LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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-BF051019.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	5.475	572	576	591	rBV	1201832	1135622	21.47%	1.542%
2	6.487	744	748	765	rVB	1229115	1279054	24.18%	1.737%
3	6.622	767	771	779	rBV	1563983	1278686	24.17%	1.736%
4	6.851	806	810	818	rBV	1923010	1532711	28.97%	2.081%
5	7.004	833	836	847	rVB	1007232	947110	17.90%	1.286%
6	7.404	901	904	910	rBV	815985	763823	14.44%	1.037%
7	8.133	1024	1028	1030	rBV	2174648	1927486	36.43%	2.618%
8	8.151	1030	1031	1037	rVB	487224	330748	6.25%	0.449%
9	8.586	1102	1105	1112	rBV	126865	198842	3.76%	0.270%
10	8.775	1131	1137	1142	rVB2	61509	97591	1.84%	0.133%
11	8.845	1146	1149	1155	rVB	269782	224503	4.24%	0.305%
12	8.939	1162	1165	1173	rVB	165356	156431	2.96%	0.212%
13	9.204	1206	1210	1213	rBV	1466928	1187545	22.45%	1.613%
14	9.475	1249	1256	1259	rBV	77395	101409	1.92%	0.138%
15	9.545	1264	1268	1270	rVV	134249	131904	2.49%	0.179%
16	9.610	1274	1279	1285	rVB2	185328	279882	5.29%	0.380%
17	9.745	1298	1302	1307	rBV	742075	614321	11.61%	0.834%
18	9.886	1322	1326	1329	rVB	2162216	1870241	35.35%	2.540%
19	10.033	1347	1351	1356	rBV4	54519	90741	1.72%	0.123%
20	10.198	1375	1379	1382	rBV2	81448	110096	2.08%	0.150%
21	10.339	1400	1403	1405	rVB	117055	99377	1.88%	0.135%
22	10.427	1416	1418	1420	rBV2	77790	91977	1.74%	0.125%
23	10.539	1434	1437	1441	rVB2	80413	89702	1.70%	0.122%
24	10.669	1454	1459	1464	rBV	810327	736544	13.92%	1.000%
25	10.798	1476	1481	1486	rBV3	155235	191081	3.61%	0.259%
26	10.980	1507	1512	1514	rBV4	86671	116669	2.21%	0.158%
27	11.127	1535	1537	1541	rVV	129691	130012	2.46%	0.177%
28	11.174	1542	1545	1548	rVB	222307	184201	3.48%	0.250%
29	11.263	1558	1560	1566	rVB	235792	210155	3.97%	0.285%
30	11.369	1574	1578	1580	rBV	2133587	1864967	35.25%	2.533%
31	11.392	1580	1582	1588	rVV	2939936	2372951	44.85%	3.223%
32	11.445	1588	1591	1593	rVV	454140	366703	6.93%	0.498%
33	11.474	1593	1596	1600	rVB2	124287	132910	2.51%	0.180%
34	11.663	1622	1628	1631	rVB2	345529	345414	6.53%	0.469%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.698	1631	1634	1638	rBV	270326	245657	4.64%	0.334%
36	11.786	1646	1649	1652	rVB	134313	149997	2.84%	0.204%
37	11.827	1652	1656	1660	rBV2	116472	149501	2.83%	0.203%
38	11.869	1660	1663	1666	rBV	843108	835613	15.80%	1.135%
39	11.898	1666	1668	1674	rVB	1097577	885136	16.73%	1.202%
40	11.945	1674	1676	1679	rBV	160075	120913	2.29%	0.164%
41	11.980	1679	1682	1684	rBV2	1196846	1155392	21.84%	1.569%
42	12.004	1684	1686	1691	rVB	803786	665431	12.58%	0.904%
43	12.057	1691	1695	1696	rBV2	84423	96291	1.82%	0.131%
44	12.104	1700	1703	1705	rVB2	129542	103485	1.96%	0.141%
45	12.163	1710	1713	1715	rVV	842401	727871	13.76%	0.988%
46	12.192	1715	1718	1724	rVB2	748389	784317	14.83%	1.065%
47	12.298	1733	1736	1737	rBV	122319	116597	2.20%	0.158%
48	12.316	1737	1739	1742	rVV2	196124	183684	3.47%	0.249%
49	12.345	1742	1744	1746	rVV	207853	148542	2.81%	0.202%
50	12.368	1746	1748	1751	rVB2	148733	127321	2.41%	0.173%
51	12.421	1753	1757	1760	rBV3	706979	843055	15.94%	1.145%
52	12.457	1760	1763	1765	rVV2	299023	289947	5.48%	0.394%
53	12.474	1765	1766	1769	rVB	213445	159813	3.02%	0.217%
54	12.510	1769	1772	1776	rBV2	584294	681886	12.89%	0.926%
55	12.586	1779	1785	1788	rBV	3342647	3099086	58.58%	4.209%
56	12.627	1788	1792	1794	rBV	198663	207767	3.93%	0.282%
57	12.645	1794	1795	1798	rVB2	138466	102440	1.94%	0.139%
58	12.674	1798	1800	1803	rVB	661506	566740	10.71%	0.770%
59	12.710	1803	1806	1808	rBV2	275079	256923	4.86%	0.349%
60	12.751	1811	1813	1818	rVB	186614	188941	3.57%	0.257%
61	12.816	1818	1824	1829	rVB	5618058	5290322	100.00%	7.184%
62	12.868	1829	1833	1836	rVB2	220482	258355	4.88%	0.351%
63	12.945	1844	1846	1856	rVB	958831	1082706	20.47%	1.470%
64	13.027	1856	1860	1867	rBV2	604120	920532	17.40%	1.250%
65	13.086	1867	1870	1872	rBV2	151254	139652	2.64%	0.190%
66	13.115	1872	1875	1877	rBV3	574776	741256	14.01%	1.007%
67	13.180	1883	1886	1888	rBV4	125216	137042	2.59%	0.186%
68	13.204	1888	1890	1894	rVV	307248	297377	5.62%	0.404%
69	13.245	1894	1897	1900	rVV	998518	879265	16.62%	1.194%
70	13.310	1904	1908	1909	rBV3	148246	168008	3.18%	0.228%
71	13.333	1909	1912	1915	rVV	884928	785842	14.85%	1.067%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.368	1915	1918	1921	rVB	691130	663690	12.55%	0.901%
73	13.457	1930	1933	1935	rVB3	161599	150342	2.84%	0.204%
74	13.645	1962	1965	1969	rVB	593791	583332	11.03%	0.792%
75	13.710	1974	1976	1978	rVB	112531	90223	1.71%	0.123%
76	13.757	1978	1984	1986	rBV2	602812	821289	15.52%	1.115%
77	13.786	1986	1989	1991	rVV	694095	623145	11.78%	0.846%
78	13.810	1991	1993	1996	rVV	559753	475763	8.99%	0.646%
79	13.851	1996	2000	2005	rVB2	507776	636295	12.03%	0.864%
80	14.004	2021	2026	2029	rBV2	2918171	4414387	83.44%	5.995%
81	14.033	2029	2031	2036	rVV	2453083	2596315	49.08%	3.526%
82	14.098	2039	2042	2046	rVV3	161207	218224	4.12%	0.296%
83	14.133	2046	2048	2049	rVV2	198631	177801	3.36%	0.241%
84	14.157	2049	2052	2060	rVB	876715	1160280	21.93%	1.576%
85	14.262	2068	2070	2073	rBV2	183978	174779	3.30%	0.237%
86	14.362	2084	2087	2089	rBV	219671	242626	4.59%	0.329%
87	14.398	2089	2093	2096	rVV	777831	920733	17.40%	1.250%
88	14.433	2096	2099	2103	rVV2	545709	674523	12.75%	0.916%
89	14.480	2103	2107	2111	rVV3	575310	900298	17.02%	1.223%
90	14.521	2112	2114	2116	rVV2	495764	512964	9.70%	0.697%
91	14.545	2116	2118	2121	rVV2	512063	479888	9.07%	0.652%
92	14.592	2124	2126	2130	rVB	338301	320922	6.07%	0.436%
93	14.821	2162	2165	2168	rVB2	267238	278038	5.26%	0.378%
94	15.057	2200	2205	2212	rBV	1696230	3246803	61.37%	4.409%
95	15.162	2220	2223	2227	rVB	393662	446083	8.43%	0.606%
96	15.357	2251	2256	2262	rVB	1480601	1908201	36.07%	2.591%
97	15.421	2262	2267	2271	rBV	1728522	2071994	39.17%	2.814%
98	15.480	2272	2277	2280	rBV	1320264	1731046	32.72%	2.351%
99	16.945	2520	2526	2534	rVB	620164	1222752	23.11%	1.661%
100	17.386	2596	2601	2611	rVB	553486	1109267	20.97%	1.506%

Sum of corrected areas: 73636115

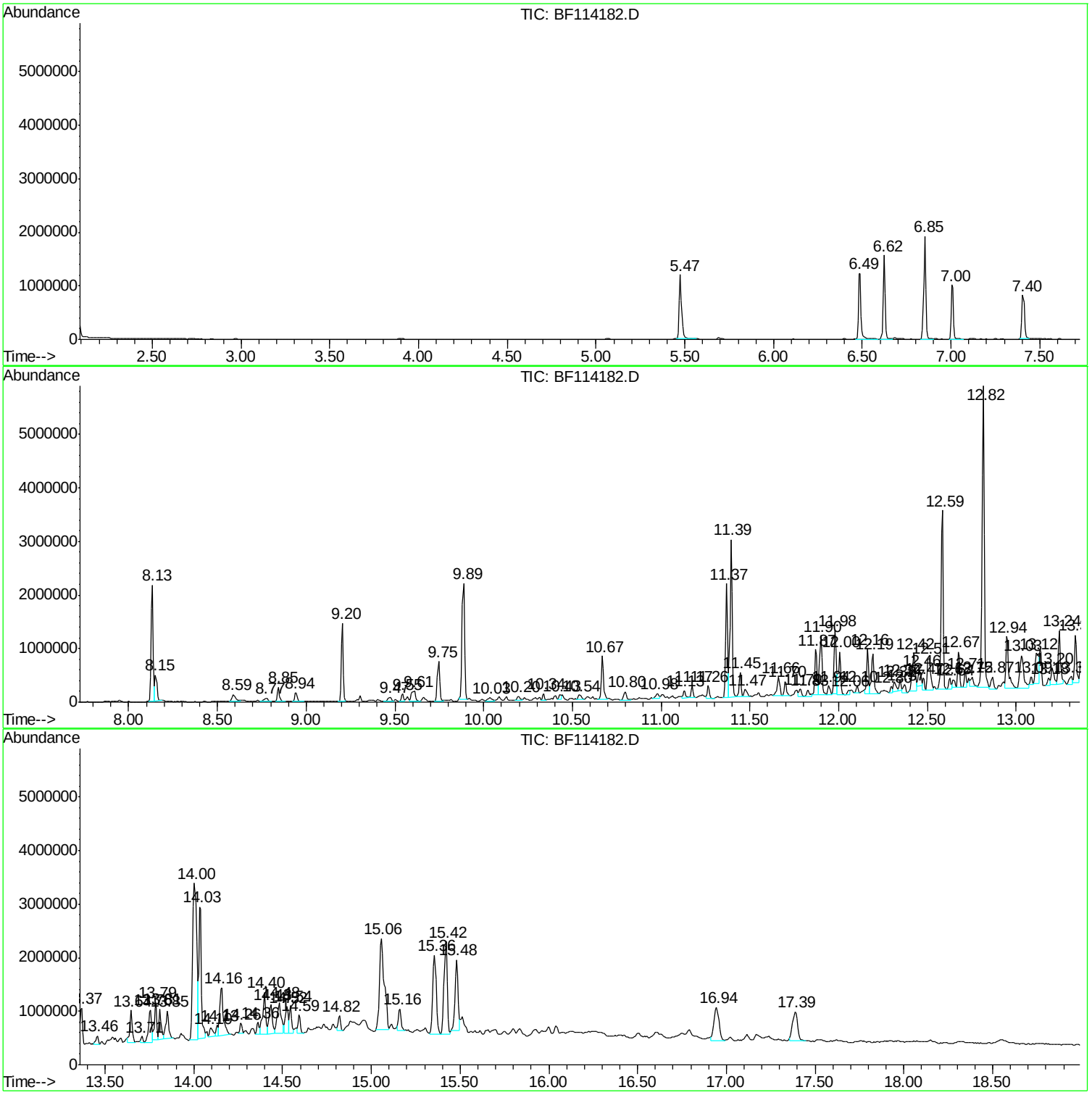
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

