LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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	573	576	591	rBV	393041	470607	11.67%	0.877%
2	6.486	745	748	768	rBV	496741	535564	13.28%	0.998%
3	6.622	768	771	779	rBV	593677	546893	13.56%	1.019%
4	6.851	806	810	821	rBV	1881963	1523413	37.77%	2.838%
5	7.004	833	836	847	rBV	413957	411805	10.21%	0.767%
6	7.410	901	905	920	rBV	312325	324460	8.04%	0.604%
7	8.133	1024	1028	1031	rBV	2336683	1977872	49.04%	3.685%
8	8.780	1131	1138	1144	rVB	43658	71212	1.77%	0.133%
9	8.845	1146	1149	1154	rBV	74876	66530	1.65%	0.124%
10	9.204	1207	1210	1221	rBV	631837	535419	13.28%	0.998%
11	9.610	1275	1279	1285	rVB2	109026	150497	3.73%	0.280%
12	9.745	1299	1302	1311	rBV	490108	414846	10.29%	0.773%
13	9.886	1322	1326	1331	rBV	2327527	2029427	50.32%	3.781%
14	10.198	1375	1379	1383	rBV2	57061	74059	1.84%	0.138%
15	10.339	1400	1403	1405	rBV2	84619	64368	1.60%	0.120%
16	10.445	1416	1421	1425	rVB3	65434	100282	2.49%	0.187%
17	10.674	1455	1460	1464	rBV	338817	342321	8.49%	0.638%
18	10.798	1477	1481	1487	rVB3	103865	113170	2.81%	0.211%
19	10.980	1508	1512	1515	rBV4	66871	100557	2.49%	0.187%
20	11.133	1535	1538	1542	rVB	85962	71256	1.77%	0.133%
21	11.174	1542	1545	1549	rVB	130096	109402	2.71%	0.204%
22	11.269	1558	1561	1566	rVB	175594	169471	4.20%	0.316%
23	11.369	1574	1578	1580	rBV	2154286	1997212	49.52%	3.721%
24	11.392	1580	1582	1588	rVV	2122107	1854024	45.97%	3.454%
25	11.445	1588	1591	1594	rVV	334718	275853	6.84%	0.514%
26	11.474	1594	1596	1600	rVB2	74863	81980	2.03%	0.153%
27	11.551	1606	1609	1612	rVB	70999	70938	1.76%	0.132%
28	11.663	1622	1628	1631	rVB2	279497	275661	6.83%	0.514%
29	11.704	1631	1635	1639	rBV	227299	203591	5.05%	0.379%
30	11.763	1642	1645	1647	rBV2	76061	77493	1.92%	0.144%
31	11.786	1647	1649	1652	rVB	106228	102672	2.55%	0.191%
32	11.827	1652	1656	1659	rBV2	93179	105401	2.61%	0.196%
33	11.874	1660	1664	1666	rVV	639570	622850	15.44%	1.160%
34	11.898	1666	1668	1672	rVB	755900	663911	16.46%	1.237%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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	11.945	1674	1676	1679	rVB	112584	93978	2.33%	0.175%
36	11.980	1679	1682	1685	rBV2	902178	967443	23.99%	1.802%
37	12.004	1685	1686	1691	rVB	591656	442662	10.98%	0.825%
38	12.057	1692	1695	1697	rBV2	69391	87453	2.17%	0.163%
39	12.104	1701	1703	1706	rBV	113787	92084	2.28%	0.172%
40	12.163	1710	1713	1716	rVV	587562	546307	13.55%	1.018%
41	12.192	1716	1718	1724	rVB2	535161	512934	12.72%	0.956%
42	12.298	1733	1736	1737	rBV	101117	83950	2.08%	0.156%
43	12.316	1737	1739	1742	rVB	123835	93681	2.32%	0.175%
44	12.345	1742	1744	1747	rBV	139396	103158	2.56%	0.192%
45	12.368	1747	1748	1751	rVB	123815	93544	2.32%	0.174%
46	12.421	1751	1757	1760	rBV2	581042	699164	17.34%	1.303%
47	12.457	1760	1763	1765	rVV2	241725	270827	6.72%	0.505%
48	12.480	1765	1767	1769	rVB	177927	134178	3.33%	0.250%
49	12.510	1769	1772	1776	rBV	511259	553519	13.72%	1.031%
50	12.586	1779	1785	1788	rBV	2711643	2374948	58.89%	4.425%
51	12.627	1788	1792	1794	rBV	166507	147491	3.66%	0.275%
52	12.645	1794	1795	1798	rVB2	128695	105023	2.60%	0.196%
53	12.680	1798	1801	1804	rBV	486586	415609	10.30%	0.774%
54	12.715	1804	1807	1809	rBV2	207865	192166	4.76%	0.358%
55	12.739	1809	1811	1812	rVV2	68065	69342	1.72%	0.129%
56	12.751	1812	1813	1819	rVB	160863	141105	3.50%	0.263%
57	12.815	1819	1824	1827	rBV	4408577	4033085	100.00%	7.514%
58	12.868	1830	1833	1836	rVB3	174399	196021	4.86%	0.365%
59	12.951	1844	1847	1849	rBV	438239	396335	9.83%	0.738%
60	13.027	1857	1860	1867	rBV2	453670	699601	17.35%	1.303%
61	13.086	1867	1870	1872	rBV2	133171	111256	2.76%	0.207%
62	13.115	1872	1875	1877	rBV3	419441	522989	12.97%	0.974%
63	13.186	1884	1887	1888	rBV2	71793	68088	1.69%	0.127%
64	13.204	1888	1890	1894	rVV2	138280	150054	3.72%	0.280%
65	13.245	1894	1897	1904	rVV	733376	662560	16.43%	1.234%
66	13.310	1905	1908	1910	rVV2	69463	79088	1.96%	0.147%
67	13.339	1910	1913	1915	rVV	637128	551038	13.66%	1.027%
68	13.368	1915	1918	1921	rVB	550682	465437	11.54%	0.867%
69	13.457	1930	1933	1936	rVB2	105109	112699	2.79%	0.210%
70	13.645	1962	1965	1970	rVB	423422	440719	10.93%	0.821%
71	13.710	1974	1976	1978	rVB	90998	68251	1.69%	0.127%

LSC Area Percent Report

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Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

72	13.757	1978	1984	1987	rBV2	462366	626638	15.54%	1.167%
73	13.786	1987	1989	1991	rVV	524195	416259	10.32%	0.776%
74	13.810	1991	1993	1996	rVV	409719	369668	9.17%	0.689%
75	13.857	1996	2001	2005	rVB2	335739	431947	10.71%	0.805%
76	14.010	2021	2027	2029	rBV2	2495572	3612208	89.56%	6.730%
77	14.033	2029	2031	2037	rVB	1688569	1729182	42.87%	3.222%
78	14.098	2040	2042	2046	rBV3	111679	111095	2.75%	0.207%
79	14.133	2046	2048	2049	rBV2	124689	97643	2.42%	0.182%
80	14.157	2049	2052	2055	rBV	507864	476543	11.82%	0.888%
81	14.268	2068	2071	2074	rVV5	137060	142478	3.53%	0.265%
82	14.333	2079	2082	2084	rVB4	76043	79405	1.97%	0.148%
83	14.362	2084	2087	2089	rBV	178280	184794	4.58%	0.344%
84	14.398	2089	2093	2096	rVV	578029	670109	16.62%	1.248%
85	14.433	2096	2099	2102	rVV2	374126	429723	10.65%	0.801%
86	14.480	2103	2107	2111	rVV3	315737	550703	13.65%	1.026%
87	14.521	2111	2114	2116	rVV3	328445	367495	9.11%	0.685%
88	14.545	2116	2118	2121	rVV	315017	283993	7.04%	0.529%
89	14.592	2124	2126	2130	rVB	239647	215707	5.35%	0.402%
90	14.733	2147	2150	2155	rVB3	81370	116822	2.90%	0.218%
91	14.786	2156	2159	2162	rVV4	79728	112892	2.80%	0.210%
92	14.821	2162	2165	2168	rVB2	210221	206581	5.12%	0.385%
93	14.880	2173	2175	2178	rBV	81893	108787	2.70%	0.203%
94	15.057	2200	2205	2212	rBV	1314512	2410037	59.76%	4.490%
95	15.162	2219	2223	2227	rVB	280272	332848	8.25%	0.620%
96	15.357	2251	2256	2261	rVB	1115996	1396840	34.63%	2.602%
97	15.415	2262	2266	2271	rBV	1212482	1472768	36.52%	2.744%
98	15.480	2271	2277	2281	rBV	1260466	1700152	42.16%	3.168%
99	16.945	2520	2526	2532	rVB2	462364	857285	21.26%	1.597%
100	17.392	2596	2602	2611	rVB	424843	851063	21.10%	1.586%

