LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

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-BF012519.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	5.051	501	504	517	rBV	80411	121436	1.53%	0.115%
2	5.469	572	575	596	rBV	2191475	2404683	30.25%	2.279%
3	6.487	744	748	763	rBV	2552535	2542591	31.99%	2.409%
4	6.610	765	769	776	rBV	2951444	2690835	33.85%	2.550%
5	6.834	803	807	814	rBV	860917	722541	9.09%	0.685%
6	6.992	830	834	842	rBV	2206608	2093475	26.34%	1.984%
7	7.398	899	903	913	rBV	1745899	1604483	20.18%	1.520%
8	8.116	1022	1025	1031	rVB	993206	854102	10.74%	0.809%
9	8.704	1122	1125	1128	rBV	139797	124549	1.57%	0.118%
10	9.186	1203	1207	1213	rBV	3160512	2953693	37.16%	2.799%
11	9.269	1217	1221	1223	rBV	209994	185719	2.34%	0.176%
12	9.527	1262	1265	1268	rVV2	101076	125442	1.58%	0.119%
13	9.580	1271	1274	1278	rVV	298382	332688	4.19%	0.315%
14	9.733	1296	1300	1304	rBV	429766	393861	4.95%	0.373%
15	9.792	1305	1310	1314	rVB	238079	232394	2.92%	0.220%
16	9.869	1315	1323	1327	rBV	1086118	1053681	13.26%	0.998%
17	9.904	1327	1329	1332	rVB	156471	128508	1.62%	0.122%
18	10.075	1356	1358	1362	rVV	208884	201826	2.54%	0.191%
19	10.116	1362	1365	1369	rVB2	113036	117853	1.48%	0.112%
20	10.186	1373	1377	1380	rBV2	104197	122034	1.54%	0.116%
21	10.292	1389	1395	1398	rBV2	313036	326314	4.10%	0.309%
22	10.422	1413	1417	1422	rVB	277625	304796	3.83%	0.289%
23	10.663	1455	1458	1464	rBV	1774679	1681422	21.15%	1.593%
24	10.763	1472	1475	1484	rVB3	290097	427808	5.38%	0.405%
25	10.969	1505	1510	1513	rBV3	130351	179835	2.26%	0.170%
26	11.092	1527	1531	1534	rBV4	100364	144447	1.82%	0.137%
27	11.216	1548	1552	1554	rBV2	263009	257255	3.24%	0.244%
28	11.257	1554	1559	1564	rVB2	263170	328927	4.14%	0.312%
29	11.363	1573	1577	1578	rBV	847733	829722	10.44%	0.786%
30	11.386	1578	1581	1584	rVV	3066008	2826629	35.56%	2.679%
31	11.439	1586	1590	1593	rVV	1073247	986970	12.42%	0.935%
32	11.474	1593	1596	1601	rVB2	93698	144362	1.82%	0.137%
33	11.598	1612	1617	1621	rBV2	164972	230528	2.90%	0.218%
34	11.645	1621	1625	1630	rVV2	240248	324203	4.08%	0.307%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.692	1630	1633	1638	rVB3	139276	160793	2.02%	0.152%
36	11.745	1638	1642	1645	rBV	3091221	2611210	32.85%	2.474%
37	11.863	1658	1662	1664	rBV	511471	491350	6.18%	0.466%
38	11.892	1664	1667	1672	rVB2	846903	917996	11.55%	0.870%
39	11.939	1672	1675	1678	rBV	286128	250630	3.15%	0.238%
40	11.974	1678	1681	1684	rBV	1137004	1264069	15.90%	1.198%
41	12.045	1690	1693	1699	rBV3	166938	208733	2.63%	0.198%
42	12.157	1708	1712	1715	rBV	408516	395736	4.98%	0.375%
43	12.192	1716	1718	1722	rVB	177803	181552	2.28%	0.172%
44	12.304	1732	1737	1740	rBV2	108380	131241	1.65%	0.124%
45	12.439	1752	1760	1761	rBV	7538139	7949290	100.00%	7.533%
46	12.457	1761	1763	1769	rVV2	6368224	6548208	82.37%	6.205%
47	12.510	1769	1772	1774	rVV2	349621	422750	5.32%	0.401%
48	12.533	1774	1776	1780	rVB	1299718	1066069	13.41%	1.010%
49	12.592	1780	1786	1789	rBV	5917878	6799817	85.54%	6.444%
50	12.621	1789	1791	1793	rVV	152094	131927	1.66%	0.125%
51	12.645	1793	1795	1797	rVV	146836	127014	1.60%	0.120%
52	12.668	1797	1799	1804	rVB2	251598	319697	4.02%	0.303%
53	12.733	1806	1810	1813	rBV	266626	262635	3.30%	0.249%
54	12.768	1813	1816	1818	rVB3	199489	172657	2.17%	0.164%
55	12.821	1818	1825	1828	rBV2	5169817	6568017	82.62%	6.224%
56	12.863	1829	1832	1836	rVB2	252320	252140	3.17%	0.239%
57	12.945	1840	1846	1849	rBV2	2600953	2567655	32.30%	2.433%
58	12.974	1849	1851	1855	rVB	201104	191698	2.41%	0.182%
59	13.033	1855	1861	1864	rBV2	409321	764958	9.62%	0.725%
60	13.092	1868	1871	1872	rBV2	152613	135333	1.70%	0.128%
61	13.115	1872	1875	1876	rVV2	290279	305416	3.84%	0.289%
62	13.139	1876	1879	1882	rVB	950417	843813	10.61%	0.800%
63	13.204	1887	1890	1893	rVV	781428	673477	8.47%	0.638%
64	13.245	1893	1897	1904	rVV3	566762	854621	10.75%	0.810%
65	13.333	1909	1912	1915	rBV	318738	287245	3.61%	0.272%
66	13.368	1915	1918	1926	rVV2	372586	446808	5.62%	0.423%
67	13.621	1958	1961	1964	rBV3	109467	150939	1.90%	0.143%
68	13.651	1964	1966	1969	rVB	341721	303969	3.82%	0.288%
69	13.757	1980	1984	1986	rBV	560560	607272	7.64%	0.575%
70	13.780	1986	1988	1991	rVB	531970	443841	5.58%	0.421%
71	13.815	1991	1994	1995	rBV	544801	538920	6.78%	0.511%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.862	2000	2002	2008	rVB2	418999	450037	5.66%	0.426%
73	13.927	2010	2013	2017	rBV	256877	234222	2.95%	0.222%
74	14.010	2020	2027	2030	rBV2	3548573	5214720	65.60%	4.942%
75	14.045	2030	2033	2036	rVB	3088470	2758293	34.70%	2.614%
76	14.121	2043	2046	2048	rVB	738604	582135	7.32%	0.552%
77	14.162	2048	2053	2058	rBV4	384086	644611	8.11%	0.611%
78	14.233	2062	2065	2069	rVB2	276754	394313	4.96%	0.374%
79	14.362	2084	2087	2089	rBV2	247111	255370	3.21%	0.242%
80	14.398	2089	2093	2096	rVV	623865	769130	9.68%	0.729%
81	14.433	2096	2099	2101	rVV2	363398	421312	5.30%	0.399%
82	14.457	2101	2103	2105	rVV	338209	400215	5.03%	0.379%
83	14.498	2108	2110	2112	rVV2	333493	322735	4.06%	0.306%
84	14.527	2112	2115	2116	rVV	431318	452601	5.69%	0.429%
85	14.545	2116	2118	2121	rVV2	460354	463902	5.84%	0.440%
86	14.586	2122	2125	2129	rVB2	252389	340750	4.29%	0.323%
87	14.721	2145	2148	2150	rBV3	159007	204657	2.57%	0.194%
88	14.757	2152	2154	2157	rVB	359576	379073	4.77%	0.359%
89	14.904	2176	2179	2182	rVB	280880	312940	3.94%	0.297%
90	15.074	2201	2208	2210	rBV	2691769	4691120	59.01%	4.445%
91	15.174	2221	2225	2228	rBV	630493	712124	8.96%	0.675%
92	15.257	2236	2239	2240	rBV2	160643	167375	2.11%	0.159%
93	15.374	2254	2259	2264	rVB	1472711	1954067	24.58%	1.852%
94	15.445	2265	2271	2274	rVV	2347027	3409793	42.89%	3.231%
95	15.492	2277	2279	2282	rVV	492938	605306	7.61%	0.574%
96	15.527	2282	2285	2291	rVB	753646	1003595	12.62%	0.951%
97	15.898	2345	2348	2352	rVB2	211653	270659	3.40%	0.256%
98	16.998	2527	2535	2541	rBV2	925785	2052898	25.82%	1.945%
99	17.156	2558	2562	2568	rBV2	206128	354854	4.46%	0.336%
100	17.450	2605	2612	2620	rBV	640824	1354677	17.04%	1.284%

Sum of corrected areas: 105526592

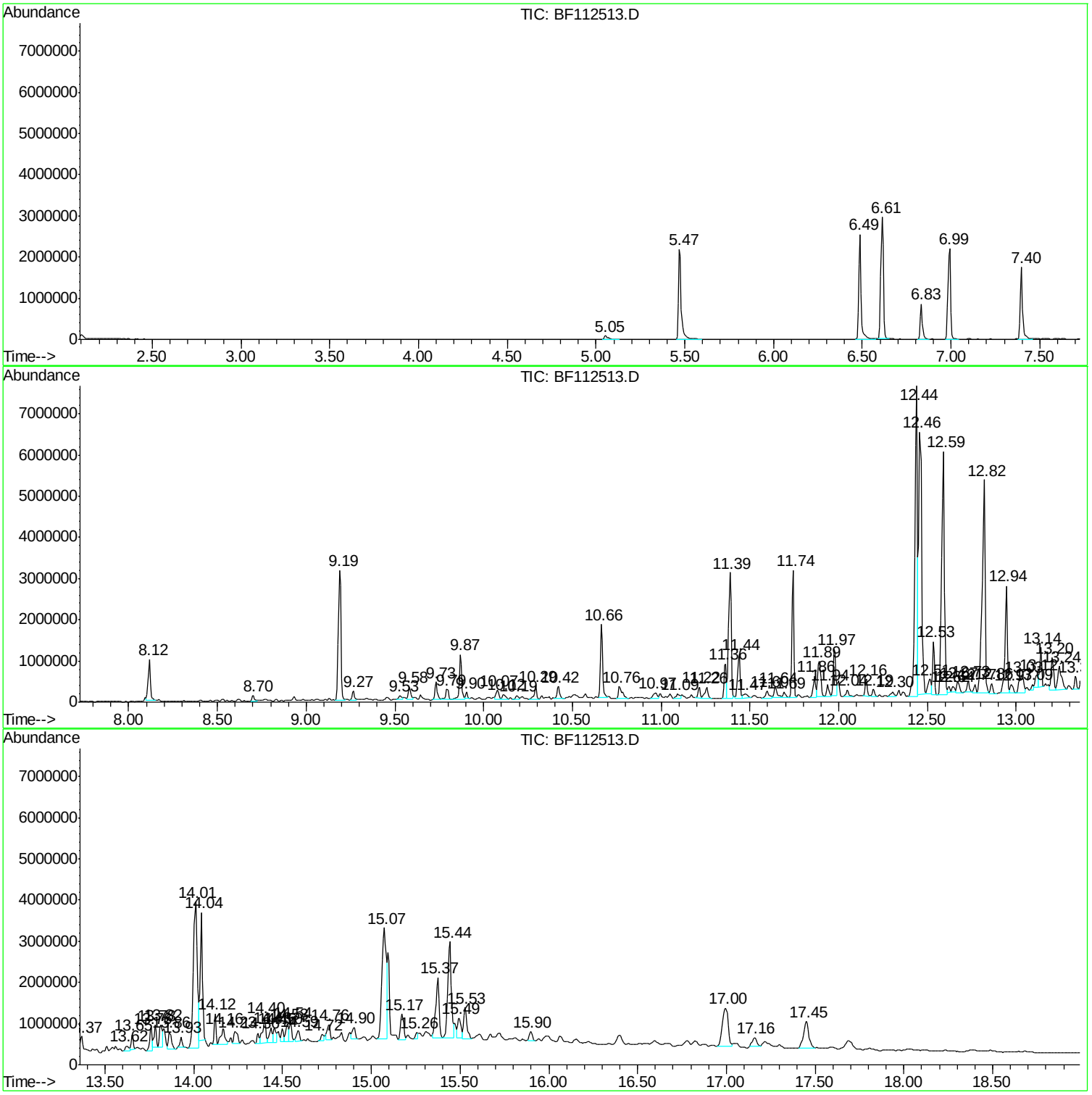
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

