LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	15	19	29	rVB	50562	77940	2.82%	0.148%
2	5.516	578	583	603	rBV	2000188	1977045	71.41%	3.743%
3	6.522	748	754	766	rBV	2090735	2124681	76.75%	4.023%
4	6.663	774	778	781	rBV	2428436	2182385	78.83%	4.132%
5	6.892	813	817	821	rBV	894411	712316	25.73%	1.349%
6	7.051	840	844	847	rBV	2063451	1727391	62.39%	3.271%
7	7.451	907	912	924	rBV	1349113	1319245	47.65%	2.498%
8	8.175	1031	1035	1037	rBV	943960	914128	33.02%	1.731%
9	8.192	1037	1038	1044	rVB	280973	199852	7.22%	0.378%
10	8.881	1152	1155	1162	rBV	118217	111586	4.03%	0.211%
11	8.981	1167	1172	1177	rVB	125632	106017	3.83%	0.201%
12	9.245	1212	1217	1220	rBV	3003428	2502402	90.39%	4.738%
13	9.580	1270	1274	1277	rBV	103197	112591	4.07%	0.213%
14	9.633	1280	1283	1288	rVV	271532	221667	8.01%	0.420%
15	9.922	1326	1332	1335	rBV	1149509	1113041	40.20%	2.108%
16	9.957	1335	1338	1341	rVB	444351	362427	13.09%	0.686%
17	10.128	1363	1367	1371	rVV	245980	219899	7.94%	0.416%
18	10.239	1380	1386	1389	rVV2	57082	73620	2.66%	0.139%
19	10.469	1421	1425	1430	rVB	423359	365267	13.19%	0.692%
20	10.627	1449	1452	1456	rVB	147016	134699	4.87%	0.255%
21	10.710	1462	1466	1470	rBV	1980418	1798836	64.98%	3.406%
22	11.016	1511	1518	1521	rBV3	114418	191330	6.91%	0.362%
23	11.145	1535	1540	1542	rVV3	87368	115381	4.17%	0.218%
24	11.169	1542	1544	1548	rVV2	96591	104245	3.77%	0.197%
25	11.210	1548	1551	1555	rVV	86615	90609	3.27%	0.172%
26	11.269	1555	1561	1564	rVV3	135546	210521	7.60%	0.399%
27	11.304	1564	1567	1572	rVB	200690	186341	6.73%	0.353%
28	11.410	1581	1585	1587	rBV	1216654	1211258	43.75%	2.293%
29	11.433	1587	1589	1592	rVV	2854640	2452207	88.58%	4.643%
30	11.480	1592	1597	1600	rVV	715967	726127	26.23%	1.375%
31	11.516	1600	1603	1606	rVB	129978	116828	4.22%	0.221%
32	11.633	1617	1623	1626	rBV2	292771	325442	11.76%	0.616%
33	11.704	1632	1635	1638	rVV2	95135	97895	3.54%	0.185%
34	11.739	1638	1641	1646	rVV4	61731	83938	3.03%	0.159%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
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Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.910	1664	1670	1672	rBV	434826	433826	15.67%	0.821%
36	11.933	1672	1674	1679	rVV	716243	684624	24.73%	1.296%
37	11.986	1679	1683	1685	rVV	238411	242223	8.75%	0.459%
38	12.022	1685	1689	1691	rVV	615318	658264	23.78%	1.246%
39	12.045	1691	1693	1697	rVV	286075	236028	8.53%	0.447%
40	12.204	1717	1720	1722	rBV	285872	235665	8.51%	0.446%
41	12.227	1722	1724	1727	rVB	135091	109500	3.96%	0.207%
42	12.357	1740	1746	1748	rBV2	114095	133179	4.81%	0.252%
43	12.410	1753	1755	1757	rVB	91258	71283	2.57%	0.135%
44	12.457	1757	1763	1767	rBV	210055	296798	10.72%	0.562%
45	12.498	1767	1770	1775	rVB3	153503	210980	7.62%	0.399%
46	12.545	1775	1778	1783	rVB2	137999	179628	6.49%	0.340%
47	12.627	1787	1792	1795	rBV	2580339	2549933	92.11%	4.828%
48	12.716	1804	1807	1809	rBV2	99821	81112	2.93%	0.154%
49	12.769	1814	1816	1820	rVB	85773	87549	3.16%	0.166%
50	12.851	1824	1830	1835	rBV2	2269220	2768491	100.00%	5.242%
51	12.898	1835	1838	1843	rVB2	169472	214390	7.74%	0.406%
52	12.968	1843	1850	1851	rBV	201126	246944	8.92%	0.468%
53	12.992	1851	1854	1861	rVB	2539685	2358183	85.18%	4.465%
54	13.068	1861	1867	1870	rBV2	207869	361975	13.07%	0.685%
55	13.151	1874	1881	1882	rBV5	174749	236841	8.55%	0.448%
56	13.174	1882	1885	1888	rVB	495783	478008	17.27%	0.905%
57	13.239	1893	1896	1899	rVV	330518	297783	10.76%	0.564%
58	13.280	1899	1903	1906	rVV2	323070	349600	12.63%	0.662%
59	13.374	1916	1919	1921	rBV	154039	129125	4.66%	0.244%
60	13.404	1921	1924	1927	rBV2	175005	171039	6.18%	0.324%
61	13.574	1946	1953	1955	rBV6	106226	233867	8.45%	0.443%
62	13.598	1955	1957	1960	rVV	89290	98402	3.55%	0.186%
63	13.663	1964	1968	1969	rBV2	77927	105402	3.81%	0.200%
64	13.680	1969	1971	1976	rVB	137042	175230	6.33%	0.332%
65	13.792	1986	1990	1993	rBV3	158758	220533	7.97%	0.418%
66	13.821	1993	1995	1997	rVV	237794	197314	7.13%	0.374%
67	13.845	1997	1999	2004	rVV2	139954	233136	8.42%	0.441%
68	13.886	2004	2006	2010	rVB2	127378	122573	4.43%	0.232%
69	14.039	2025	2032	2035	rBV3	1700926	2442116	88.21%	4.624%
70	14.074	2035	2038	2043	rVB	1108695	1180744	42.65%	2.236%
71	14.151	2049	2051	2054	rVB	162051	126711	4.58%	0.240%

LSC Area Percent Report

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Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.210	2058	2061	2063	rVV4	64057	78269	2.83%	0.148%
73	14.233	2063	2065	2067	rVB2	113640	93532	3.38%	0.177%
74	14.263	2067	2070	2075	rBV2	149661	192555	6.96%	0.365%
75	14.368	2085	2088	2091	rBV3	71806	79256	2.86%	0.150%
76	14.398	2091	2093	2095	rVV	84938	76825	2.77%	0.145%
77	14.433	2095	2099	2102	rVV	311766	346354	12.51%	0.656%
78	14.468	2102	2105	2108	rVV	171531	160073	5.78%	0.303%
79	14.527	2109	2115	2118	rVV4	135455	253862	9.17%	0.481%
80	14.563	2118	2121	2122	rVV	137899	130314	4.71%	0.247%
81	14.580	2122	2124	2128	rVB2	170231	164264	5.93%	0.311%
82	14.627	2128	2132	2139	rVB4	103036	180653	6.53%	0.342%
83	14.739	2148	2151	2154	rBV3	86756	119351	4.31%	0.226%
84	14.827	2163	2166	2169	rBV	103139	108908	3.93%	0.206%
85	14.933	2181	2184	2187	rVB2	68716	79709	2.88%	0.151%
86	15.098	2207	2212	2215	rBV	932412	1514962	54.72%	2.869%
87	15.168	2221	2224	2227	rVV	122026	124451	4.50%	0.236%
88	15.204	2227	2230	2233	rVB	207588	206960	7.48%	0.392%
89	15.292	2242	2245	2247	rBV3	68994	101518	3.67%	0.192%
90	15.404	2259	2264	2270	rVB	531154	793724	28.67%	1.503%
91	15.462	2270	2274	2280	rBV	878021	1108814	40.05%	2.100%
92	15.527	2280	2285	2288	rVV	805981	1050741	37.95%	1.990%
93	15.557	2288	2290	2297	rVB2	329818	425158	15.36%	0.805%
94	16.004	2363	2366	2372	rVB3	90993	144781	5.23%	0.274%
95	16.815	2497	2504	2507	rBV3	81575	180465	6.52%	0.342%
96	17.009	2530	2537	2545	rVB2	399293	811709	29.32%	1.537%
97	17.180	2562	2566	2571	rBV	89257	152681	5.51%	0.289%
98	17.245	2572	2577	2582	rBV2	72556	146510	5.29%	0.277%
99	17.456	2606	2613	2624	rVB	264306	577010	20.84%	1.093%
100	17.692	2647	2653	2662	rBV	89336	181504	6.56%	0.344%

