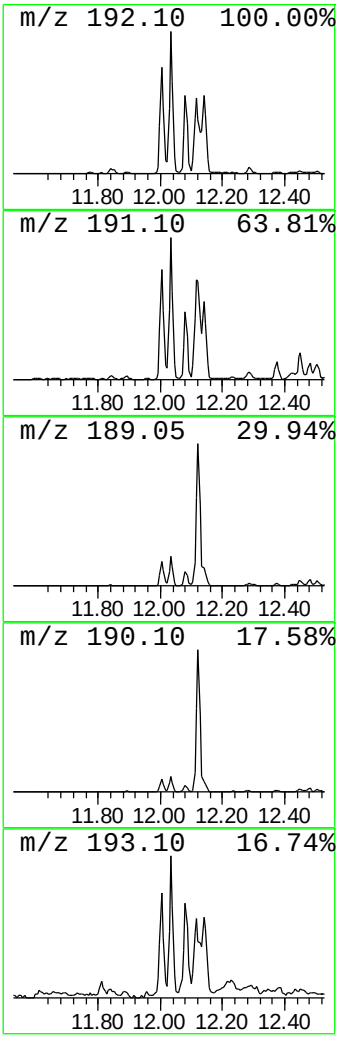
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	8.84 ng	378525	Phenanthrene-d10	11.50

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Library Search Compound Report

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Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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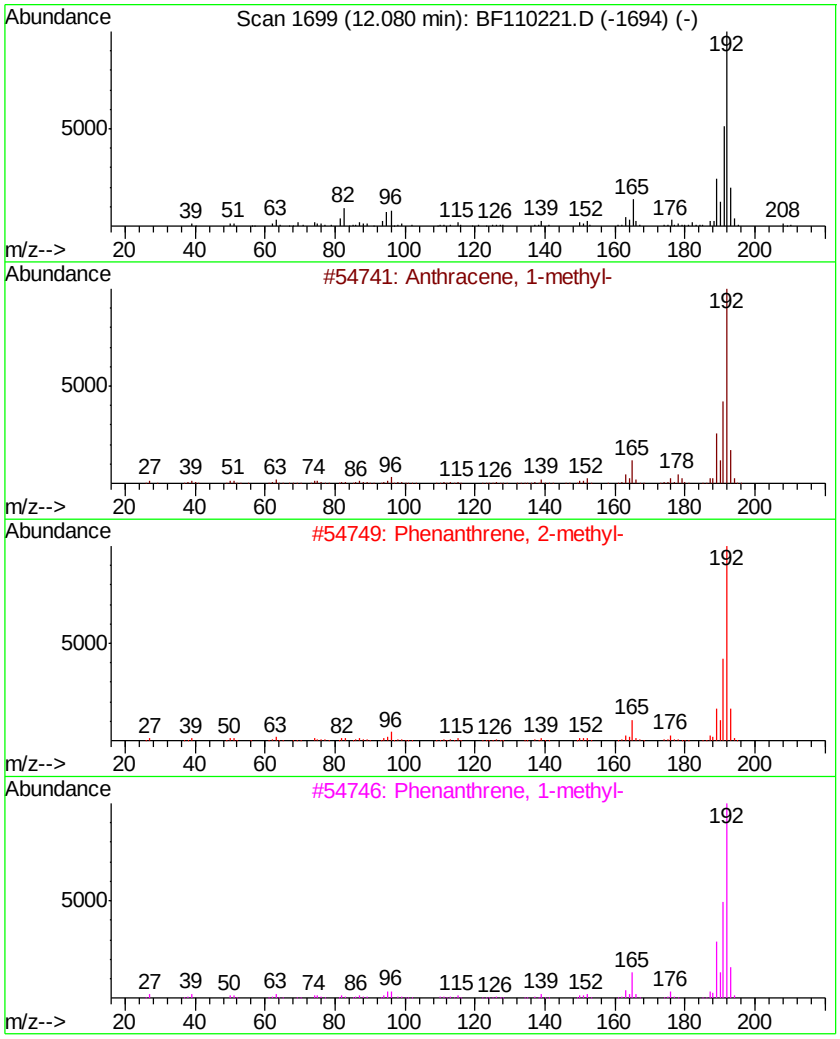
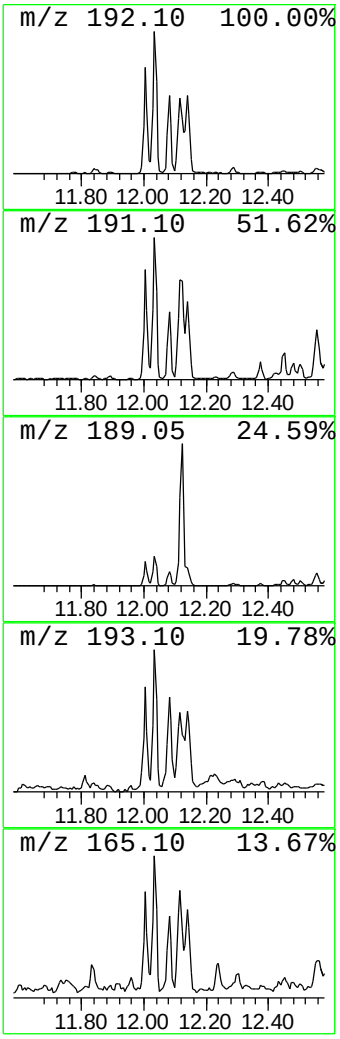
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	5.33 ng	228067	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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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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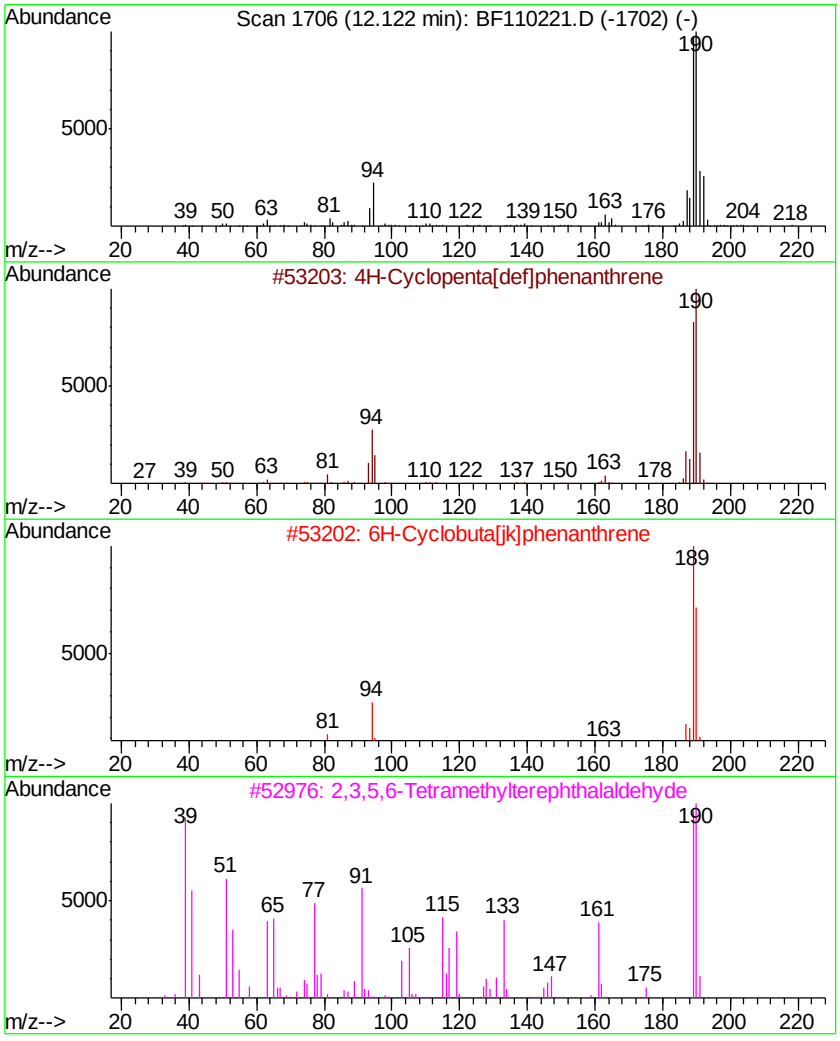
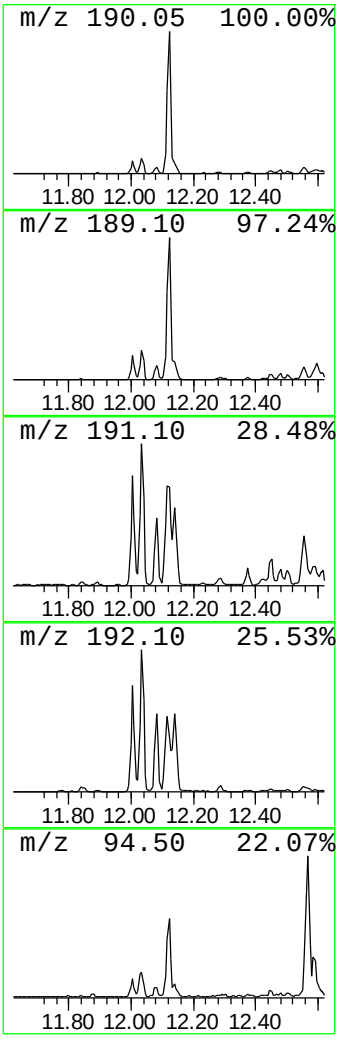