Sum of corrected areas: 53674469

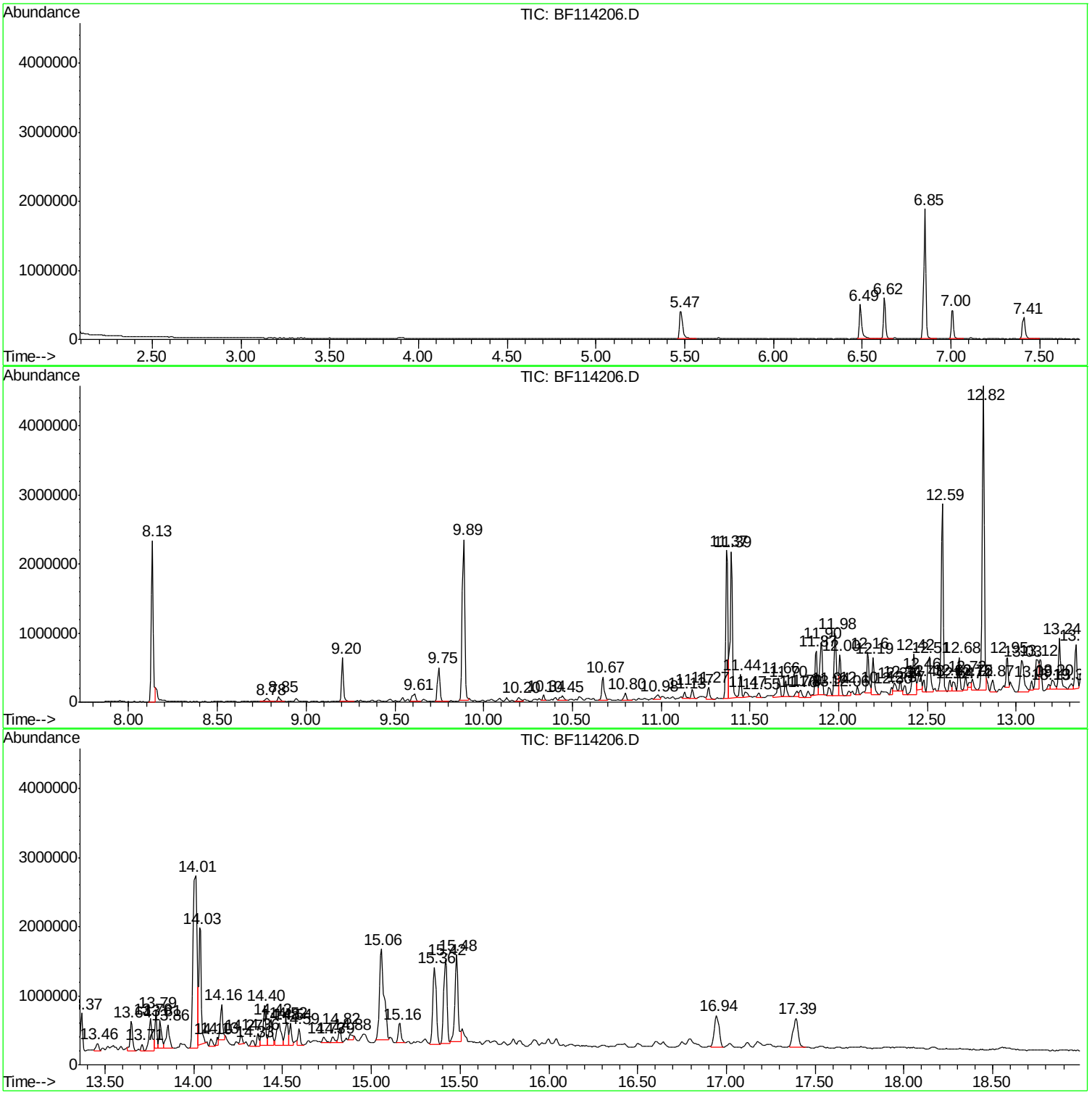
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

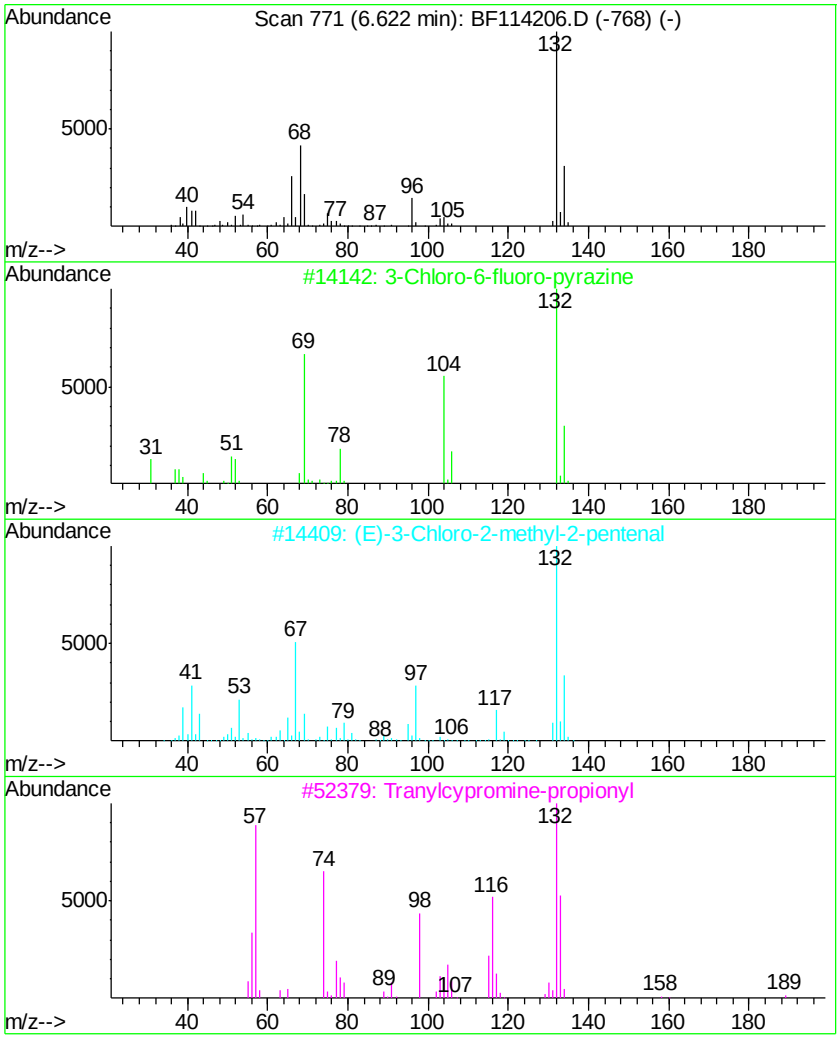
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

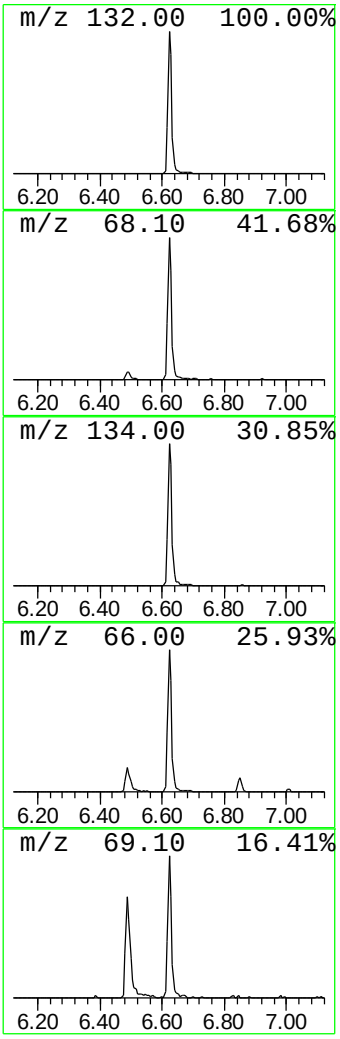
****

Peak Number 1 unknown6.62 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	7.18 ng	546893	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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	5-Aminoindole	132	C8H8N2	005192-03-0	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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Acq On : 12 May 2019 21:16
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

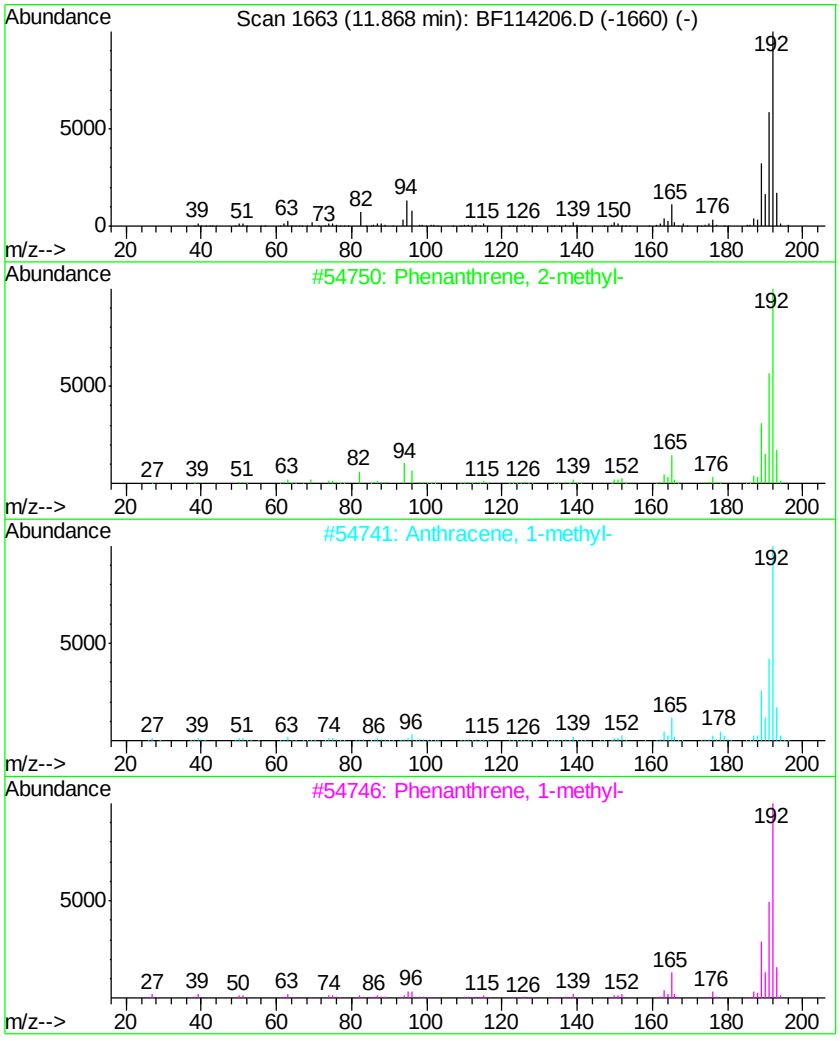
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

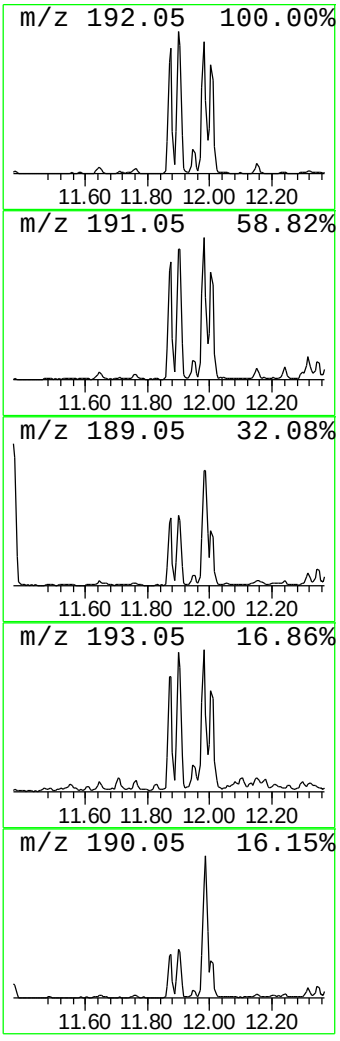
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	6.24 ng	622850	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