Sum of corrected areas: 52813069

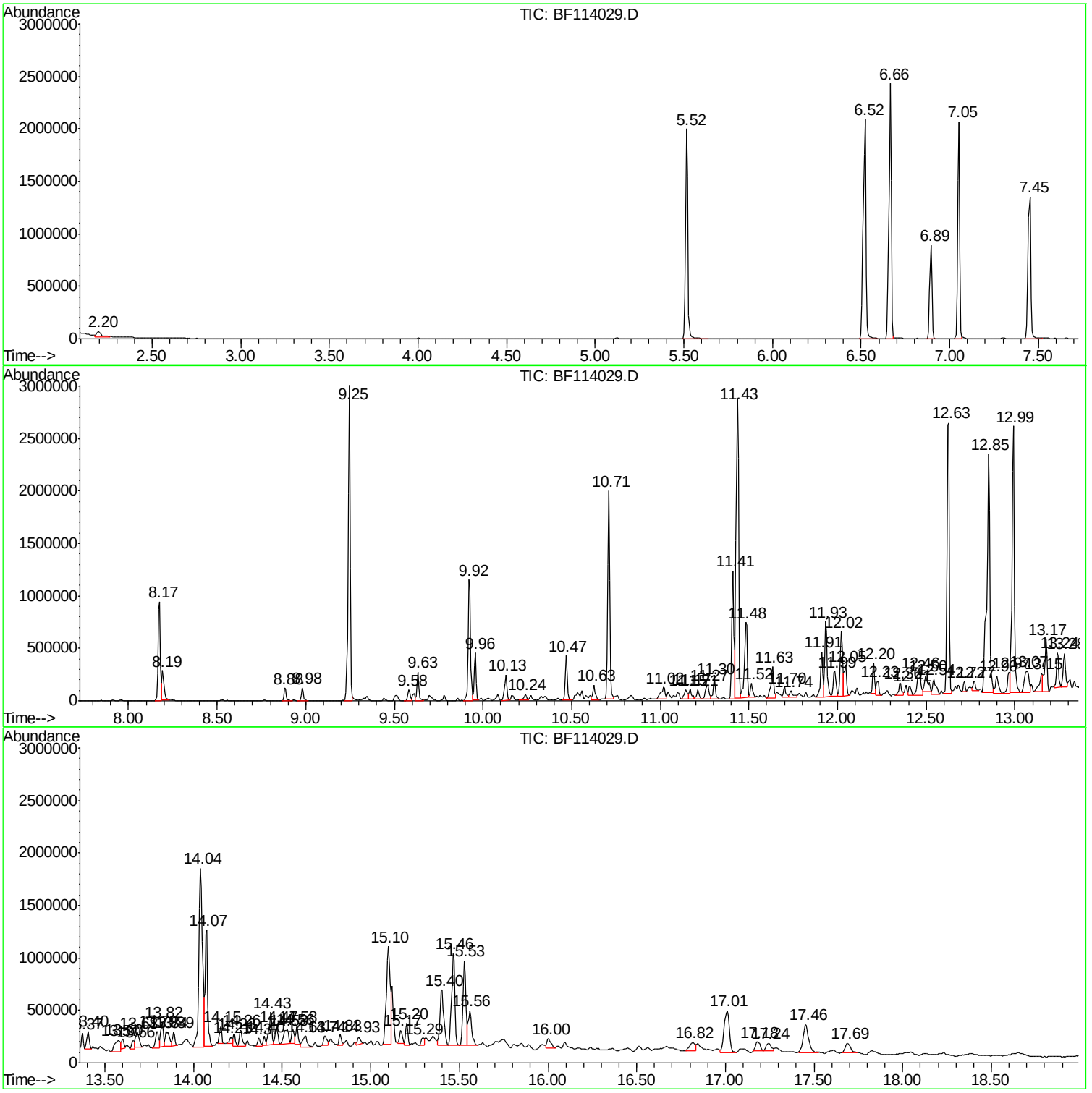
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

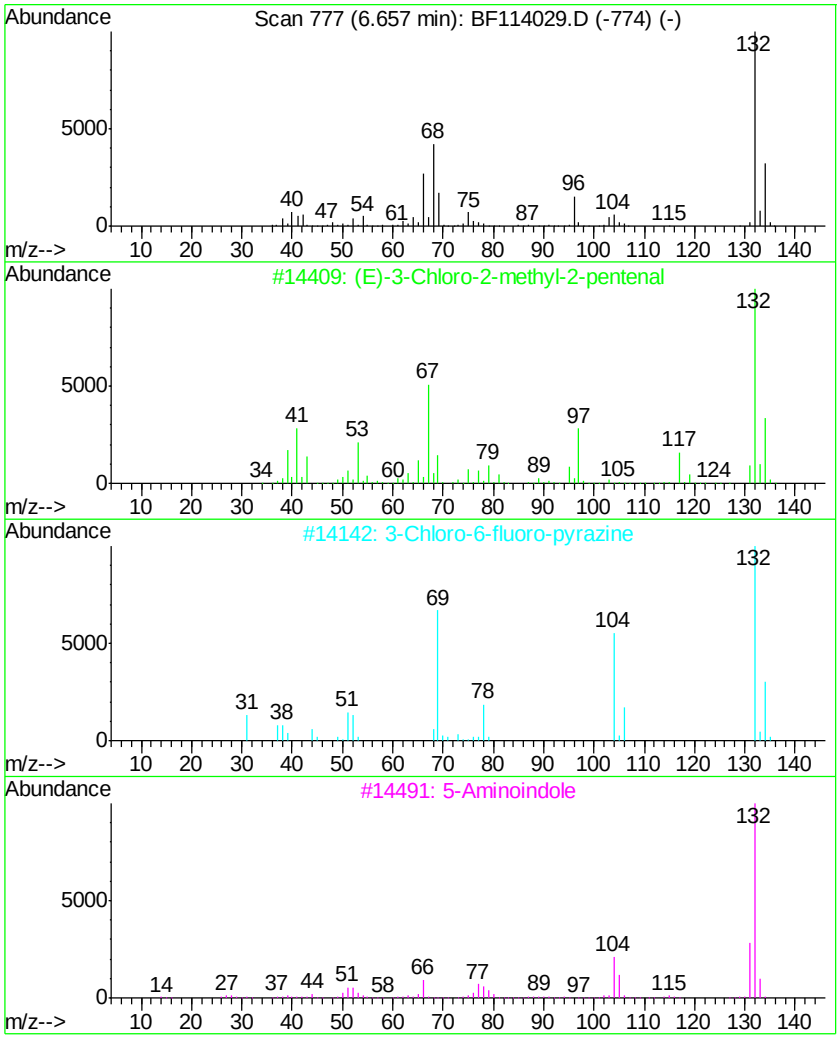
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

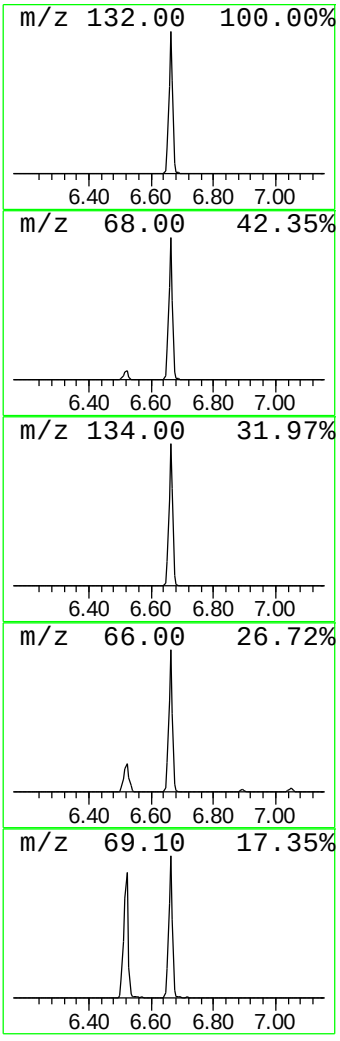
****

Peak Number 1 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	61.28 ng	2182390	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

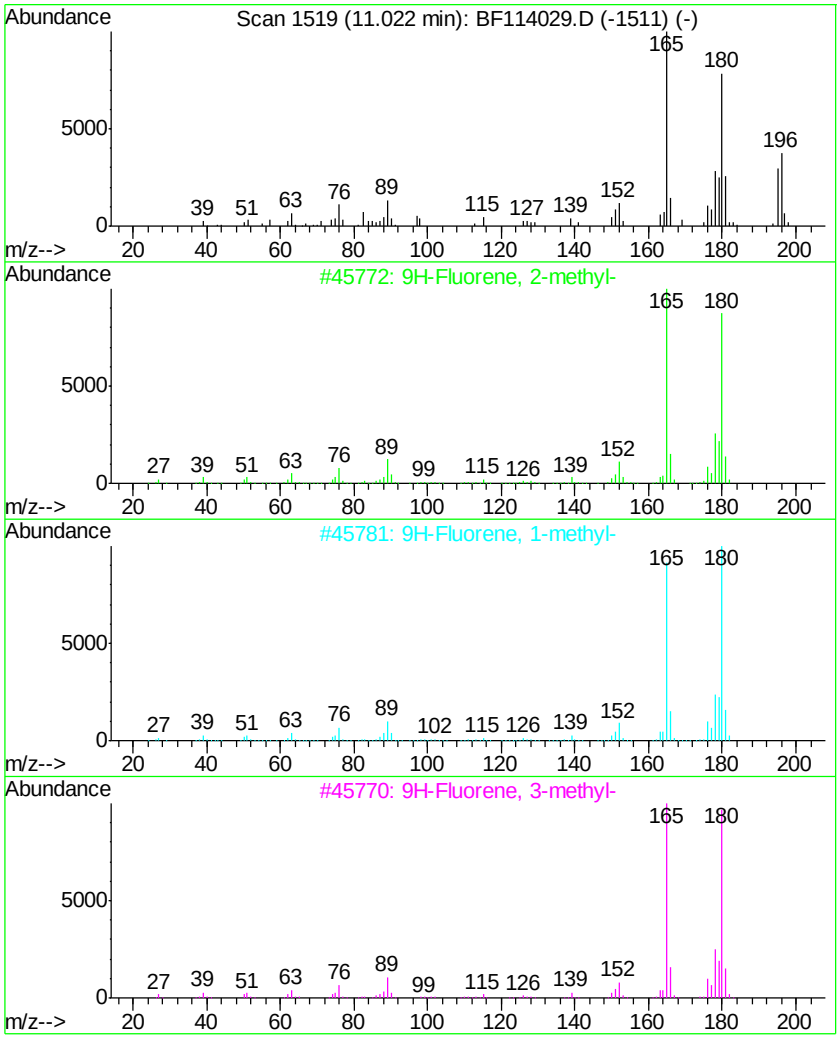
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