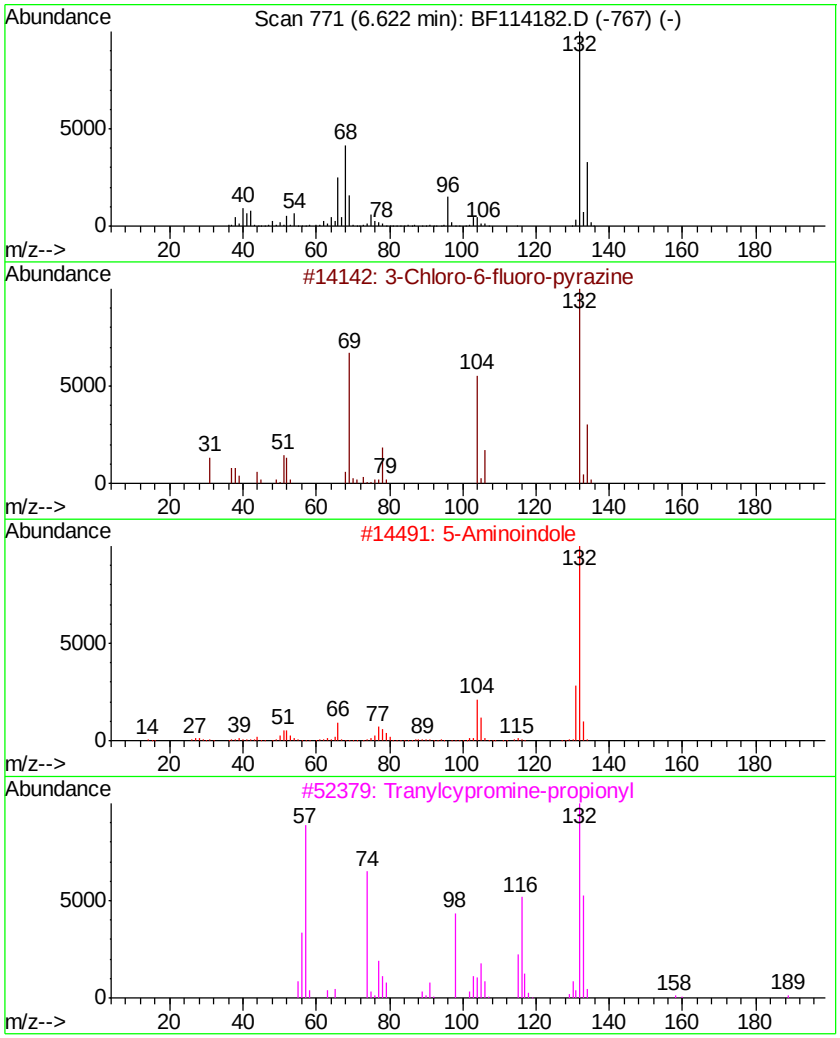
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

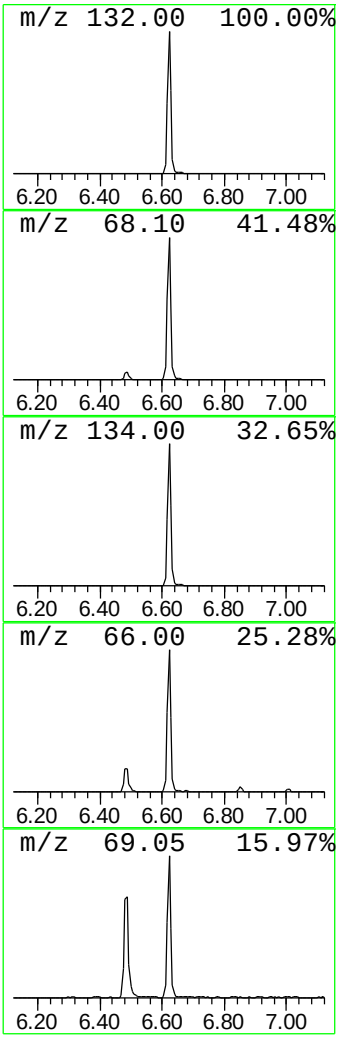
****

Peak Number 1 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	16.69 ng	1278690	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

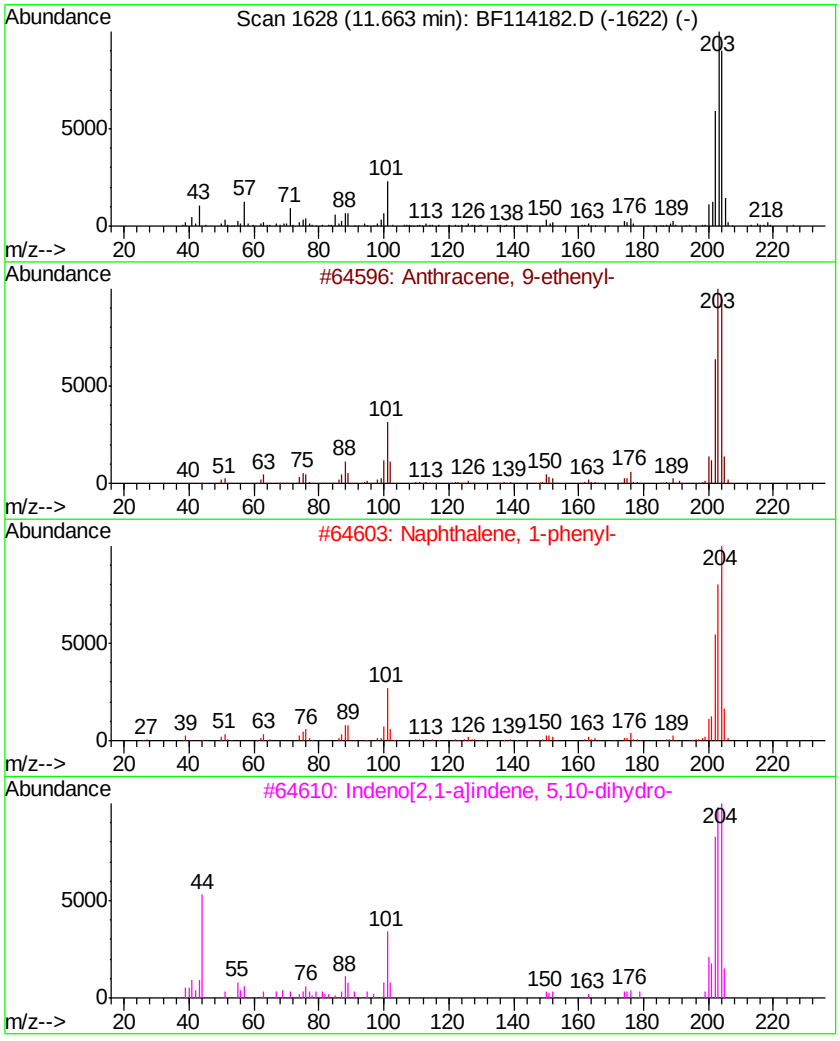
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

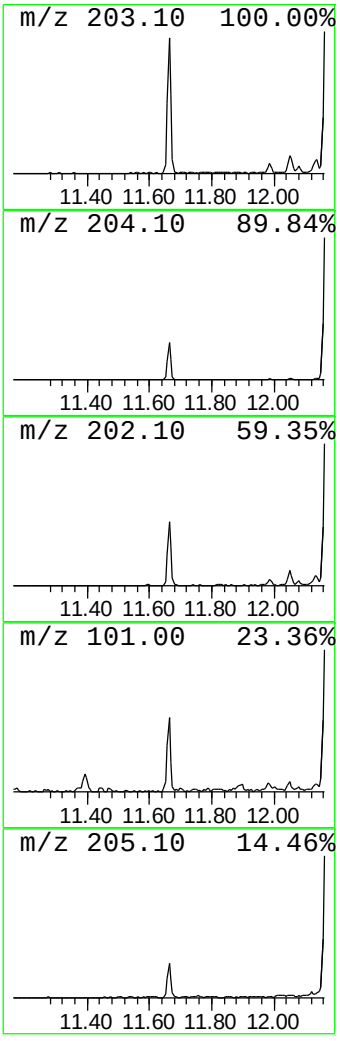
****

Peak Number 3 Anthracene, 9-ethenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.70 ng	345414	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	90
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	89
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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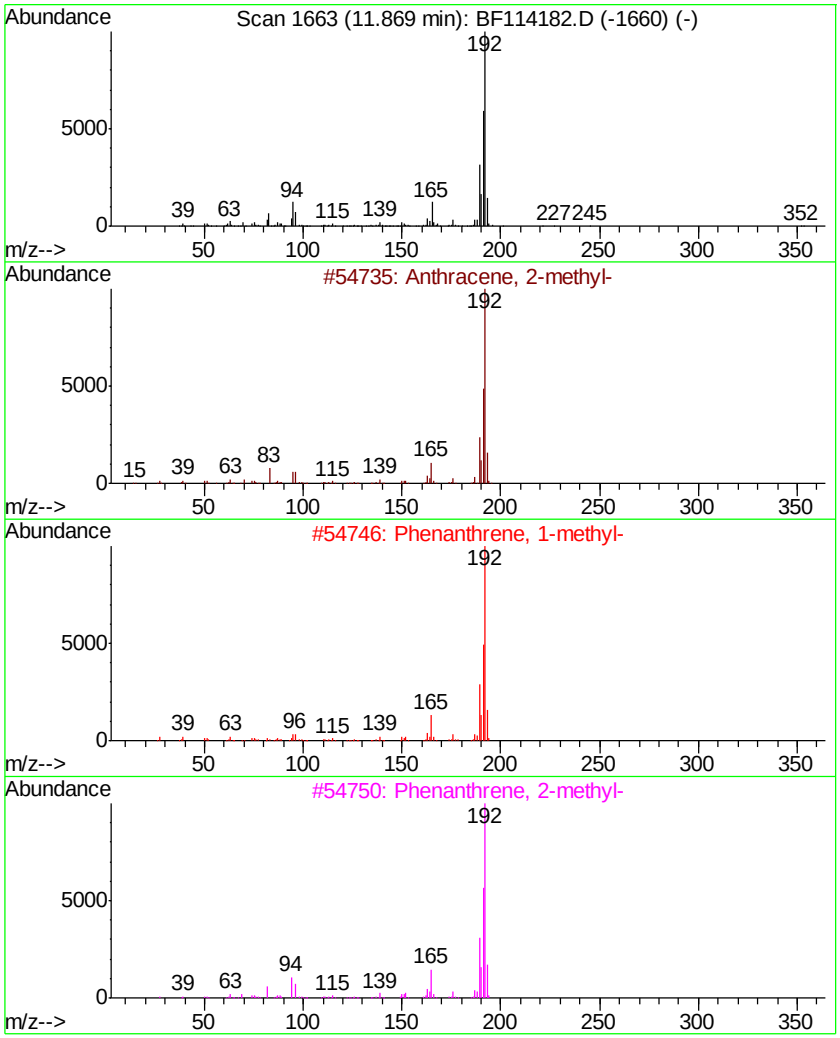
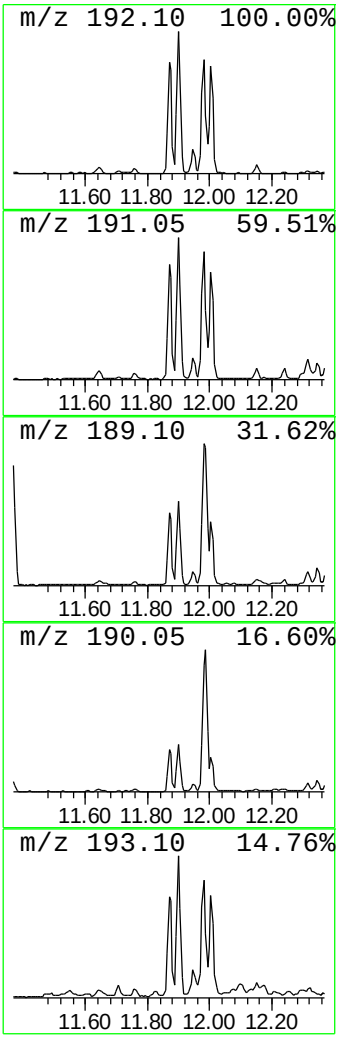
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.96 ng	835613	Phenanthrene-d10	11.37