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	18.91 ng	809462	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





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Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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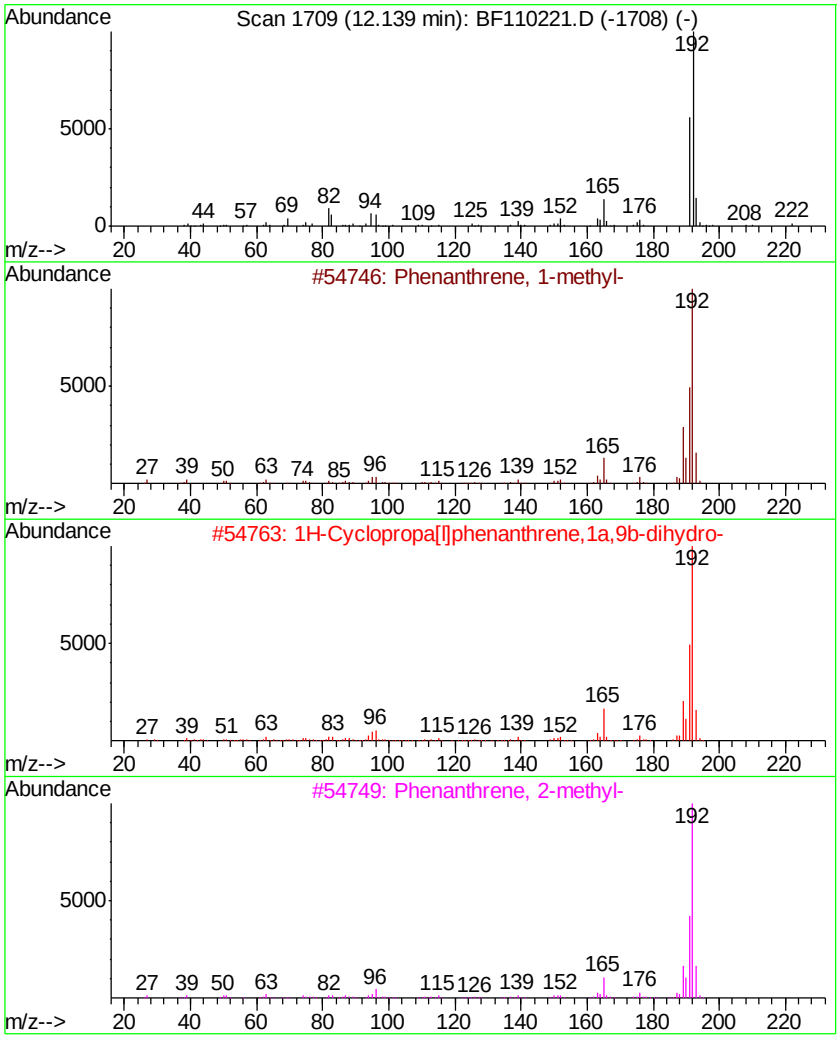
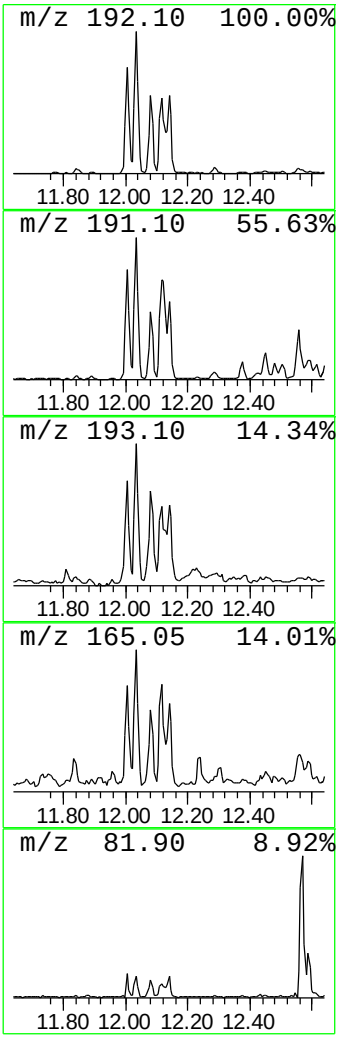
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.16 ng	177926	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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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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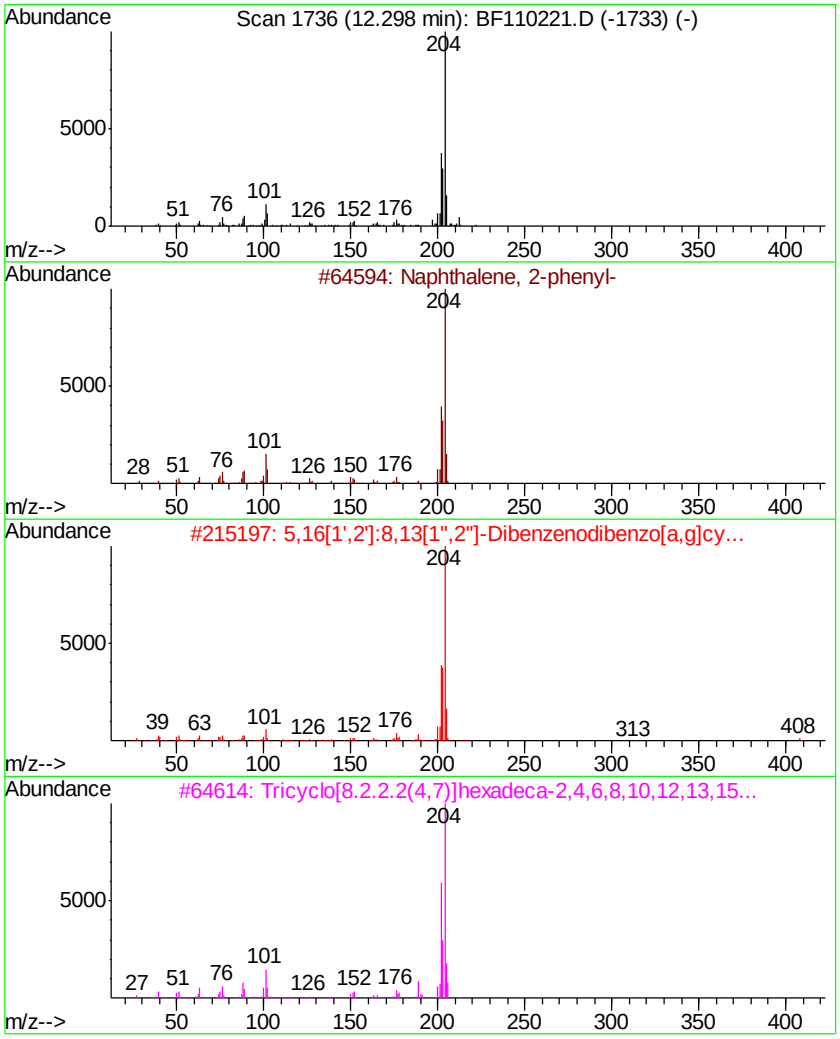
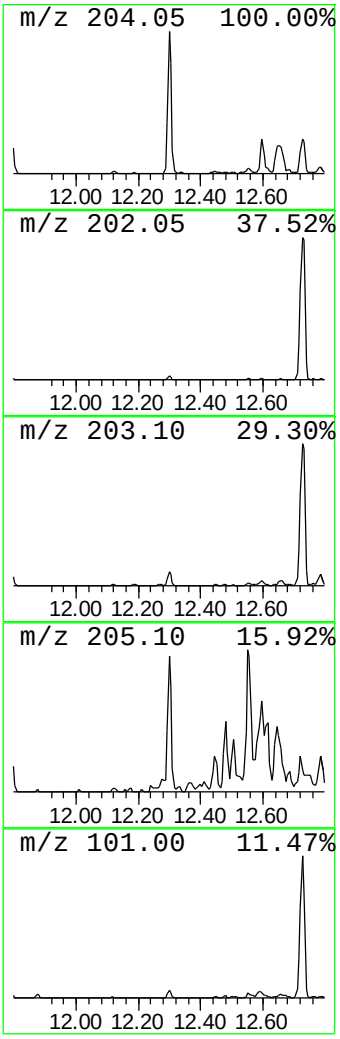