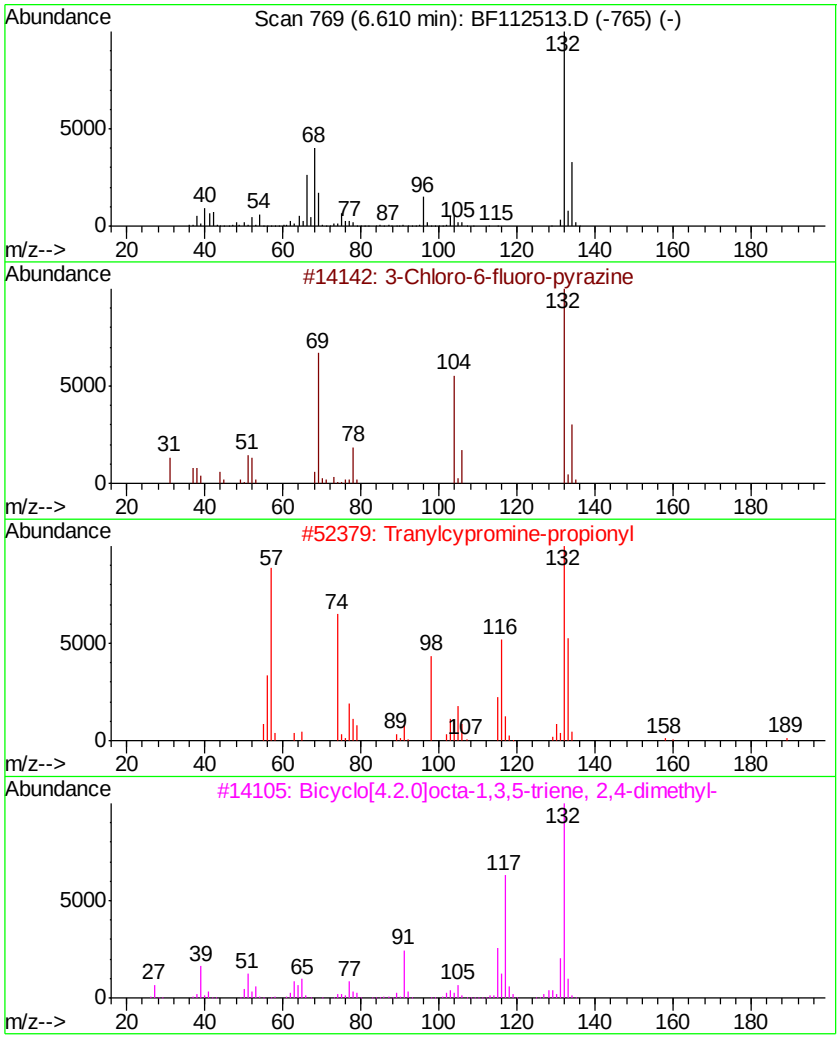
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

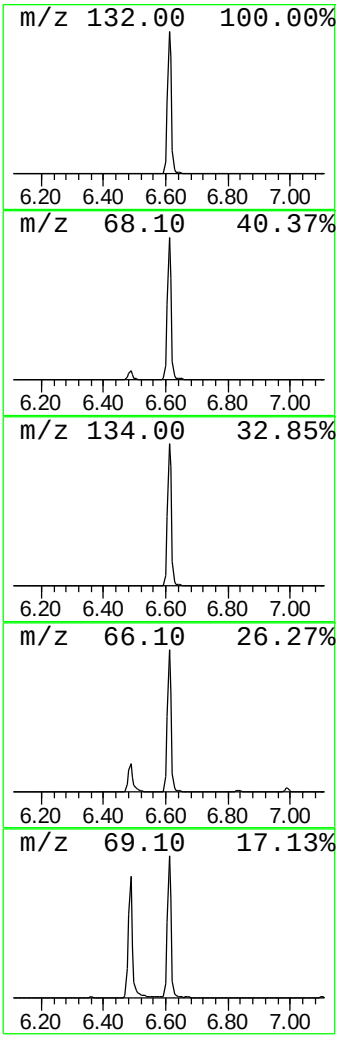
****

Peak Number 1 unknown6.61 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	74.48 ng	2690840	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

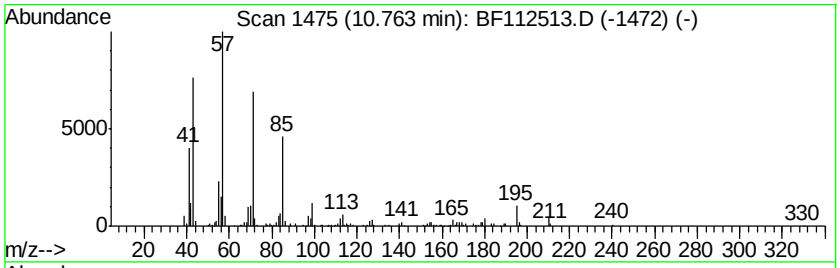
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

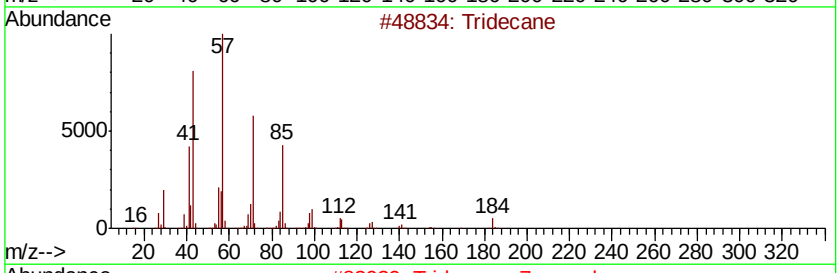
****

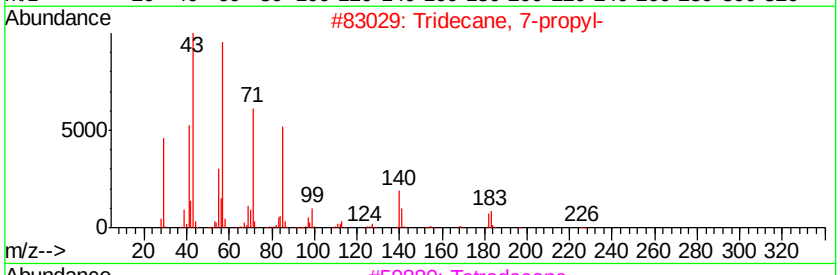
Peak Number 3 Tridecane Concentration Rank 15

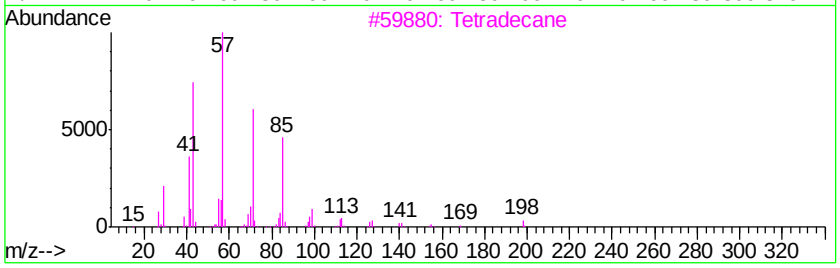
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	10.31 ng	427808	Phenanthrene-d10	11.36

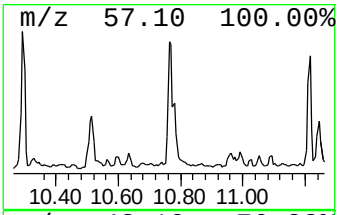
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	74
3	Tetradecane	198	C14H30	000629-59-4	74
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
5	Hexadecane	226	C16H34	000544-76-3	72