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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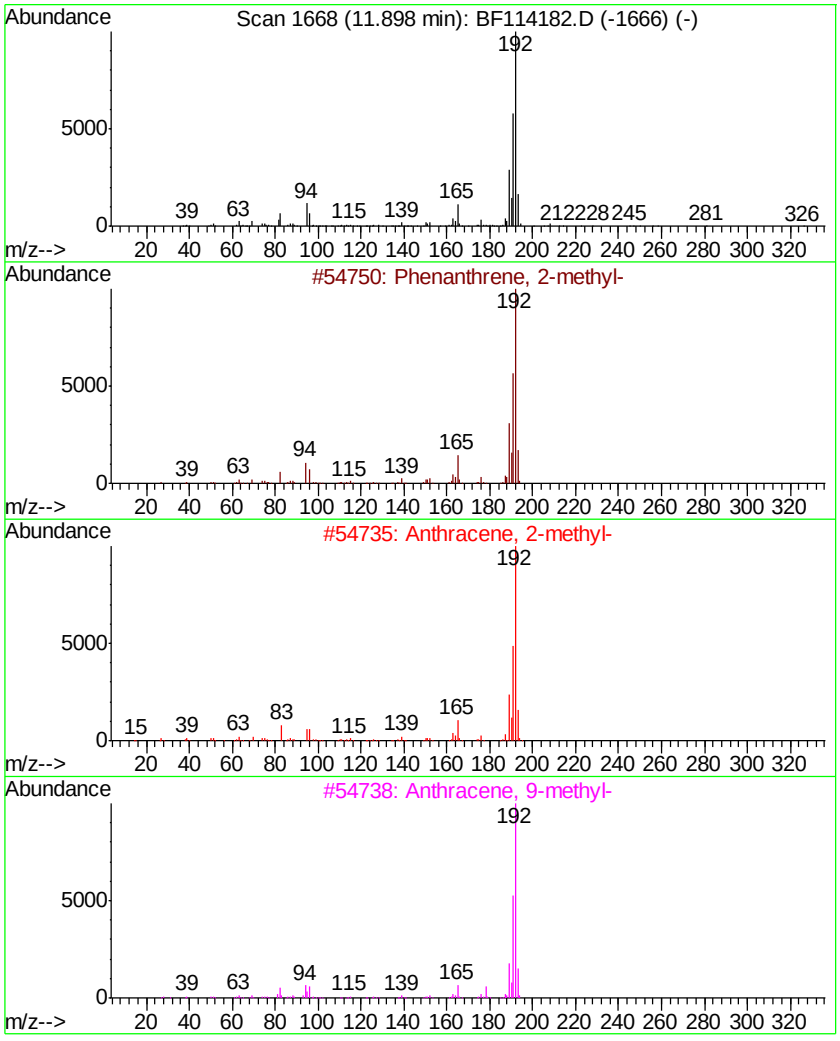
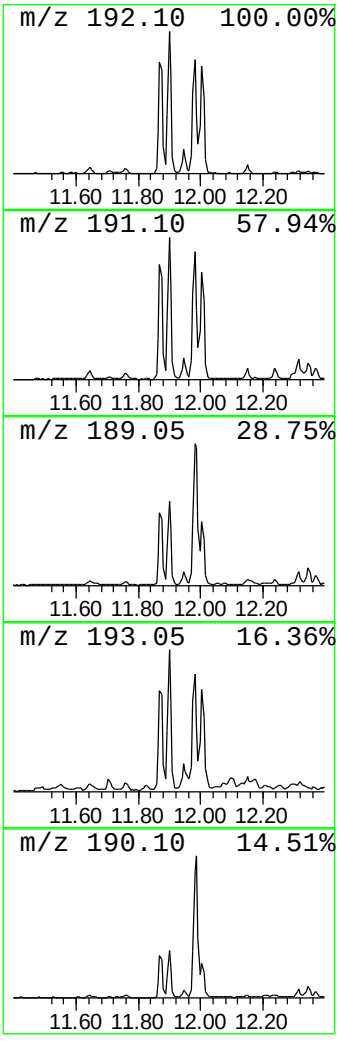
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	9.49 ng	885136	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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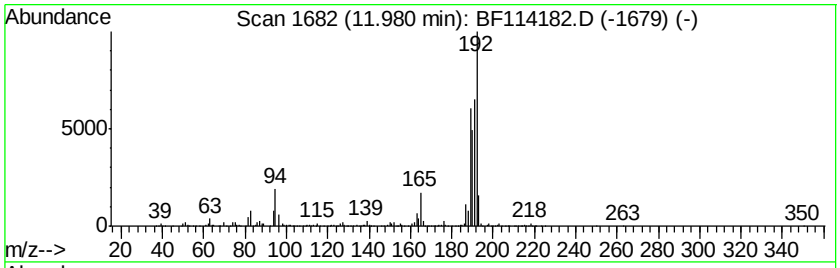
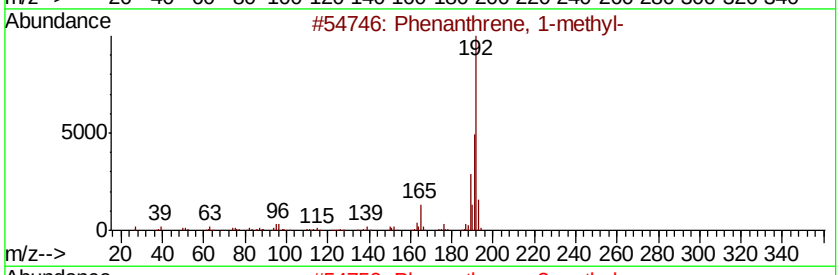
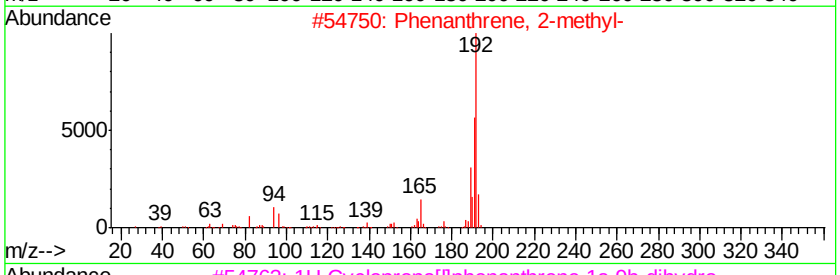
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

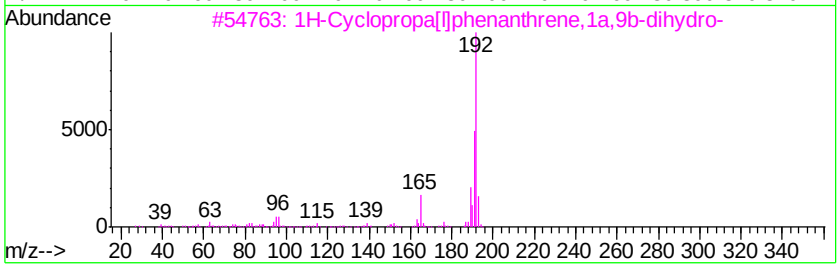
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	12.39 ng	1155390	Phenanthrene-d10	11.37

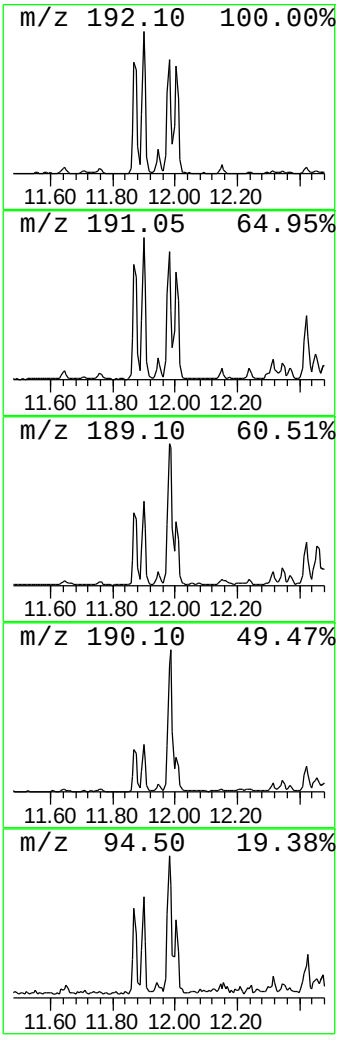
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89