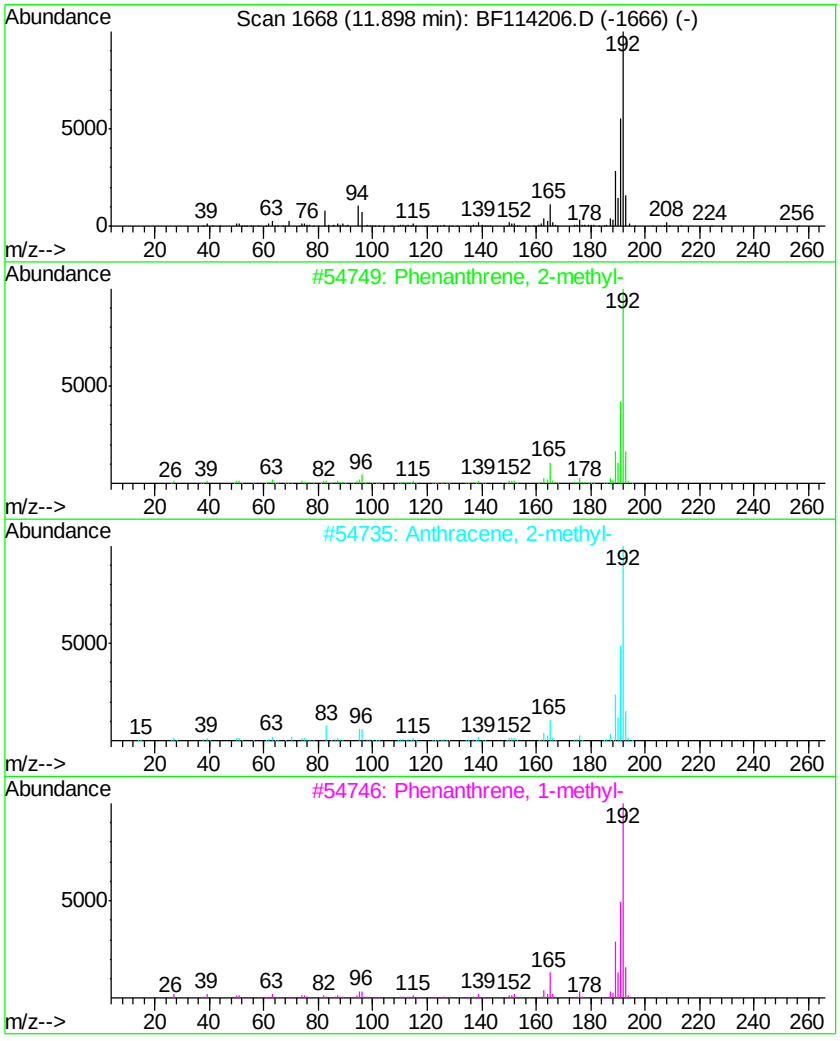
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

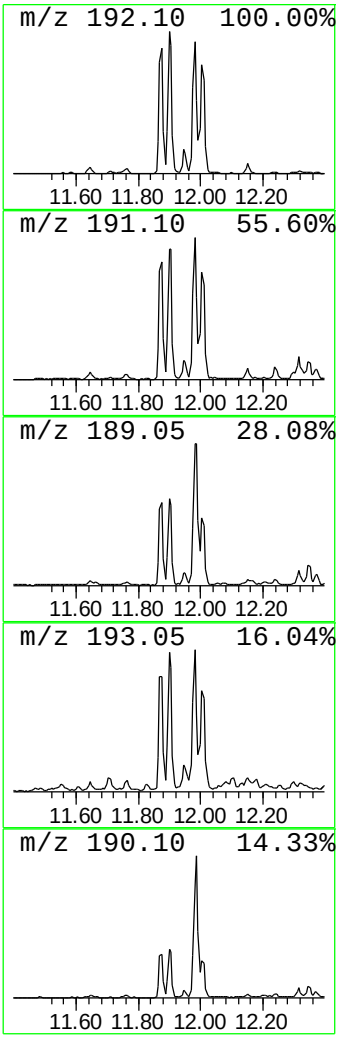
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.65 ng	663911	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

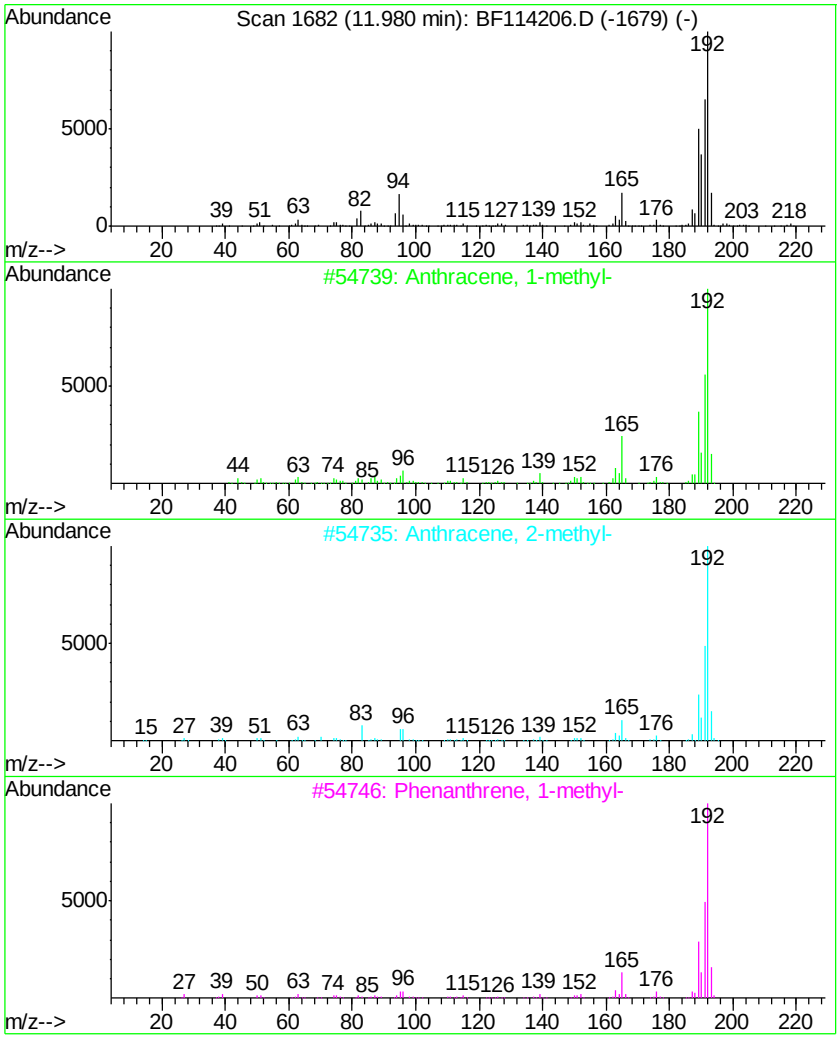
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

