LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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	5.504	576	581	584	rBV	1030436	962546	43.61%	2.584%
2	6.504	747	751	754	rBV	1227250	973678	44.11%	2.614%
3	6.657	773	777	780	rBV	1280231	1031021	46.71%	2.768%
4	6.893	813	817	821	rBV	1382070	1099223	49.80%	2.951%
5	7.051	840	844	847	rBV	908114	783178	35.48%	2.103%
6	7.445	904	911	914	rBV	721653	597985	27.09%	1.605%
7	8.175	1030	1035	1037	rBV	1764552	1462969	66.28%	3.928%
8	8.192	1037	1038	1042	rVV	319692	226399	10.26%	0.608%
9	8.475	1080	1086	1088	rBV4	22717	29223	1.32%	0.078%
10	8.769	1133	1136	1139	rBV2	41846	42038	1.90%	0.113%
11	8.886	1151	1156	1159	rVB	287089	228511	10.35%	0.613%
12	8.986	1168	1173	1177	rBV	275601	248088	11.24%	0.666%
13	9.245	1213	1217	1220	rVB	1422134	1099483	49.81%	2.952%
14	9.345	1228	1234	1236	rBV2	95438	128261	5.81%	0.344%
15	9.445	1249	1251	1257	rVB	54184	57471	2.60%	0.154%
16	9.510	1258	1262	1266	rVV	126316	171954	7.79%	0.462%
17	9.586	1270	1275	1277	rVV	208966	208659	9.45%	0.560%
18	9.610	1277	1279	1281	rVV	137018	113590	5.15%	0.305%
19	9.639	1281	1284	1289	rVV	142088	178427	8.08%	0.479%
20	9.704	1292	1295	1301	rVB	92553	109791	4.97%	0.295%
21	9.786	1306	1309	1311	rBV	111465	86629	3.92%	0.233%
22	9.863	1320	1322	1327	rVB	55289	45512	2.06%	0.122%
23	9.928	1327	1333	1336	rBV	1774013	1547706	70.12%	4.155%
24	9.957	1336	1338	1341	rVV	404113	325049	14.73%	0.873%
25	10.033	1348	1351	1355	rVB2	42306	51031	2.31%	0.137%
26	10.086	1355	1360	1361	rBV3	22186	30791	1.40%	0.083%
27	10.128	1364	1367	1371	rVB	274376	226885	10.28%	0.609%
28	10.169	1371	1374	1376	rBV	71446	58959	2.67%	0.158%
29	10.245	1381	1387	1389	rBV3	56620	66690	3.02%	0.179%
30	10.269	1389	1391	1395	rVB	52862	47095	2.13%	0.126%
31	10.333	1398	1402	1404	rVV3	31808	43111	1.95%	0.116%
32	10.363	1404	1407	1411	rVB3	58465	65016	2.95%	0.175%
33	10.469	1422	1425	1432	rVV	472569	428568	19.42%	1.151%
34	10.539	1432	1437	1439	rVV2	46564	57812	2.62%	0.155%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.557	1439	1440	1443	rVV2	52024	42168	1.91%	0.113%
36	10.586	1443	1445	1447	rVV	55868	45768	2.07%	0.123%
37	10.628	1450	1452	1457	rVB	64849	62532	2.83%	0.168%
38	10.704	1461	1465	1471	rBV2	687819	654530	29.65%	1.757%
39	10.833	1484	1487	1495	rVB3	86573	116298	5.27%	0.312%
40	11.016	1514	1518	1521	rBV2	83312	101619	4.60%	0.273%
41	11.045	1521	1523	1530	rVV2	63253	67385	3.05%	0.181%
42	11.104	1530	1533	1535	rVB	53824	49429	2.24%	0.133%
43	11.169	1539	1544	1547	rVV4	31659	53606	2.43%	0.144%
44	11.286	1561	1564	1565	rVV2	63513	63092	2.86%	0.169%
45	11.304	1565	1567	1573	rVB	228499	209083	9.47%	0.561%
46	11.410	1581	1585	1587	rBV	1599887	1470797	66.64%	3.949%
47	11.433	1587	1589	1592	rVV	2314974	1734716	78.59%	4.657%
48	11.463	1592	1594	1595	rVV	55429	48778	2.21%	0.131%
49	11.480	1595	1597	1600	rVV	586995	480721	21.78%	1.291%
50	11.516	1600	1603	1607	rVV2	48125	53286	2.41%	0.143%
51	11.627	1618	1622	1626	rBV	146781	141566	6.41%	0.380%
52	11.710	1632	1636	1638	rBV	81034	81335	3.68%	0.218%
53	11.739	1638	1641	1644	rVB	92155	92354	4.18%	0.248%
54	11.804	1649	1652	1659	rVB	818798	697420	31.60%	1.872%
55	11.910	1666	1670	1672	rVV	259968	226728	10.27%	0.609%
56	11.933	1672	1674	1678	rVV2	437557	394329	17.87%	1.059%
57	11.980	1679	1682	1685	rVV	90412	91575	4.15%	0.246%
58	12.022	1685	1689	1691	rVV2	441220	434541	19.69%	1.167%
59	12.045	1691	1693	1697	rVB	146936	121047	5.48%	0.325%
60	12.116	1700	1705	1708	rBV4	45035	62042	2.81%	0.167%
61	12.204	1717	1720	1727	rVB2	165032	190988	8.65%	0.513%
62	12.333	1740	1742	1744	rBV	32730	36570	1.66%	0.098%
63	12.351	1744	1745	1748	rVB2	45726	32364	1.47%	0.087%
64	12.386	1748	1751	1752	rBV	57995	52776	2.39%	0.142%
65	12.404	1752	1754	1757	rVB2	60271	51856	2.35%	0.139%
66	12.457	1760	1763	1766	rBV	157925	172076	7.80%	0.462%
67	12.492	1766	1769	1771	rBV	2063964	1889751	85.62%	5.073%
68	12.510	1771	1772	1775	rVB	2015764	1556329	70.51%	4.178%
69	12.598	1783	1787	1788	rBV	262841	236116	10.70%	0.634%
70	12.622	1788	1791	1793	rVB	1472889	1366344	61.90%	3.668%
71	12.716	1804	1807	1814	rBV3	207848	246991	11.19%	0.663%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.769	1814	1816	1820	rVB	86477	74906	3.39%	0.201%
73	12.845	1823	1829	1832	rBV	1540608	1647061	74.62%	4.422%
74	12.898	1836	1838	1843	rVB3	57674	81776	3.70%	0.220%
75	12.963	1846	1849	1850	rBV	69372	54934	2.49%	0.147%
76	12.986	1850	1853	1860	rVB	1169876	1046426	47.41%	2.809%
77	13.063	1862	1866	1869	rBV3	93269	130269	5.90%	0.350%
78	13.121	1873	1876	1878	rBV2	45410	43725	1.98%	0.117%
79	13.174	1878	1885	1888	rVB	269906	348630	15.80%	0.936%
80	13.239	1892	1896	1899	rVB	277309	265837	12.04%	0.714%
81	13.274	1899	1902	1905	rBV	154906	159998	7.25%	0.430%
82	13.369	1915	1918	1921	rBV	118738	90211	4.09%	0.242%
83	13.398	1921	1923	1926	rBV	110789	101217	4.59%	0.272%
84	13.574	1950	1953	1955	rBV2	50133	48563	2.20%	0.130%
85	13.792	1987	1990	1992	rVB	98825	83697	3.79%	0.225%
86	13.821	1992	1995	1996	rBV	77098	55687	2.52%	0.150%
87	13.839	1996	1998	2002	rVB2	58347	59612	2.70%	0.160%
88	14.039	2027	2032	2035	rBV2	1749963	2207213	100.00%	5.926%
89	14.063	2035	2036	2043	rVB	557105	477621	21.64%	1.282%
90	14.145	2048	2050	2053	rVB	131172	97447	4.41%	0.262%
91	14.257	2067	2069	2071	rBV2	55106	43455	1.97%	0.117%
92	14.427	2095	2098	2101	rVB3	152614	162843	7.38%	0.437%
93	14.457	2101	2103	2106	rVB	69959	57921	2.62%	0.156%
94	14.516	2111	2113	2116	rVV2	142861	158469	7.18%	0.425%
95	14.551	2116	2119	2120	rVV	91943	97480	4.42%	0.262%
96	14.568	2120	2122	2126	rVB2	121946	119303	5.41%	0.320%
97	15.080	2205	2209	2216	rBV	417522	797511	36.13%	2.141%
98	15.386	2257	2261	2266	rVB	281331	346560	15.70%	0.930%
99	15.445	2267	2271	2276	rVB	457733	516553	23.40%	1.387%
100	15.510	2277	2282	2286	rBV	1242465	1610666	72.97%	4.324%