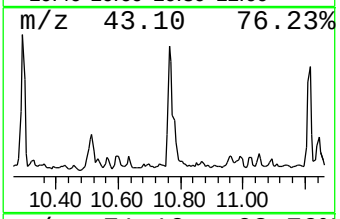


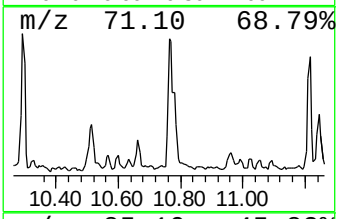


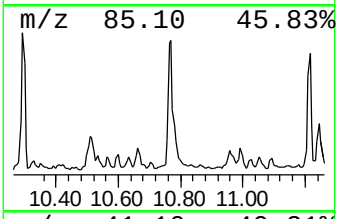


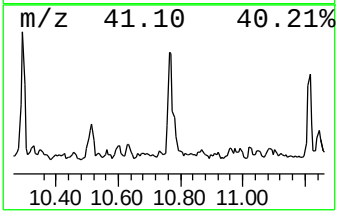












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

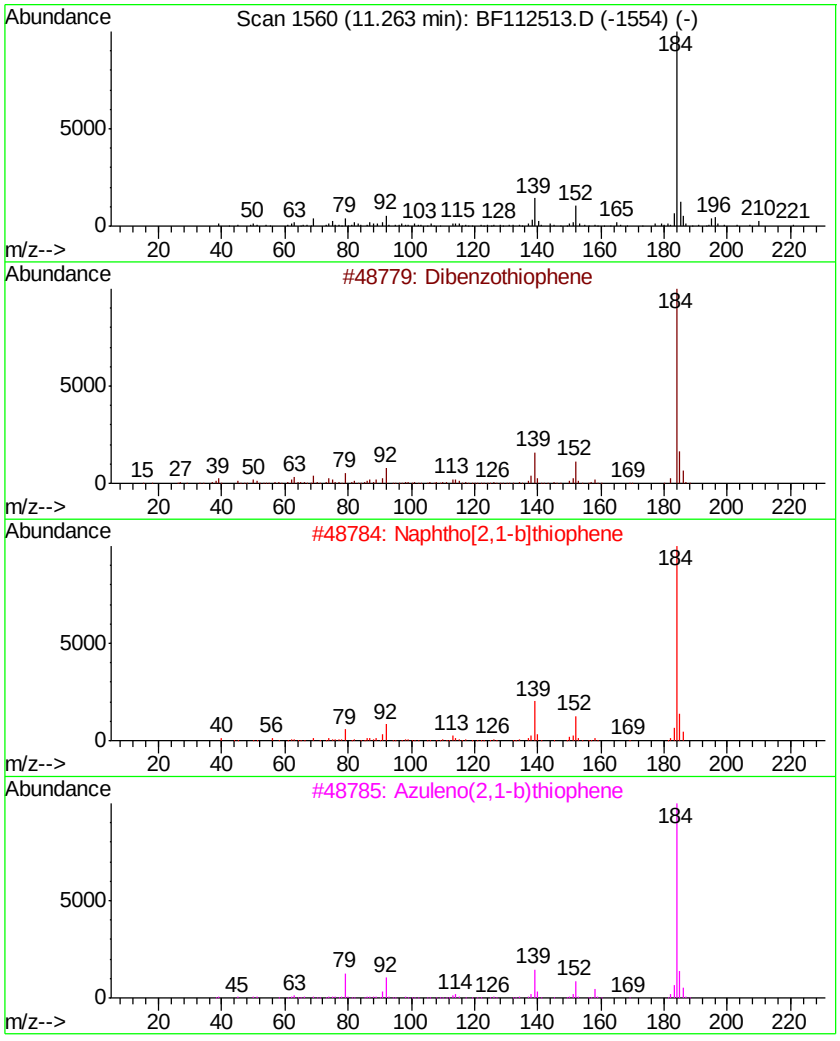
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

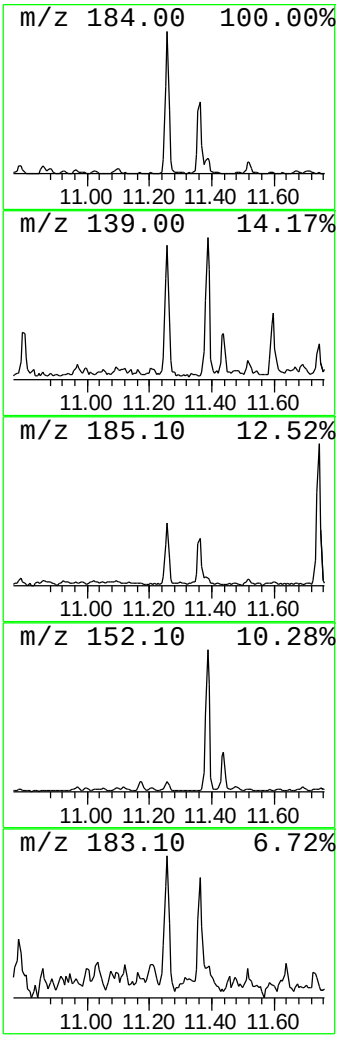
****

Peak Number 4 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	7.93 ng	328927	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

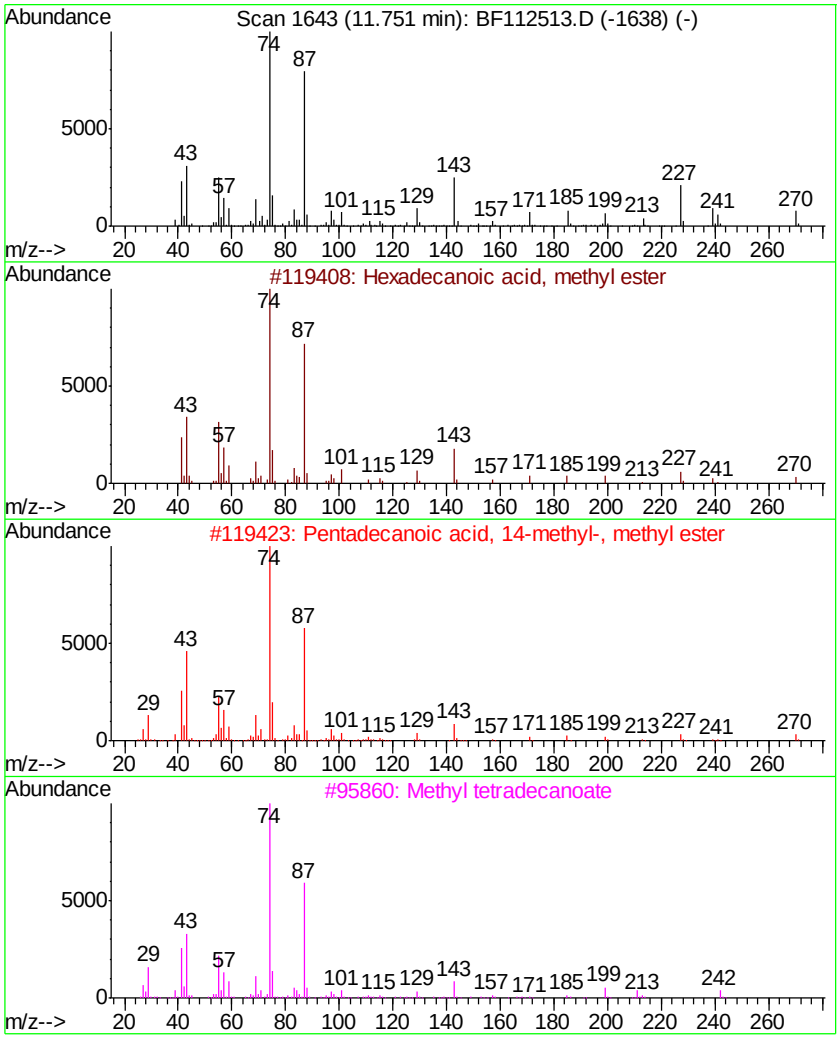
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

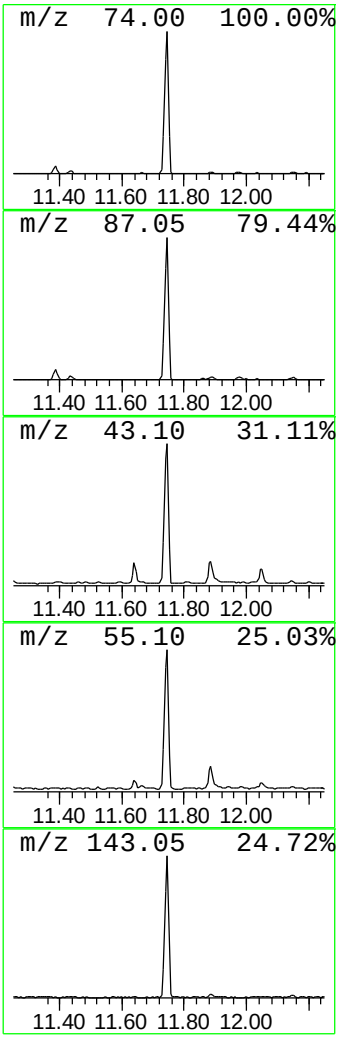
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	62.94 ng	2611210	Phenanthrene-d10	11.36

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	93
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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Misc :
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ClientSampleId : HD-02-021119

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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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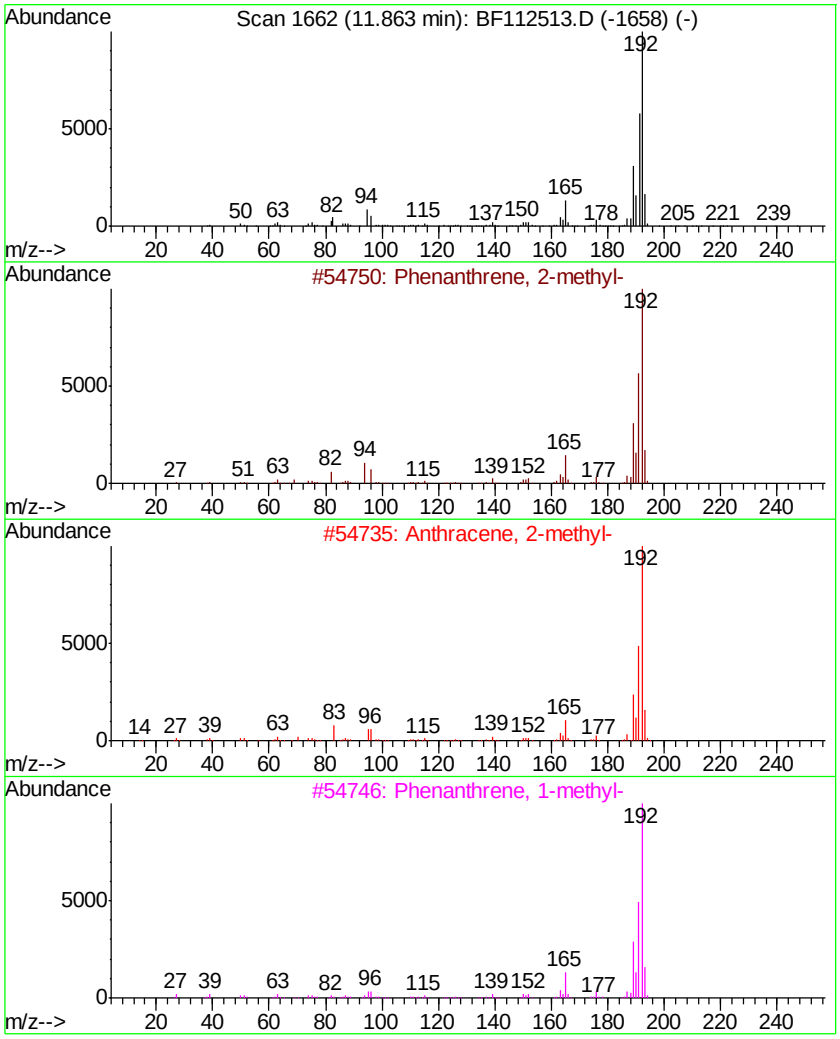
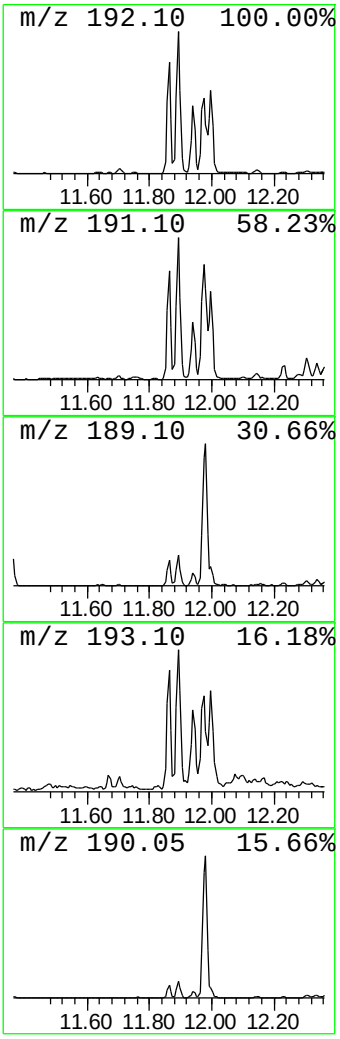
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	11.84 ng	491350	Phenanthrene-d10	11.36