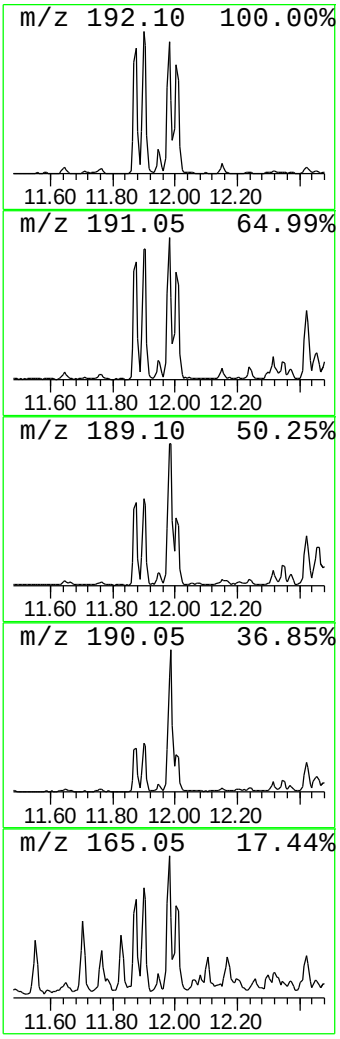
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.69 ng	967443	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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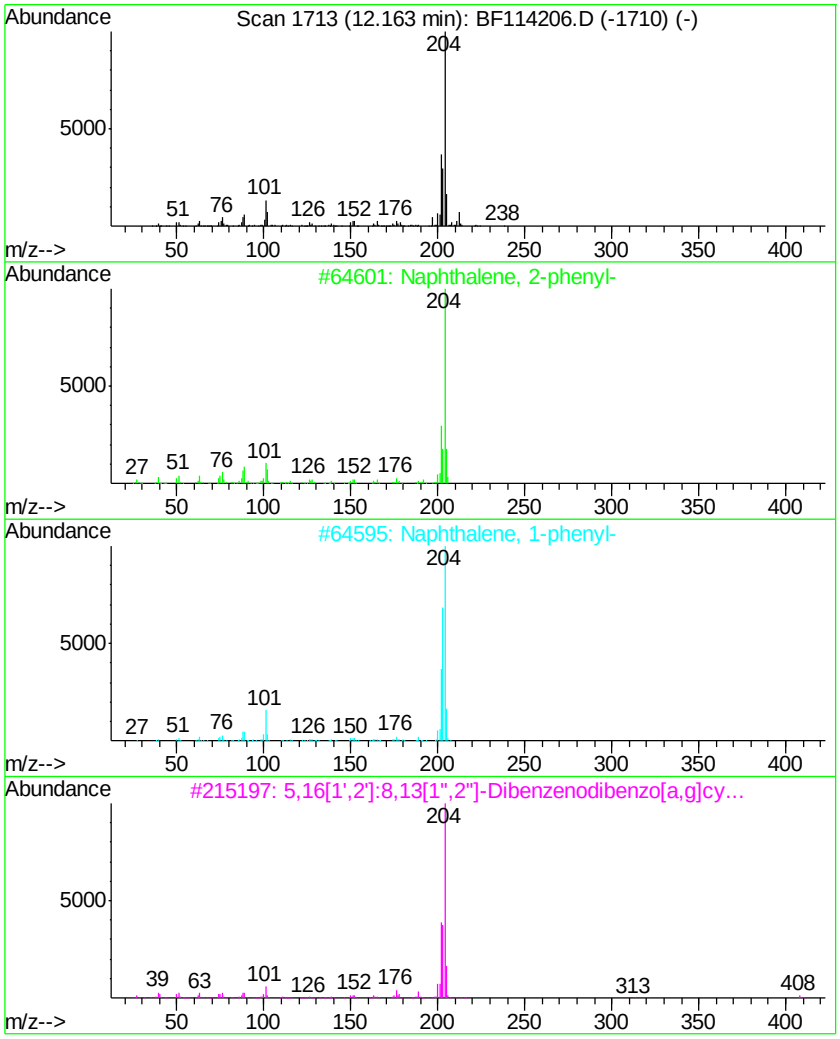
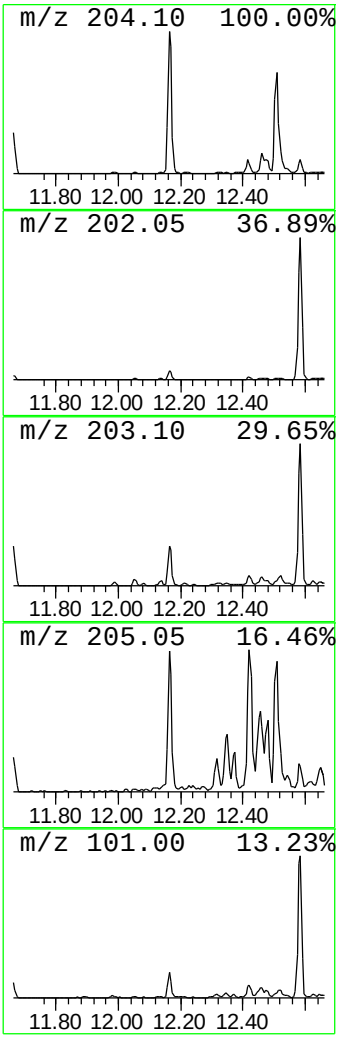
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	5.47 ng	546307	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Operator : JU/SJ
Sample : K2766-19 10X
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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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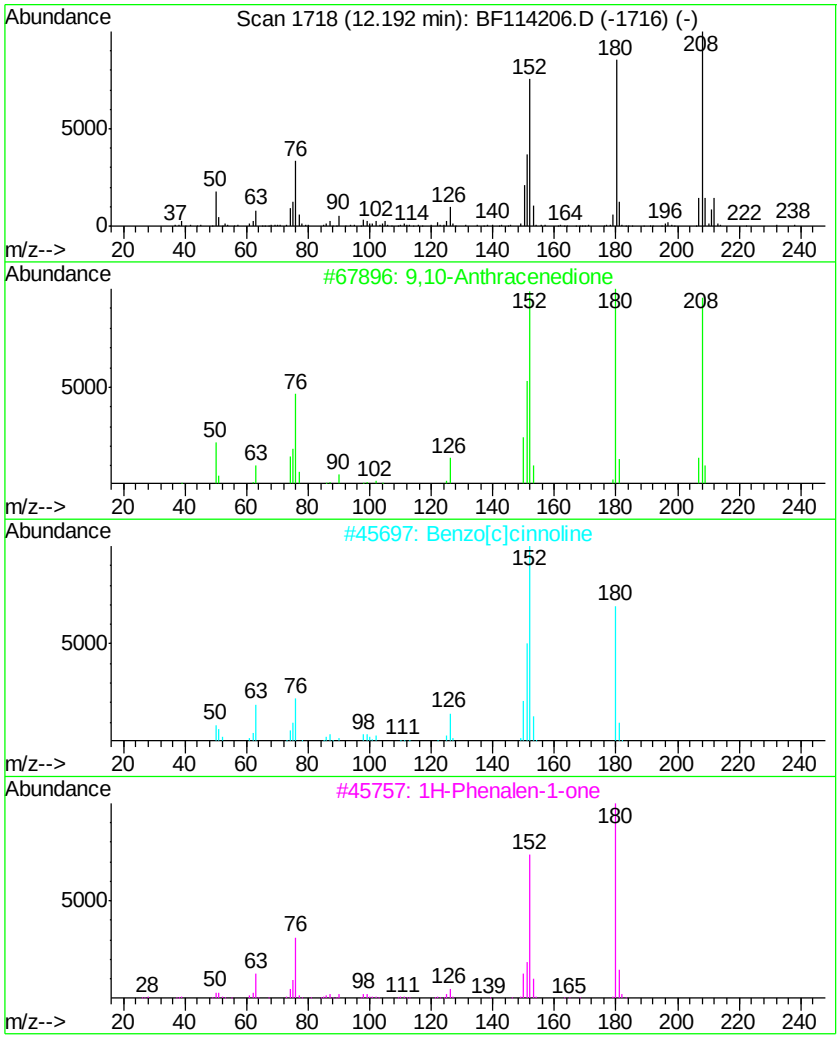
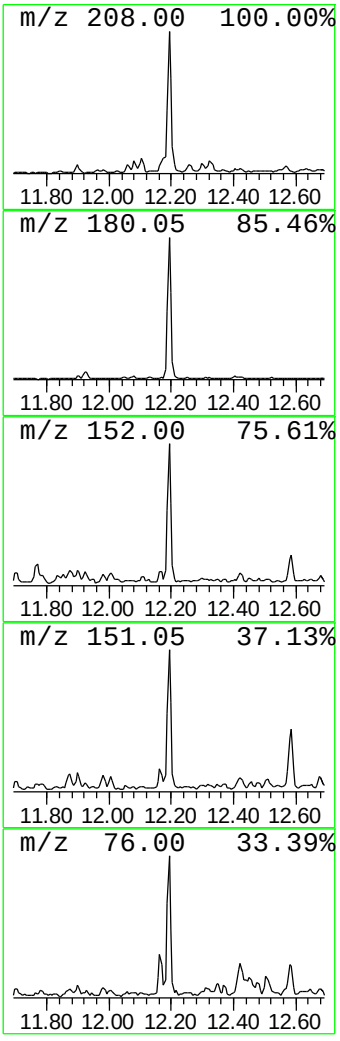
Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	5.14 ng	512934	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	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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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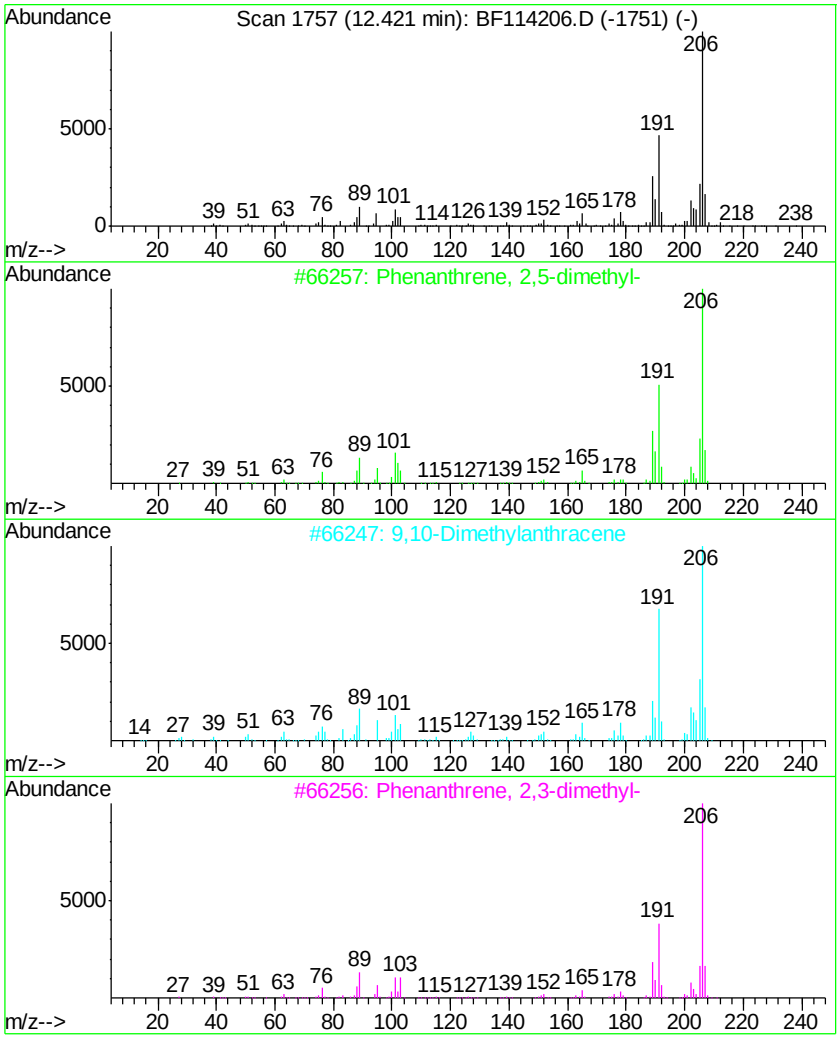
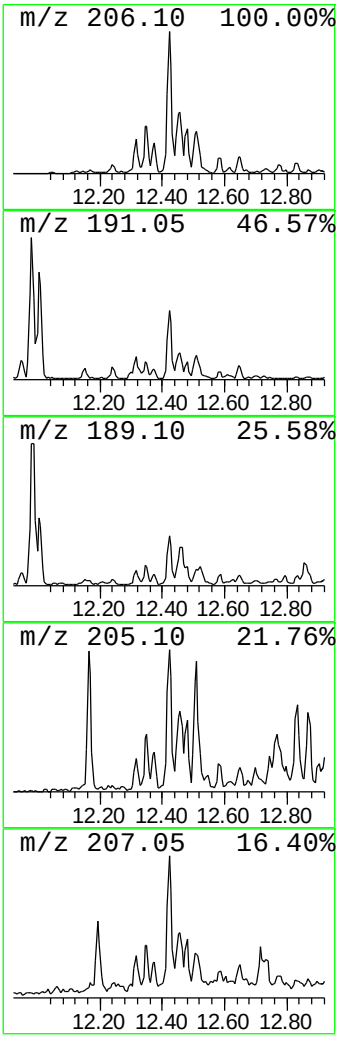
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.00 ng	699164	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Sample : K2766-19 10X
Misc :
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ClientSampleId : P026-SS009-0206-01