Sum of corrected areas: 37247846

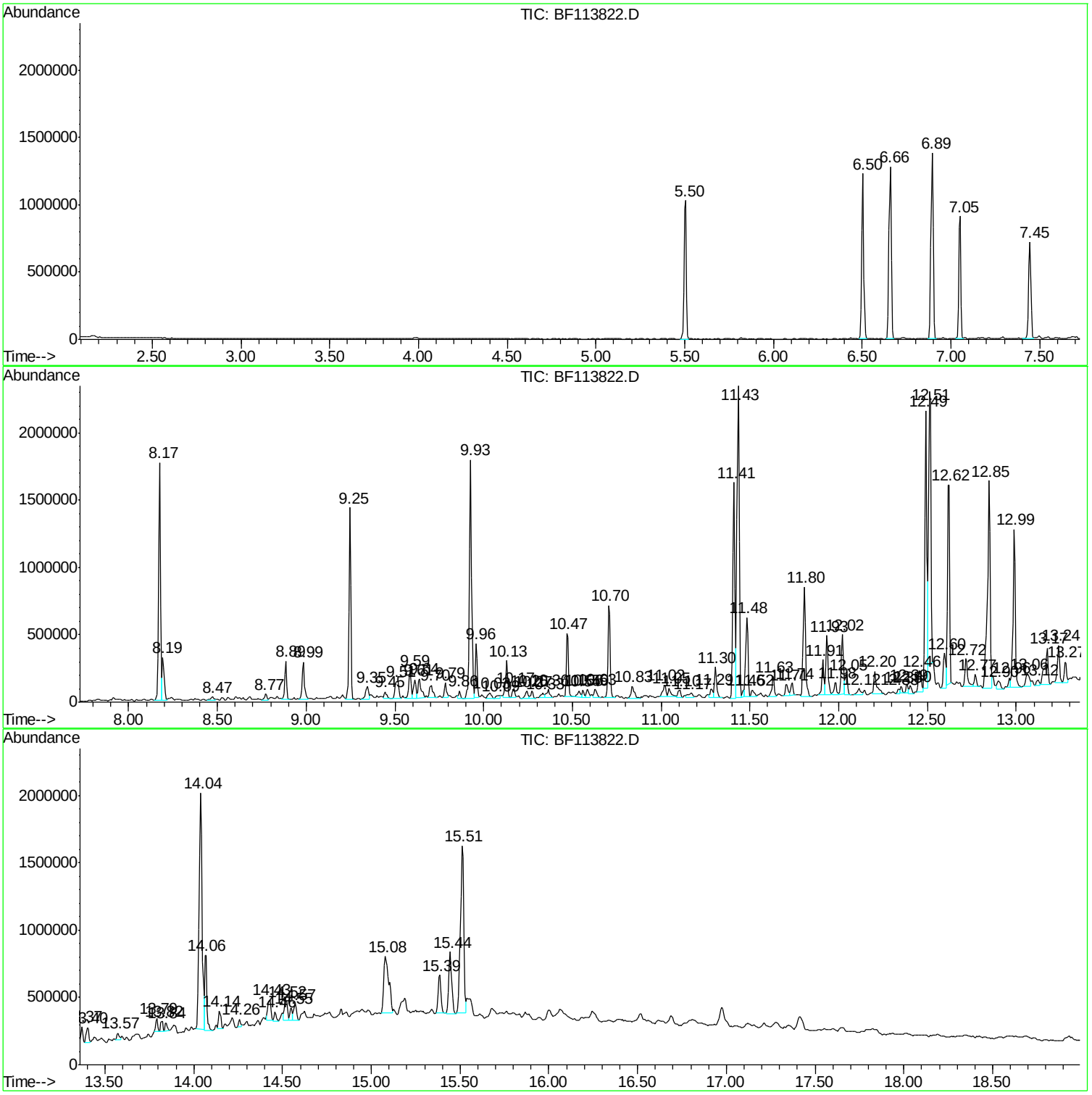
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

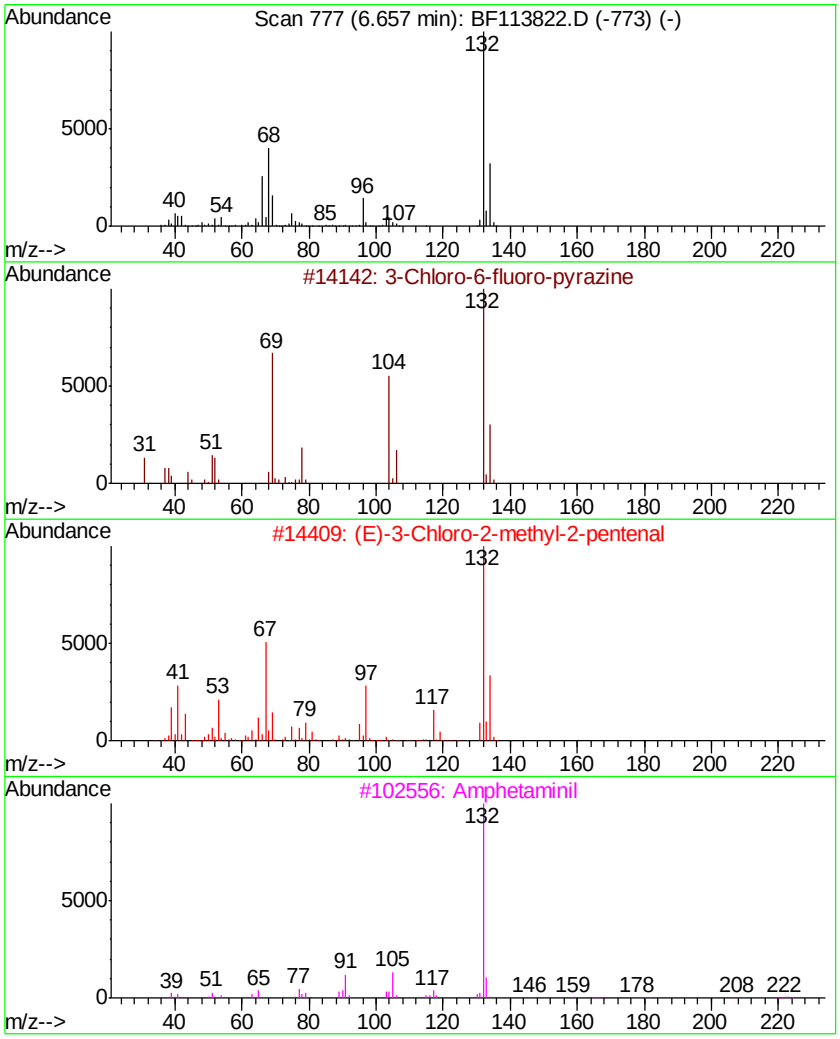
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

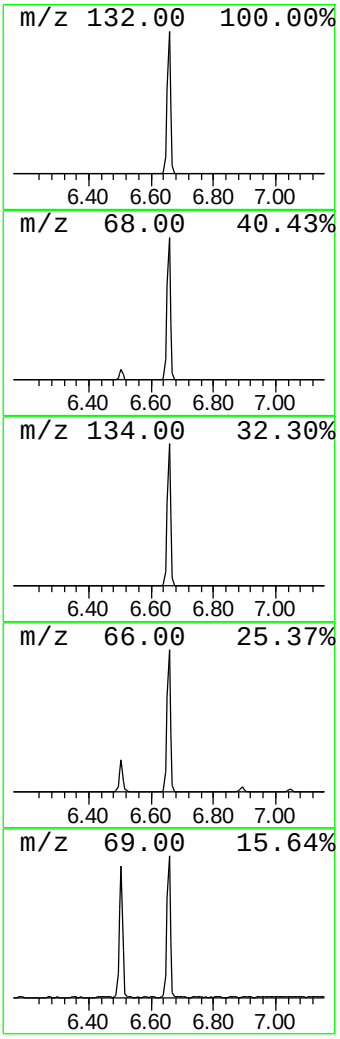
****

Peak Number 1 unknown6.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	18.76 ng	1031020	1,4-Dichlorobenzene-d4	6.89

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	17
3	Amphetaminil	250	C17H18N2	017590-01-1	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

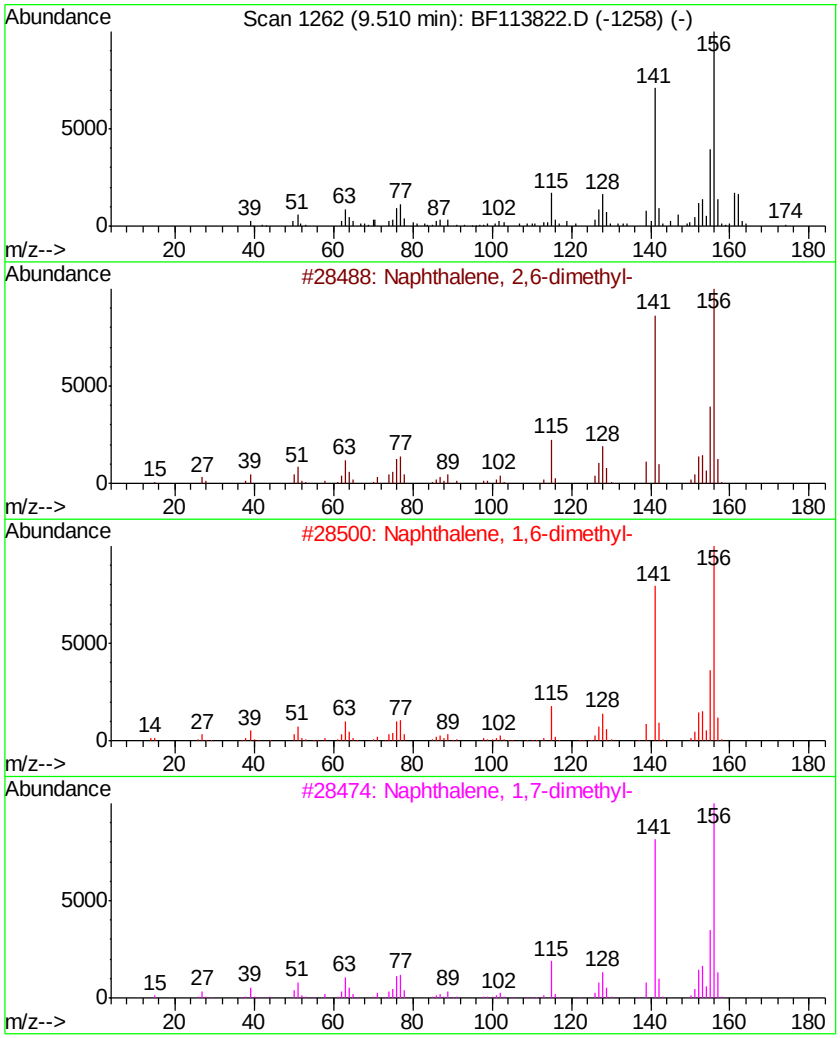
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