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.95 ng	254825	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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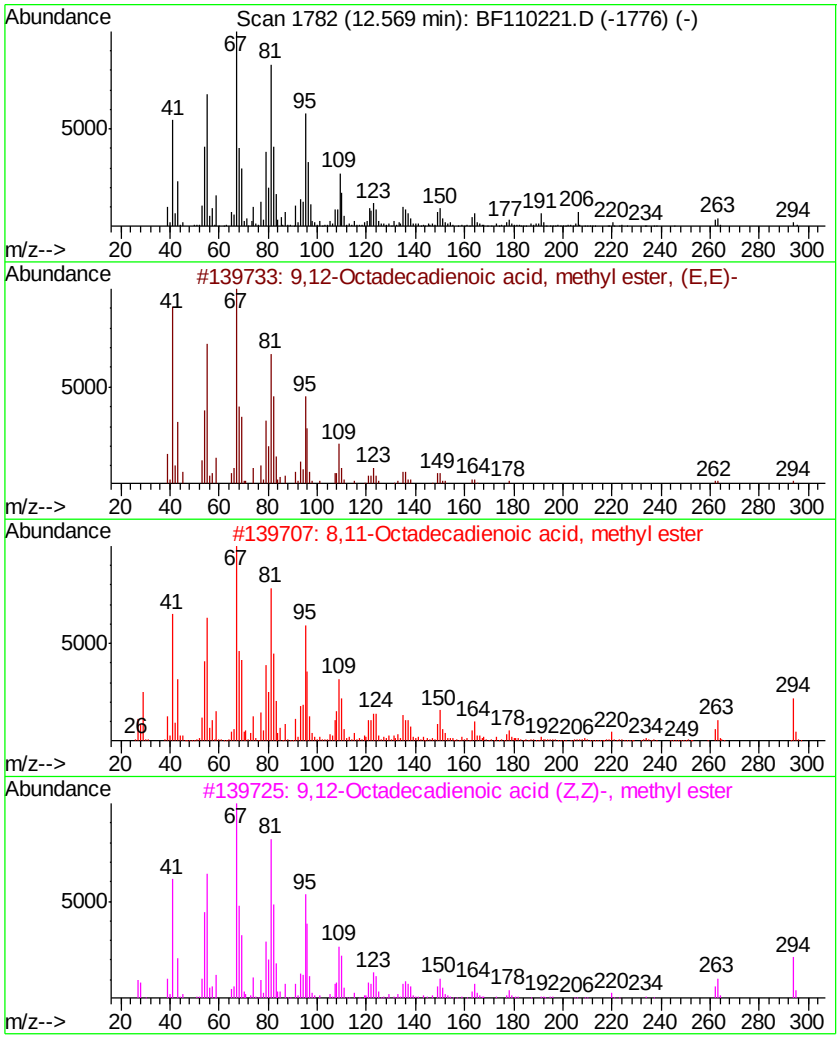
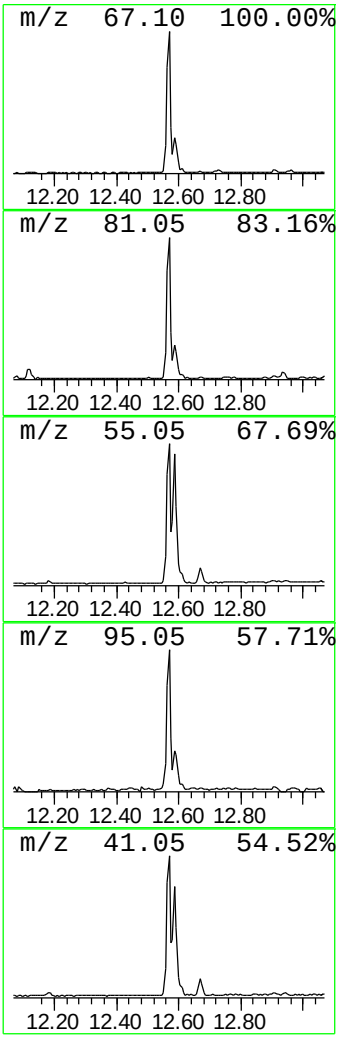
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	38.58 ng	1651850	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99





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ClientSampleId : SU-02-102518-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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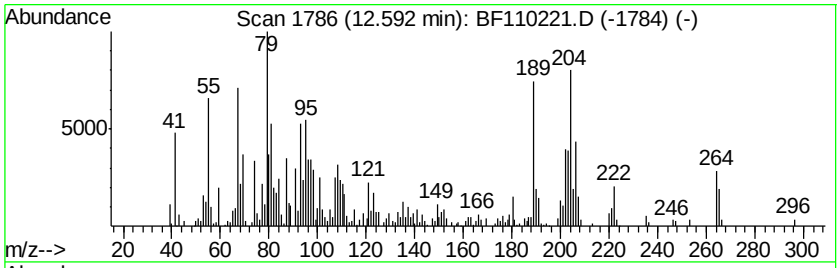
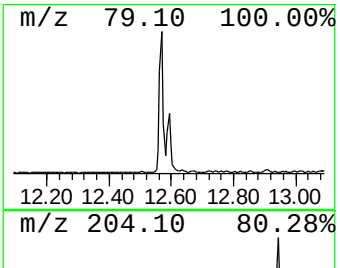
Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	22.28 ng	954066	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
3	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	99