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Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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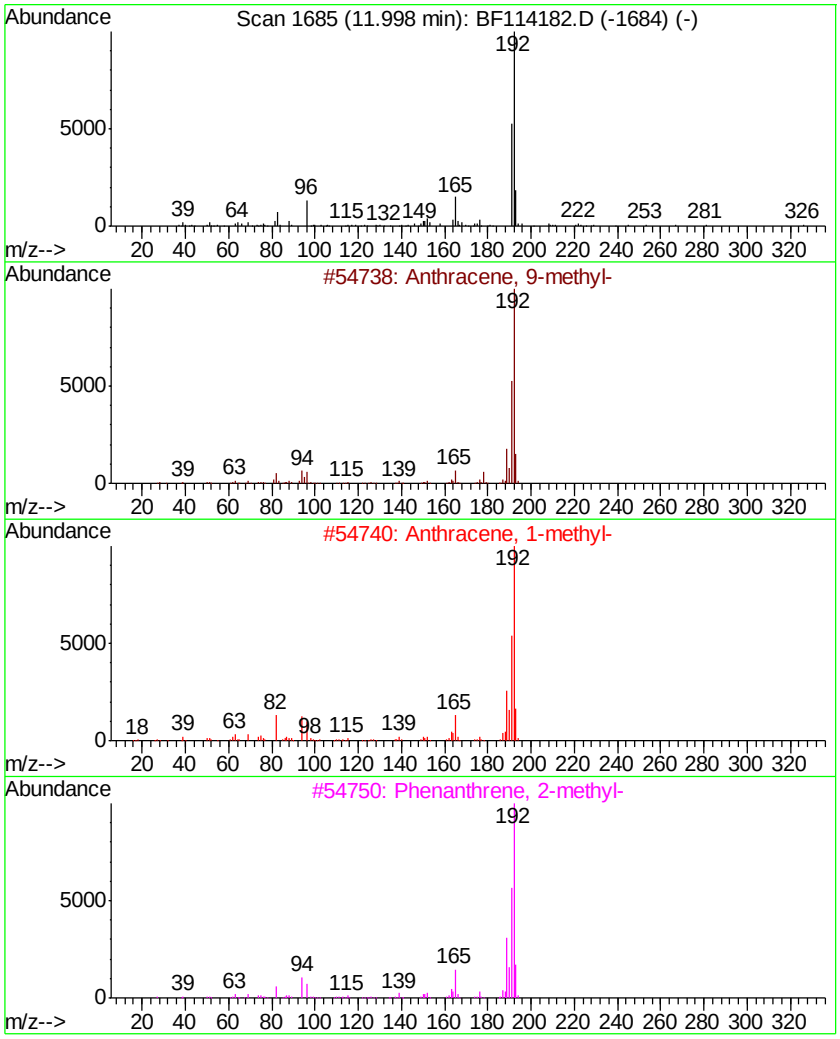
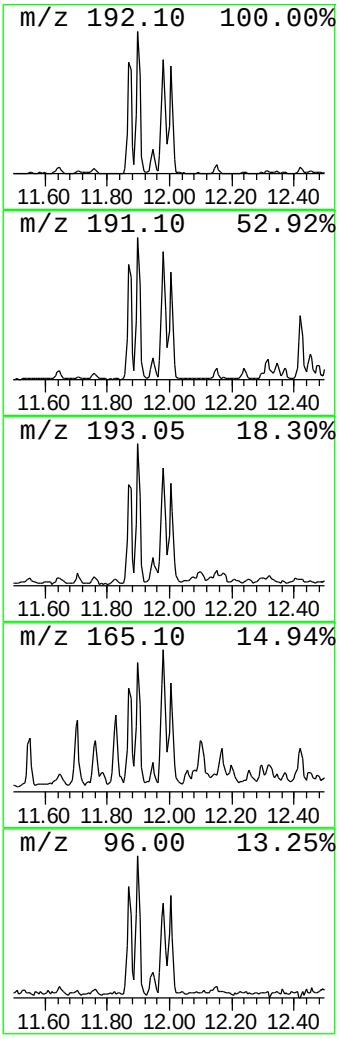
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.14 ng	665431	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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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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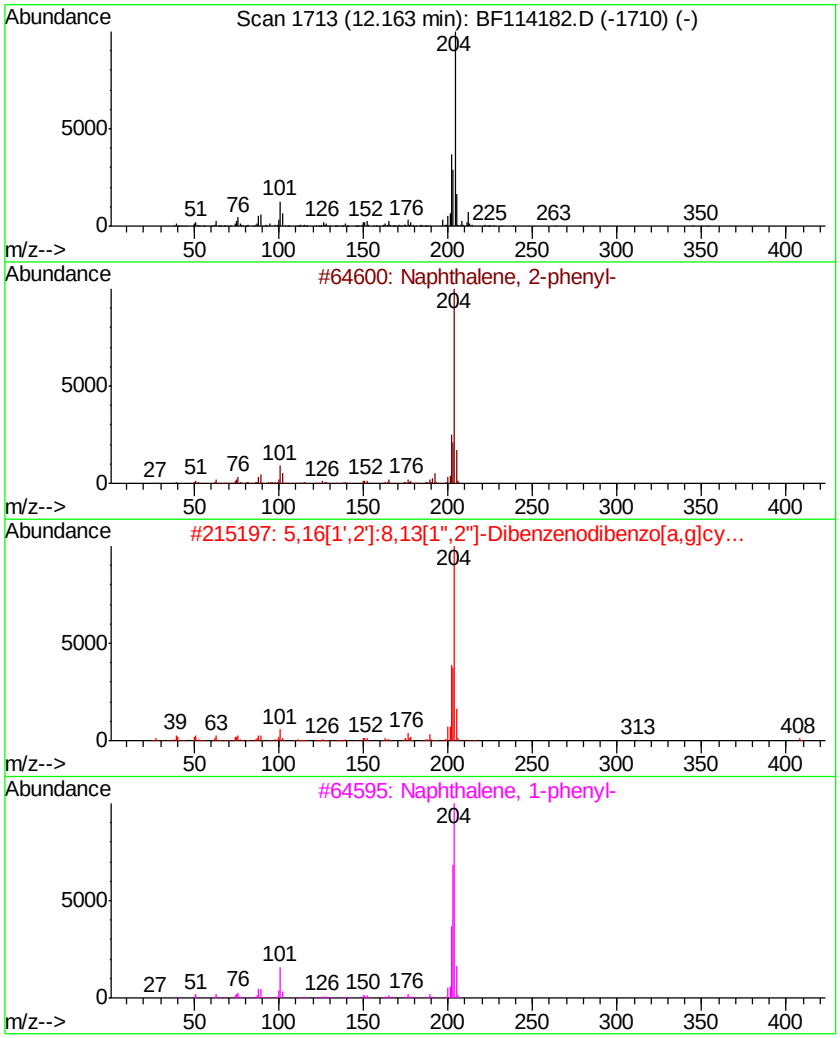
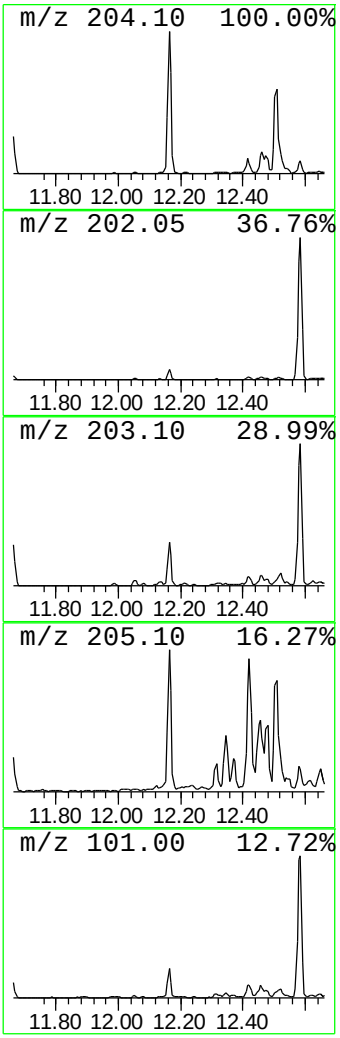
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	7.81 ng	727871	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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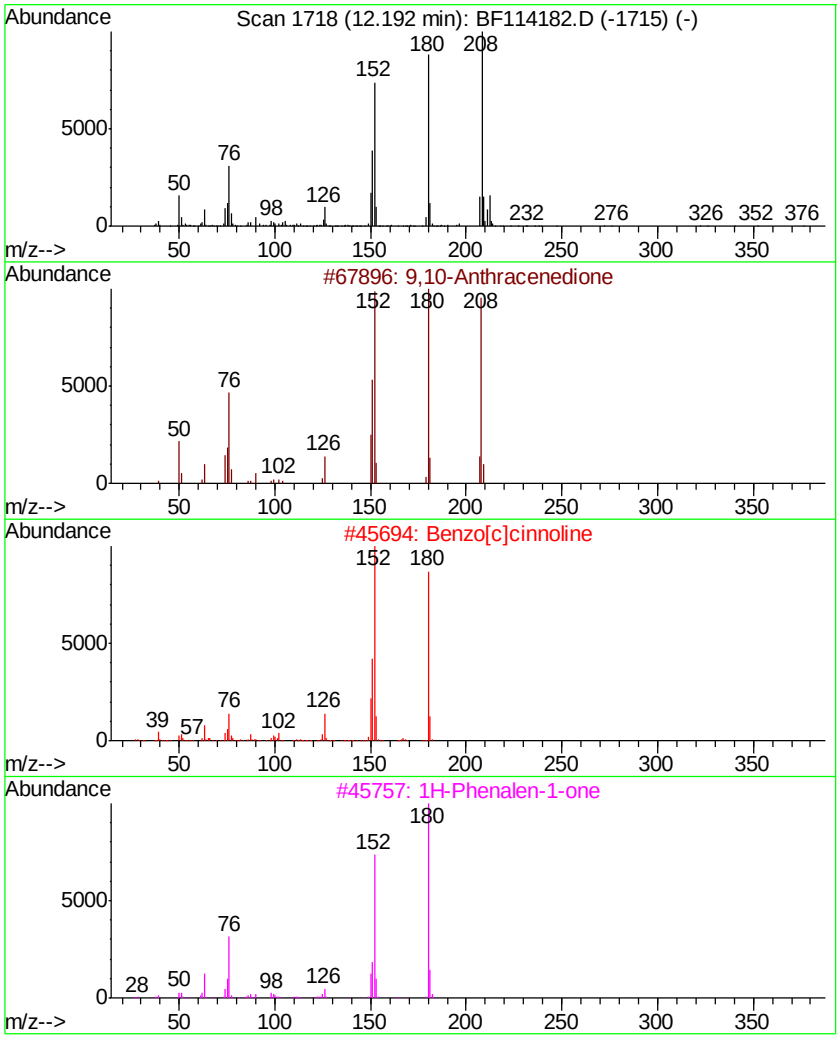
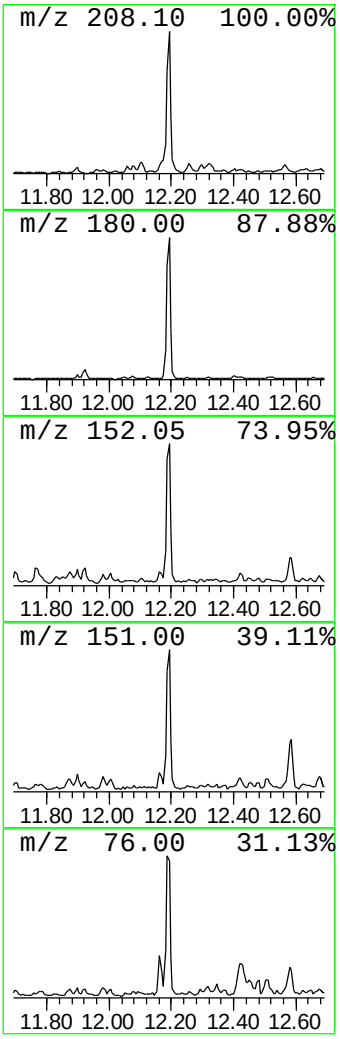
Peak Number 9 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	8.41 ng	784317	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52