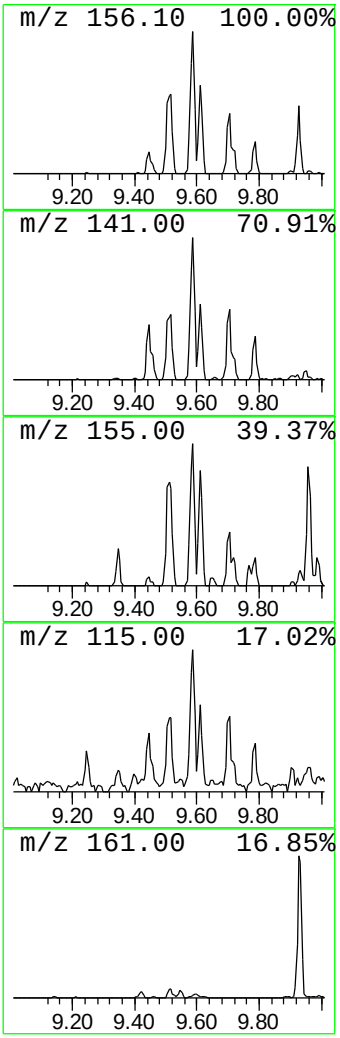
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	2.22 ng	171954	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
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Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

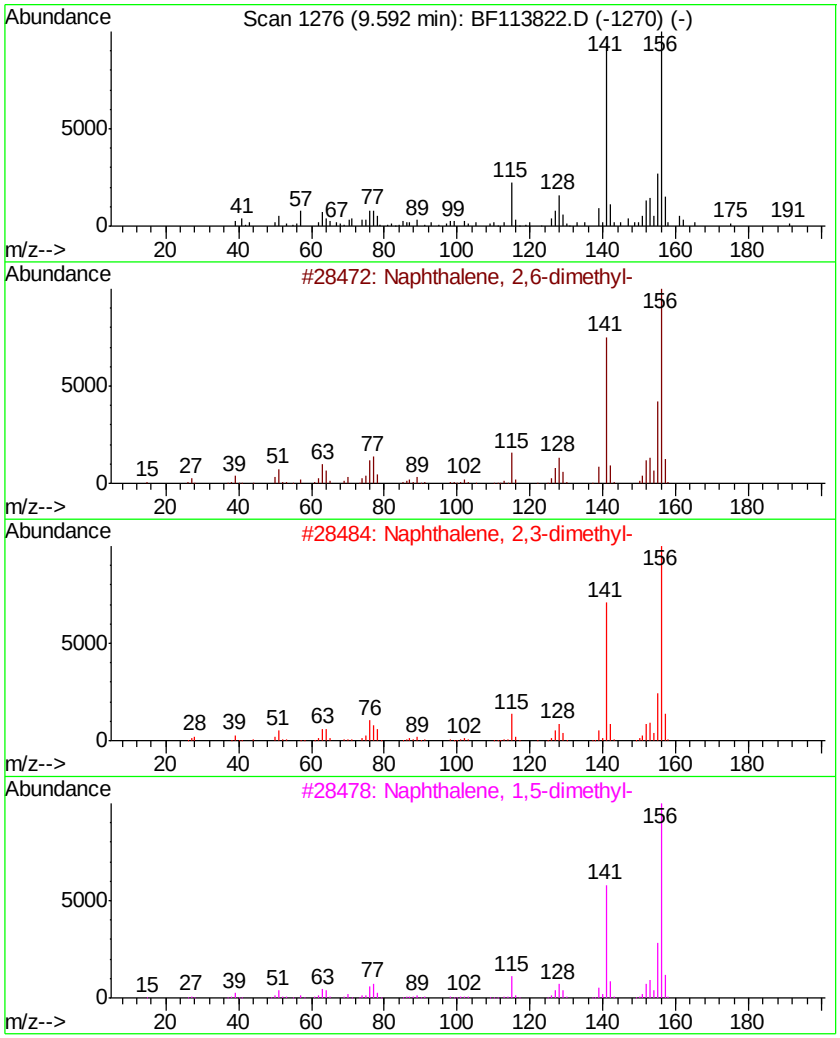
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

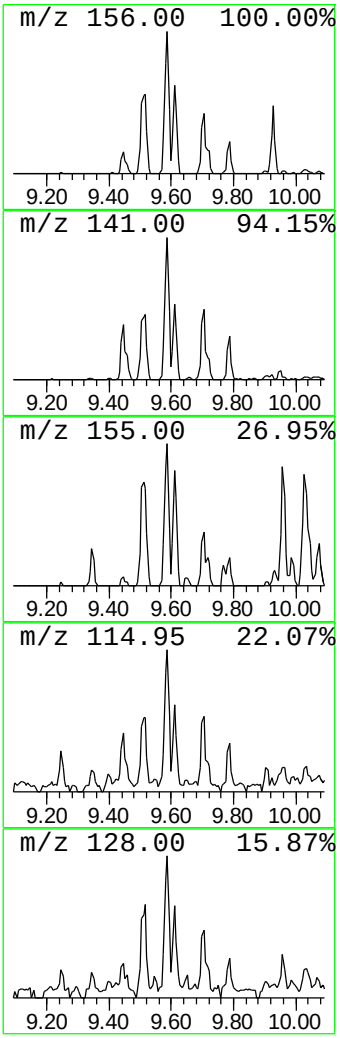
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	2.70 ng	208659	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

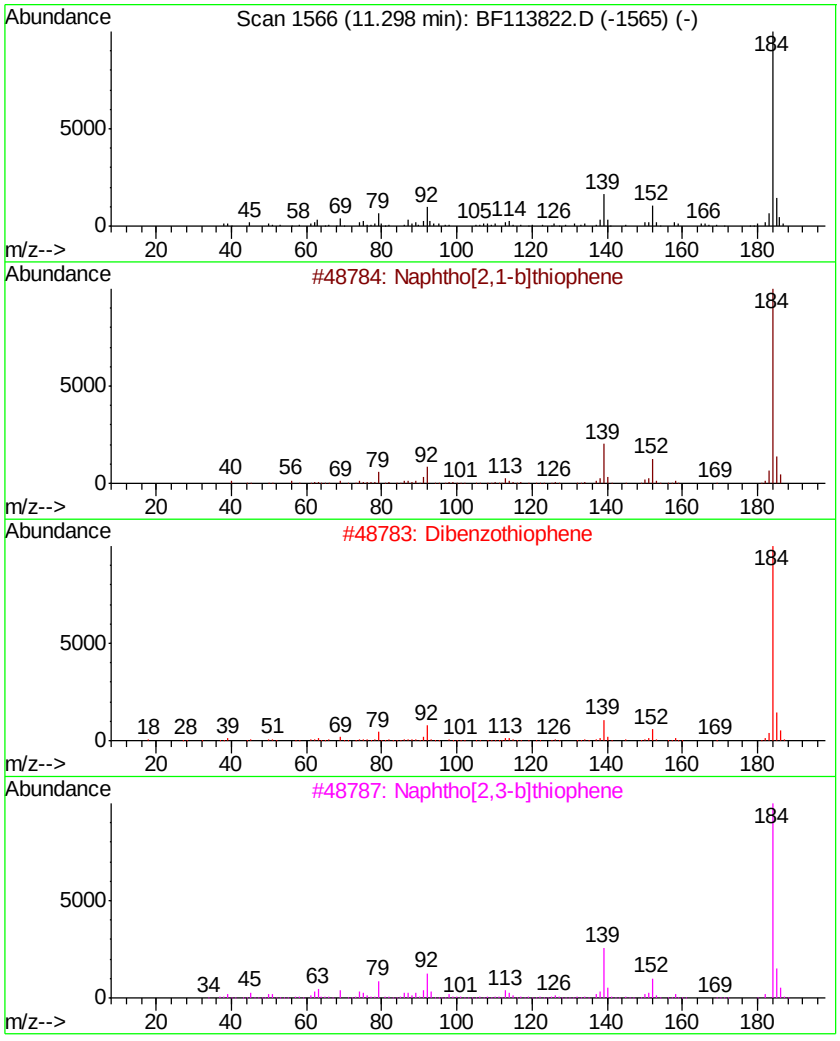
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

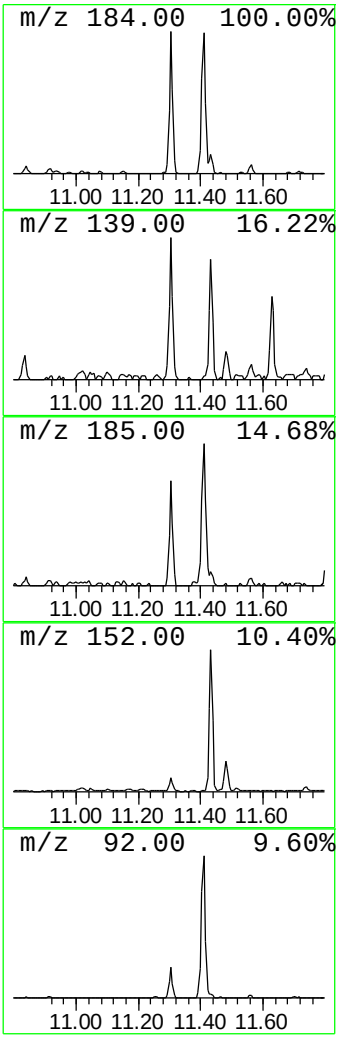
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.84 ng	209083	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