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	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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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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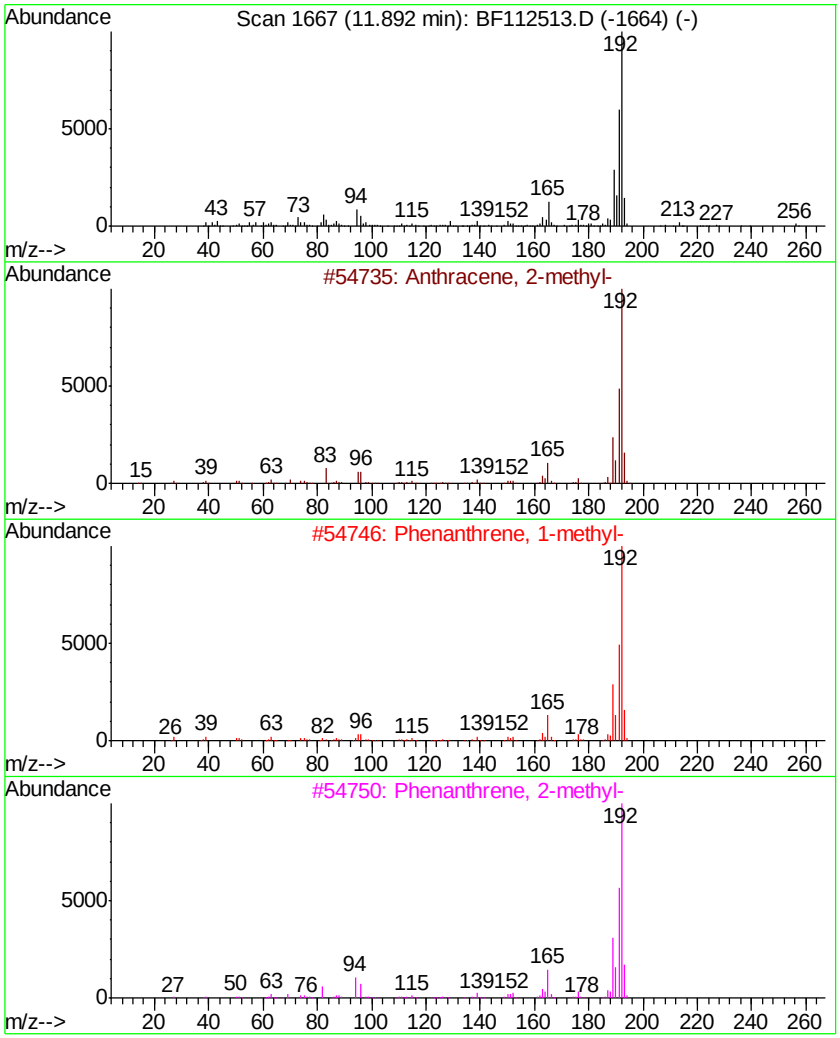
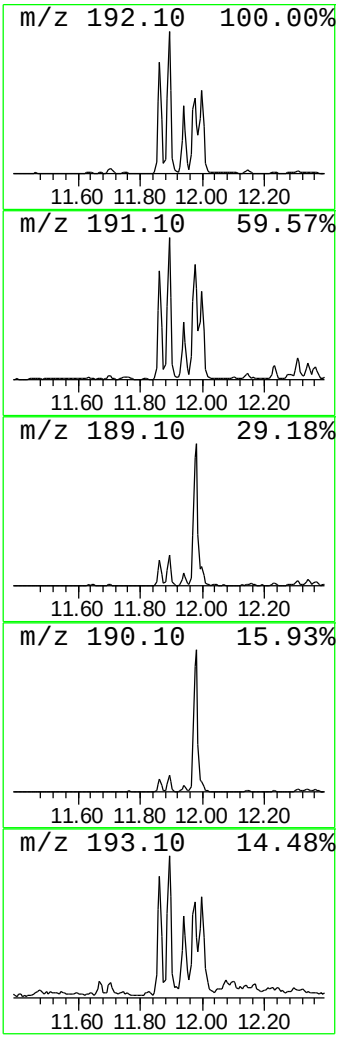
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	22.13 ng	917996	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Library Search Compound Report

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

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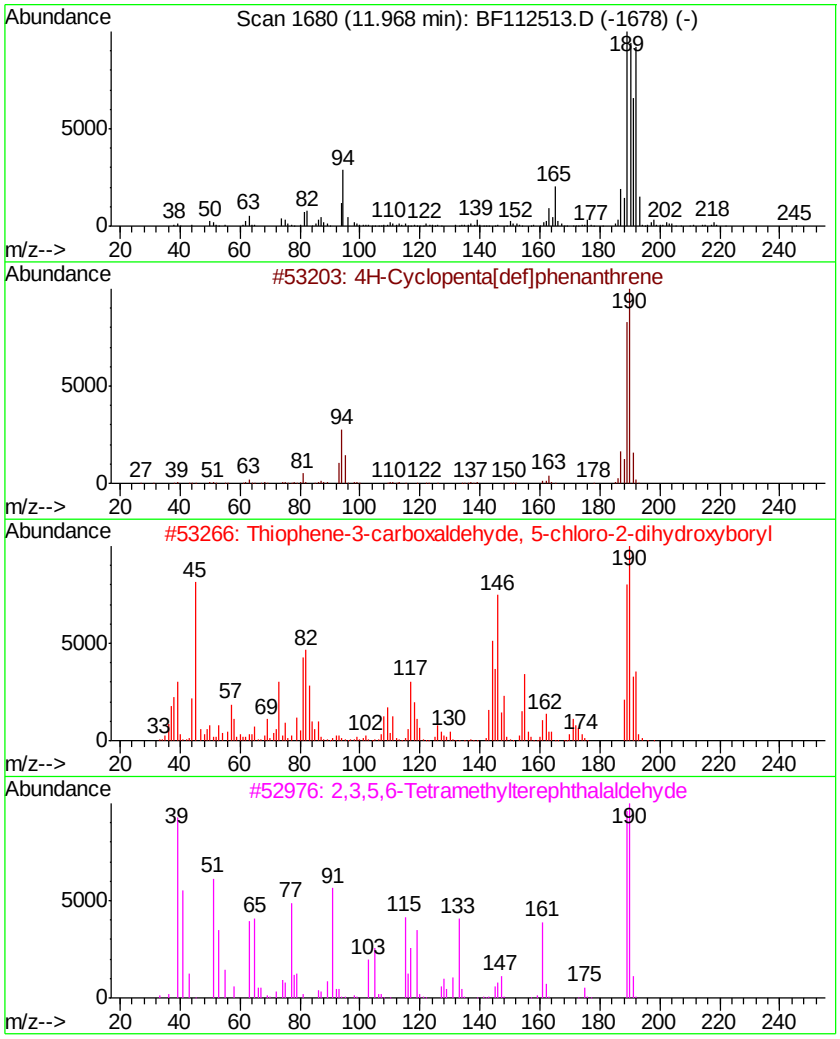
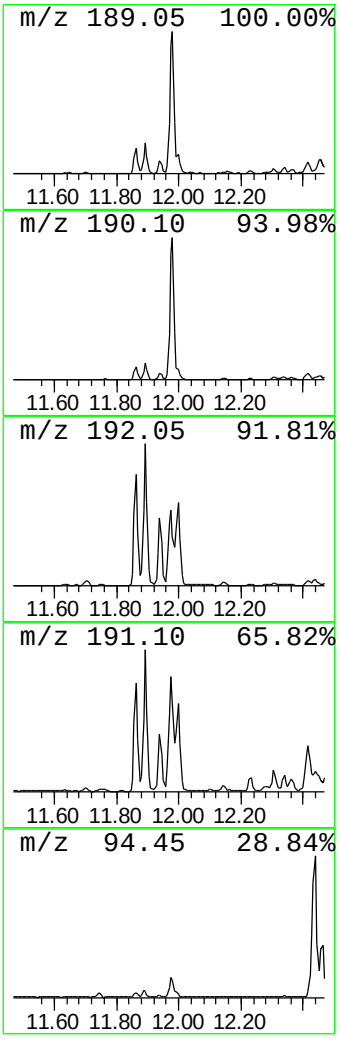
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	30.47 ng	1264070	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Sample : K1345-01
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Instrument : BNA_F
ClientSampleId : HD-02-021119