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Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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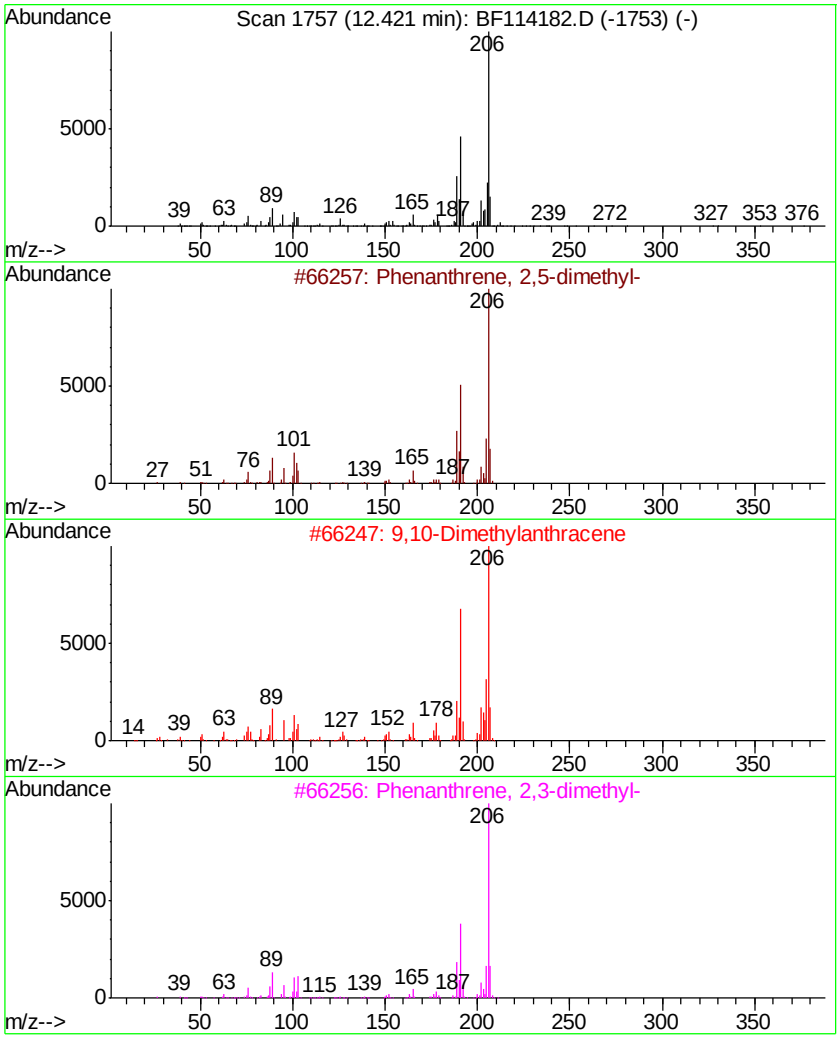
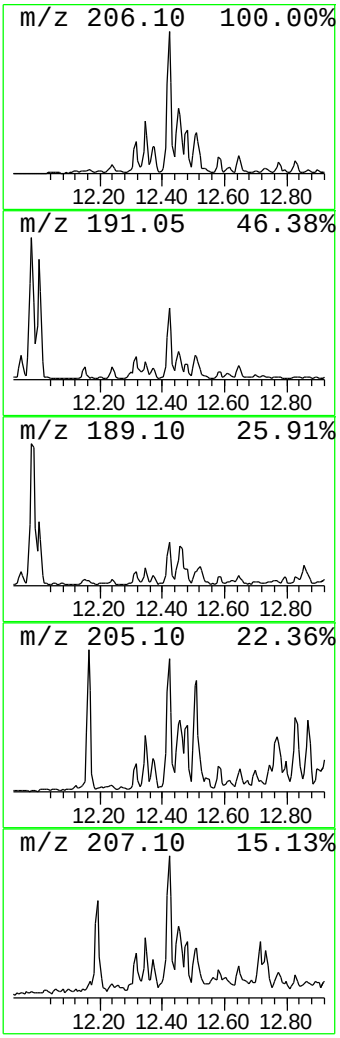
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	9.04 ng	843055	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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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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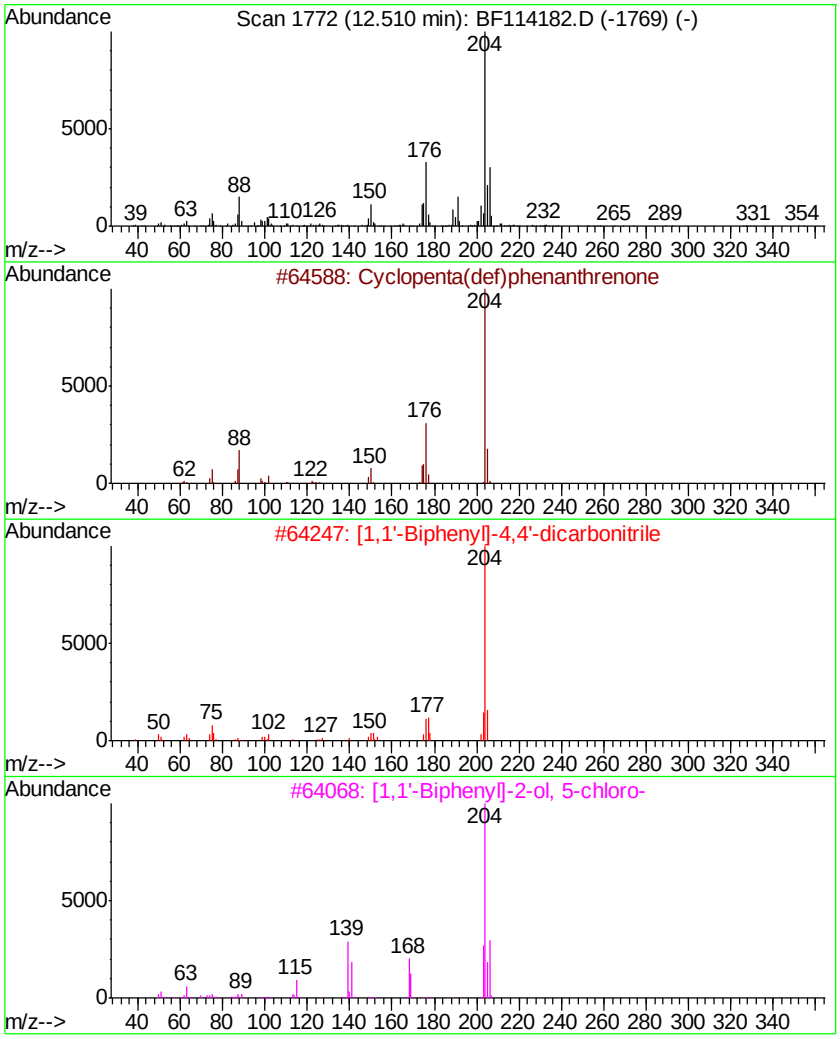
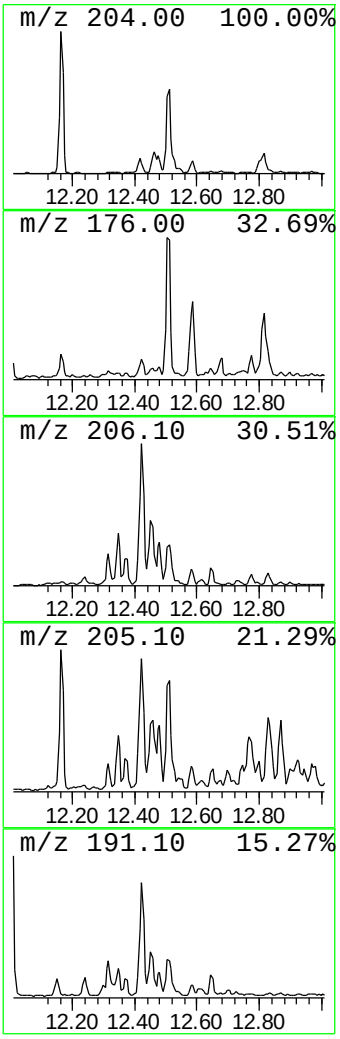
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	7.31 ng	681886	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





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TIC Integration Parameters: LSCINT.P

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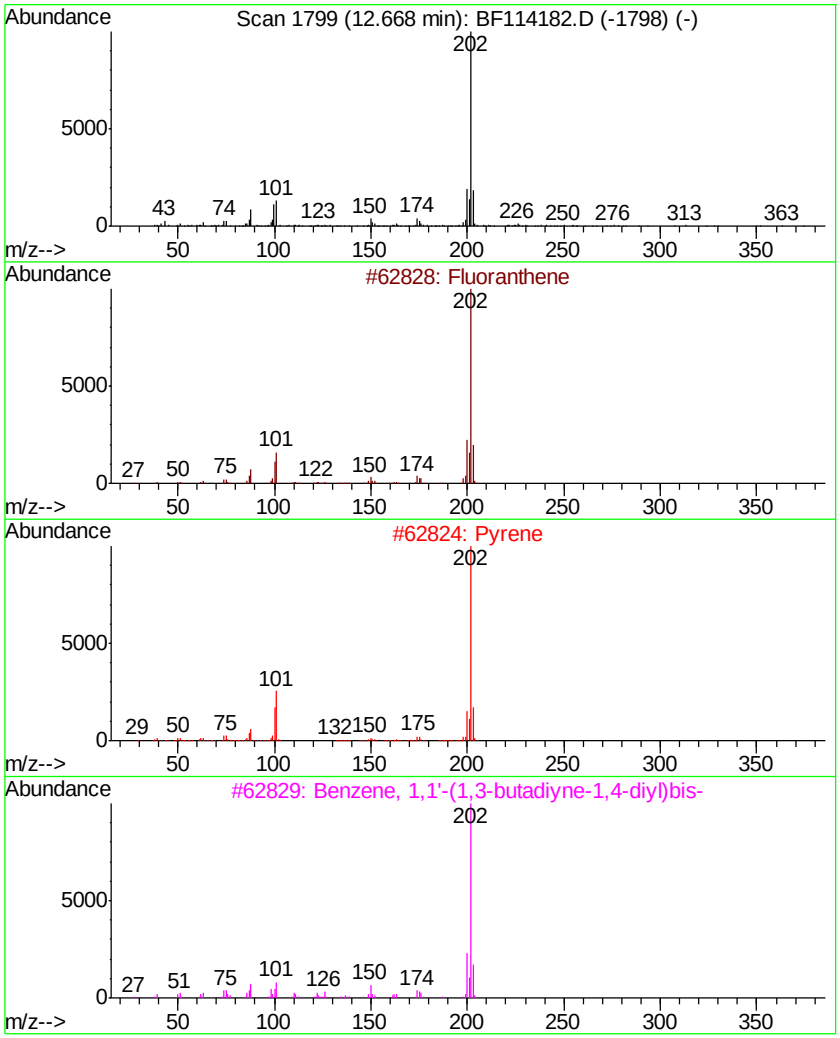
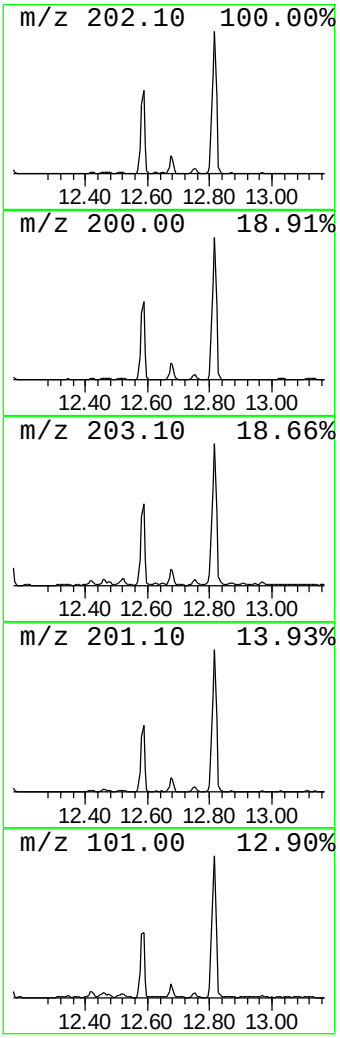
Peak Number 12 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	6.08 ng	566740	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	98
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
4	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	40
5	7H-Furo[3,2-g][1]benzopyran-7-on...	202	C11H6O4	002009-24-7	38