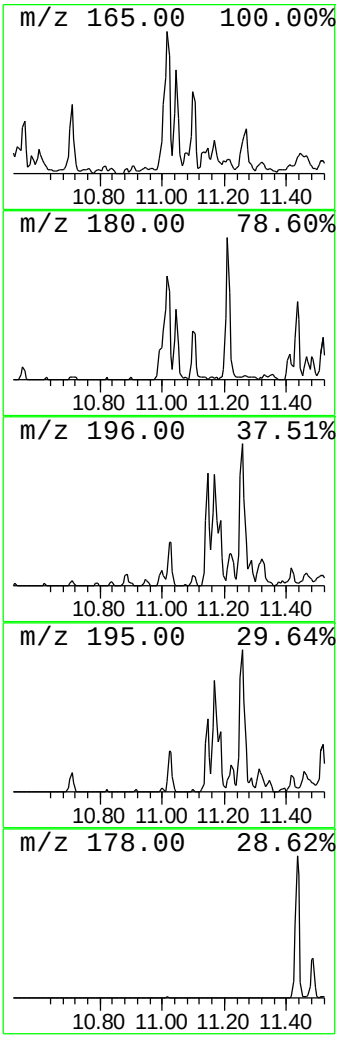
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	3.16 ng	191330	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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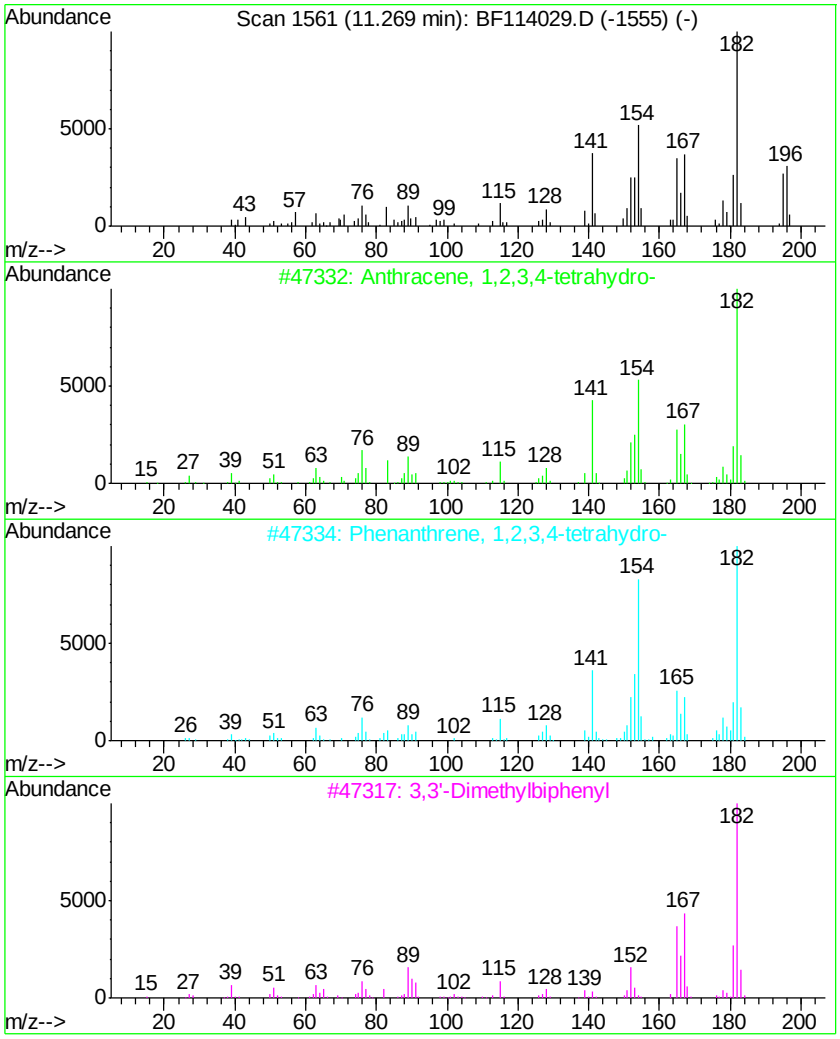
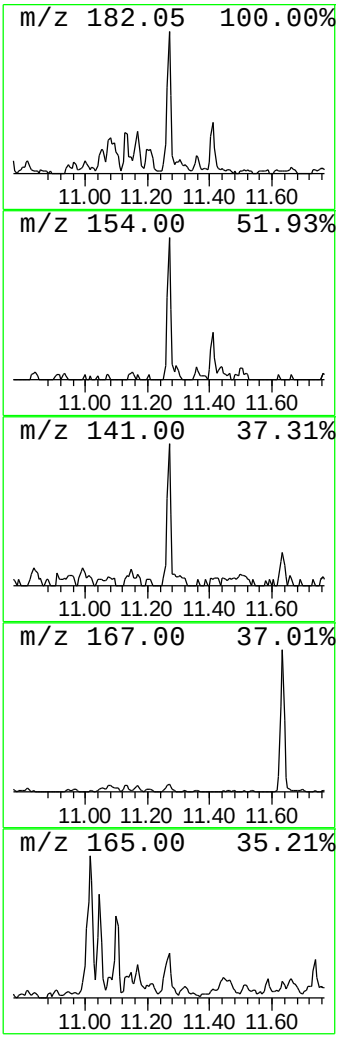
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.48 ng	210521	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
4	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	52
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

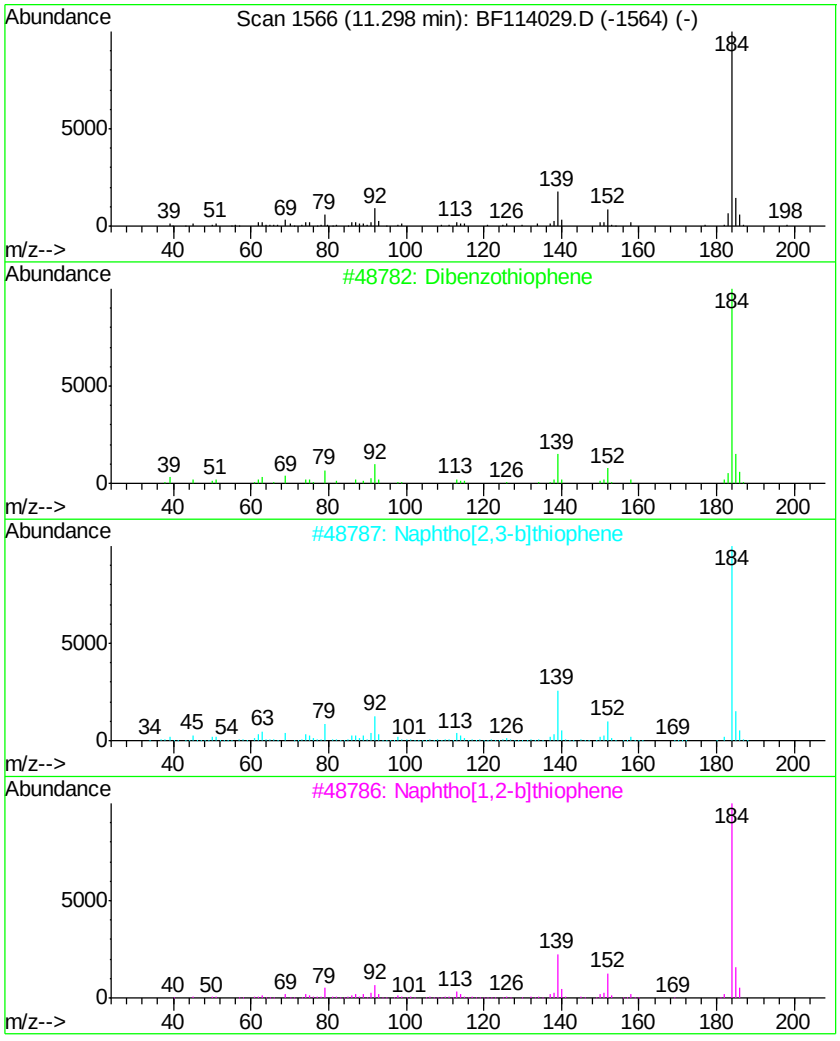
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

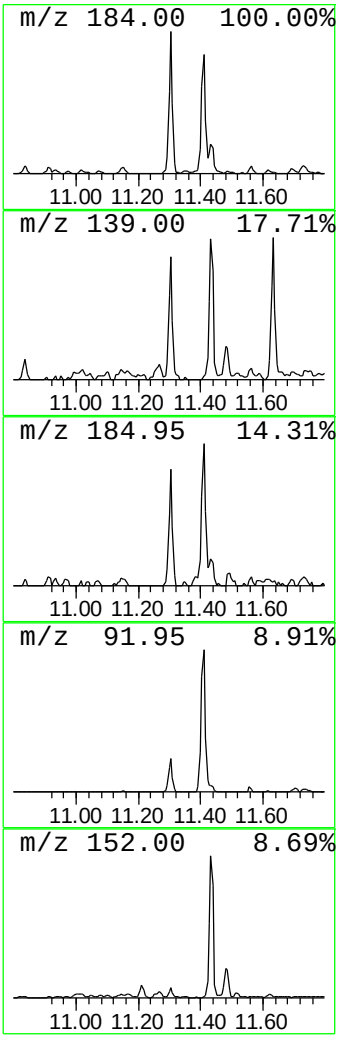
****

Peak Number 5 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	3.08 ng	186341	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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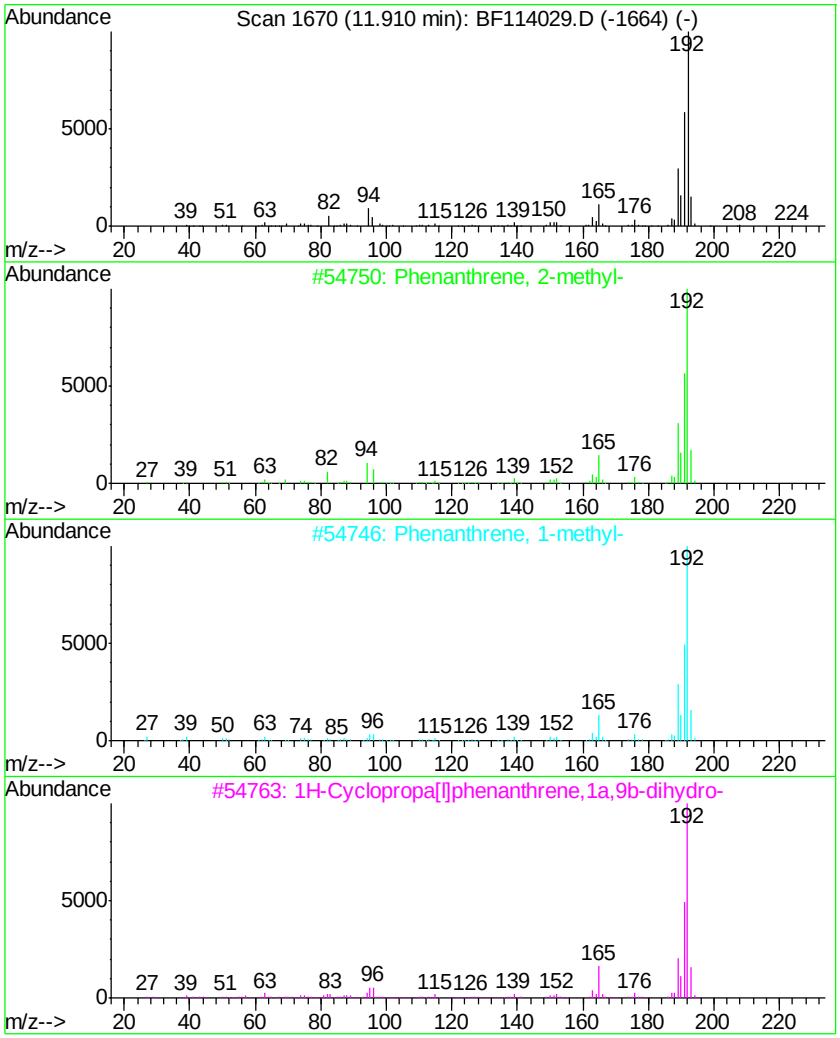
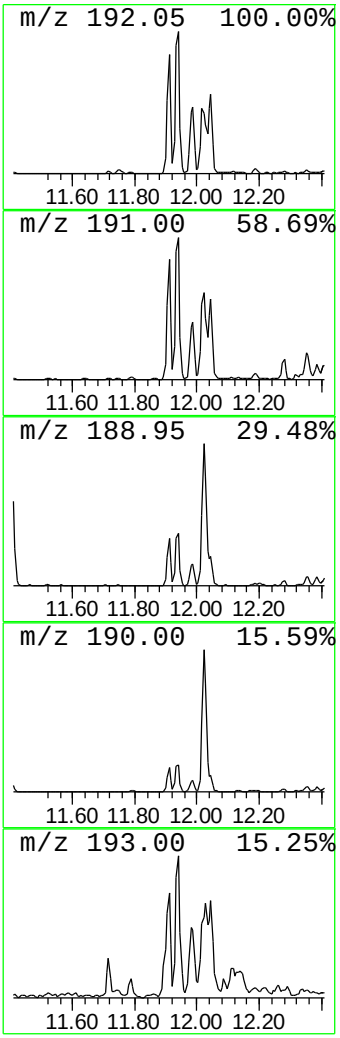
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	7.16 ng	433826	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : C-3_042419