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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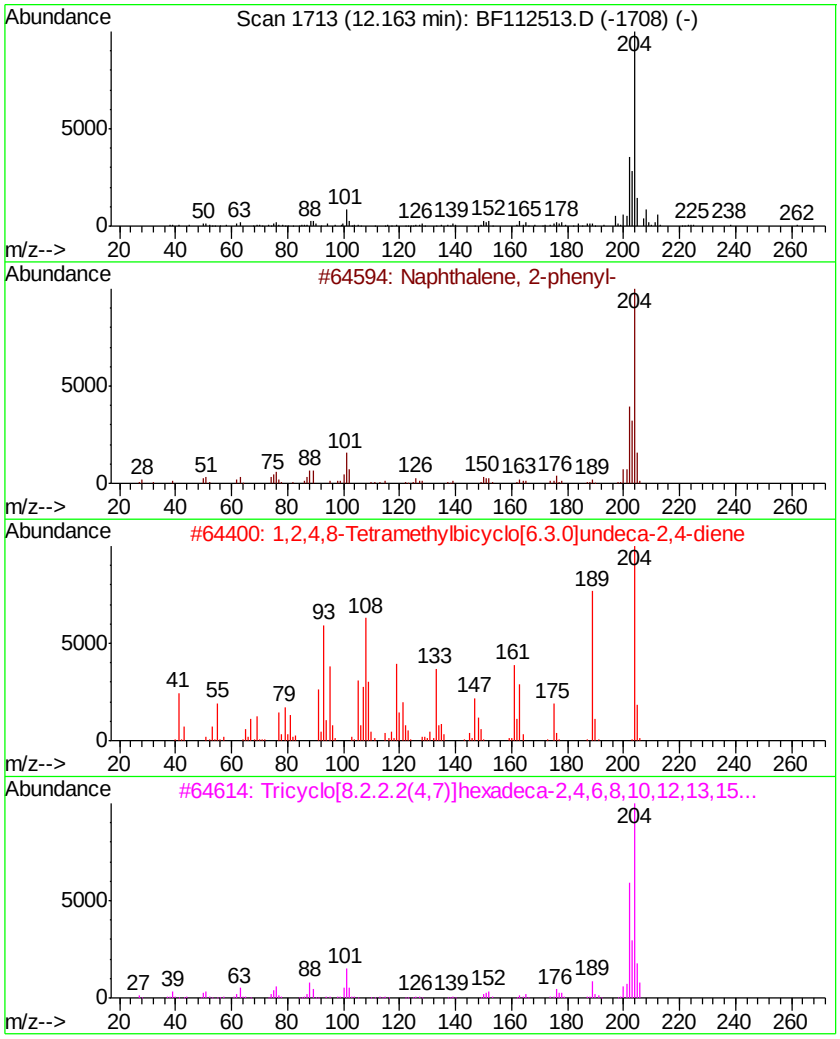
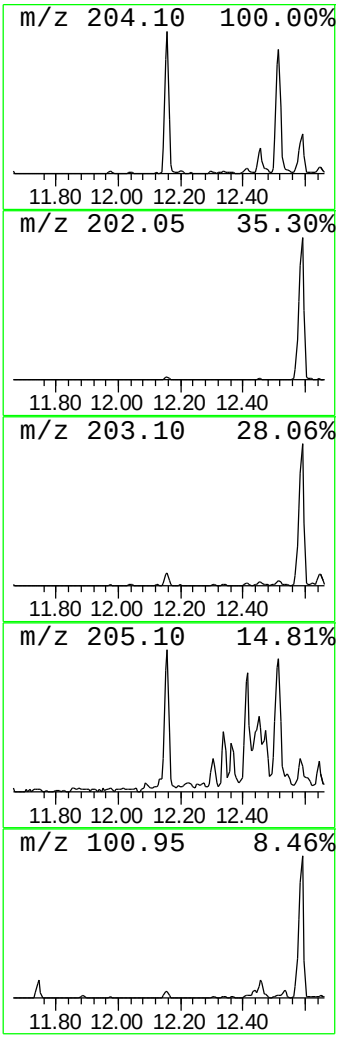
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	9.54 ng	395736	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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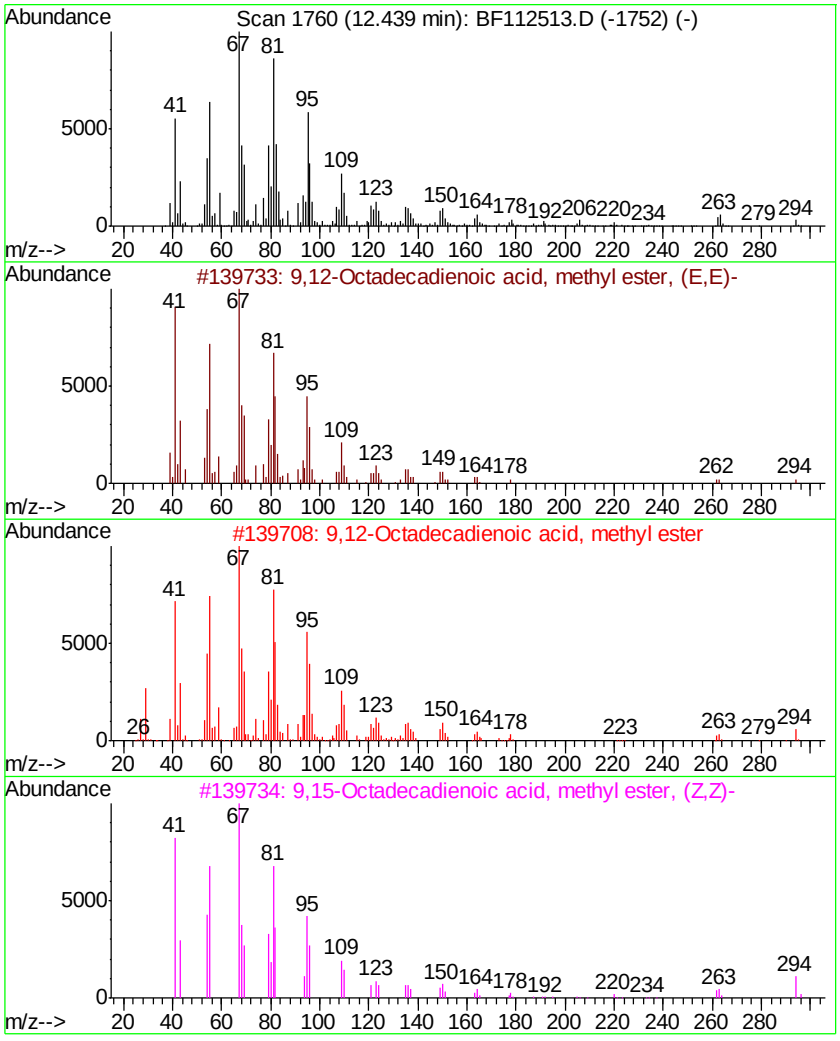
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

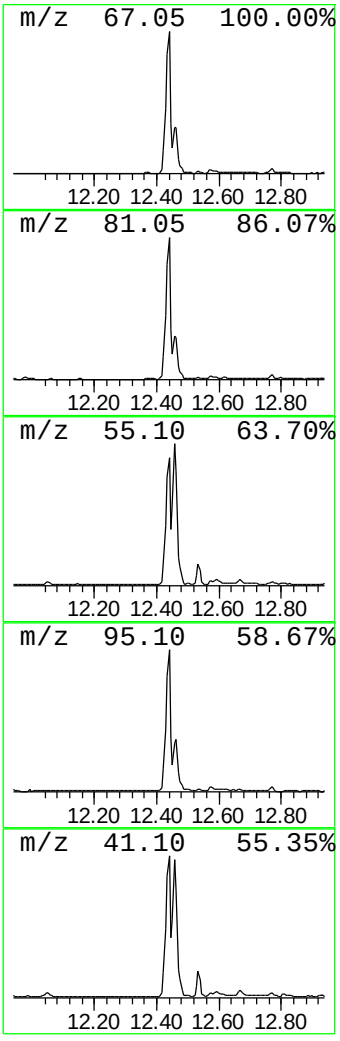
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	191.61 ng	7949290	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

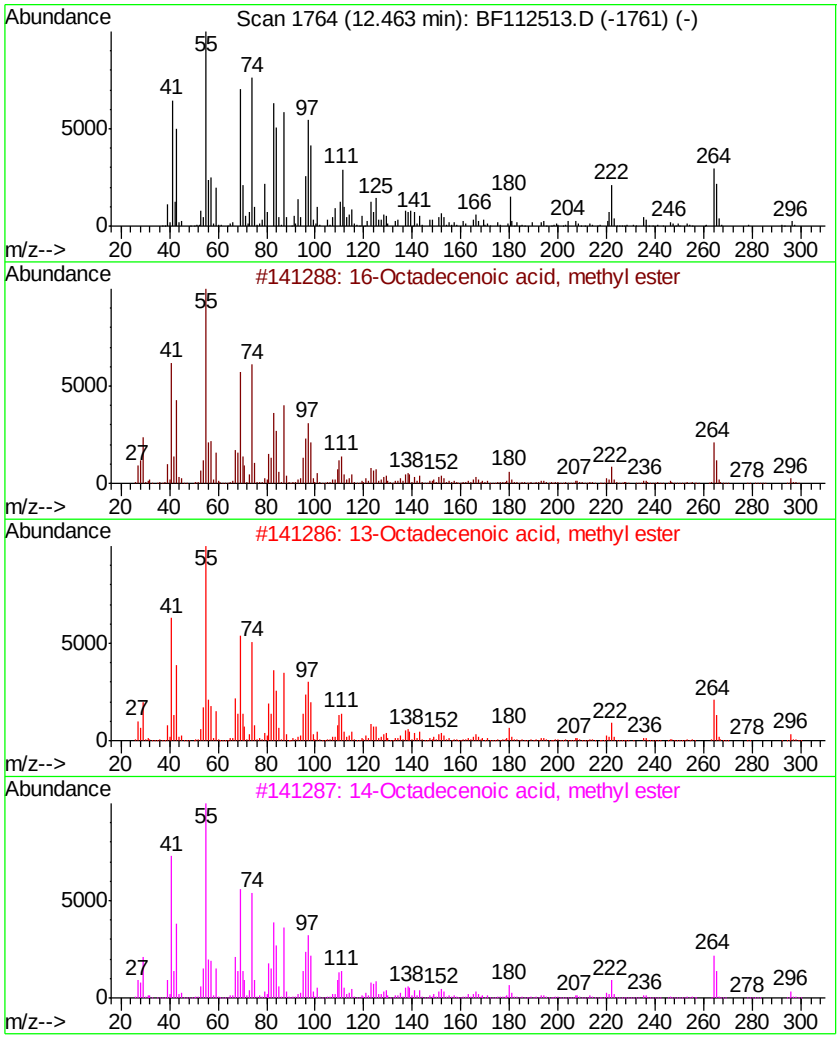
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

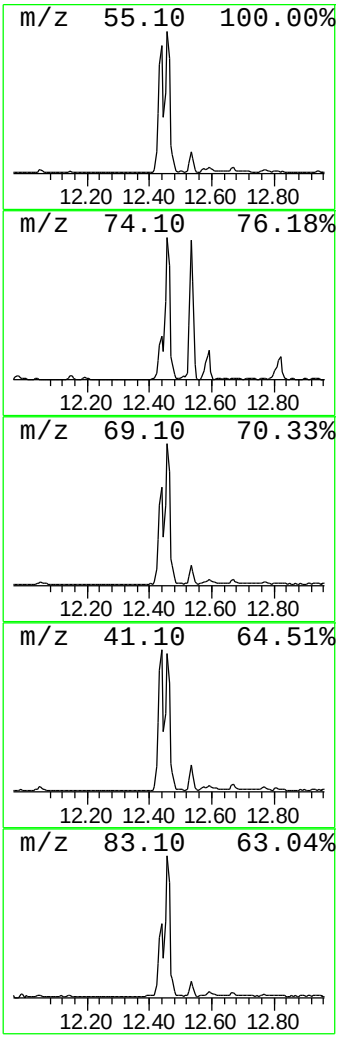
****

Peak Number 11 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	157.84 ng	6548210	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	93
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	93
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	93
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	93
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	90