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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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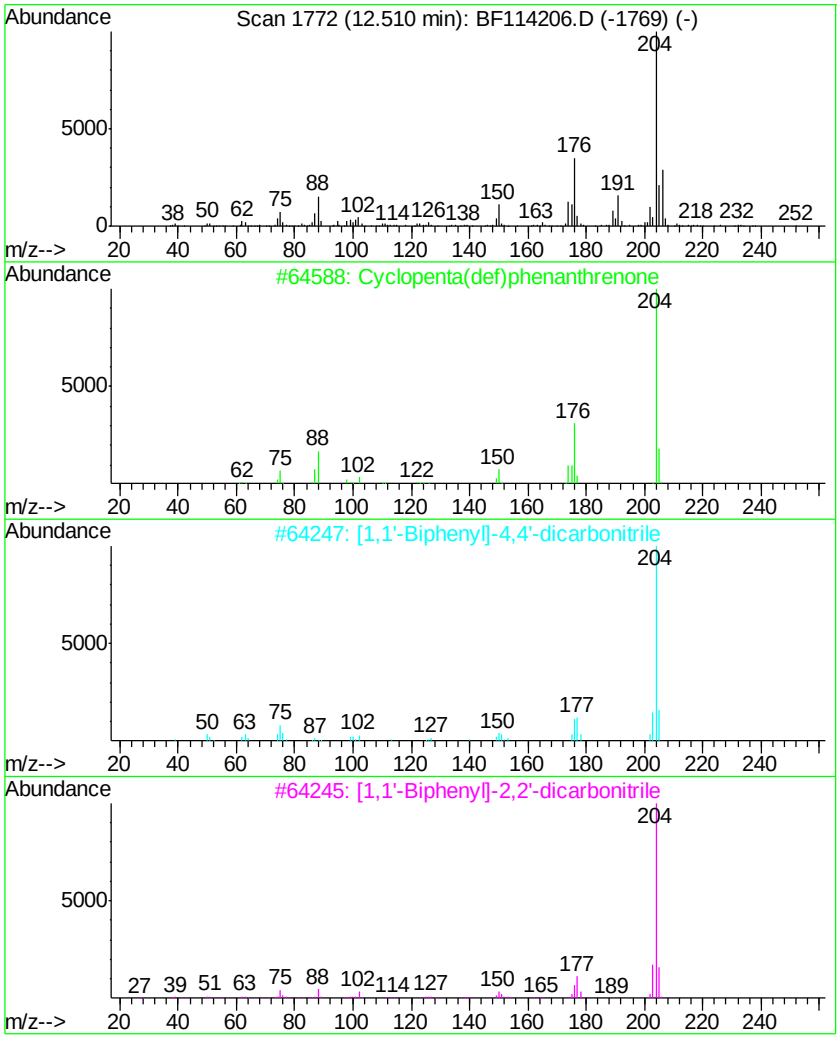
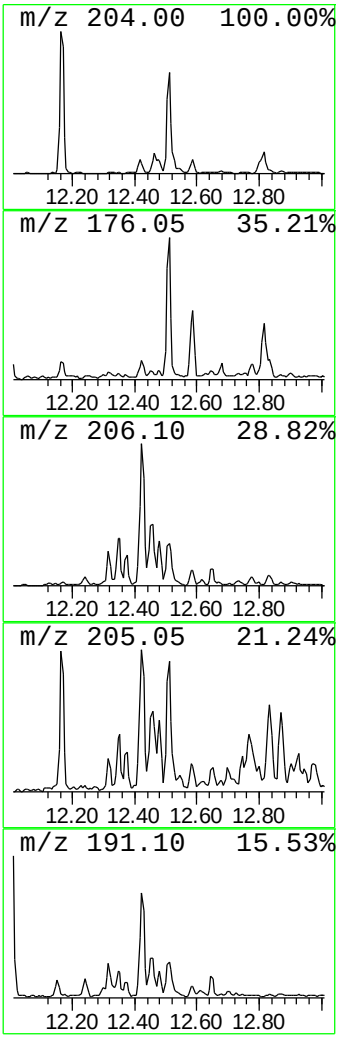
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	5.54 ng	553519	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	46





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Acq On : 12 May 2019 21:16
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Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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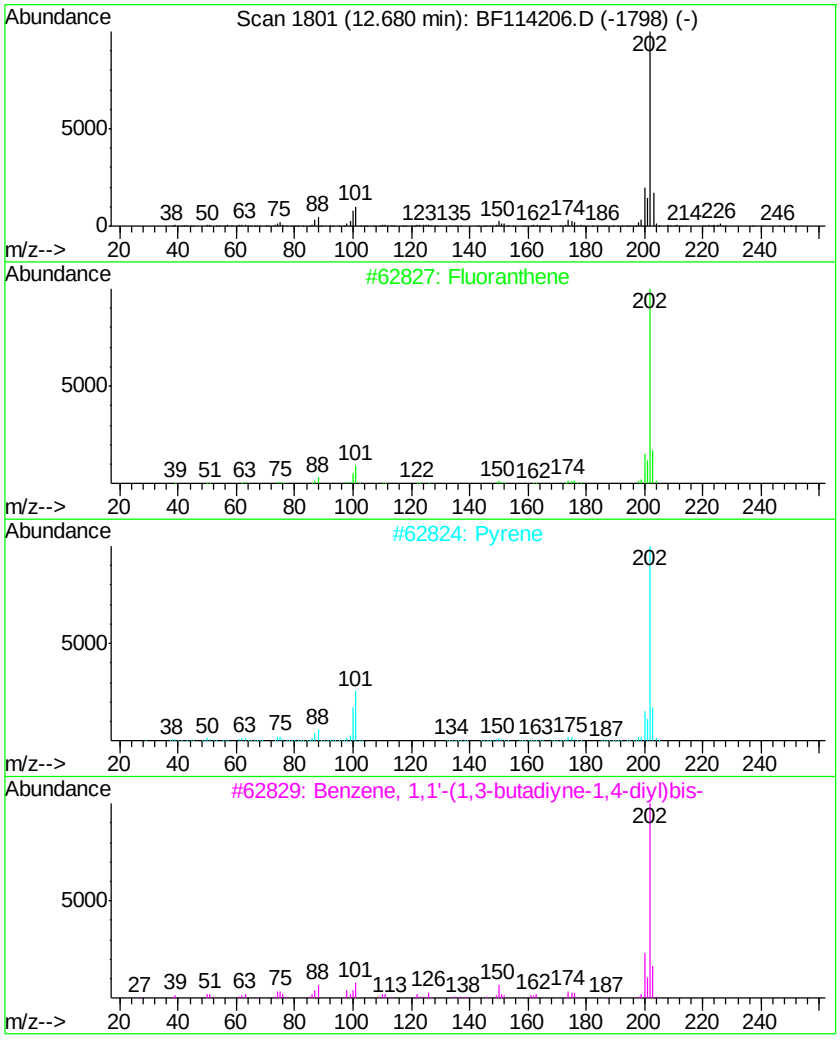
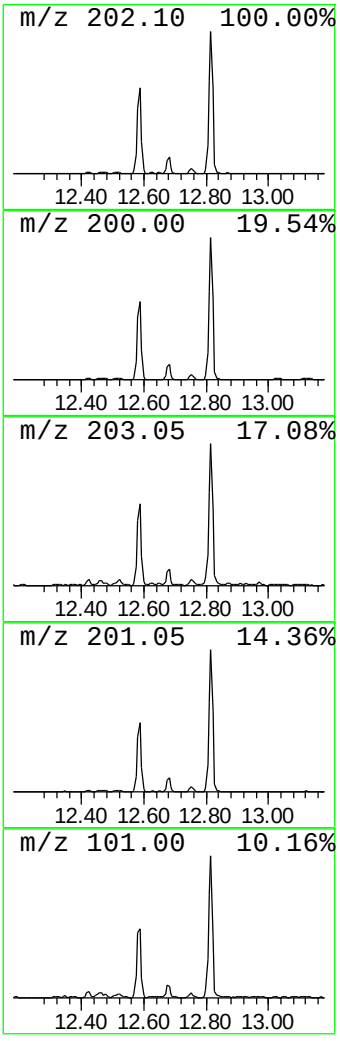
Peak Number 11 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	4.16 ng	415609	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	81
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	81
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	52
5	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	40





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Acq On : 12 May 2019 21:16
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Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : P026-SS009-0206-01