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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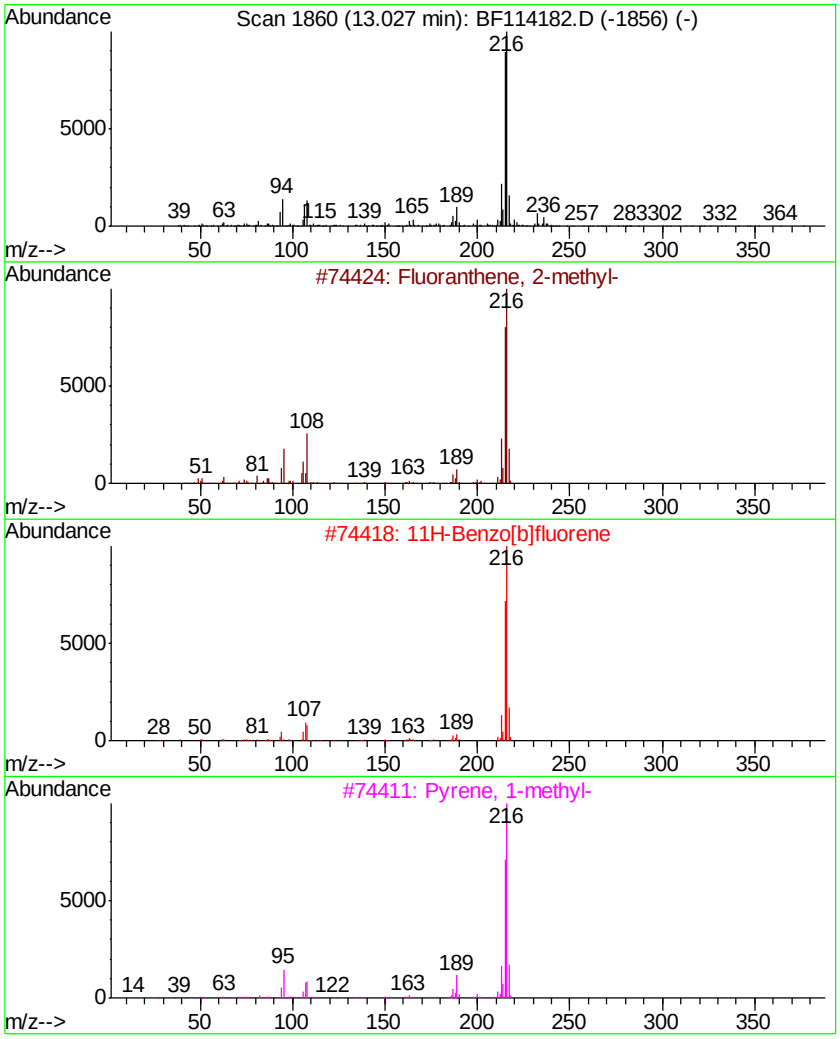
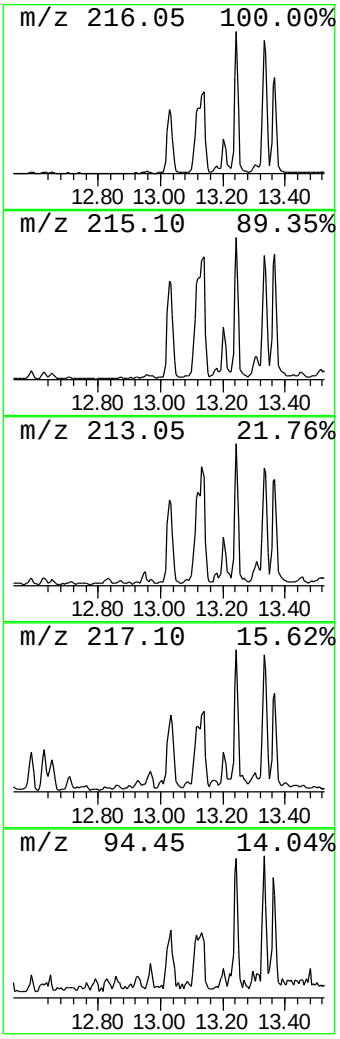
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.17 ng	920532	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

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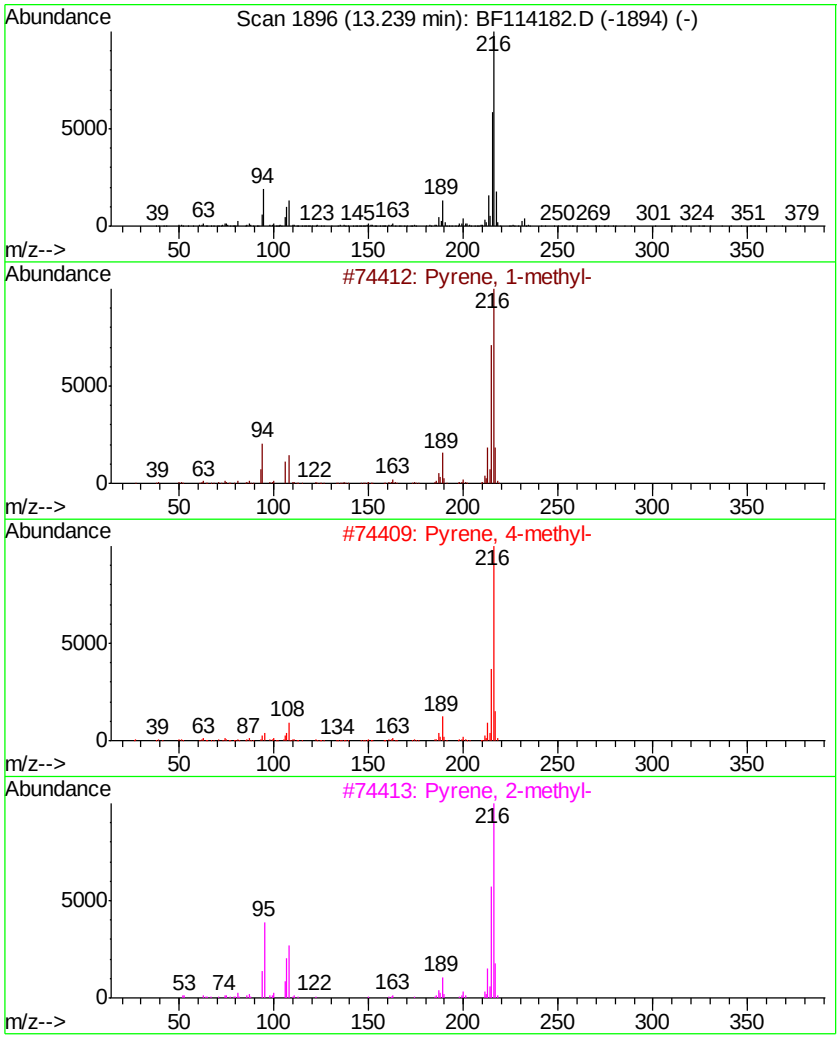
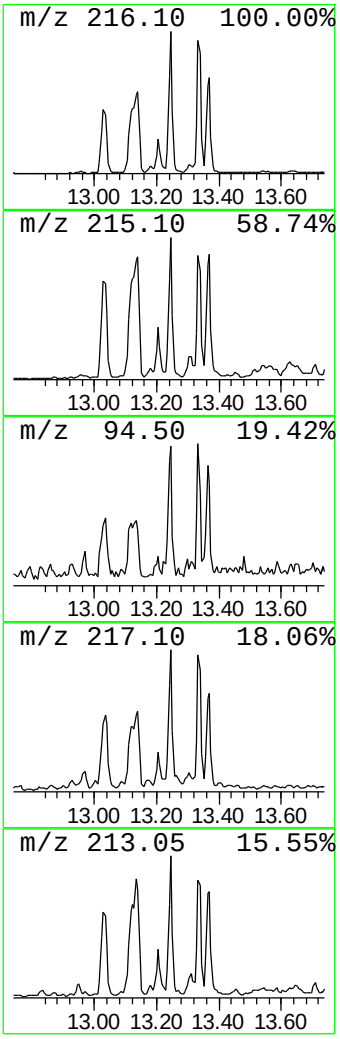
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	3.98 ng	879265	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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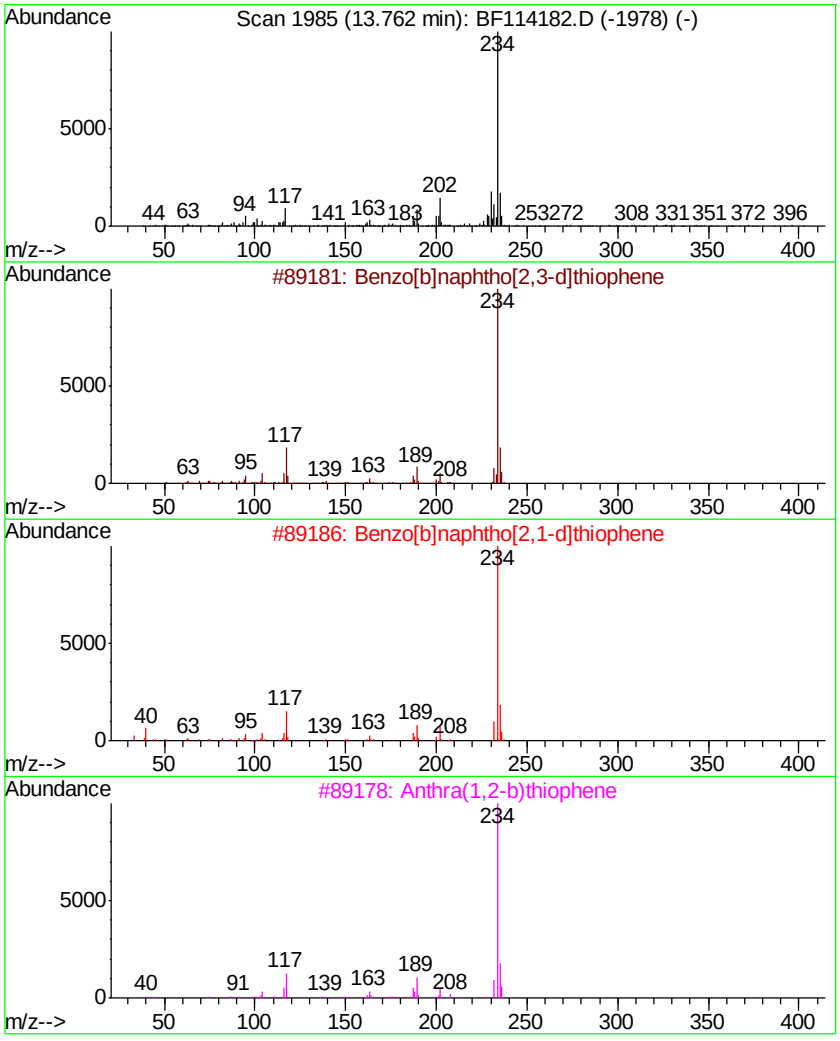
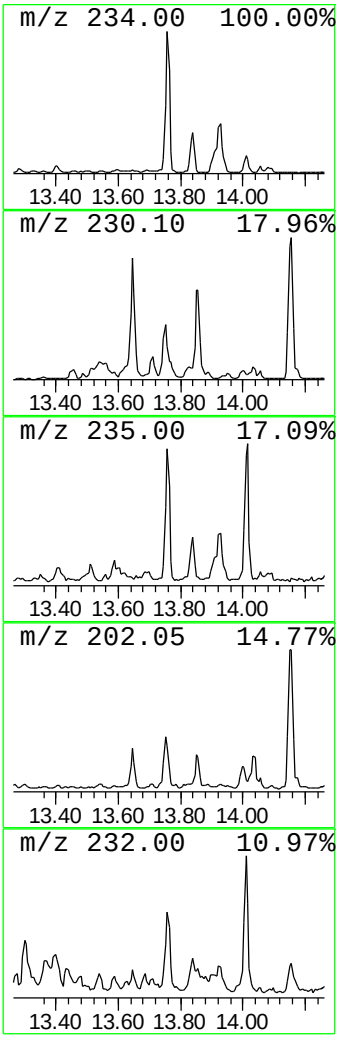
Peak Number 15 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.72 ng	821289	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5	4-Pyridinamine, N-(1-naphthaleny...	234	C16H14N2	1000317-32-0	43