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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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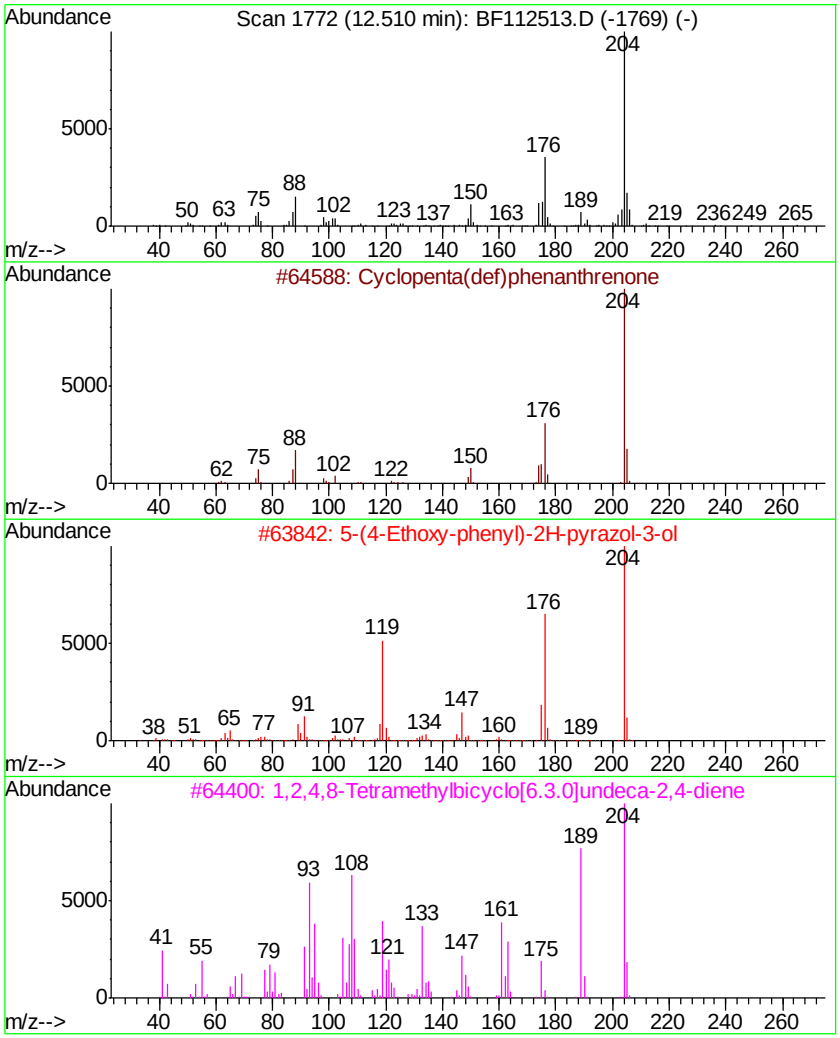
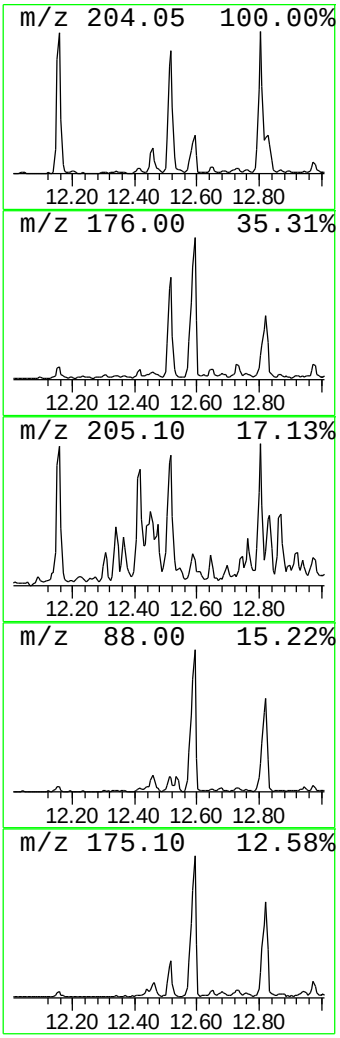
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	10.19 ng	422750	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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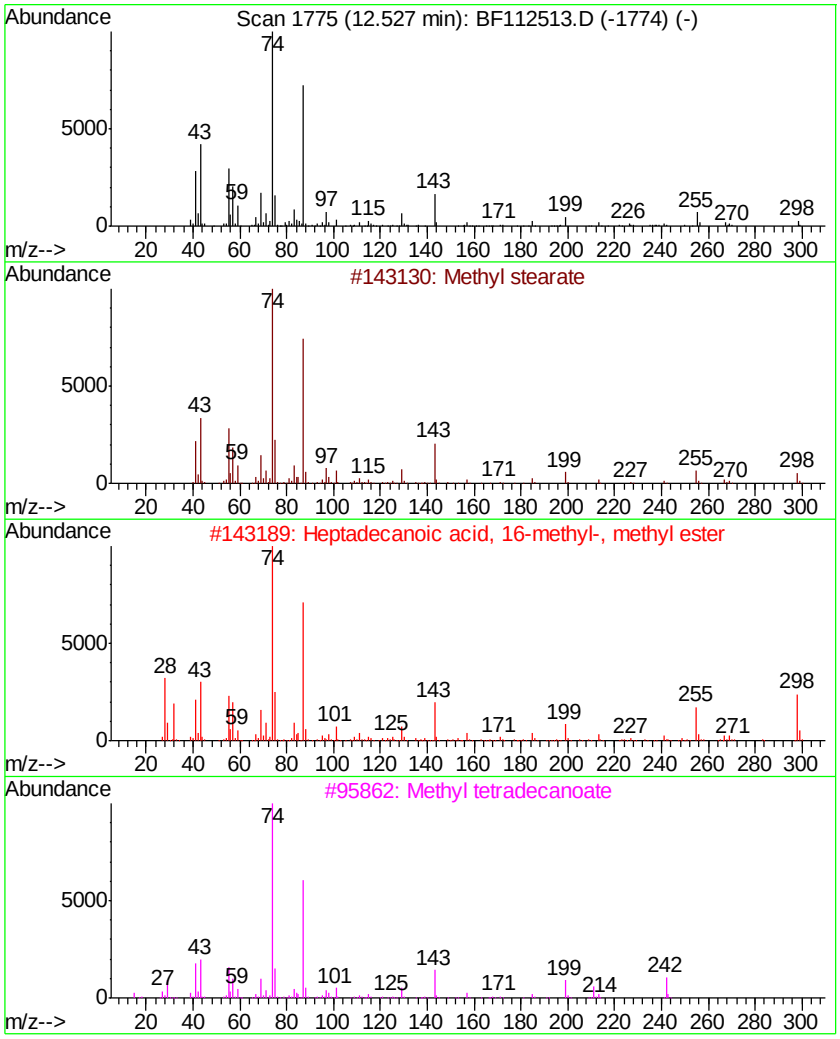
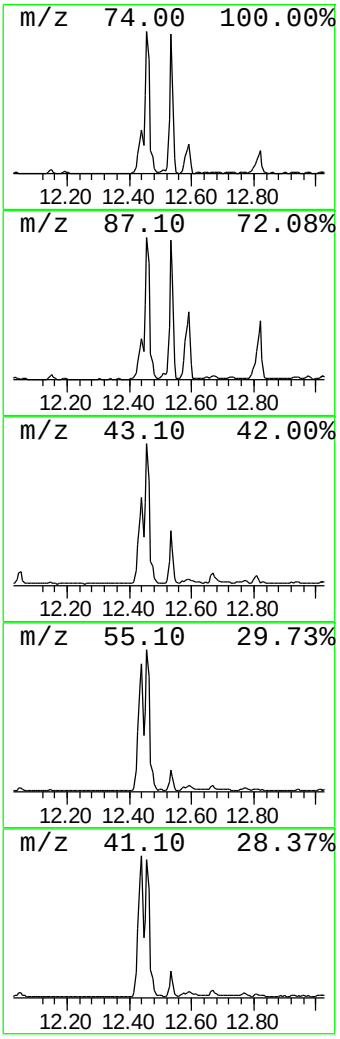
Peak Number 13 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	25.70 ng	1066070	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
4	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	80
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	80





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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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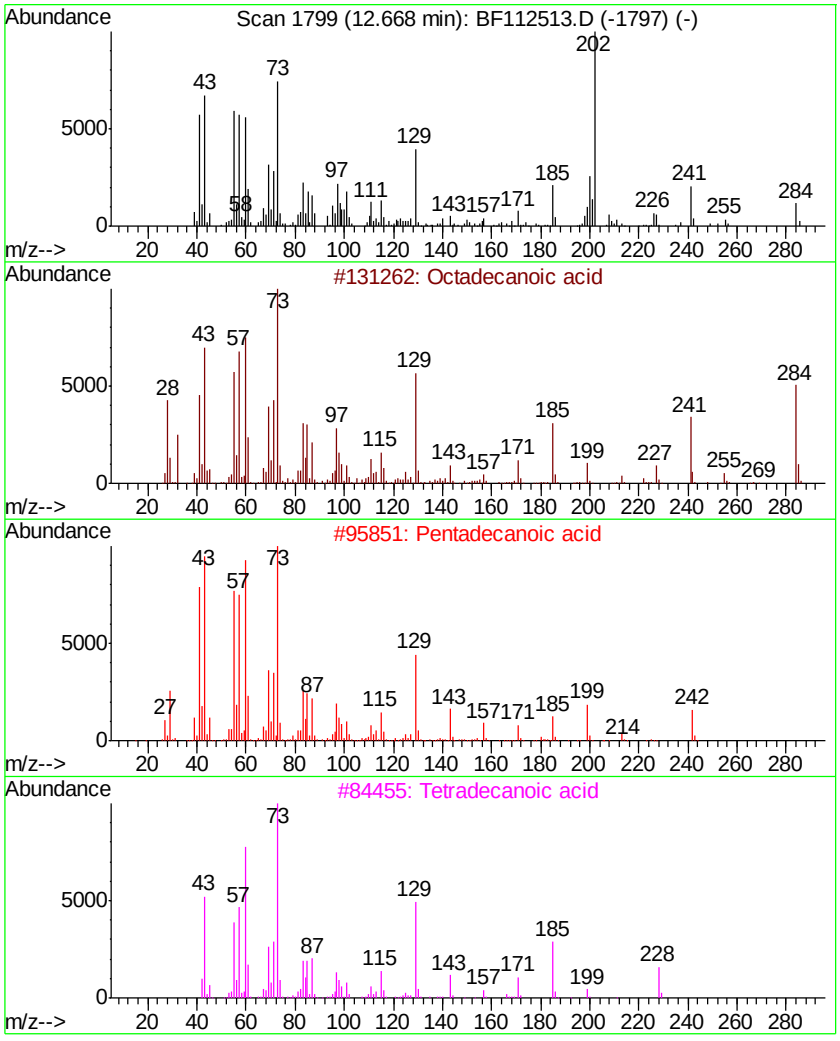
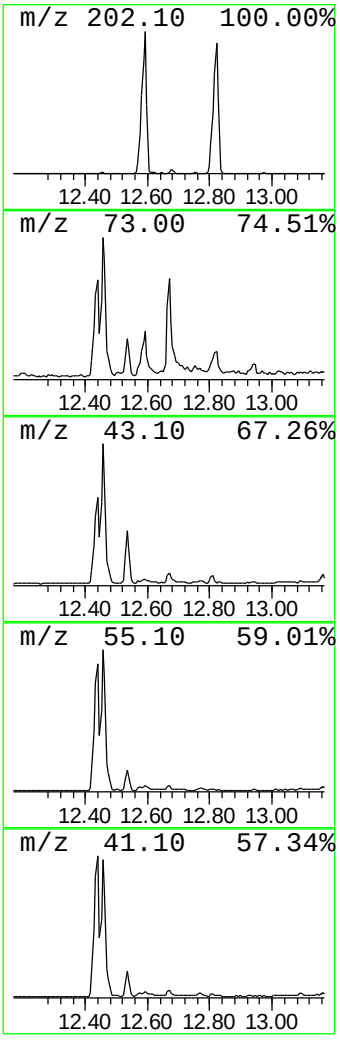
Peak Number 14 Octadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	7.71 ng	319697	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	38
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	25
5	Undecanoic acid	186	C11H22O2	000112-37-8	25





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TIC Integration Parameters: LSCINT.P