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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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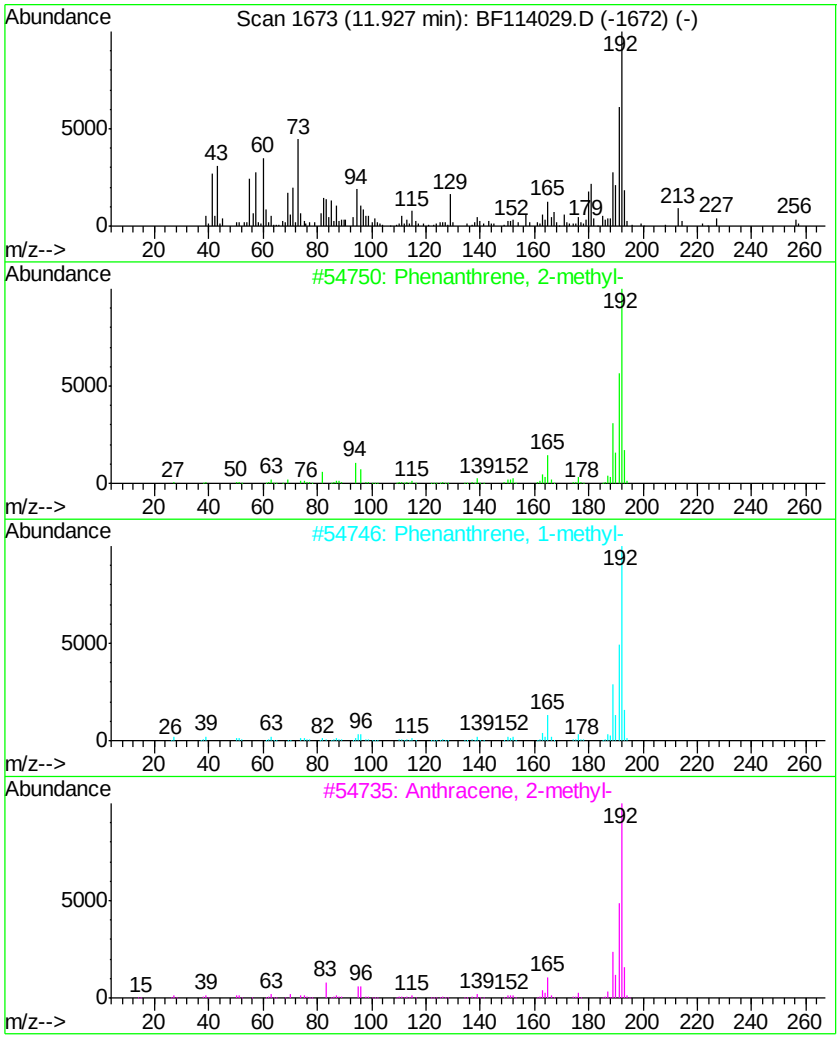
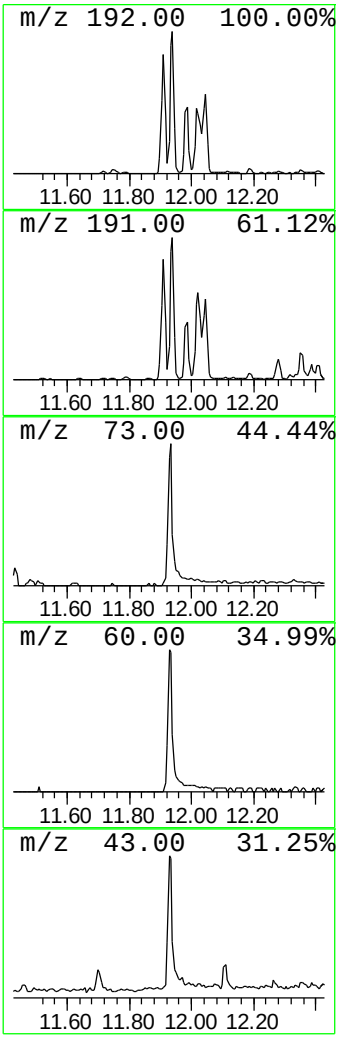
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.30 ng	684624	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	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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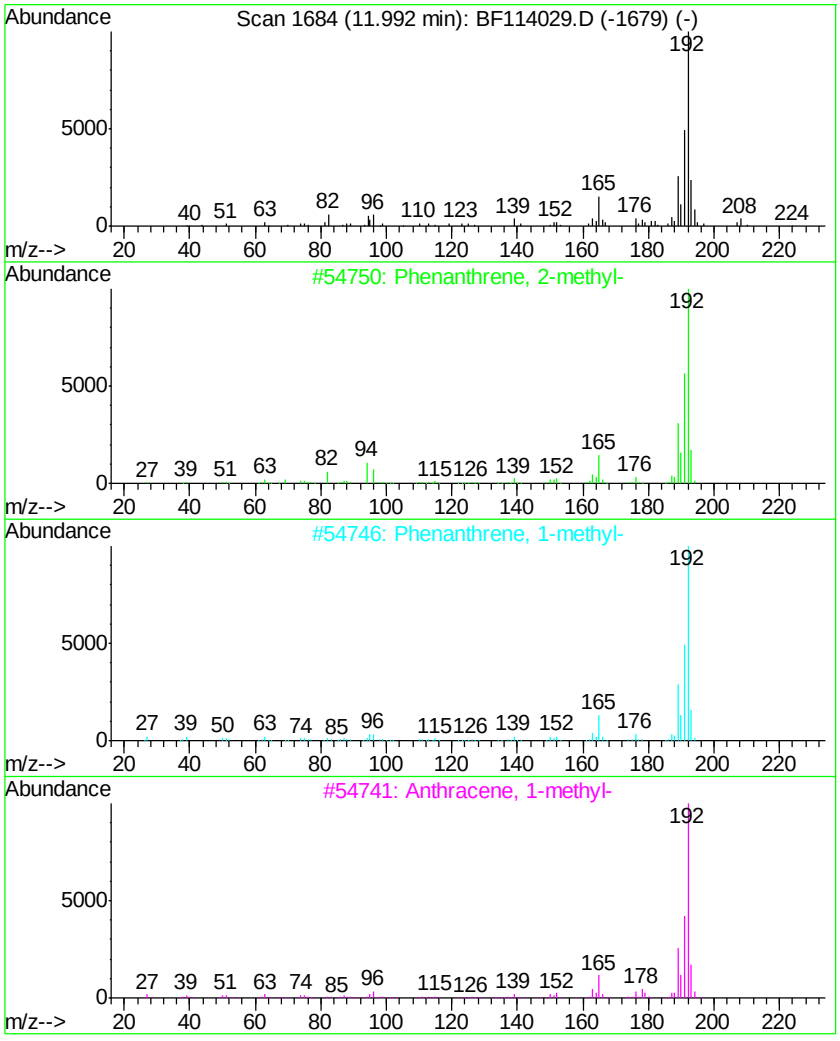
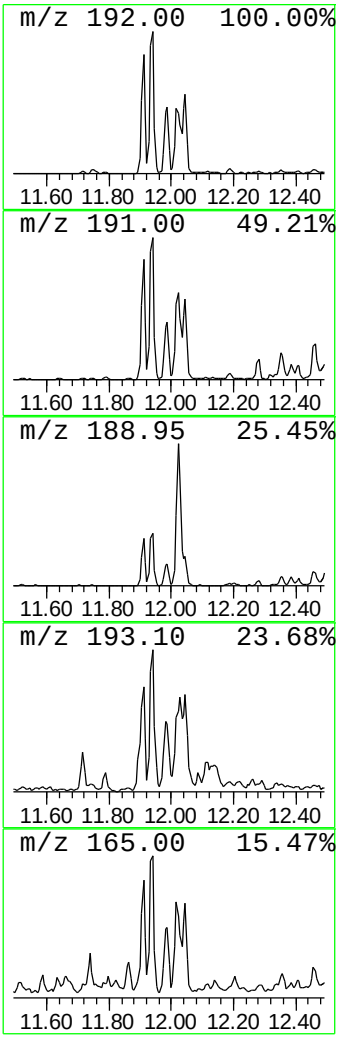
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.00 ng	242223	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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ClientSampleId : C-3_042419