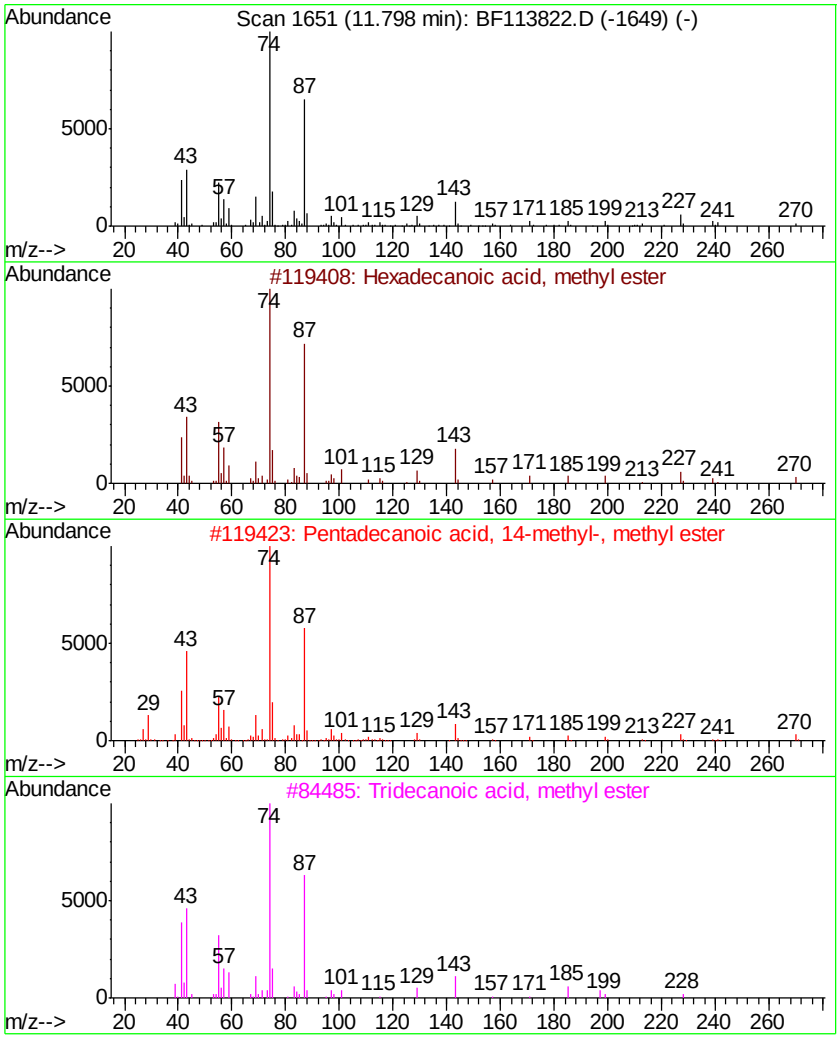
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

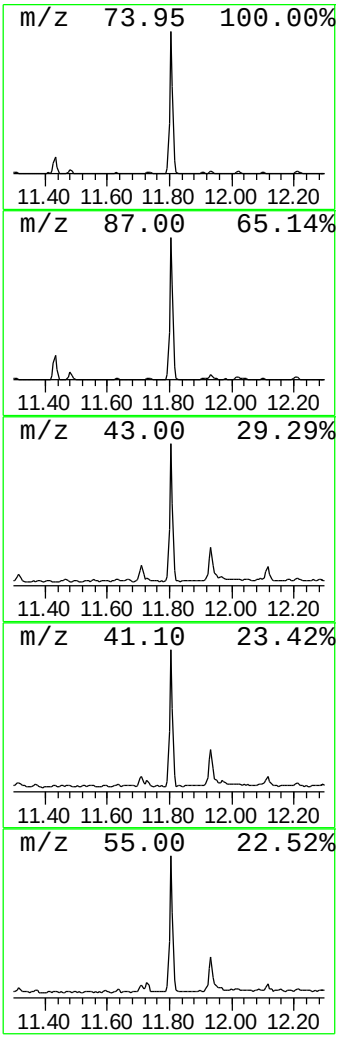
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	9.48 ng	697420	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	97
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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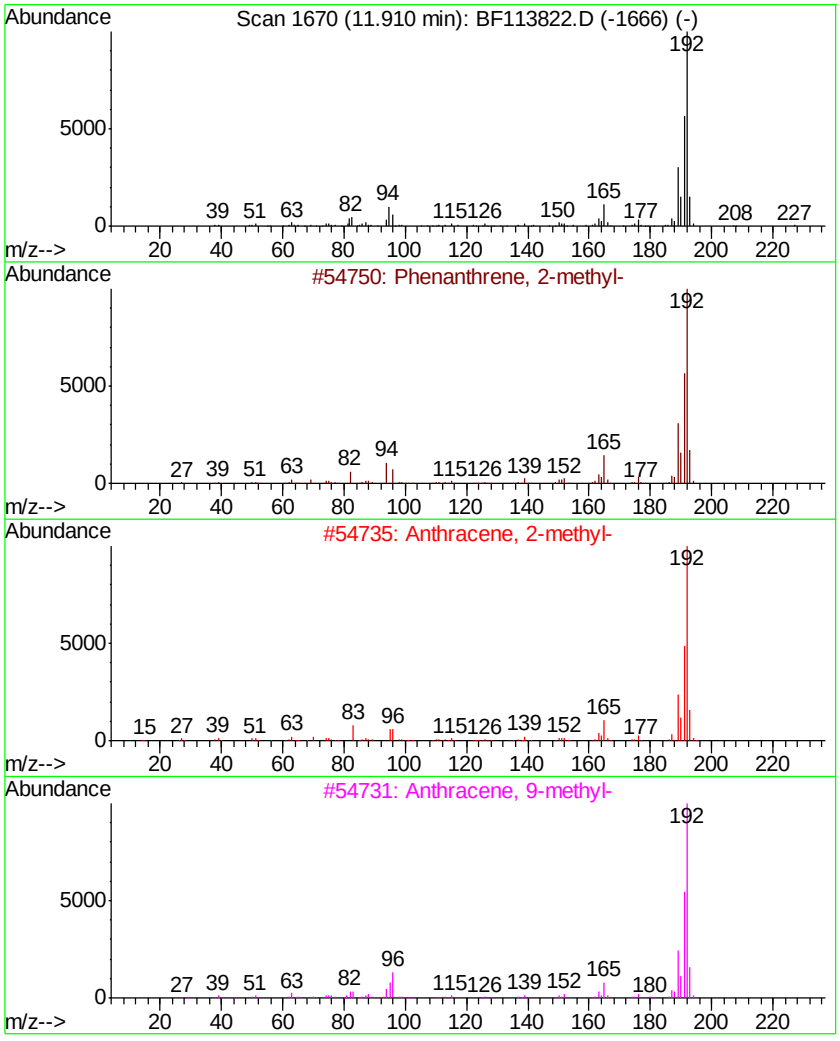
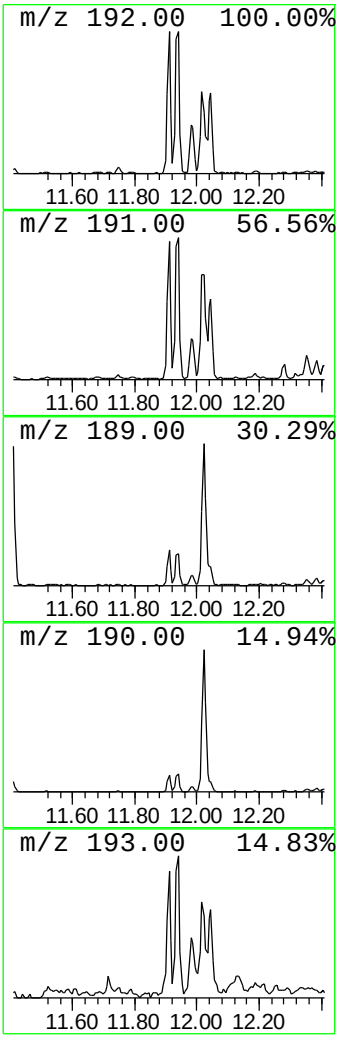
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.08 ng	226728	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