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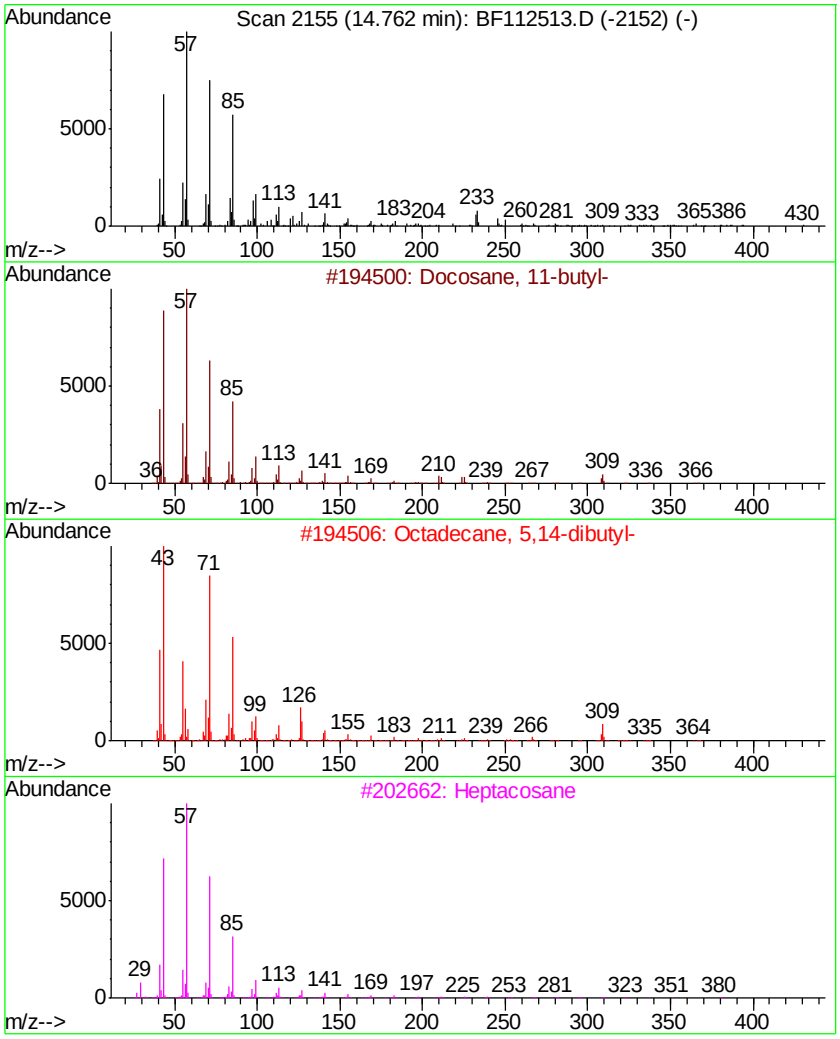
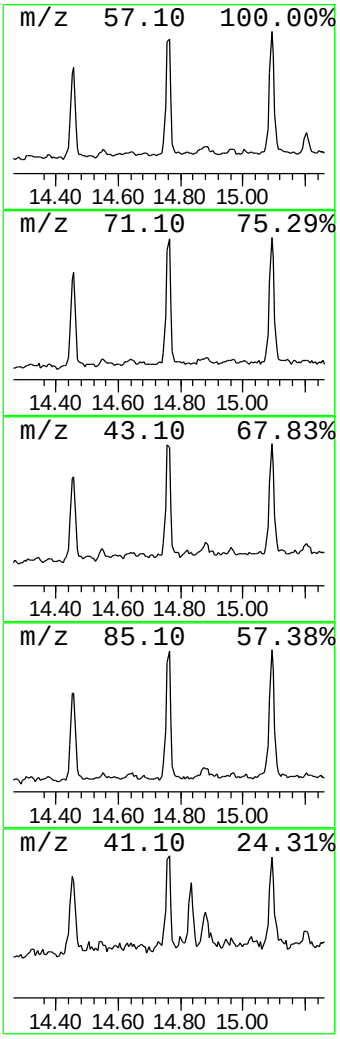
Peak Number 15 Docosane, 11-butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	12.53 ng	379073	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	97
2	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	95
3	Heptacosane	380	C27H56	000593-49-7	94
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
5	Hexadecane	226	C16H34	000544-76-3	90





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TIC Library : C:\DATABASE\NIST11.L
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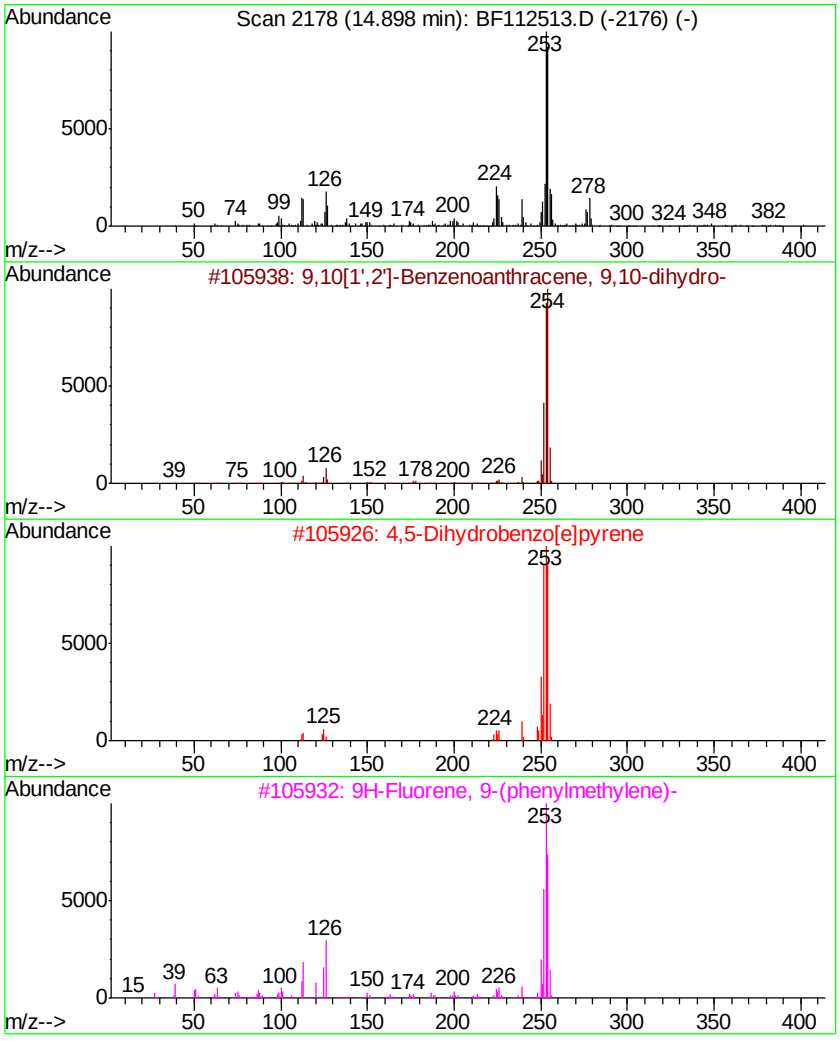
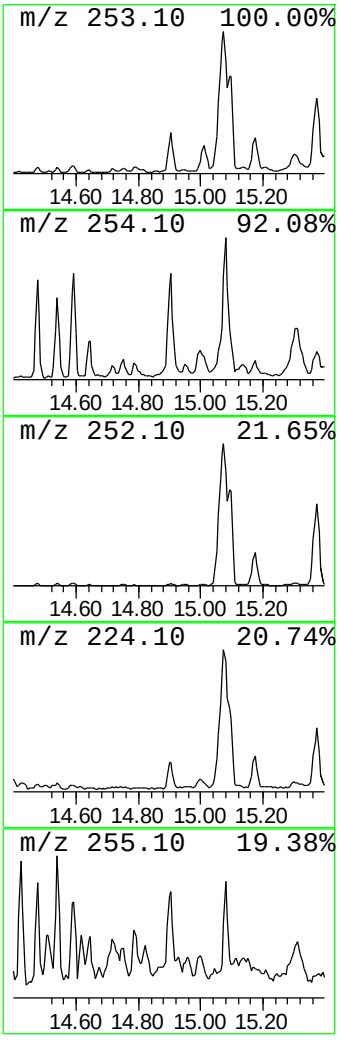
****
Peak Number 16 9,10[1',2']-Benzenoanthrace... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	10.34 ng	312940	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64
5	4,4'-Biazulenyl	254	C20H14	094053-54-0	59