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Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

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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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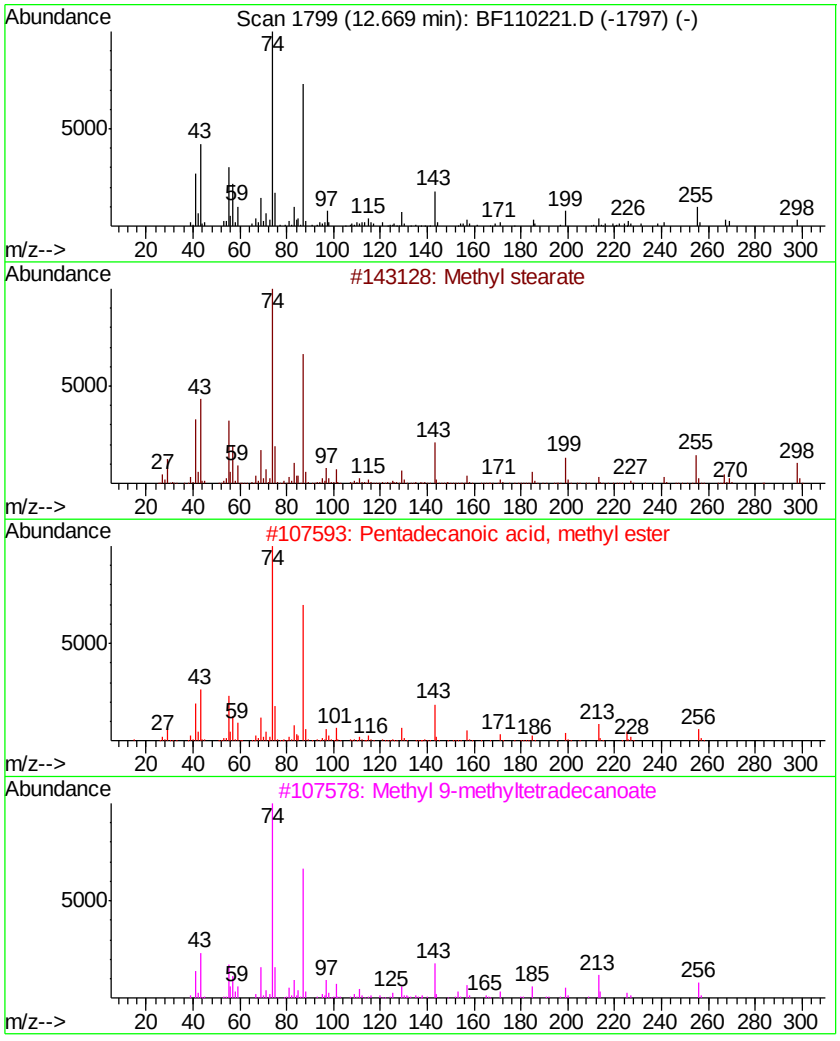
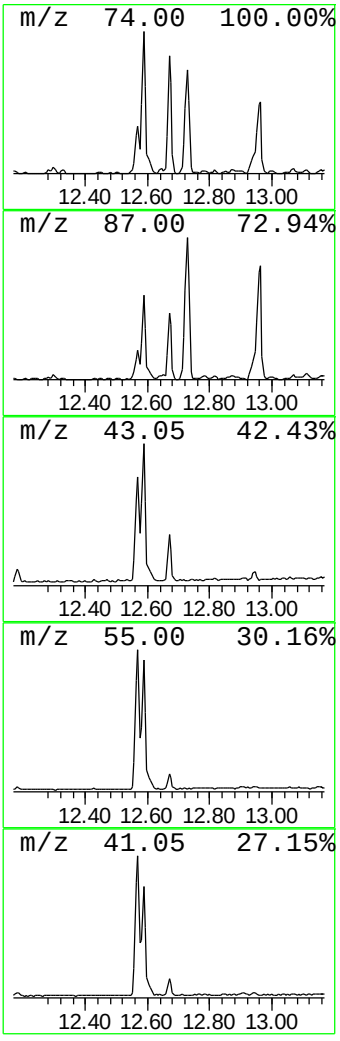
Peak Number 13 Methyl stearate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	4.72 ng	202227	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	90
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87
3	Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	83
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	80
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72





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Misc :