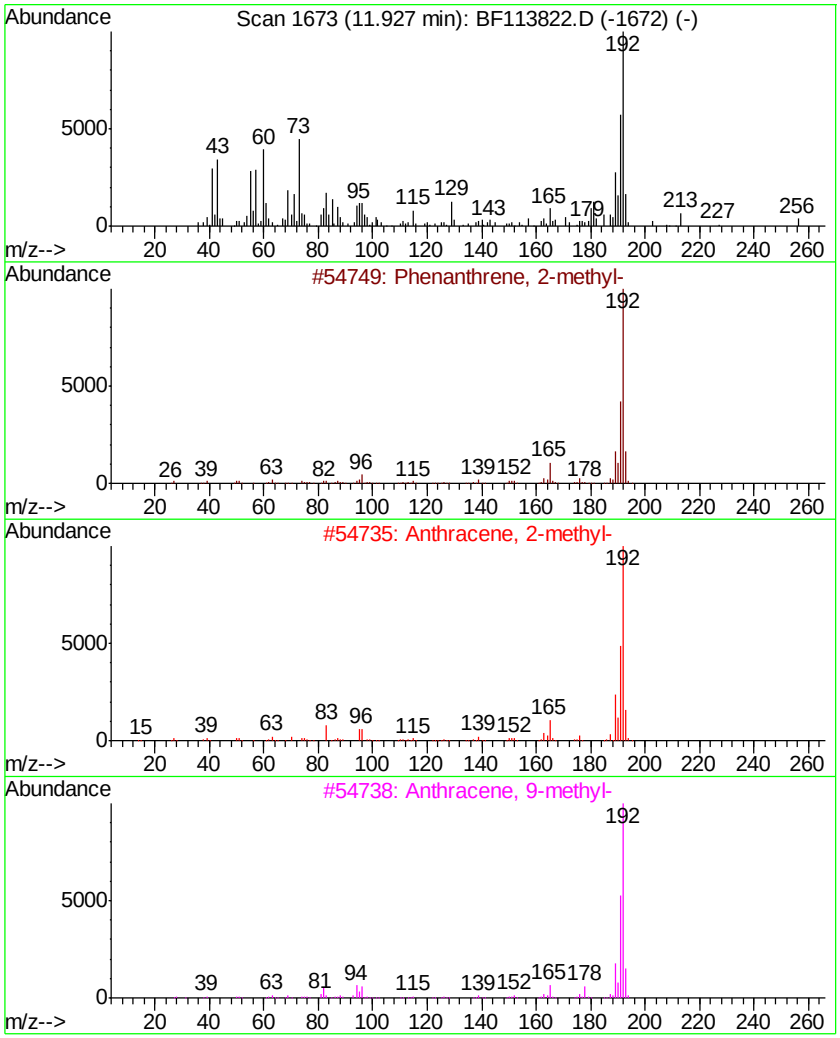
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

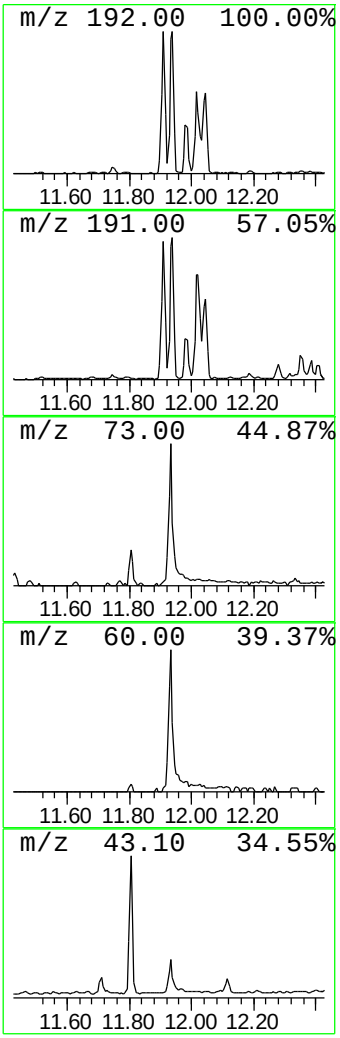
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.36 ng	394329	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

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Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
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Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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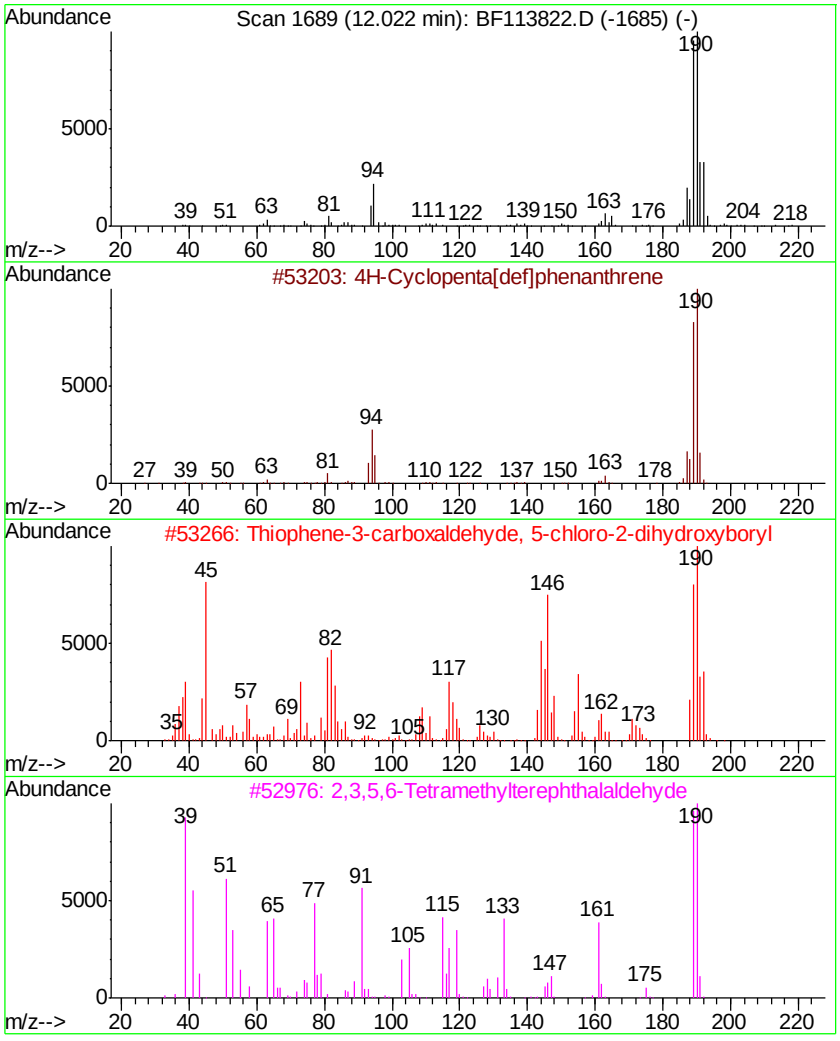
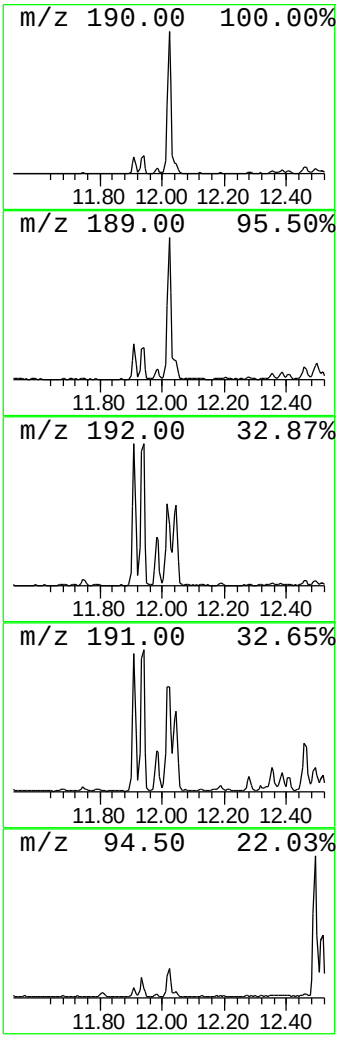
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.91 ng	434541	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
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	43





Library Search Compound Report

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Data File : BF113822.D
Acq On : 18 Apr 2019 17:36
Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