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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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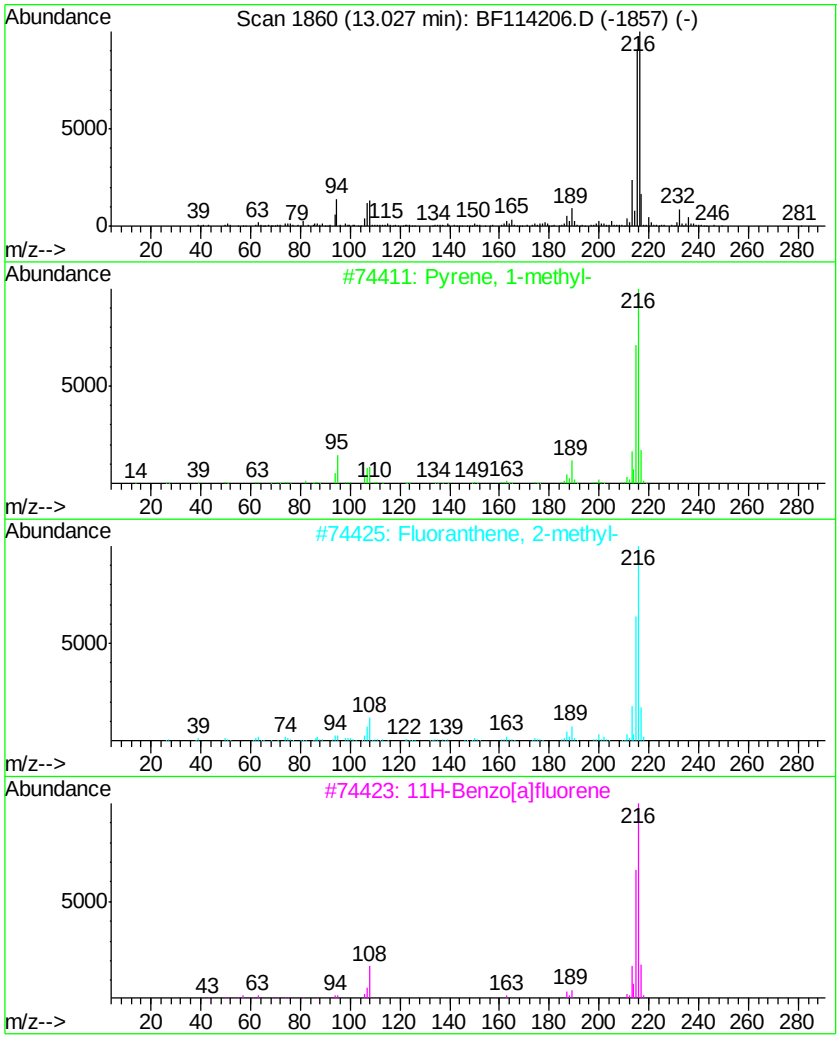
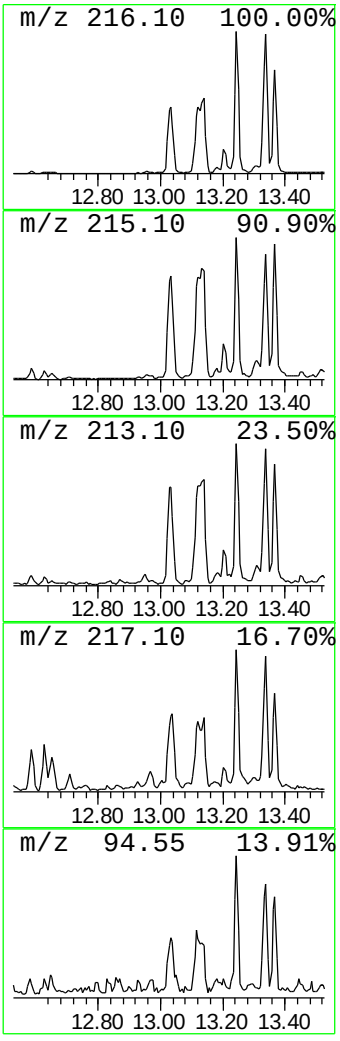
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	3.87 ng	699601	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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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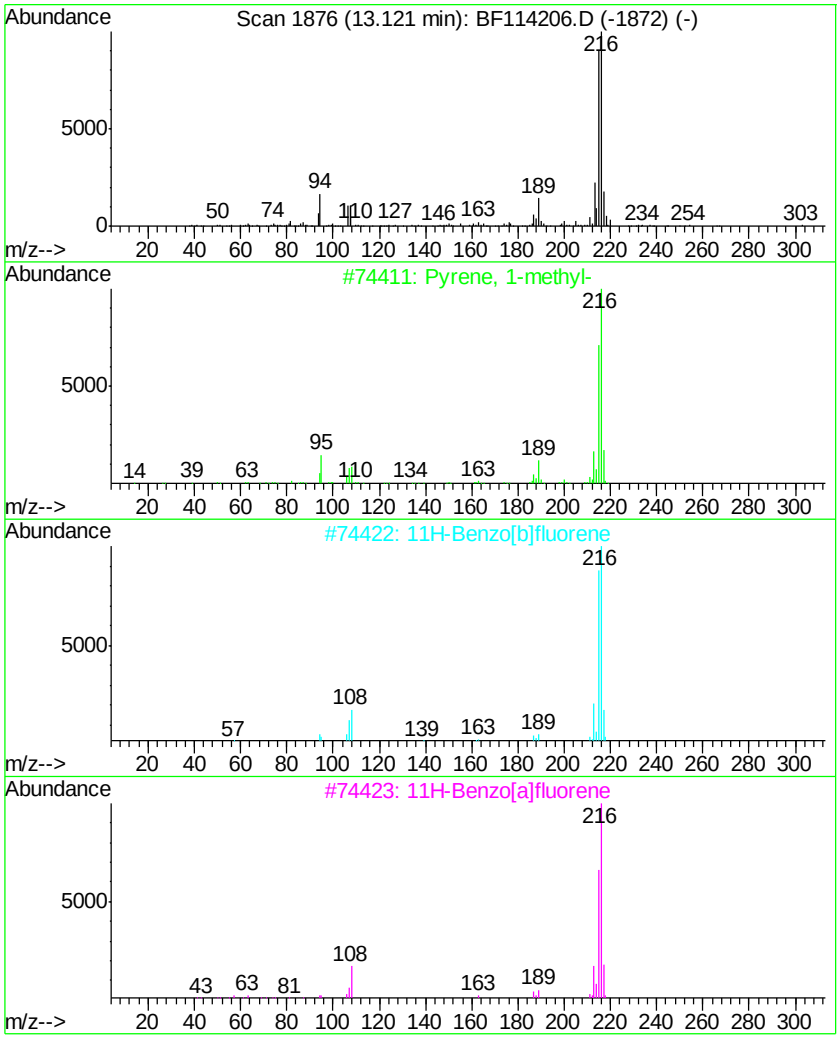
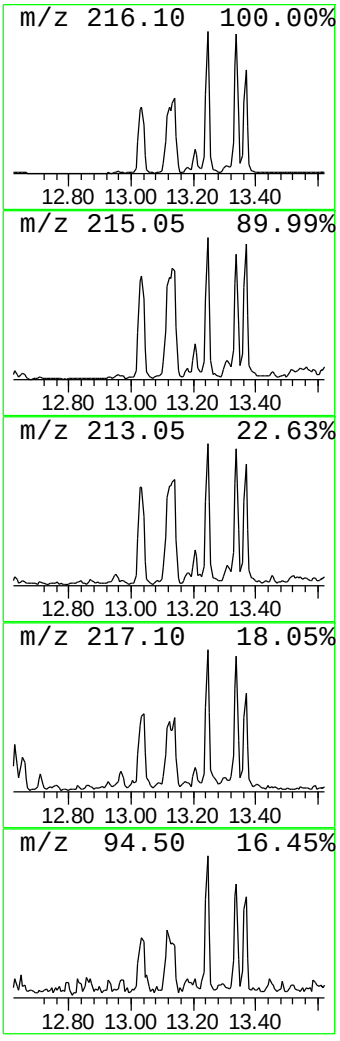
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.90 ng	522989	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Sample : K2766-19 10X
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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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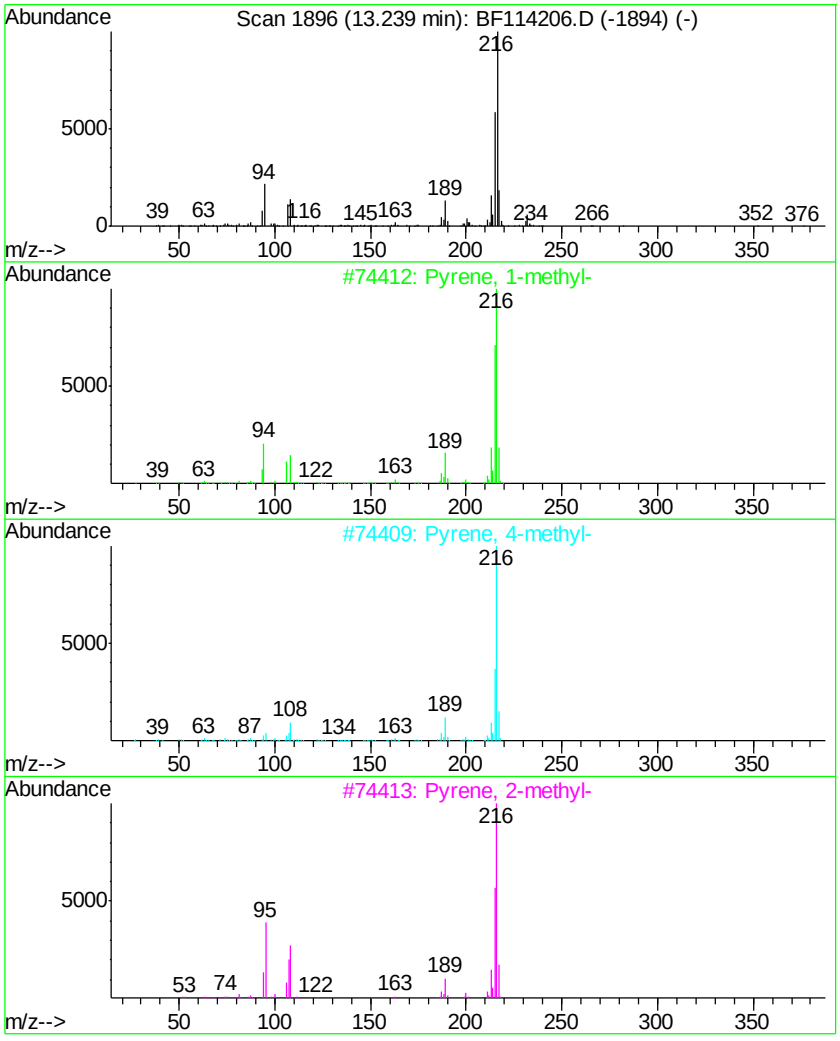
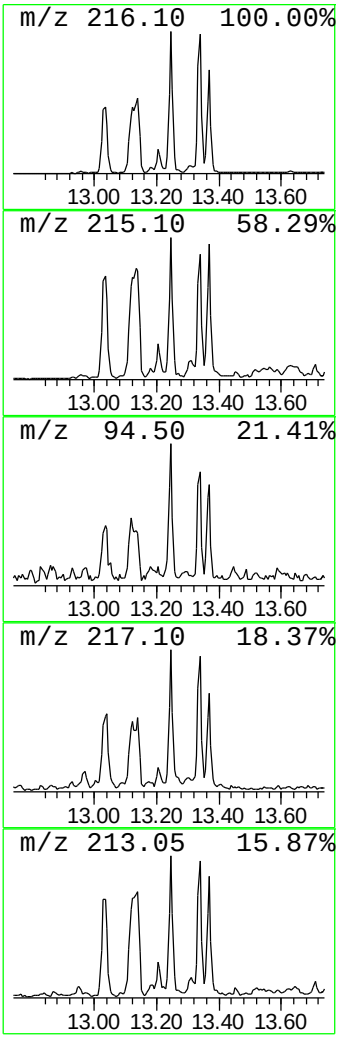
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	3.67 ng	662560	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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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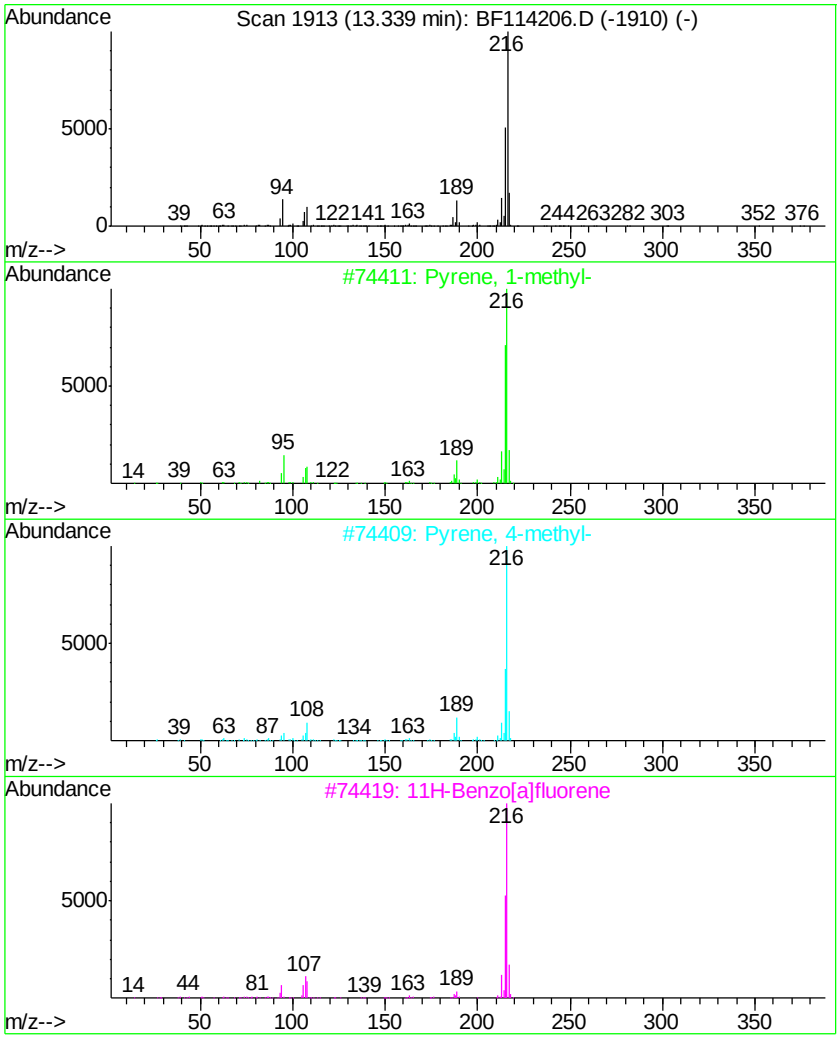
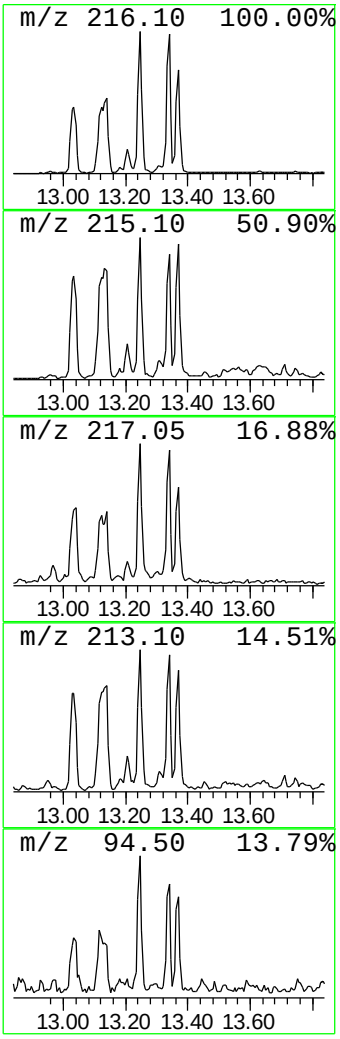
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.05 ng	551038	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Library Search Compound Report