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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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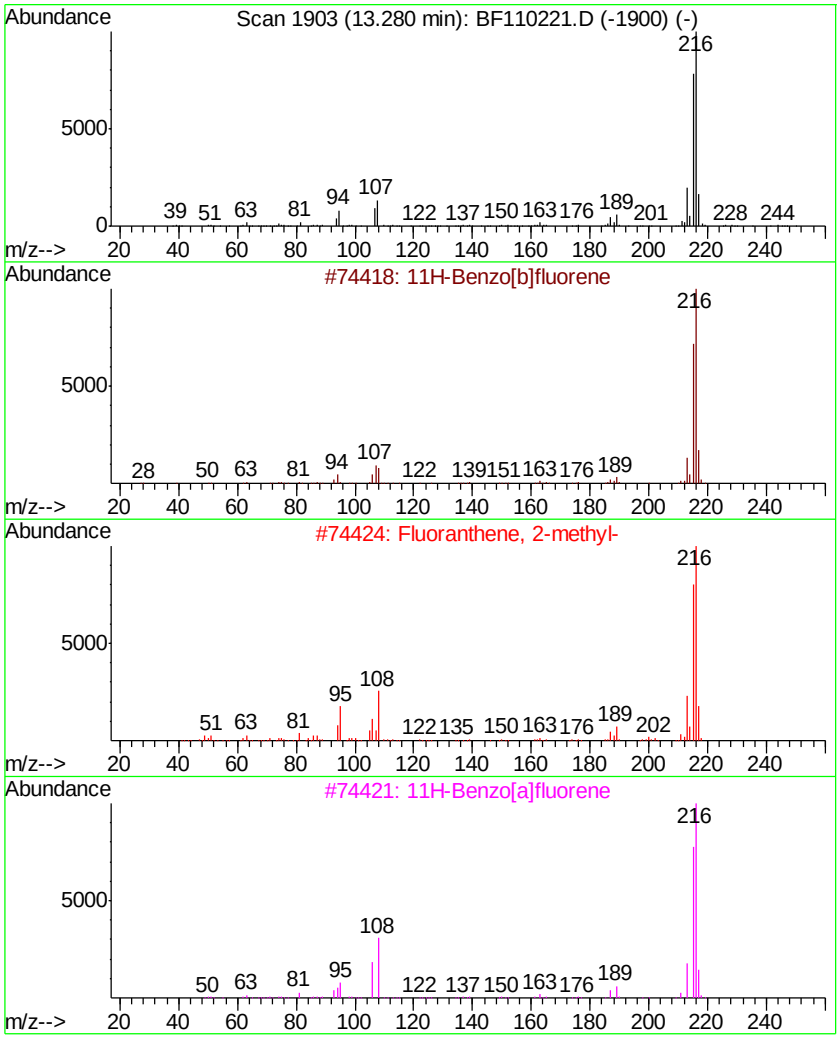
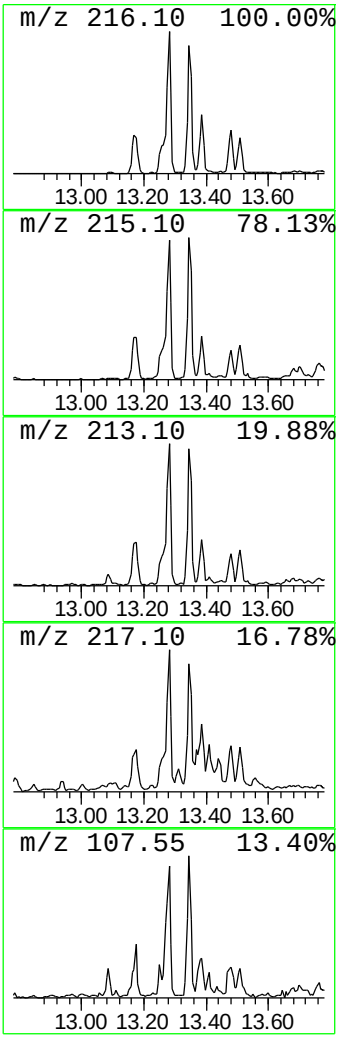
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	4.44 ng	612999	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	49





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Instrument : BNA_F
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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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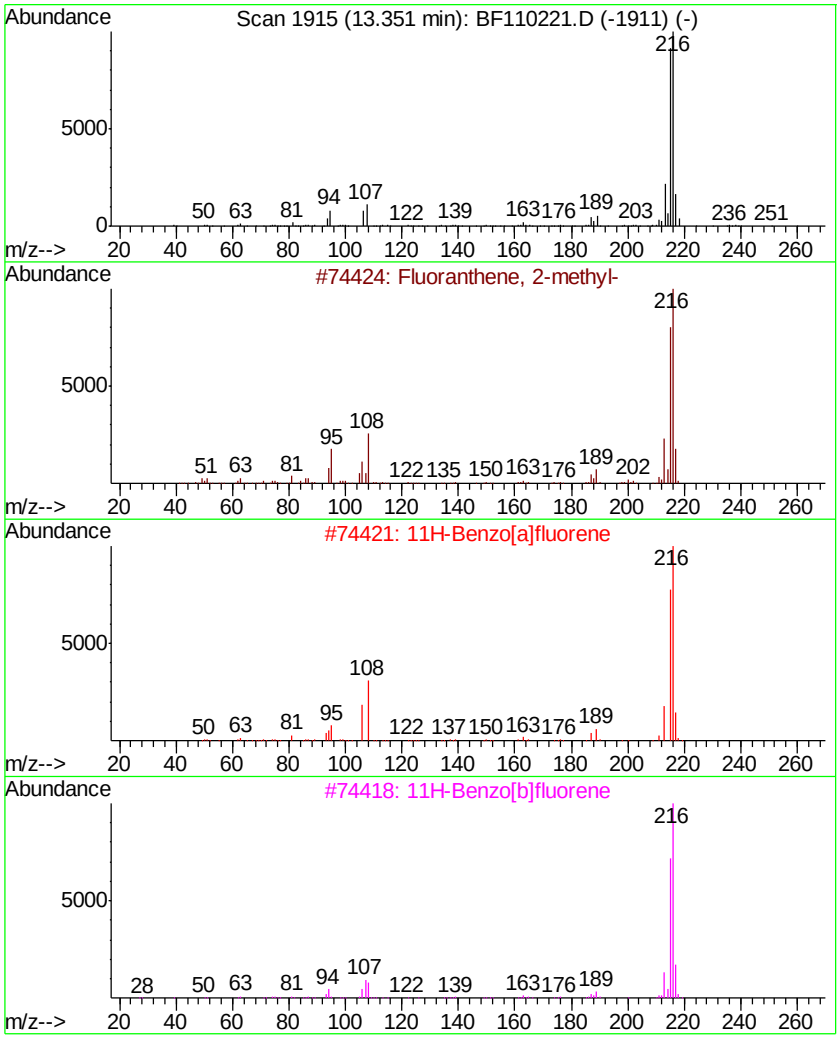
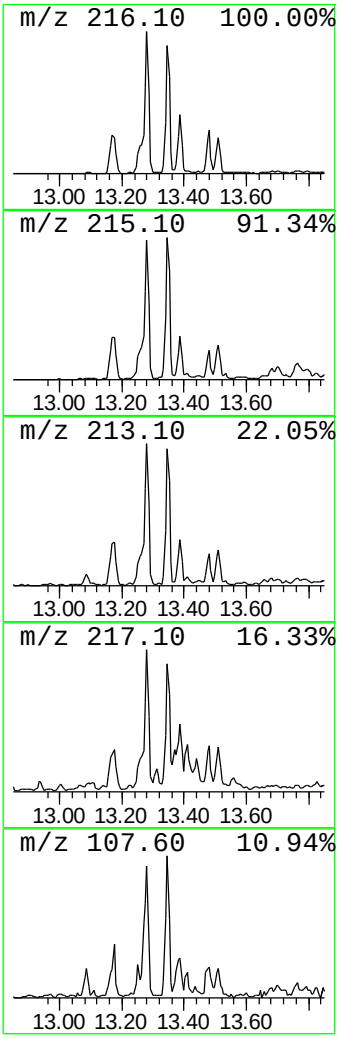
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	4.18 ng	577434	