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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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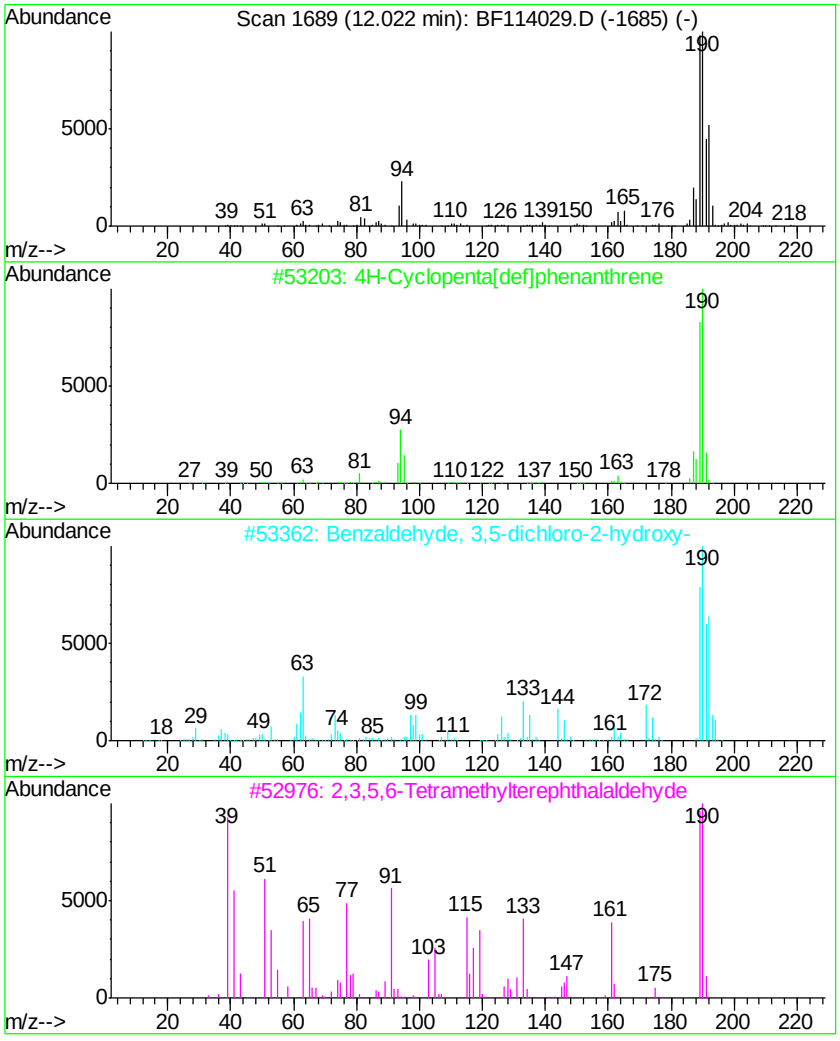
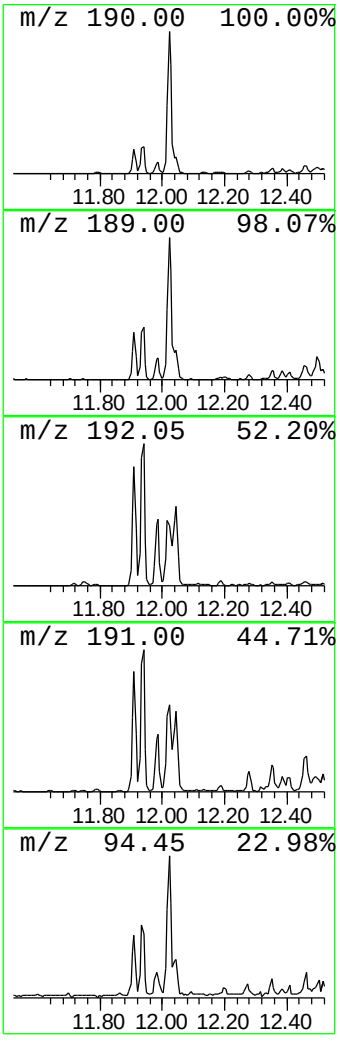
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	10.87 ng	658264	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	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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ClientSampleId : C-3_042419