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Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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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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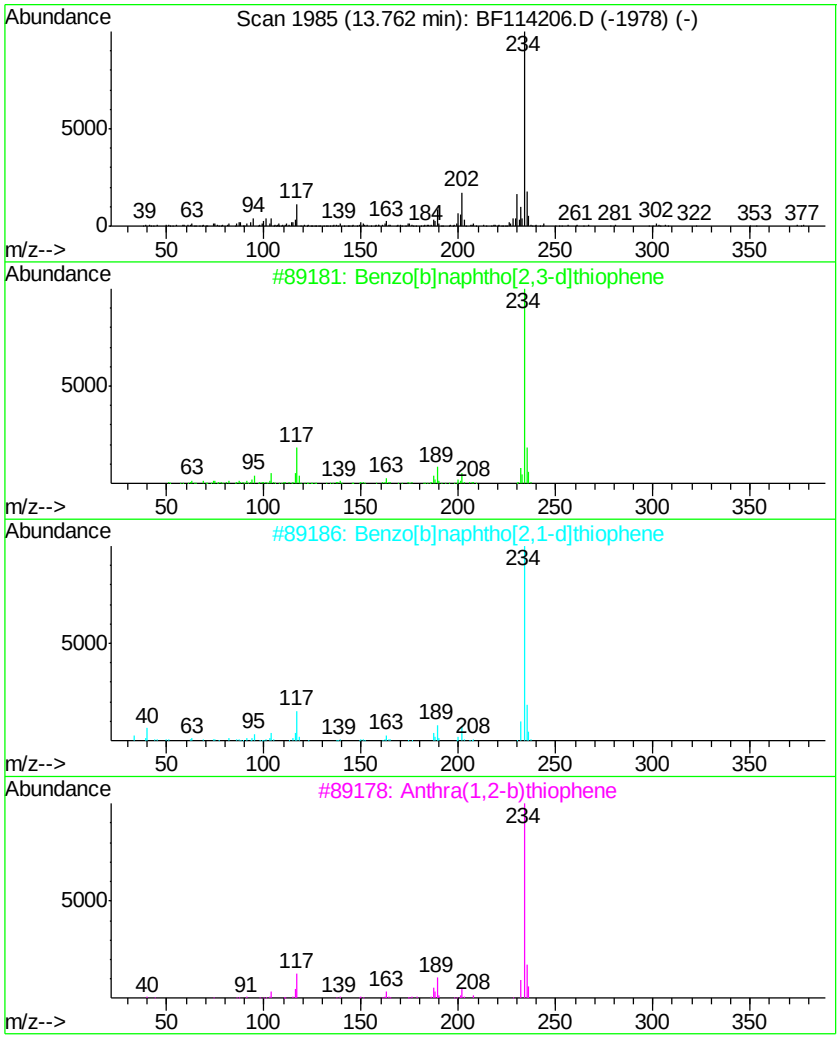
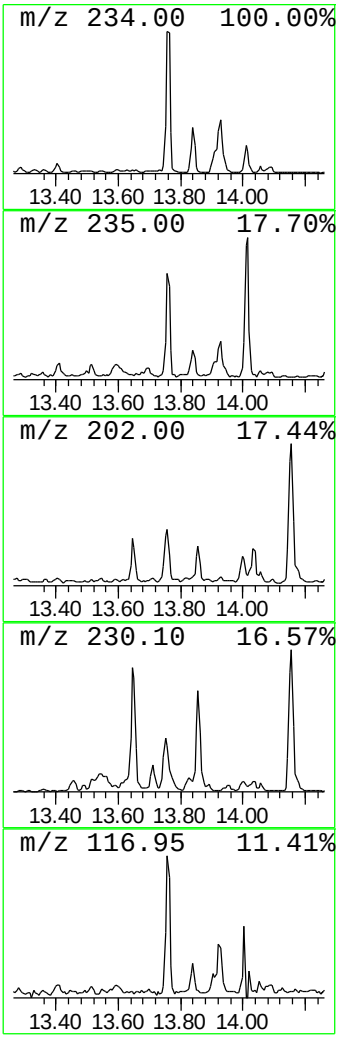
Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.47 ng	626638	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	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	64
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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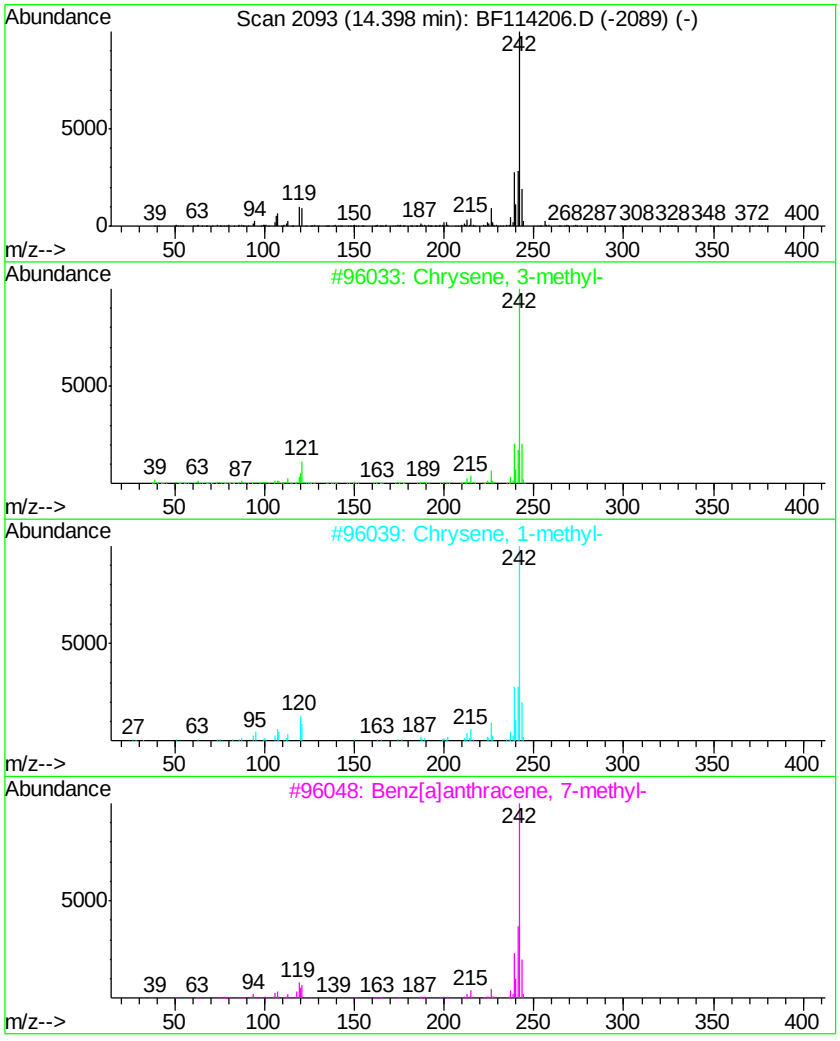
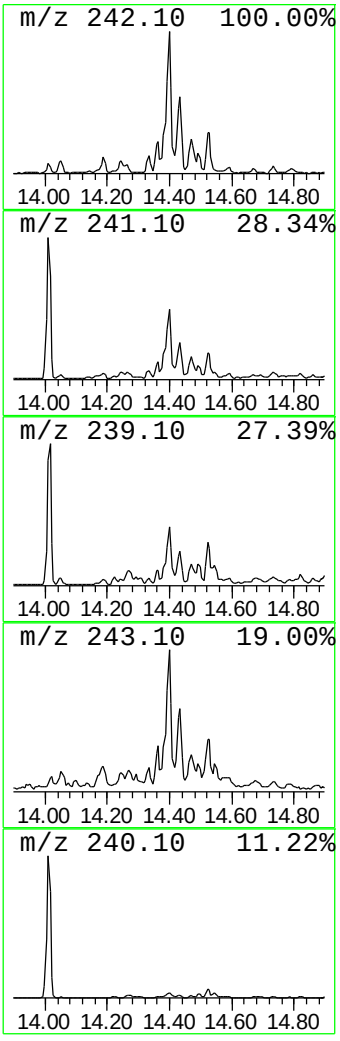
Peak Number 17 Chrysene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.71 ng	670109	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	2-Methylchrysene	242	C19H14	003351-32-4	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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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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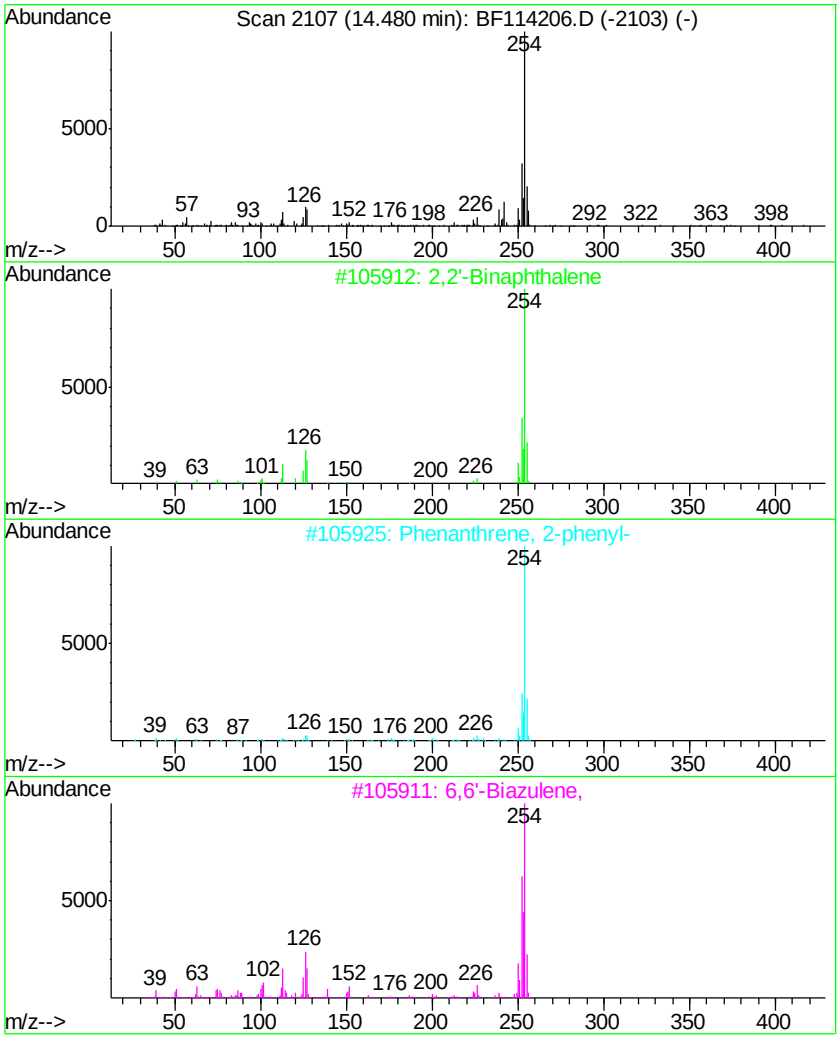
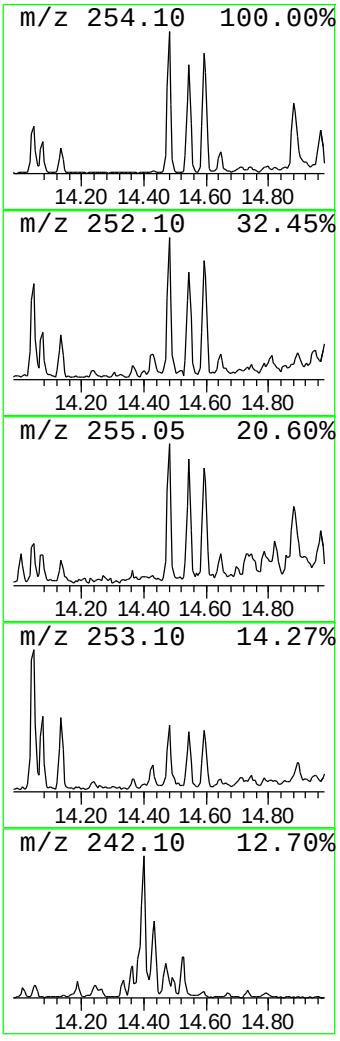
Peak Number 18 2,2'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	3.05 ng	550703	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	64
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	62
3	6,6'-Biazulene,	254	C20H14	073393-11-0	58
4	Acenaphtho(1,2-b)quinoxaline	254	C18H10N2	000207-11-4	58
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