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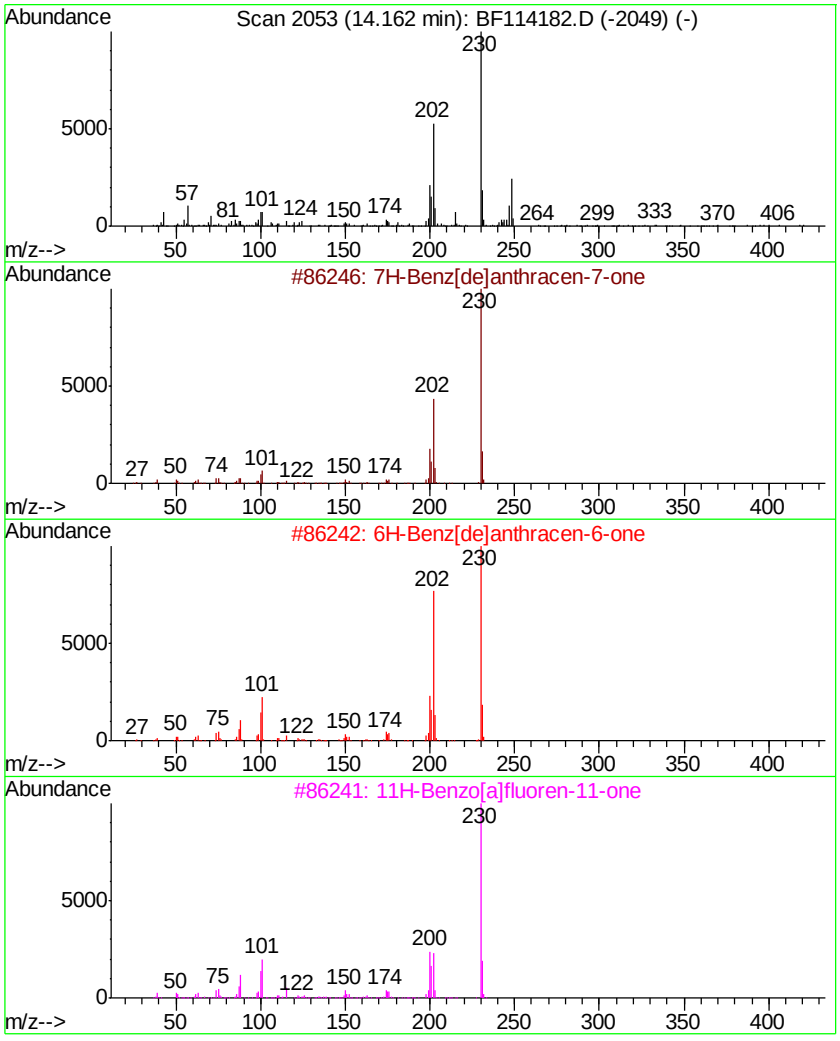
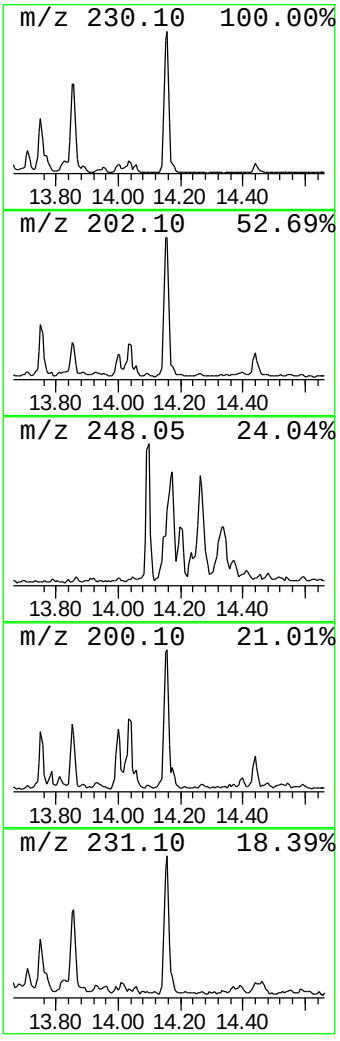
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	5.26 ng	1160280	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	81
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	53