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

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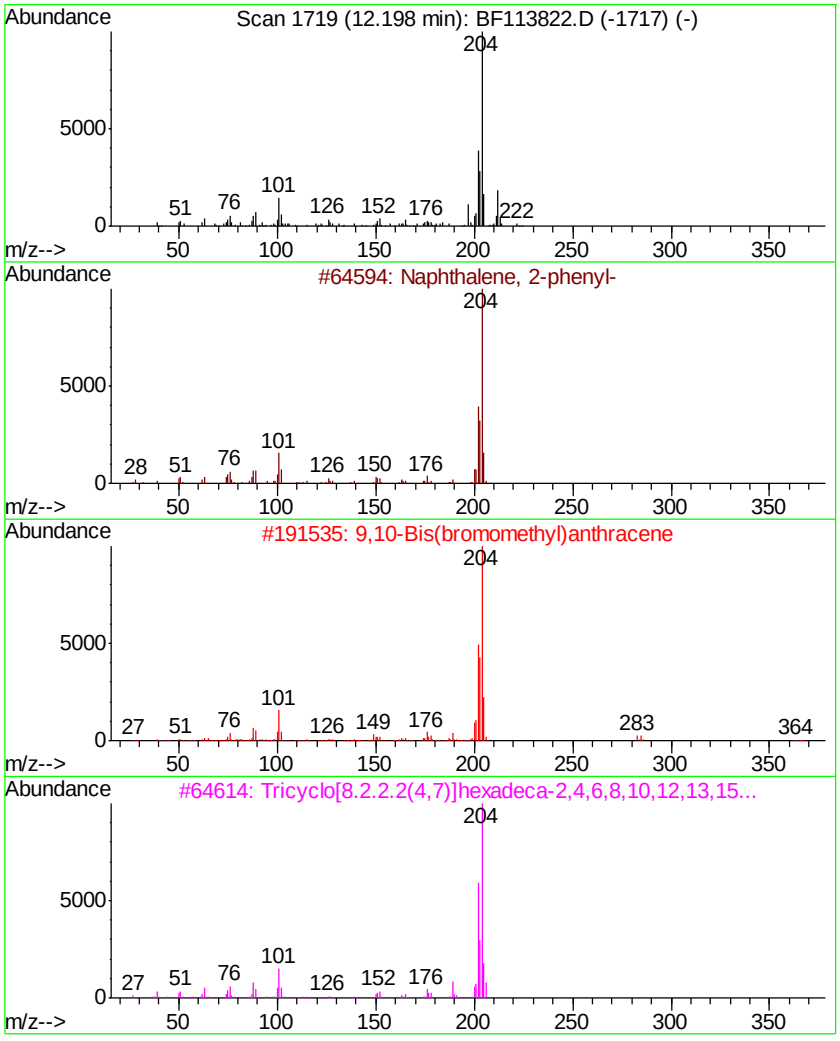
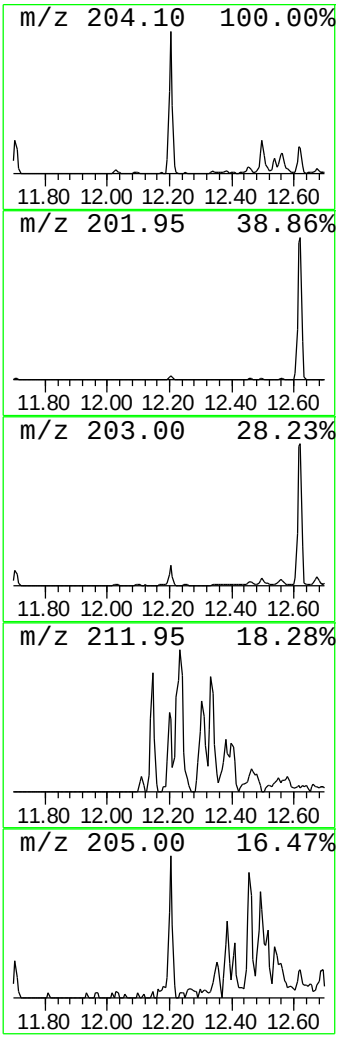
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.60 ng	190988	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

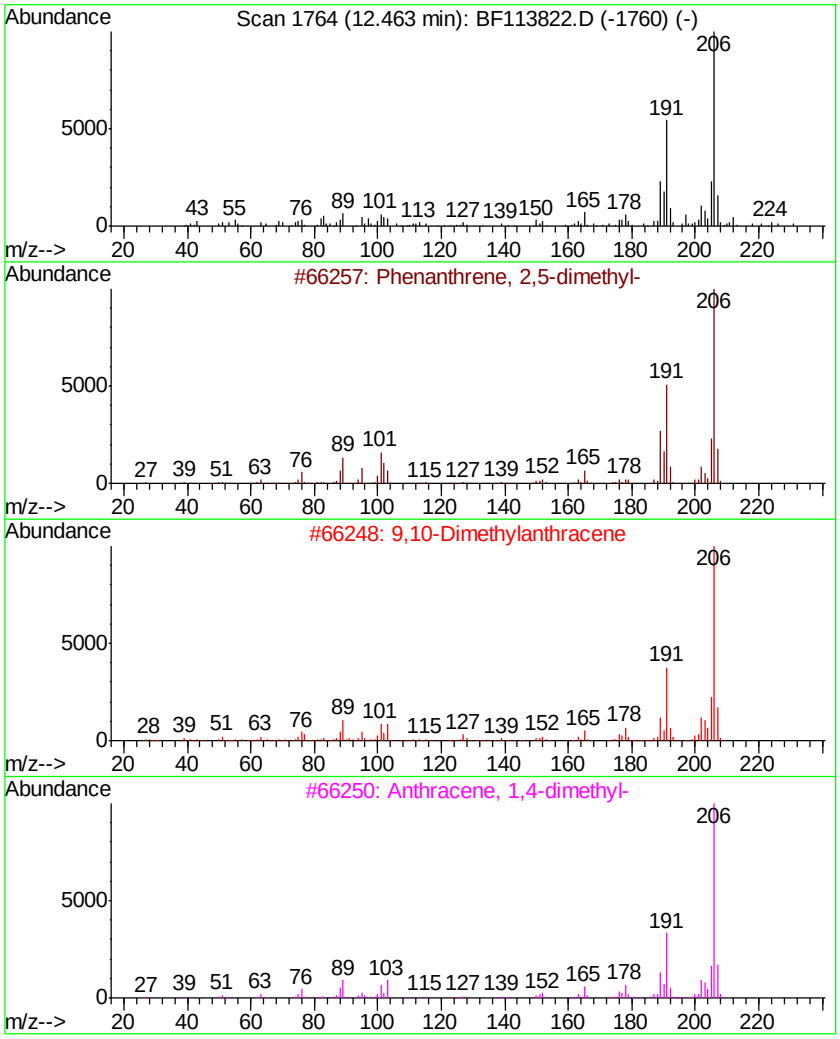
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

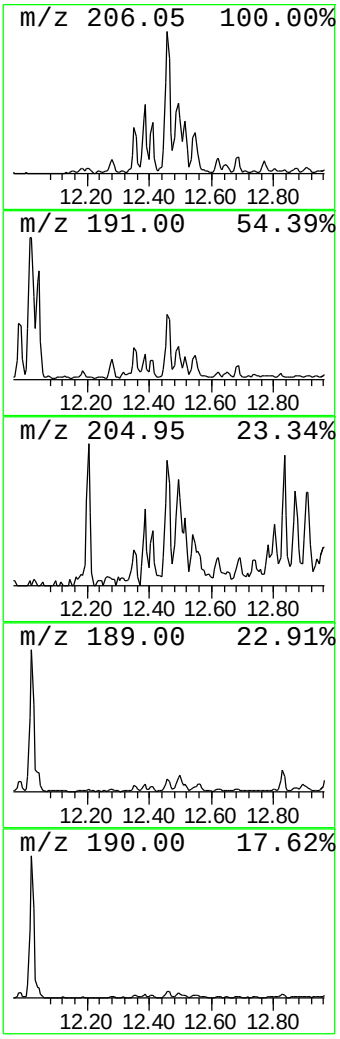
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.34 ng	172076	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Library Search Compound Report

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Operator : JU/SJ
Sample : K2203-11 4X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

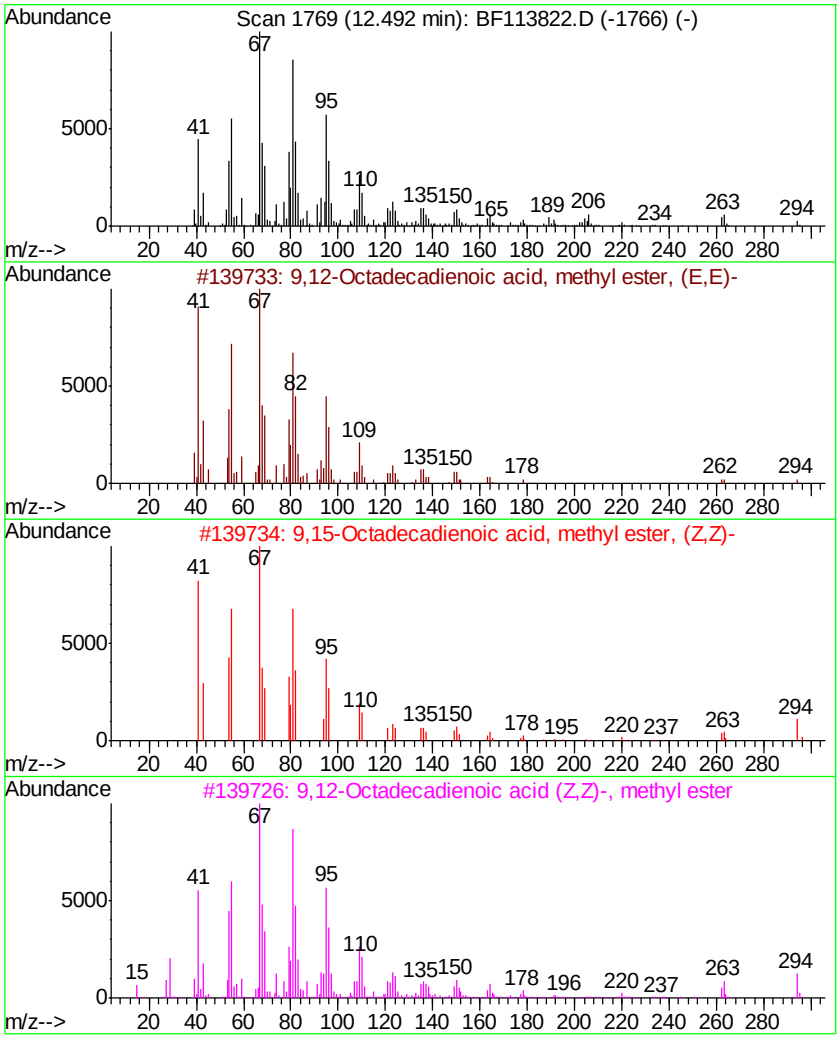
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