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

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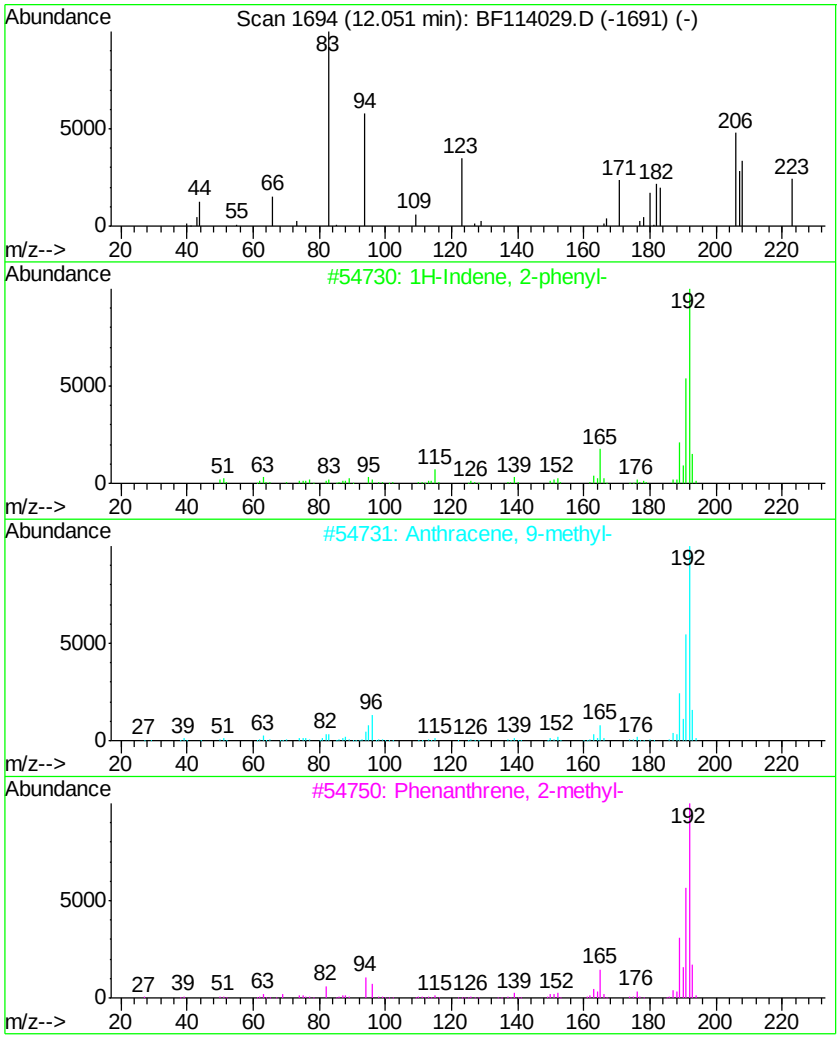
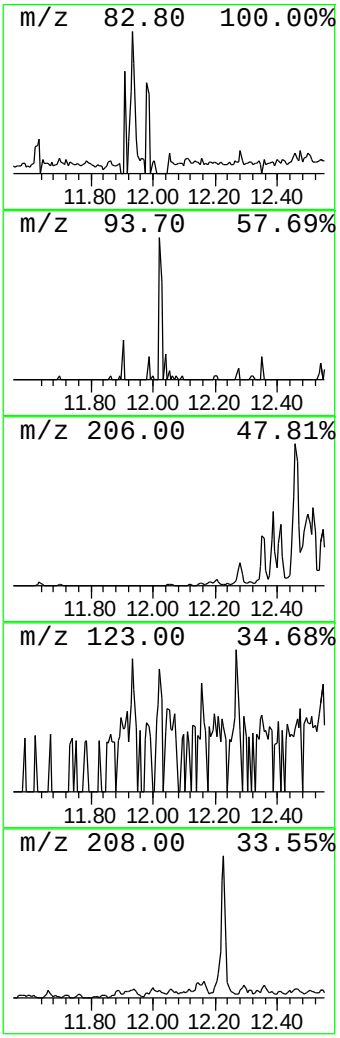
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.90 ng	236028	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	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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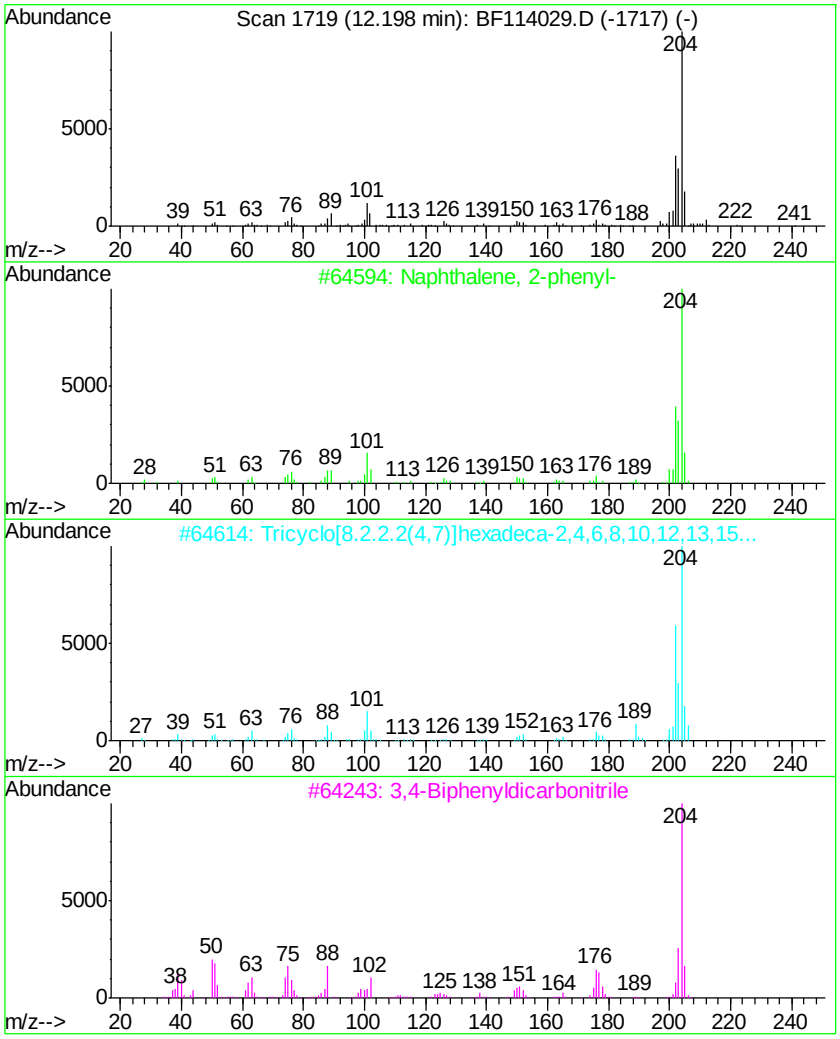
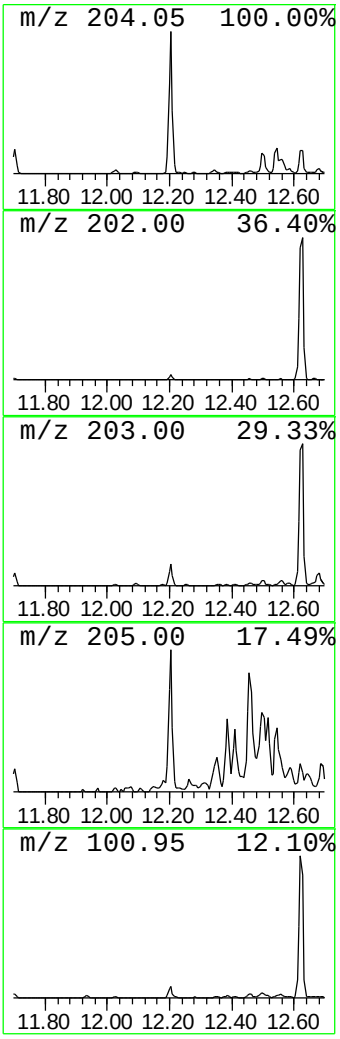
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.89 ng	235665	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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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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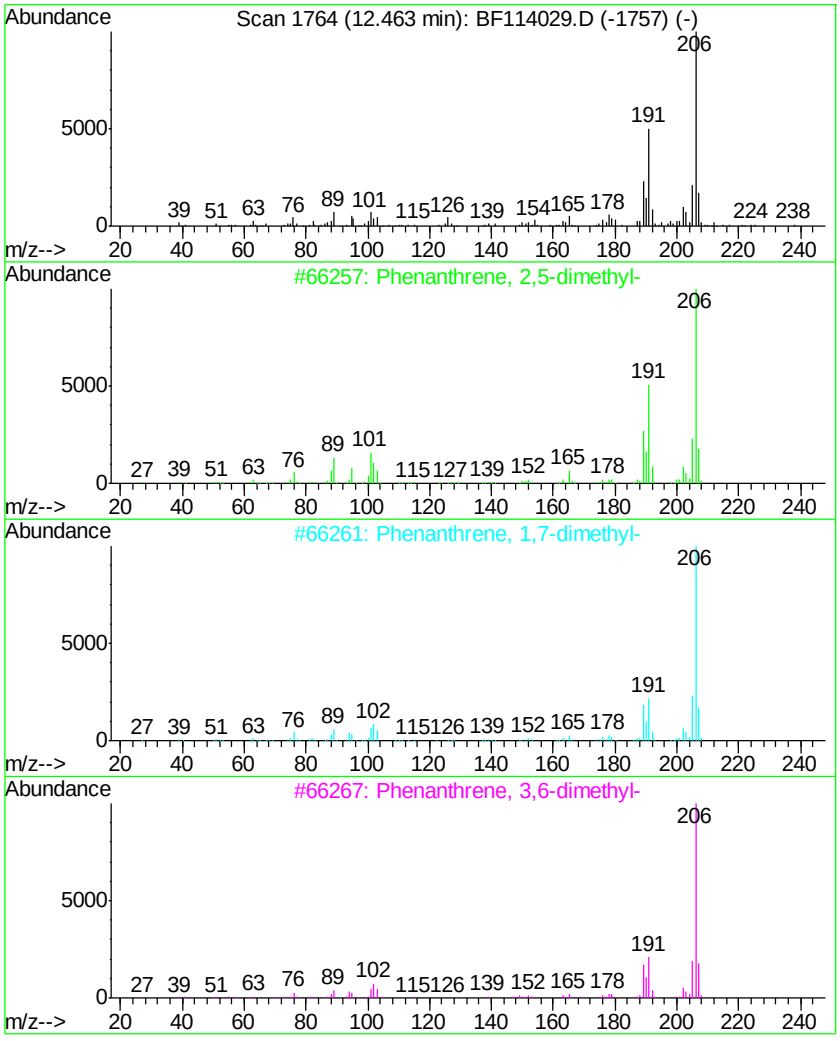
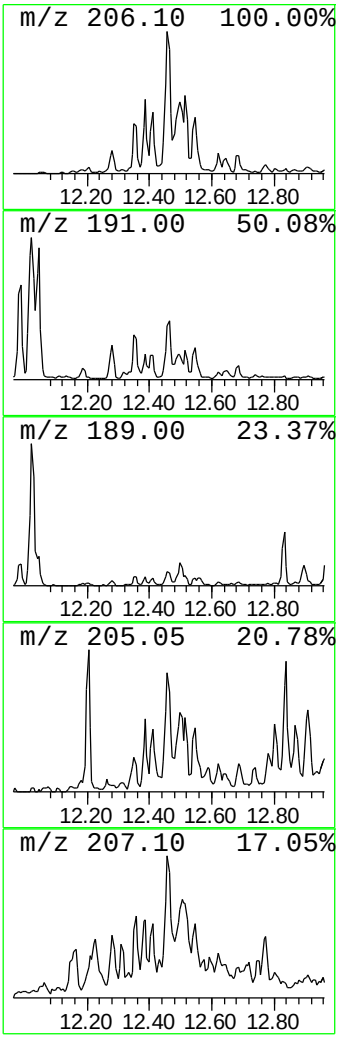
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.90 ng	296798	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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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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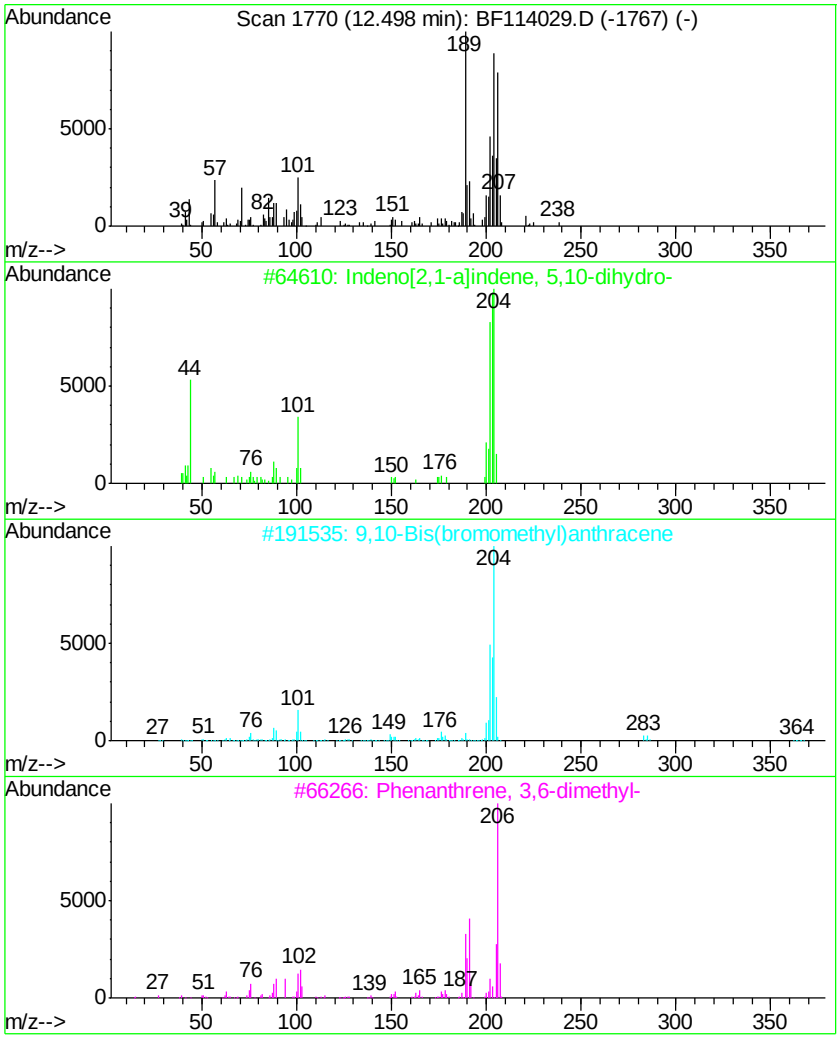
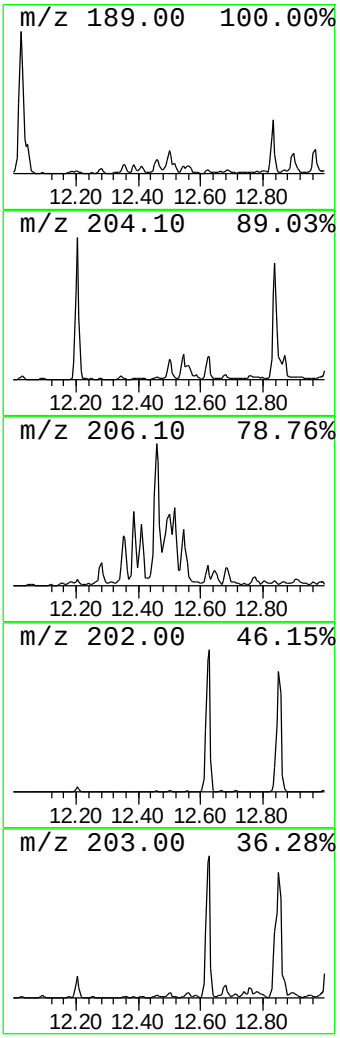
Peak Number 13 unknown12.50 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.48 ng	210980	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