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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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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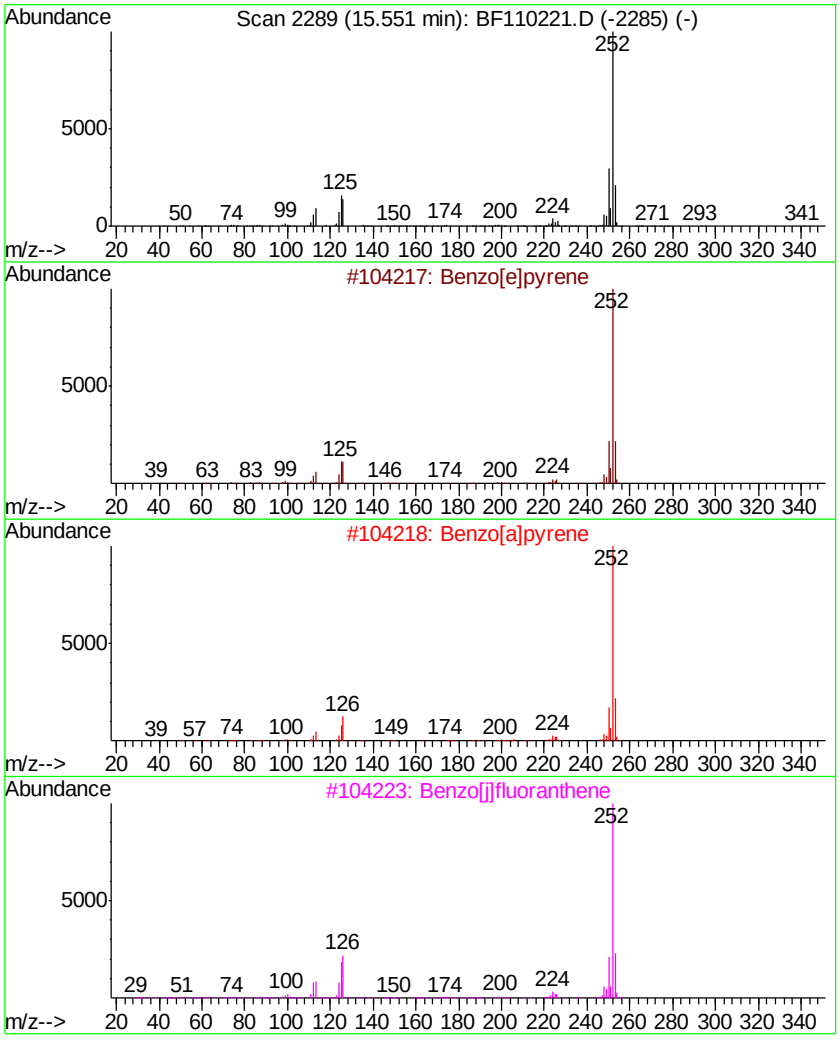
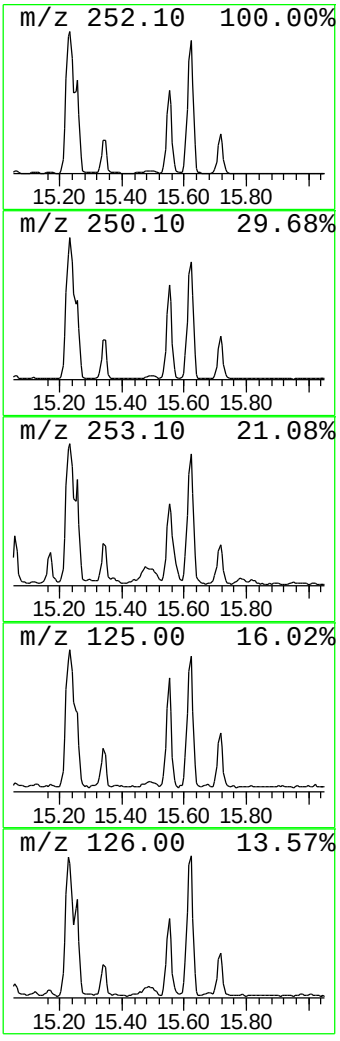
Peak Number 17 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	24.74 ng	674731	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





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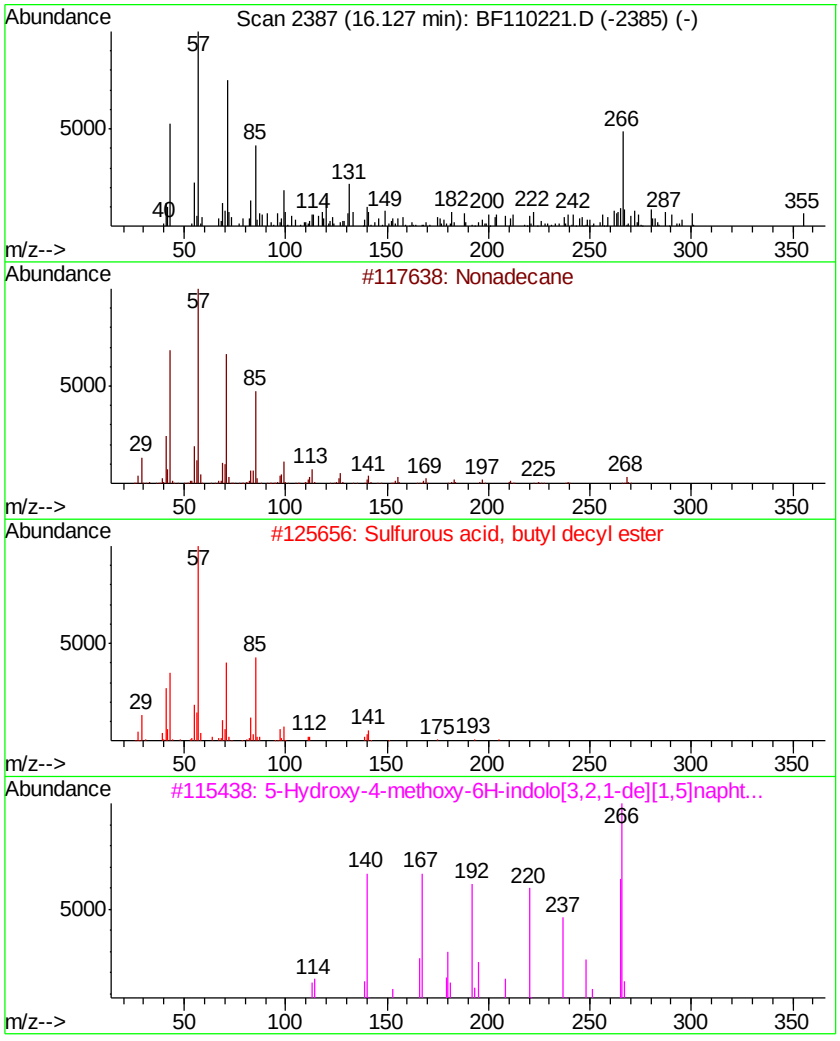
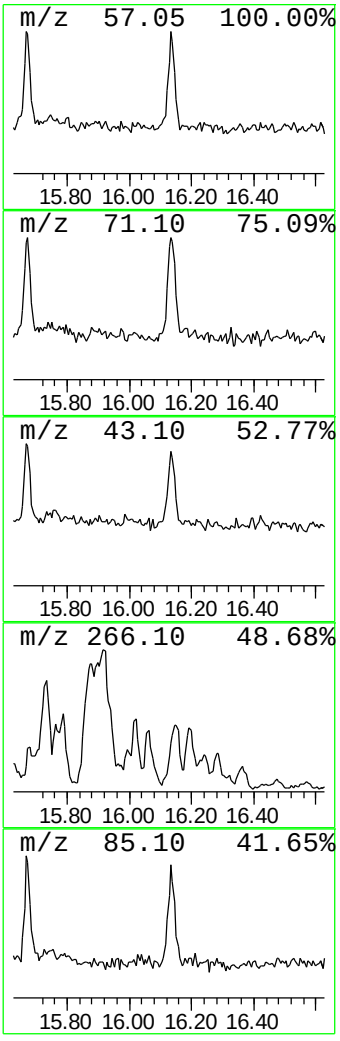
Peak Number 18 Nonadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.38 ng	119395	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	53
2	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	38
3	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	38
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	38