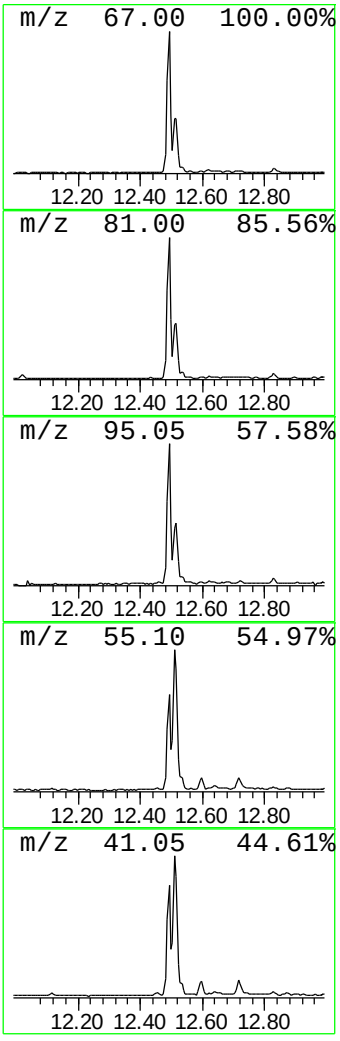
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	25.70 ng	1889750	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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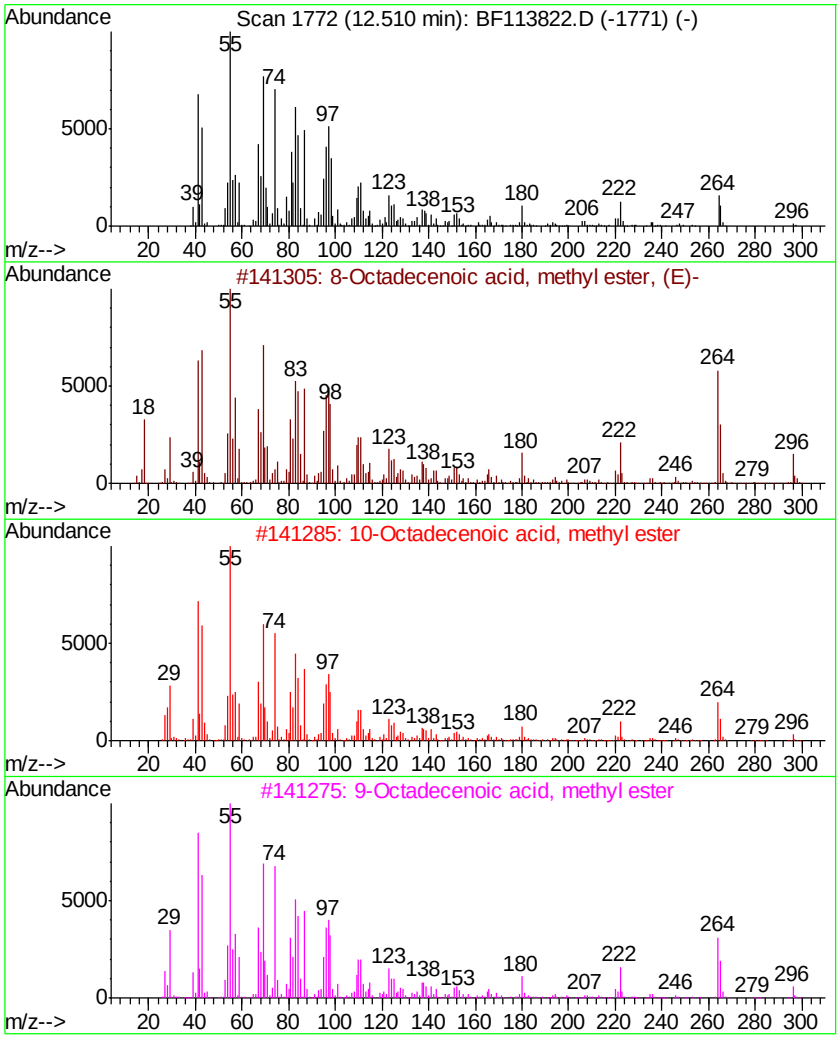
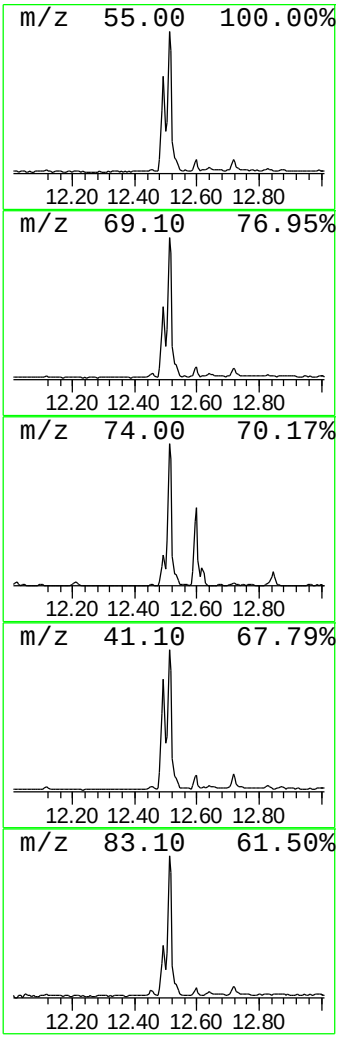
Peak Number 13 8-Octadecenoic acid, methyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	21.16 ng	1556330	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	99
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99





Library Search Compound Report

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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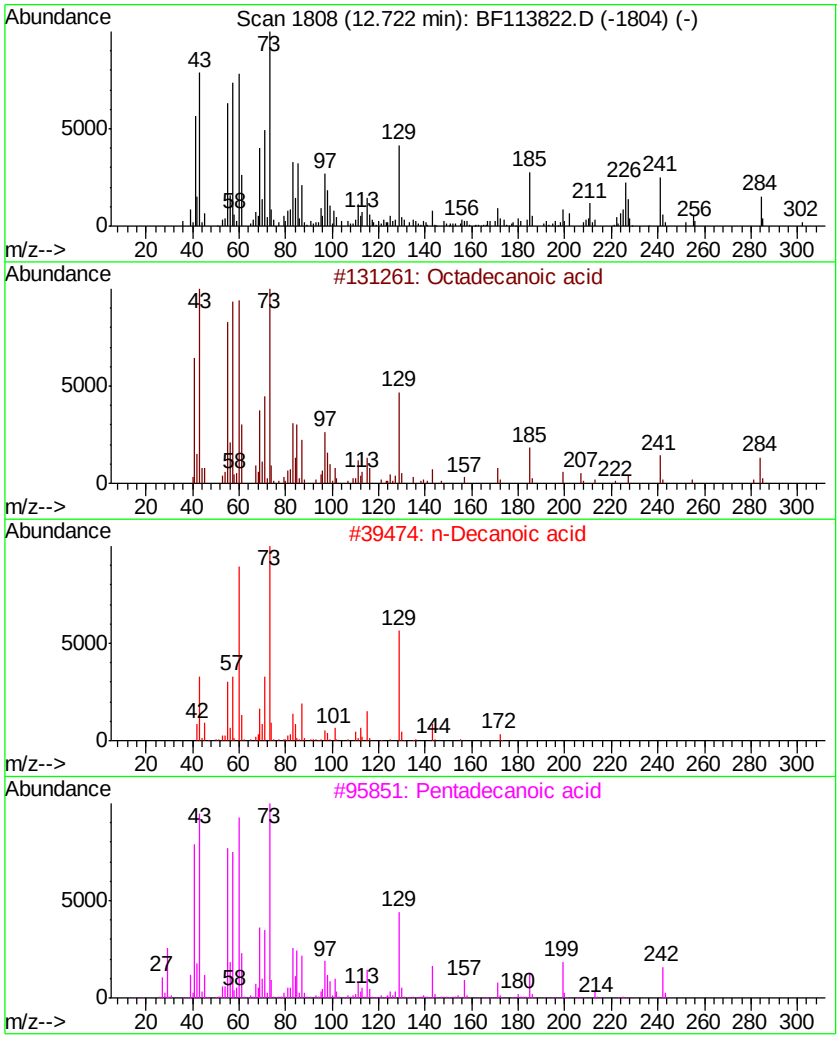
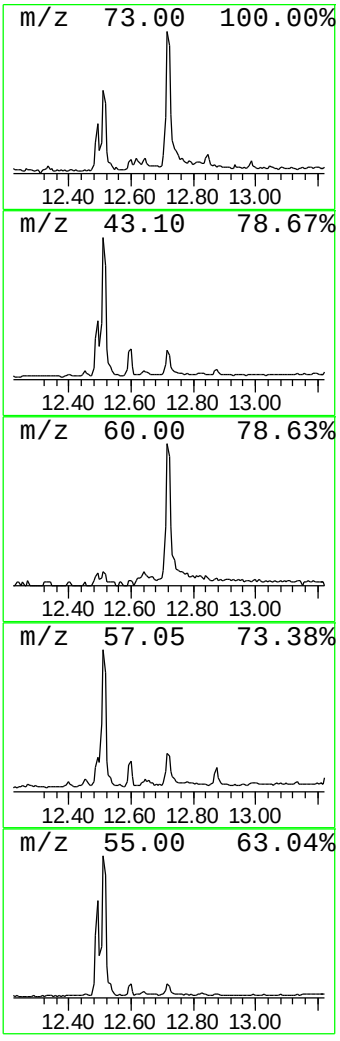
Peak Number 14 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	3.36 ng	246991	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Decanoic acid	172	C10H20O2	000334-48-5	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	62