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

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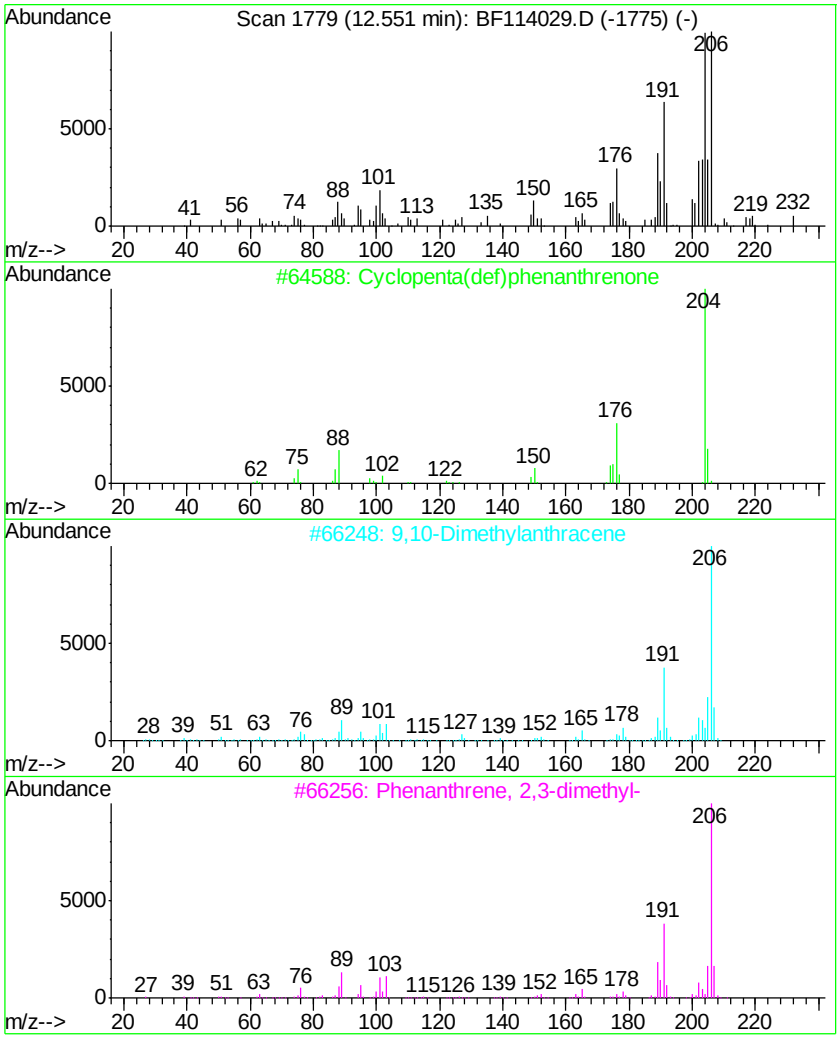
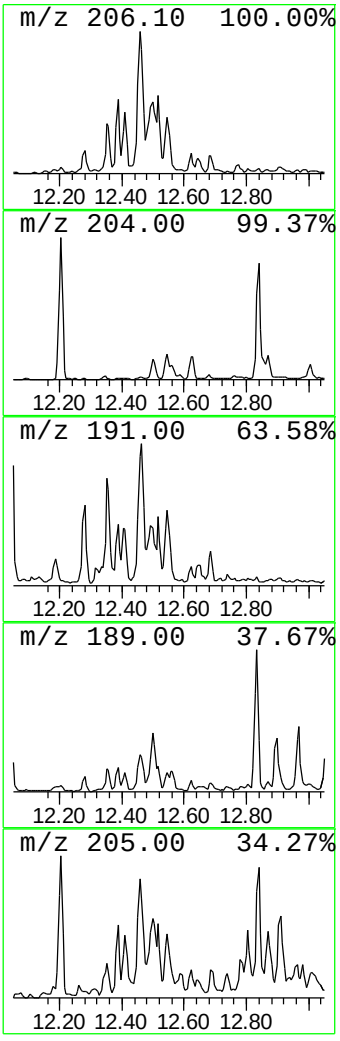
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.97 ng	179628	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
4	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	50
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50





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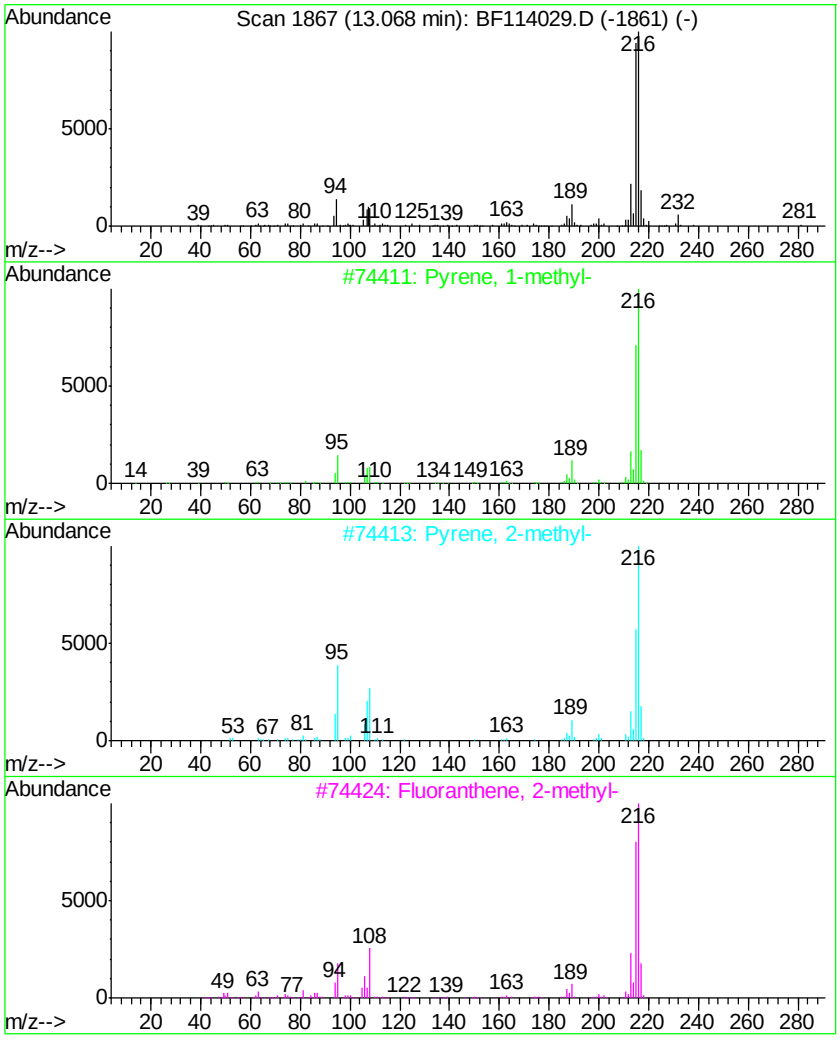
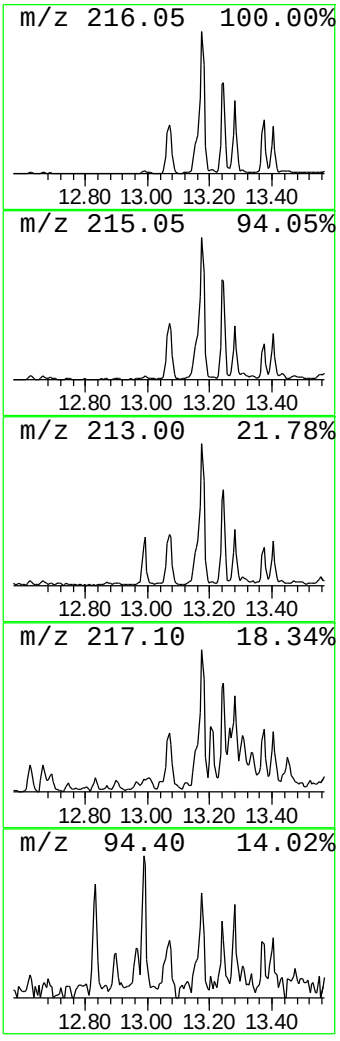
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.96 ng	361975	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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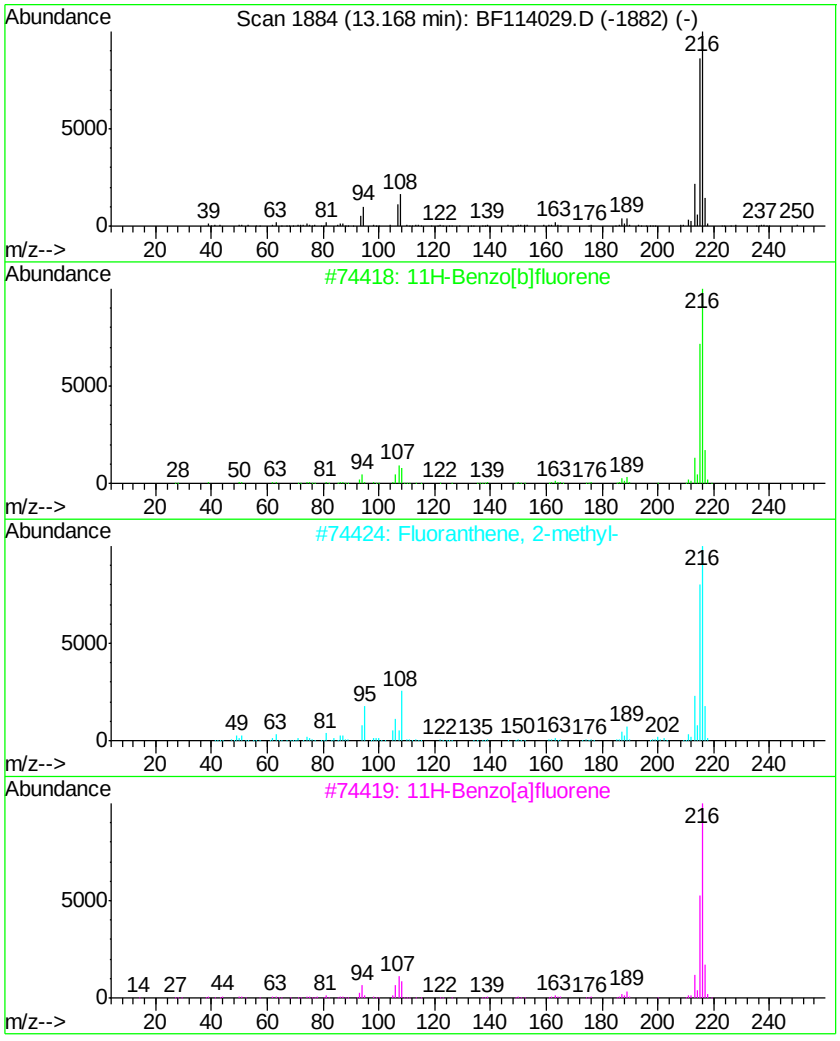
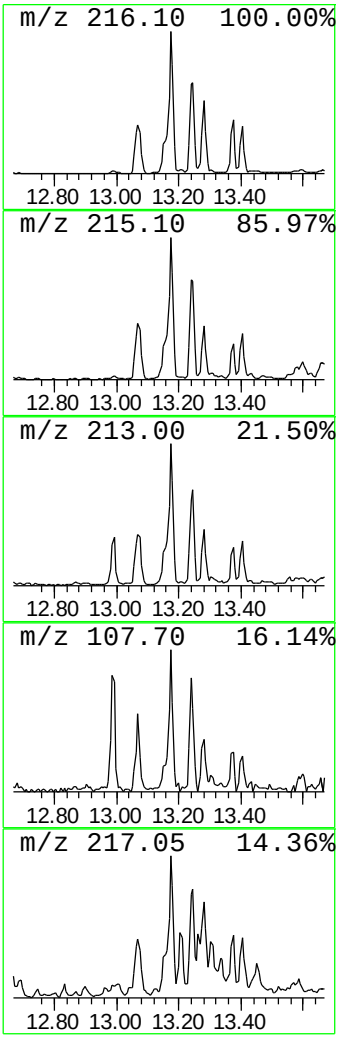
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.91 ng	478008	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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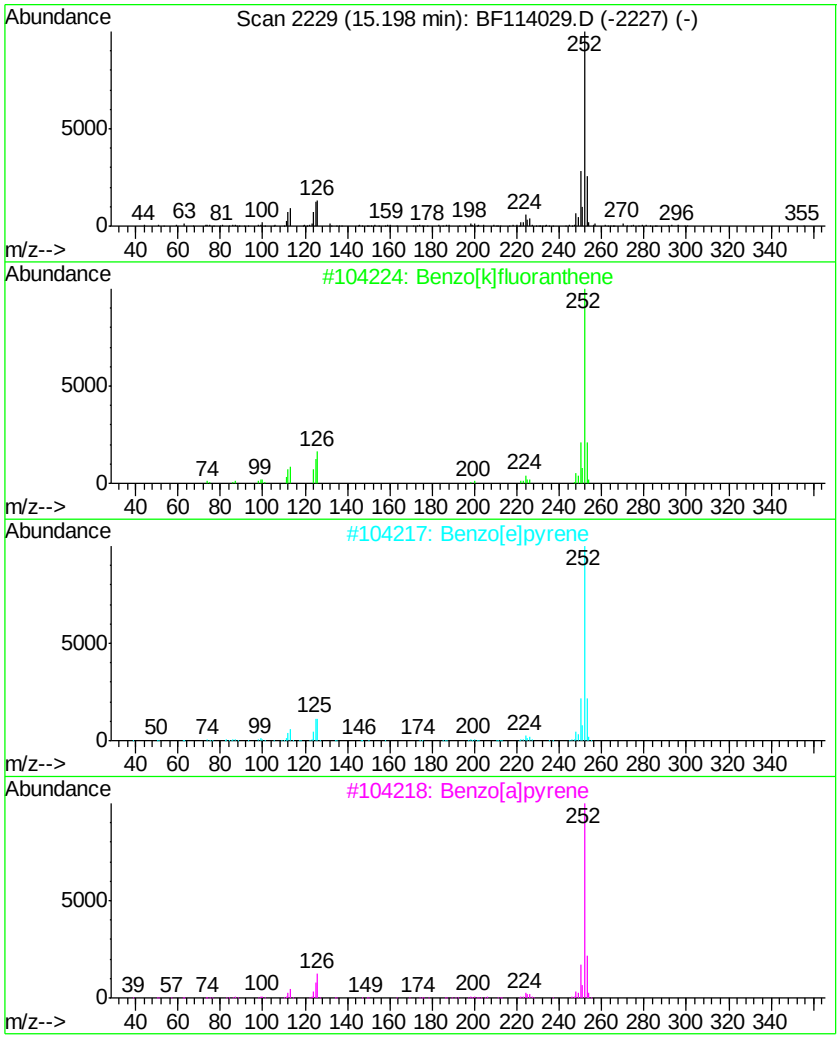
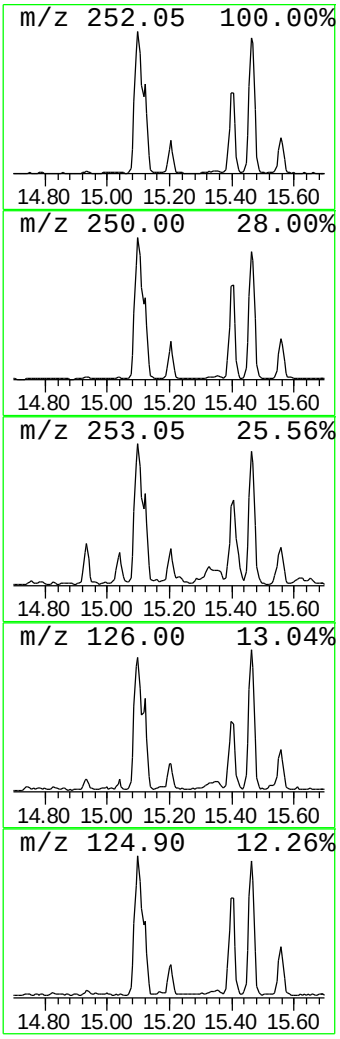
Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	3.94 ng	206960	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	74