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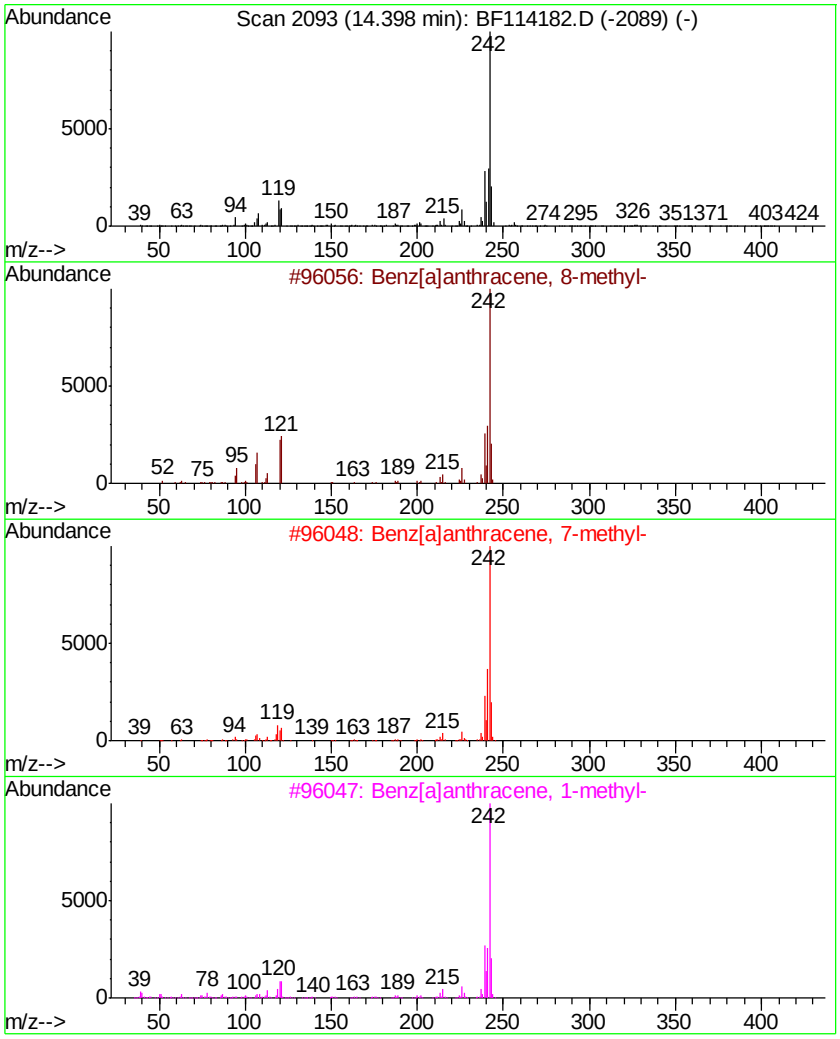
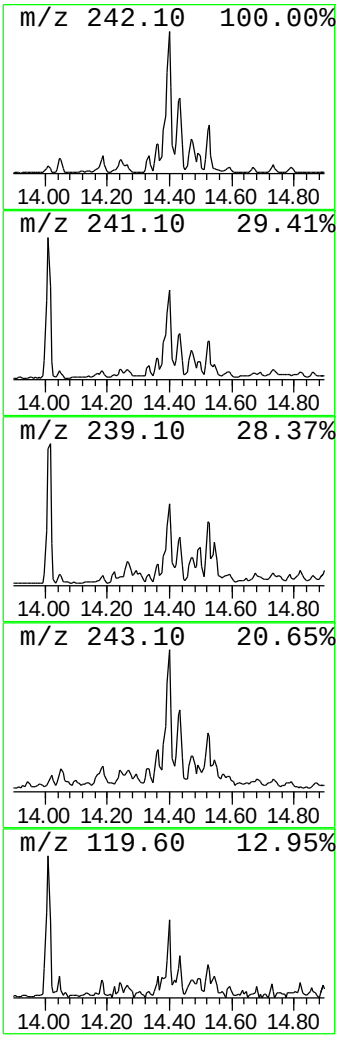
Peak Number 17 Benz[a]anthracene, 8-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	4.17 ng	920733	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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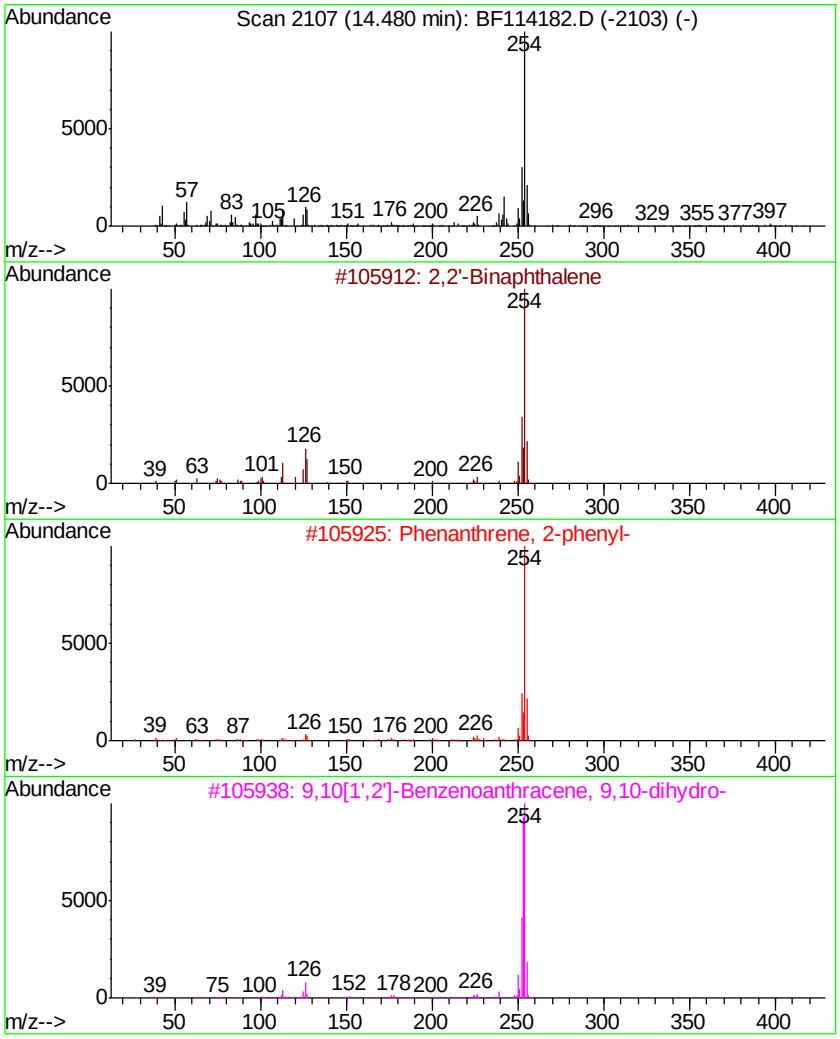
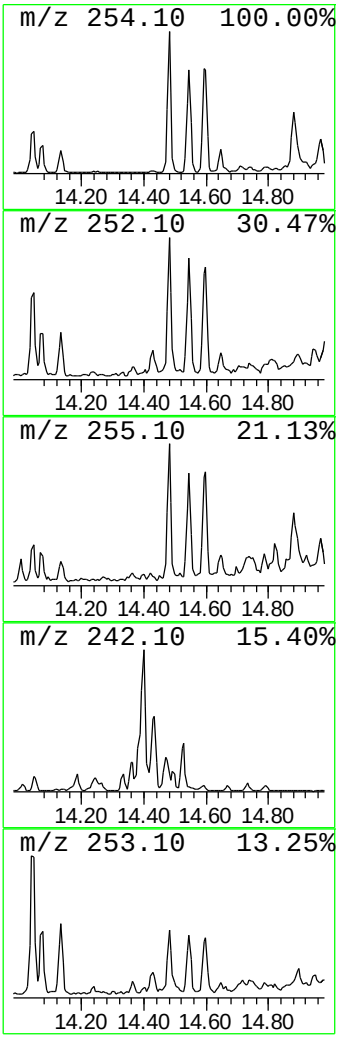
Peak Number 18 2,2'-Binaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	4.08 ng	900298	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	83
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	58
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	53
4	1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	49
5	Tris(2-ethylhexyl)amine	353	C24H51N	001860-26-0	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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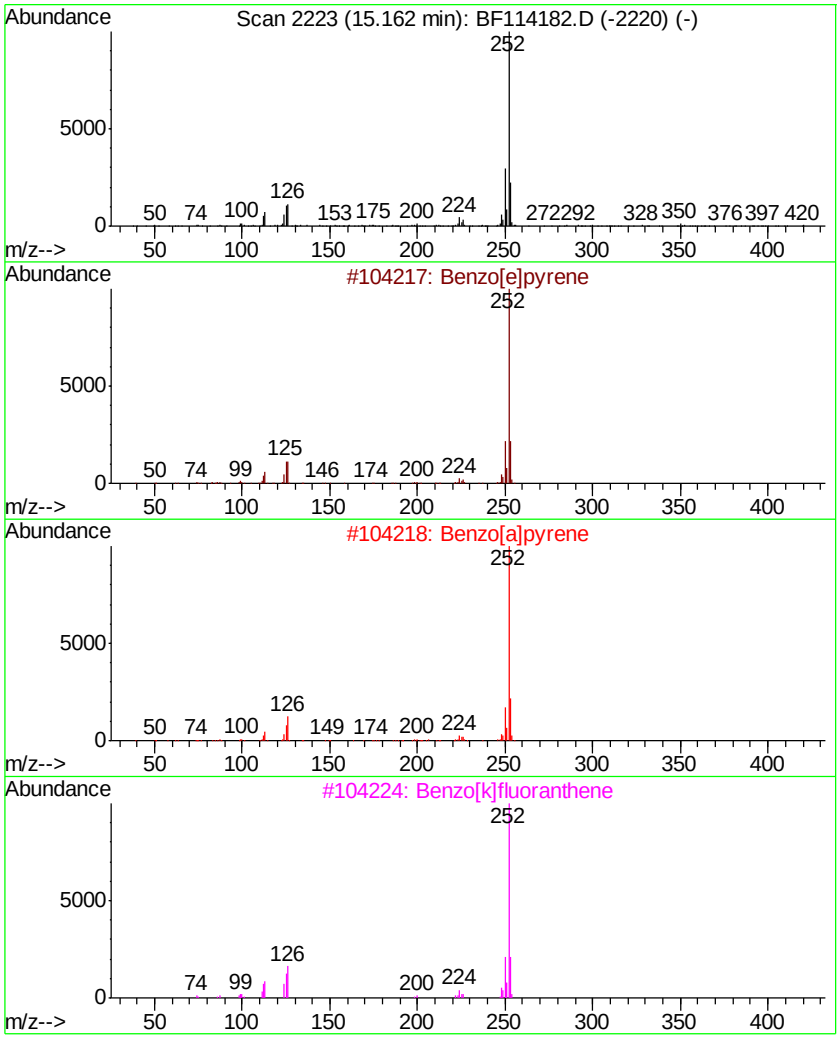
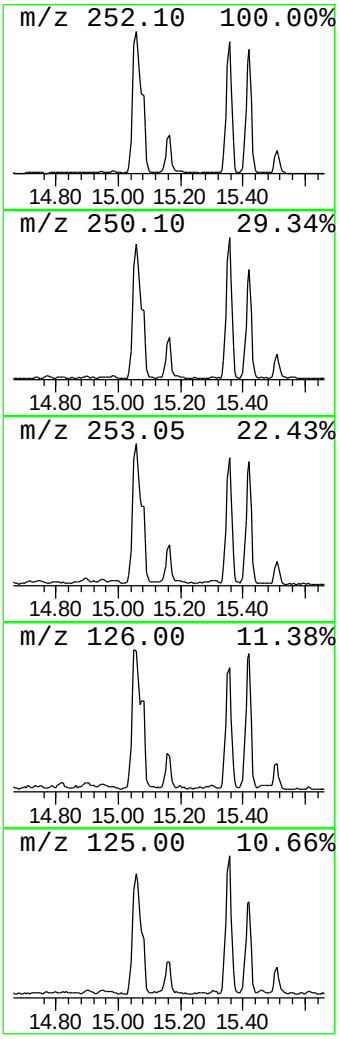
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	5.15 ng	446083	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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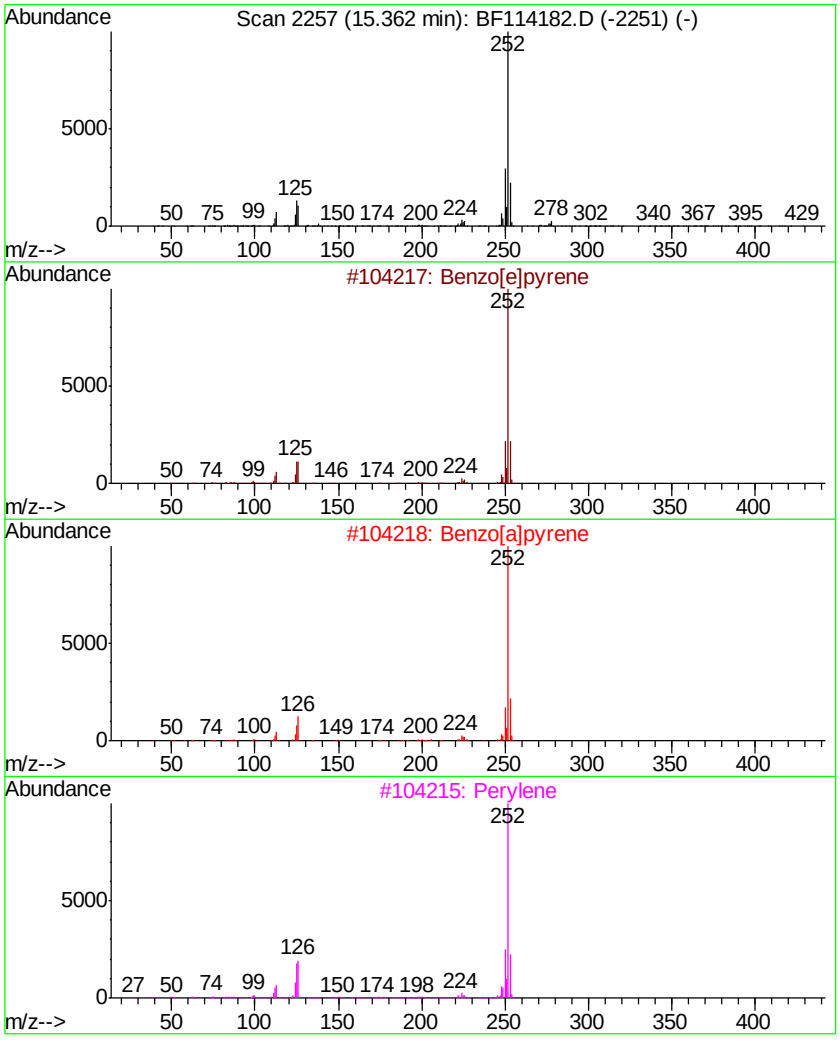
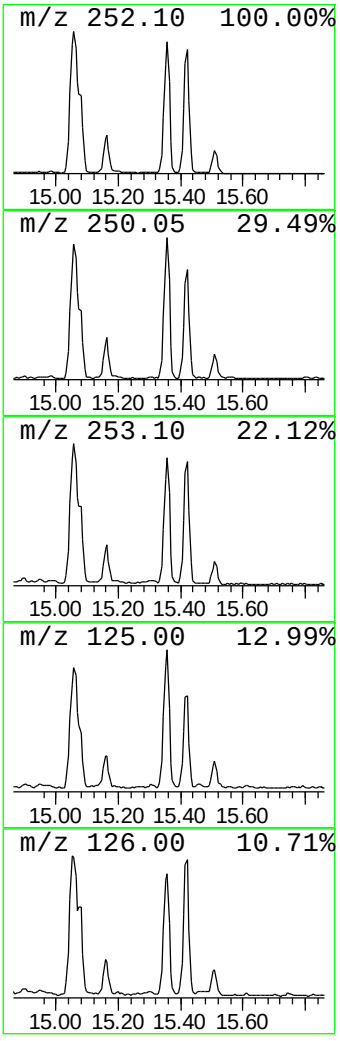
Peak Number 20 unknown15.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	22.05 ng	1908200	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114182.D
Acq On : 12 May 2019 4:23
Operator : JU/SJ
Sample : K2767-21 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.62	6.62	16.7	ng	1278690	1	6.85	1532710	20.0
Anthracene, 9-eth...	11.66	3.7	ng	345414	4	11.37	1864970	20.0
Anthracene, 2-met...	11.87	9.0	ng	835613	4	11.37	1864970	20.0
Phenanthrene, 2-m...	11.90	9.5	ng	885136	4	11.37	1864970	20.0
Phenanthrene, 1-m...	11.98	12.4	ng	1155390	4	11.37	1864970	20.0
Anthracene, 9-met...	12.00	7.1	ng	665431	4	11.37	1864970	20.0
Naphthalene, 2-ph...	12.16	7.8	ng	727871	4	11.37	1864970	20.0
9,10-Anthracenedione	12.19	8.4	ng	784317	4	11.37	1864970	20.0
Phenanthrene, 2,5...	12.42	9.0	ng	843055	4	11.37	1864970	20.0
Cyclopenta(def)ph...	12.51	7.3	ng	681886	4	11.37	1864970	20.0
Benzene, 1,1'-(1,...	12.67	6.1	ng	566740	4	11.37	1864970	20.0
Fluoranthene, 2-m...	13.03	4.2	ng	920532	5	14.01	4414390	20.0
Pyrene, 1-methyl-	13.24	4.0	ng	879265	5	14.01	4414390	20.0
Benzo[b]naphtho[2...	13.76	3.7	ng	821289	5	14.01	4414390	20.0
7H-Benz[de]anthra...	14.16	5.3	ng	1160280	5	14.01	4414390	20.0
Benz[a]anthracene...	14.40	4.2	ng	920733	5	14.01	4414390	20.0
2,2'-Binaphthalene	14.48	4.1	ng	900298	5	14.01	4414390	20.0
Benzo[e]pyrene	15.16	5.2	ng	446083	6	15.48	1731050	20.0
unknown15.36	15.36	22.1	ng	1908200	6	15.48	1731050	20.0