5	Pentadecane	212	C15H32	000629-62-9	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

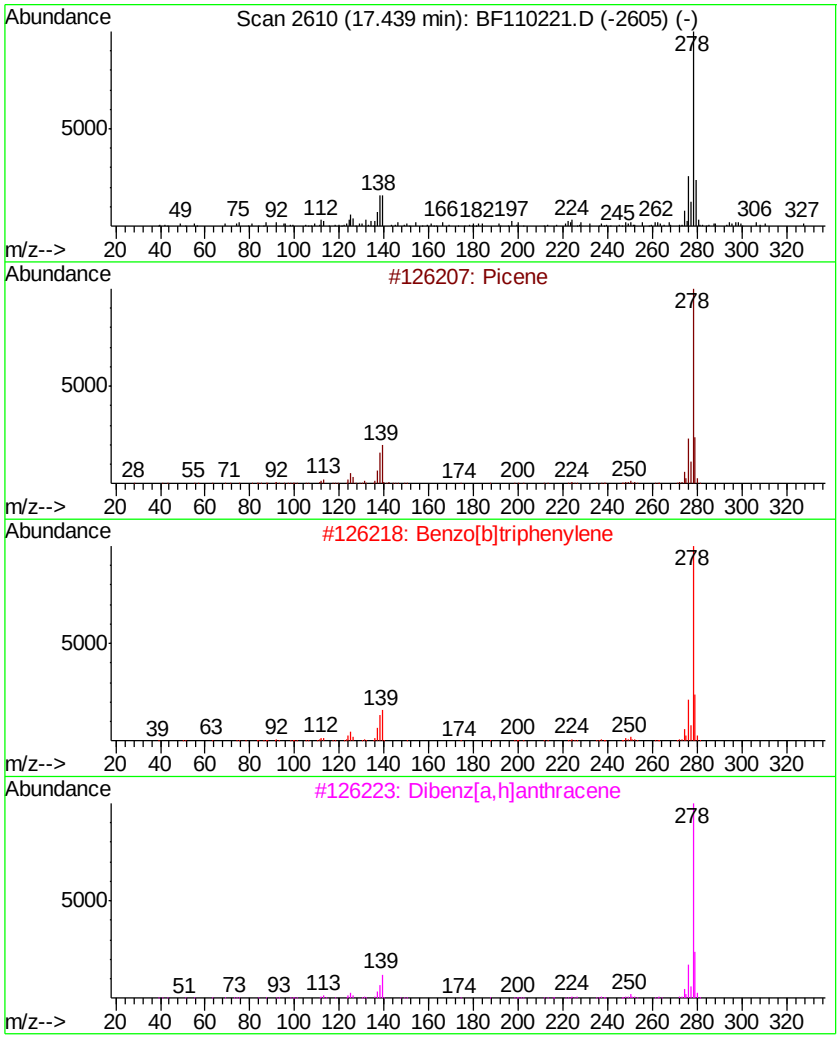
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

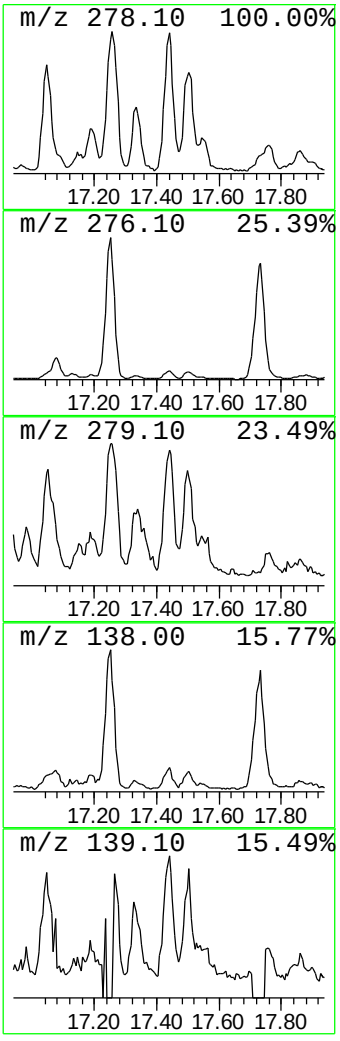
****

Peak Number 19 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	4.71 ng	128545	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Pentacene	278	C22H14	000135-48-8	93
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	92





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110221.D
Acq On : 26 Oct 2018 20:31
Operator : JU/SJ
Sample : J5204-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
unknown6.73	6.73	19.8	ng	801249	1	6.97	808463	20.0
9H-Fluorene, 1-me...	11.11	3.7	ng	157821	4	11.50	856288	20.0
Hexadecanoic acid...	11.87	7.6	ng	325013	4	11.50	856288	20.0