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Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

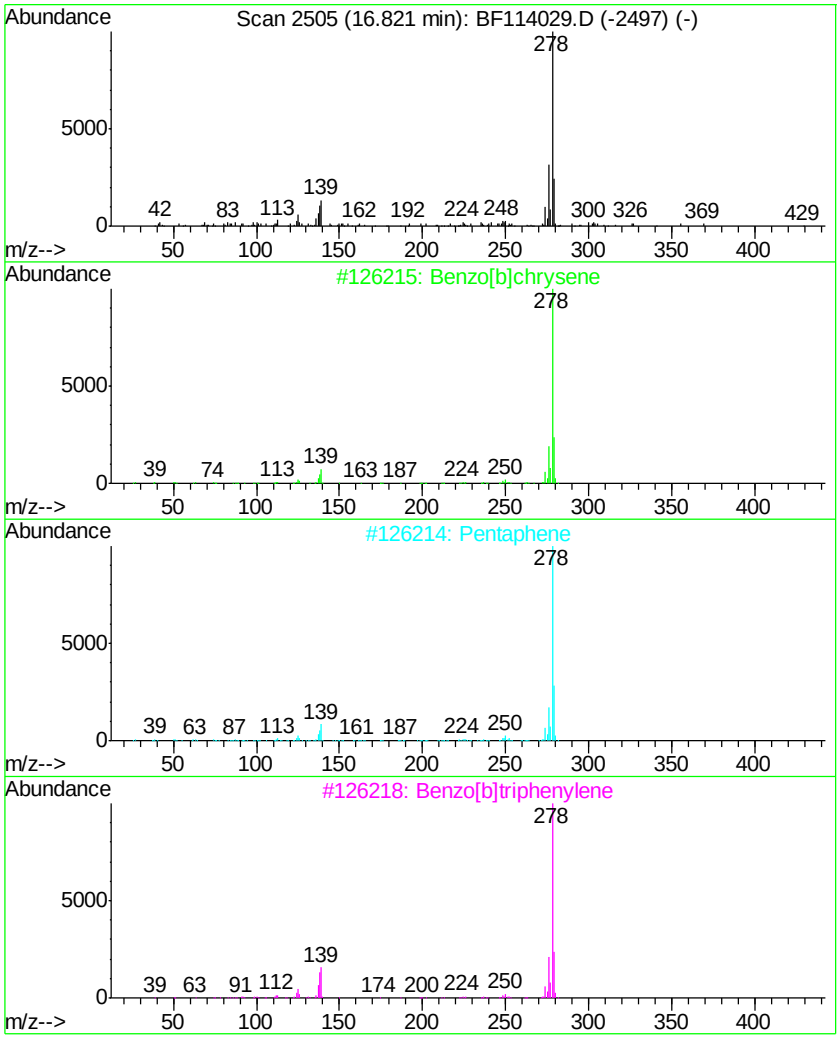
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

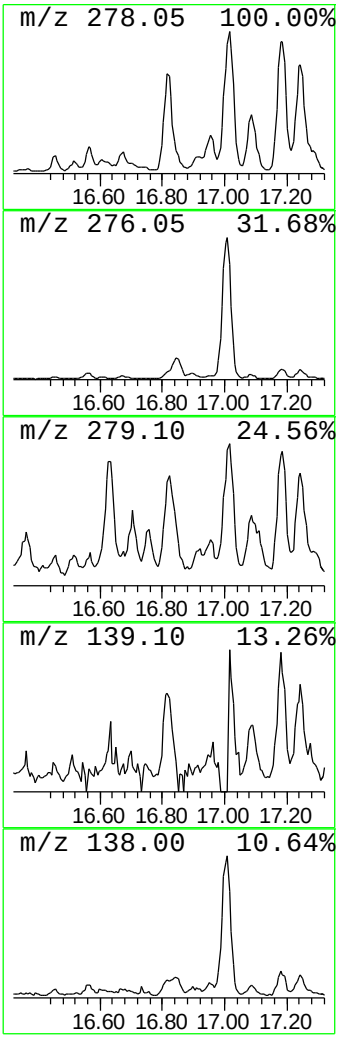
****

Peak Number 19 Benzo[b]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	3.44 ng	180465	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	95
2	Pentaphene	278	C22H14	000222-93-5	94
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
4	Picene	278	C22H14	000213-46-7	93
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114029.D
Acq On : 29 Apr 2019 18:10
Operator : JU/SJ
Sample : K2564-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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	61.3	ng	2182390	1	6.89	712316	20.0
9H-Fluorene, 2-me...	11.02	3.2	ng	191330	4	11.41	1211260	20.0
Anthracene, 1,2,3...	11.27	3.5	ng	210521	4	11.41	1211260	20.0
Dibenzothiophene	11.30	3.1	ng	186341	4	11.41	1211260	20.0
Phenanthrene, 2-m...	11.91	7.2	ng	433826	4	11.41	1211260	20.0
Phenanthrene, 1-m...	11.93	11.3	ng	684624	4	11.41	1211260	20.0
Anthracene, 1-met...	11.99	4.0	ng	242223	4	11.41	1211260	20.0
4H-Cyclopenta[def...	12.02	10.9	ng	658264	4	11.41	1211260	20.0
1H-Indene, 2-phenyl-	12.05	3.9	ng	236028	4	11.41	1211260	20.0
Naphthalene, 2-ph...	12.20	3.9	ng	235665	4	11.41	1211260	20.0
Phenanthrene, 2,5...	12.46	4.9	ng	296798	4	11.41	1211260	20.0
unknown12.50	12.50	3.5	ng	210980	4	11.41	1211260	20.0
Cyclopenta(def)ph...	12.55	3.0	ng	179628	4	11.41	1211260	20.0
Fluoranthene, 2-m...	13.07	3.0	ng	361975	5	14.04	2442120	20.0
11H-Benzo[b]fluorene	13.17	3.9	ng	478008	5	14.04	2442120	20.0
Benzo[e]pyrene	15.20	3.9	ng	206960	6	15.53	1050740	20.0
Benzo[b]chrysene	16.82	3.4	ng	180465	6	15.53	1050740	20.0