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-041519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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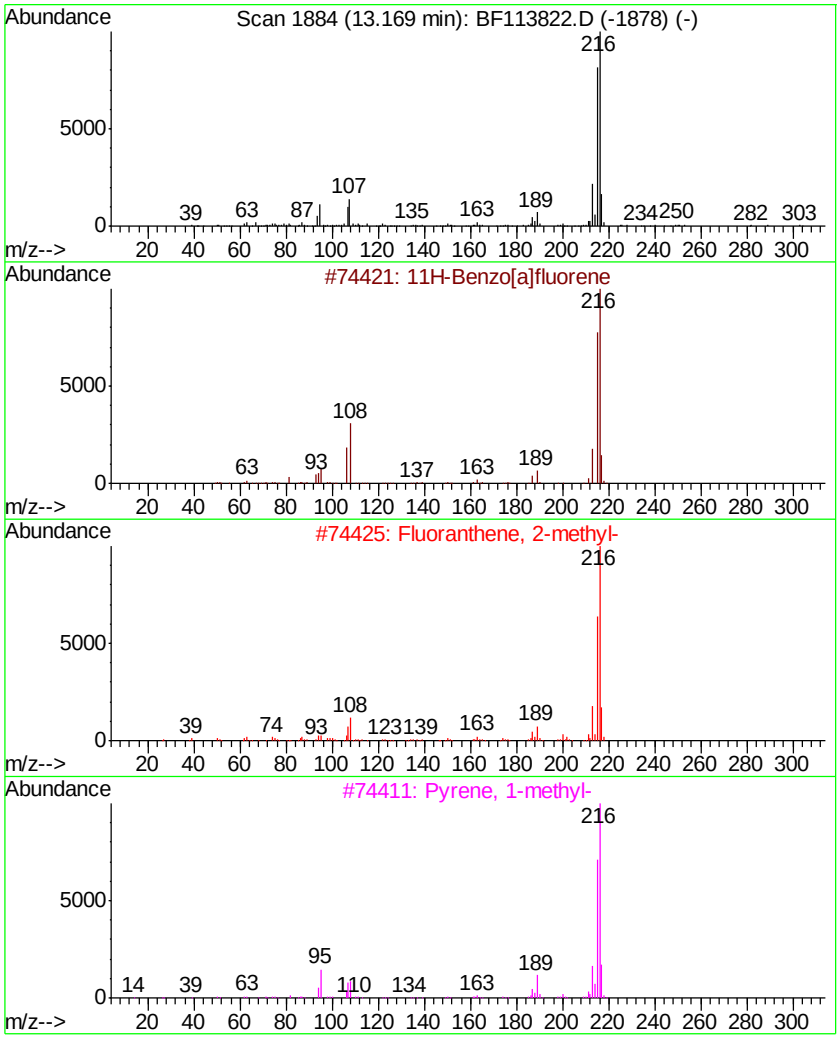
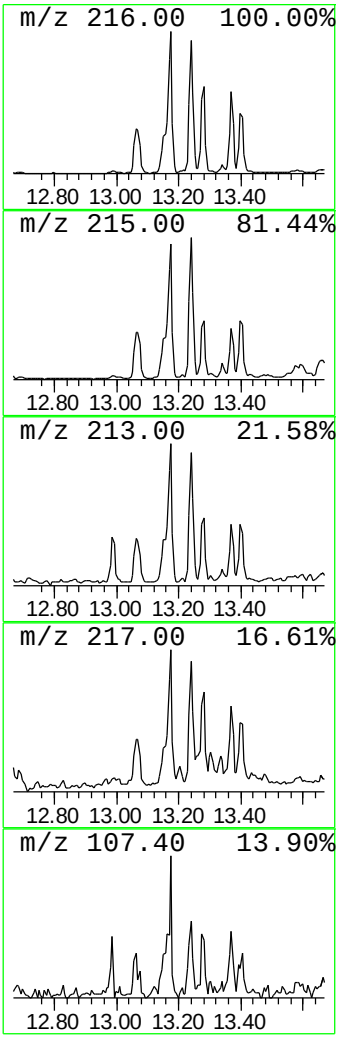
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.16 ng	348630	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

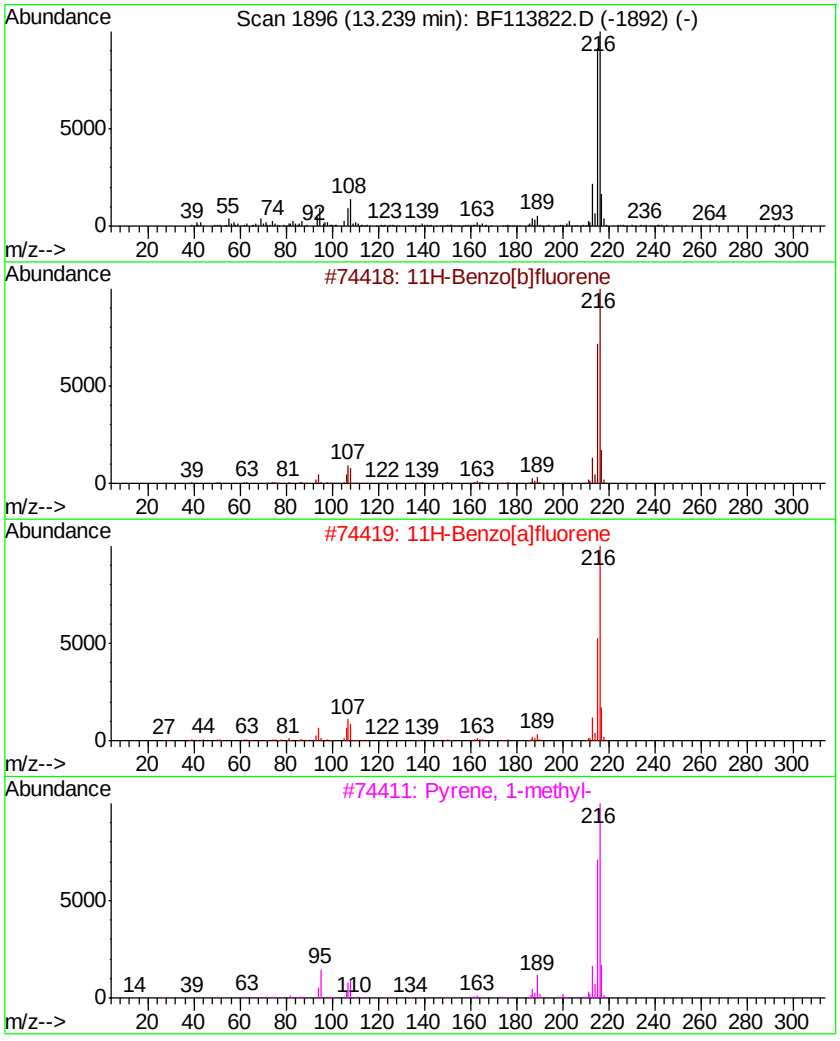
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

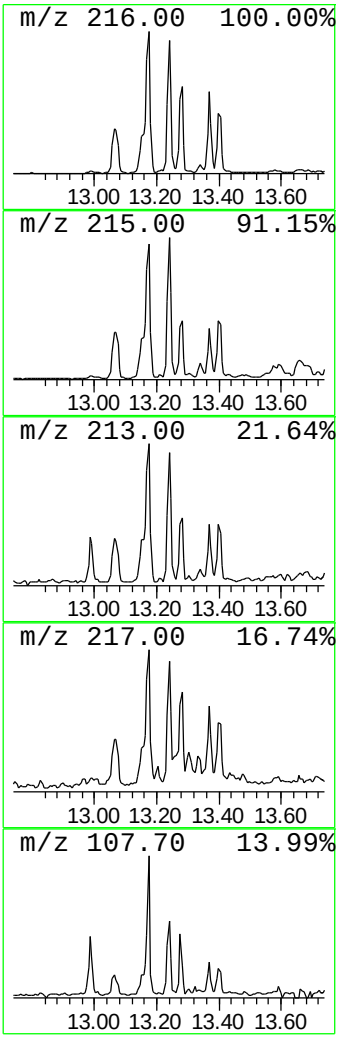
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	2.41 ng	265837	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





Tentatively Identified Compound (LSC) summary

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Data File : BF113822.D
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Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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
unknown6.66	6.66	18.8	ng	1031020	1	6.89	1099220	20.0
Naphthalene, 2,6-...	9.51	2.2	ng	171954	3	9.93	1547710	20.0
Naphthalene, 2,3-...	9.59	2.7	ng	208659	3	9.93	1547710	20.0
Naphtho[2,1-b]thi...	11.30	2.8	ng	209083	4	11.41	1470800	20.0
Hexadecanoic acid...	11.80	9.5	ng	697420	4	11.41	1470800	20.0
Phenanthrene, 2-m...	11.91	3.1	ng	226728	4	11.41	1470800	20.0
Anthracene, 2-met...	11.93	5.4	ng	394329	4	11.41	1470800	20.0
4H-Cyclopenta[def...	12.02	5.9	ng	434541	4	11.41	1470800	20.0
Naphthalene, 2-ph...	12.20	2.6	ng	190988	4	11.41	1470800	20.0
Phenanthrene, 2,5...	12.46	2.3	ng	172076	4	11.41	1470800	20.0
9,12-Octadecadien...	12.49	25.7	ng	1889750	4	11.41	1470800	20.0
8-Octadecenoic ac...	12.51	21.2	ng	1556330	4	11.41	1470800	20.0
Octadecanoic acid	12.72	3.4	ng	246991	4	11.41	1470800	20.0
11H-Benzo[a]fluorene	13.17	3.2	ng	348630	5	14.04	2207210	20.0
11H-Benzo[b]fluorene	13.24	2.4	ng	265837	5	14.04	2207210	20.0