Phenanthrene, 2-m...	12.00	7.9	ng	339426	4	11.50	856288	20.0
Anthracene, 2-met...	12.03	8.8	ng	378525	4	11.50	856288	20.0
Anthracene, 1-met...	12.08	5.3	ng	228067	4	11.50	856288	20.0
4H-Cyclopenta[def...	12.12	18.9	ng	809462	4	11.50	856288	20.0
Phenanthrene, 1-m...	12.14	4.2	ng	177926	4	11.50	856288	20.0
Naphthalene, 2-ph...	12.30	6.0	ng	254825	4	11.50	856288	20.0
9,12-Octadecadien...	12.57	38.6	ng	1651850	4	11.50	856288	20.0
9-Octadecenoic ac...	12.59	22.3	ng	954066	4	11.50	856288	20.0
Methyl stearate	12.67	4.7	ng	202227	4	11.50	856288	20.0
11H-Benzo[b]fluorene	13.28	4.4	ng	612999	5	14.16	2763890	20.0
Fluoranthene, 2-m...	13.35	4.2	ng	577434	5	14.16	2763890	20.0
Benzo[e]pyrene	15.55	24.7	ng	674731	6	15.69	545475	20.0
Nonadecane	16.13	4.4	ng	119395	6	15.69	545475	20.0
Picene	17.44	4.7	ng	128545	6	15.69	545475	20.0