Library Search Compound Report

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Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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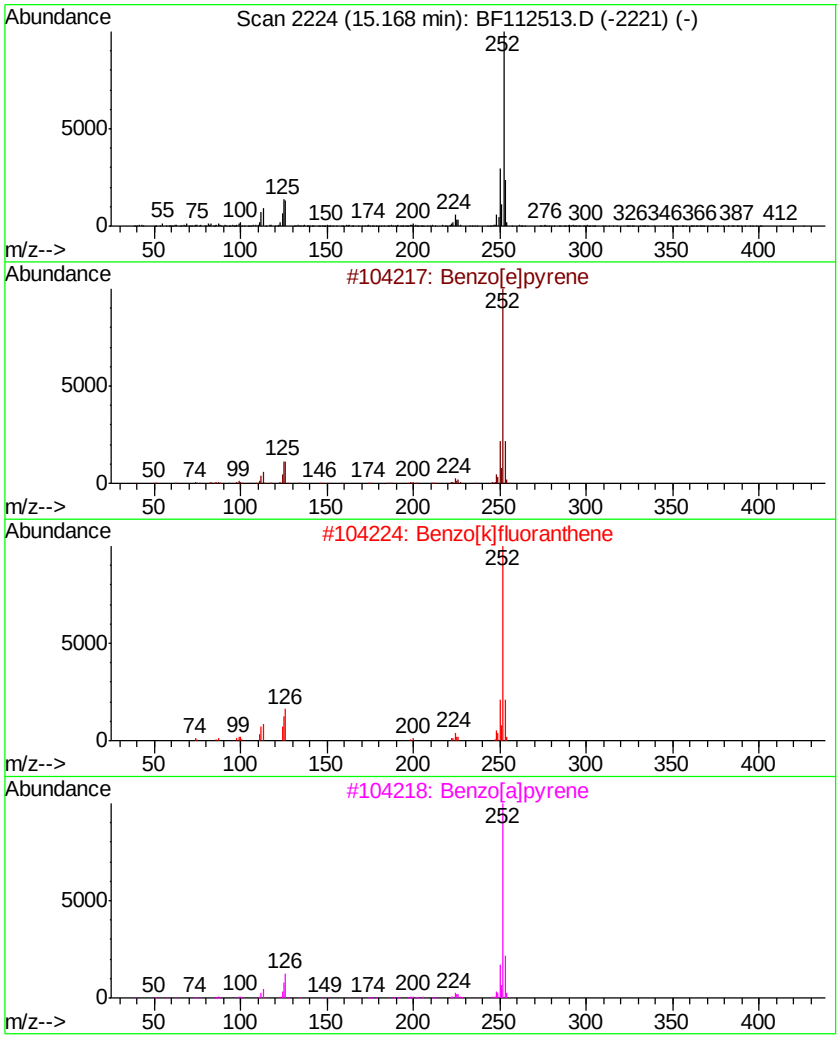
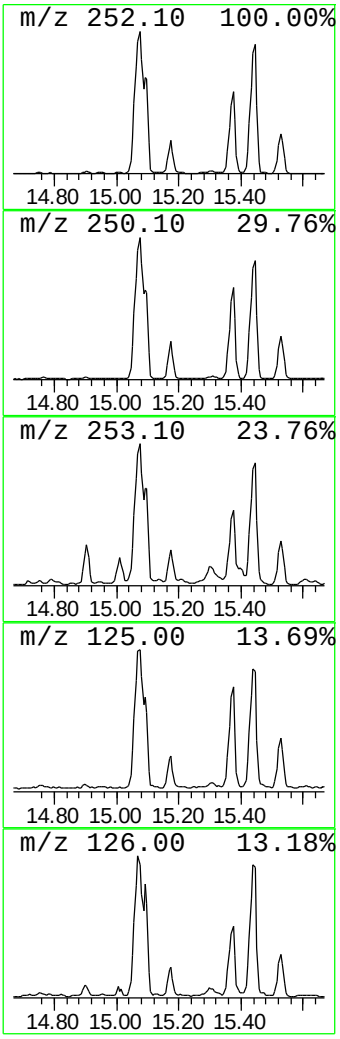
Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	23.53 ng	712124	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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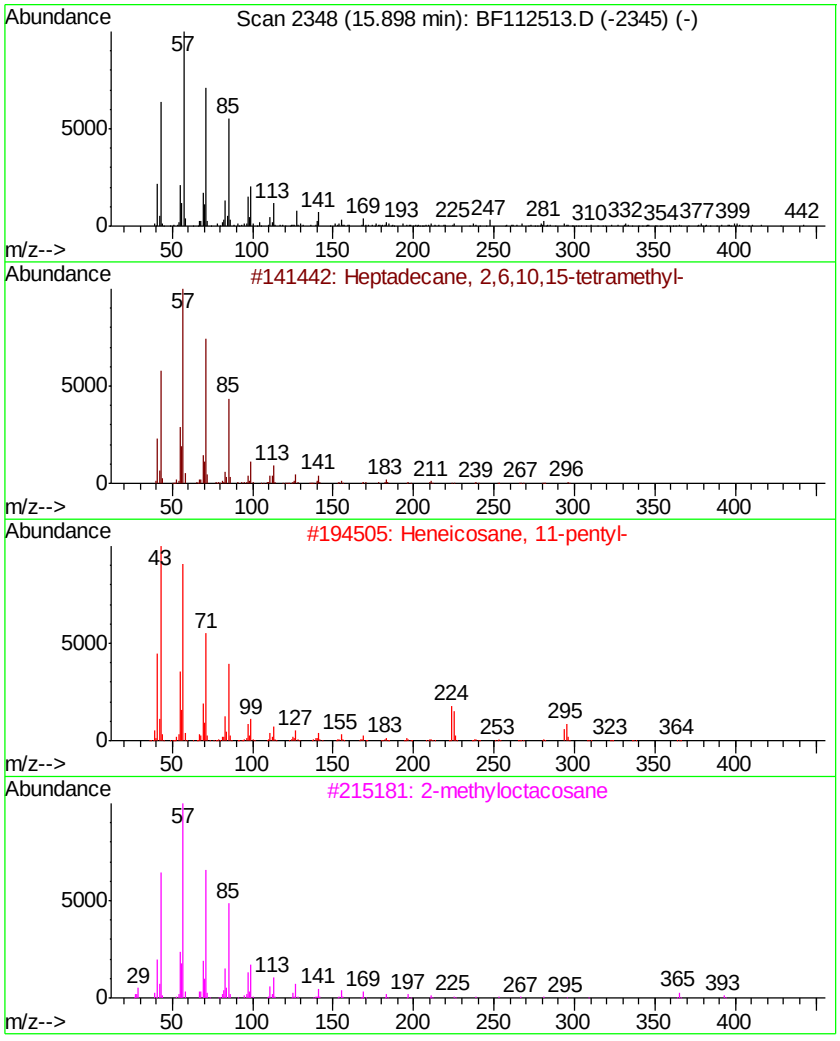
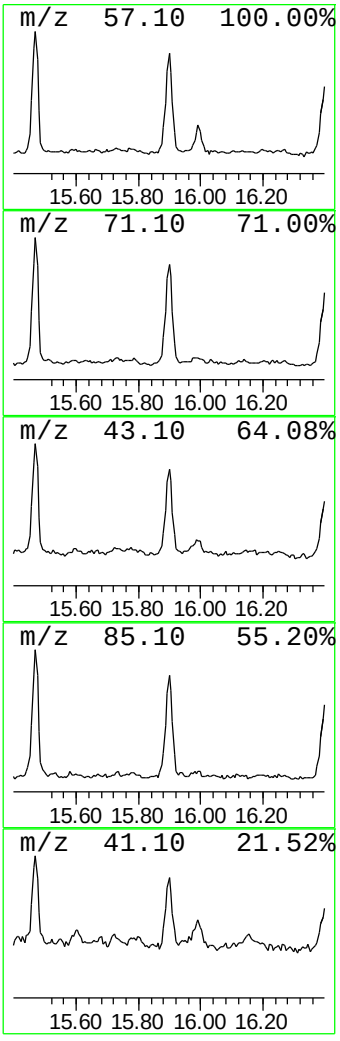
Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	8.94 ng	270659	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	87
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Tetracosane	338	C24H50	000646-31-1	86
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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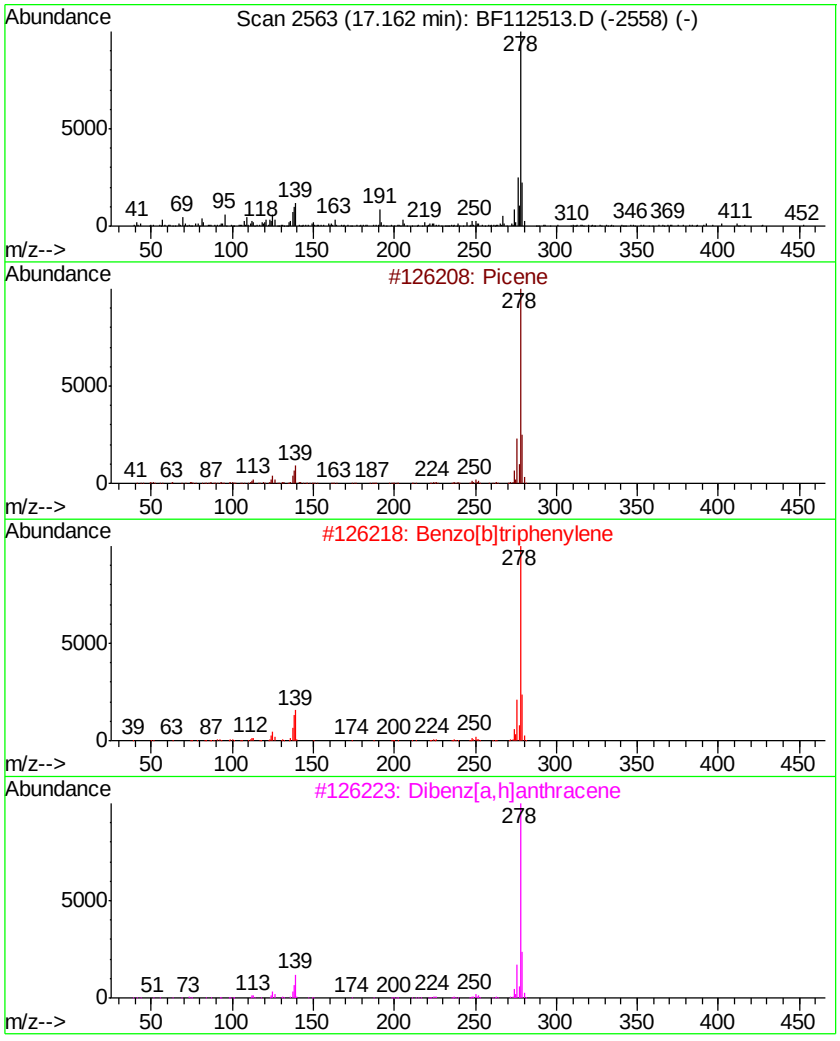
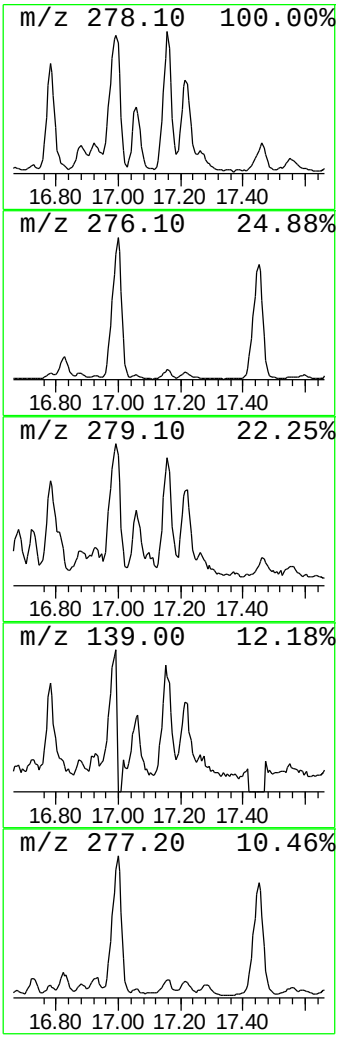
Peak Number 20 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	11.72 ng	354854	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
4	Pentacene	278	C22H14	000135-48-8	89
5	Pentaphene	278	C22H14	000222-93-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
Data File : BF112513.D
Acq On : 12 Feb 2019 16:14
Operator : JU/SJ
Sample : K1345-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-021119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
unknown6.61	6.61	74.5	ng	2690840	1	6.83	722541	20.0
Tridecane	10.76	10.3	ng	427808	4	11.36	829722	20.0
Dibenzothiophene	11.26	7.9	ng	328927	4	11.36	829722	20.0
Hexadecanoic acid...	11.75	62.9	ng	2611210	4	11.36	829722	20.0
Phenanthrene, 2-m...	11.86	11.8	ng	491350	4	11.36	829722	20.0
Anthracene, 2-met...	11.89	22.1	ng	917996	4	11.36	829722	20.0
4H-Cyclopenta[def...	11.97	30.5	ng	1264070	4	11.36	829722	20.0
Naphthalene, 2-ph...	12.16	9.5	ng	395736	4	11.36	829722	20.0
9,12-Octadecadien...	12.44	191.6	ng	7949290	4	11.36	829722	20.0
16-Octadecenoic a...	12.46	157.8	ng	6548210	4	11.36	829722	20.0
Cyclopenta(def)ph...	12.51	10.2	ng	422750	4	11.36	829722	20.0
Methyl stearate	12.53	25.7	ng	1066070	4	11.36	829722	20.0
Octadecanoic acid	12.67	7.7	ng	319697	4	11.36	829722	20.0
Docosane, 11-butyl-	14.76	12.5	ng	379073	6	15.50	605306	20.0
9,10[1',2']-Benze...	14.90	10.3	ng	312940	6	15.50	605306	20.0
Benzo[e]pyrene	15.17	23.5	ng	712124	6	15.50	605306	20.0
Heptadecane, 2,6,...	15.90	8.9	ng	270659	6	15.50	605306	20.0
Picene	17.16	11.7	ng	354854	6	15.50	605306	20.0