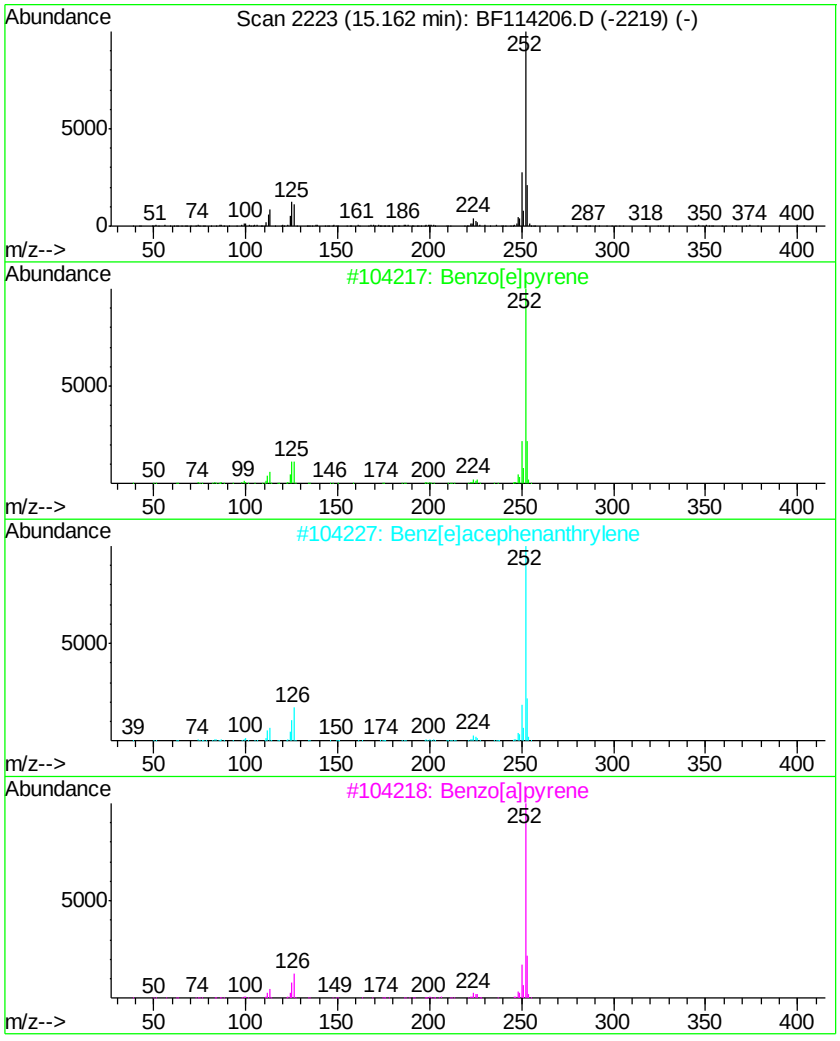
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

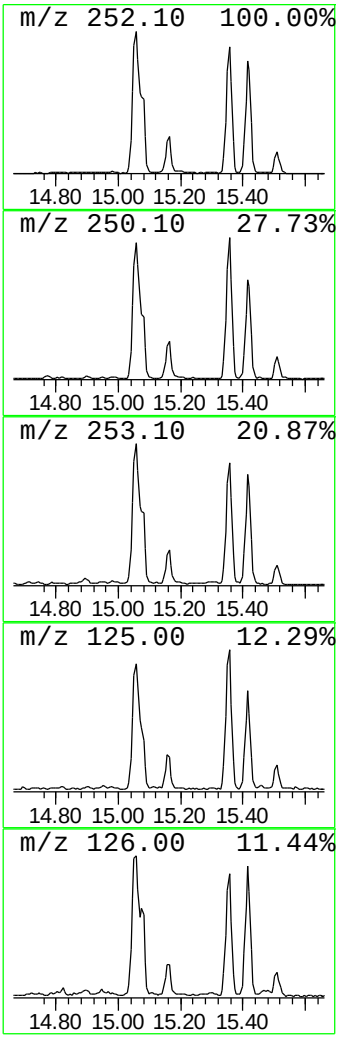
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	3.92 ng	332848	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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

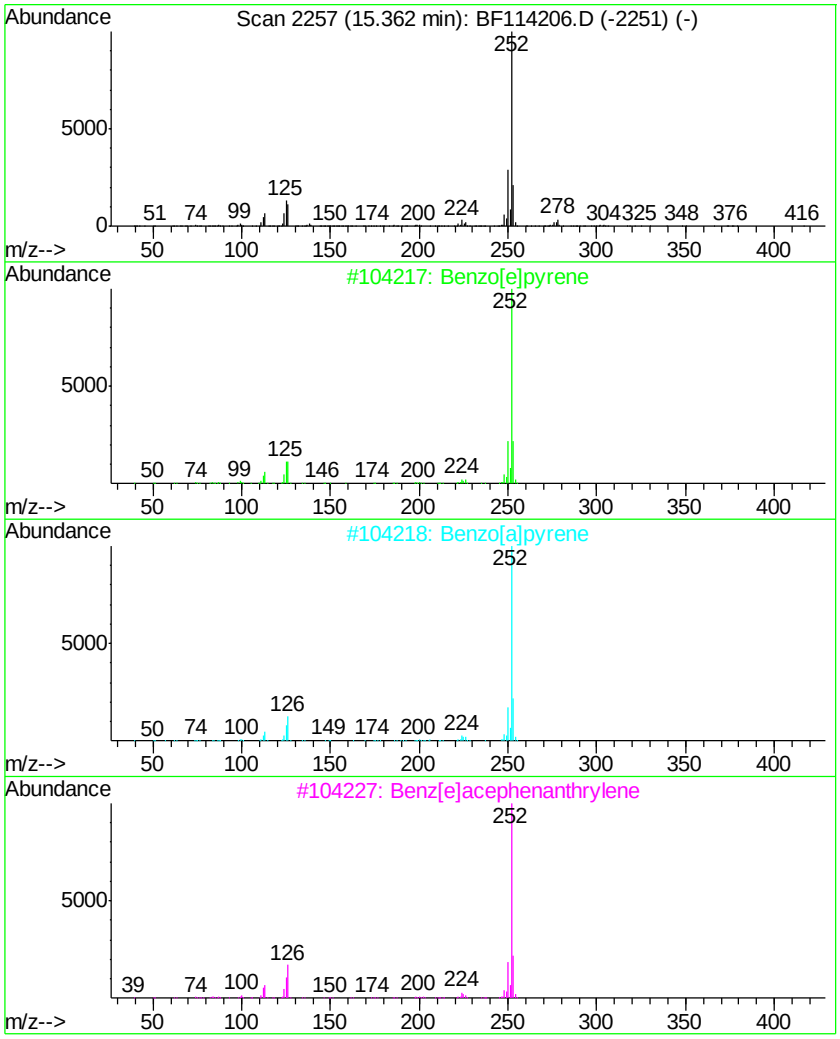
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

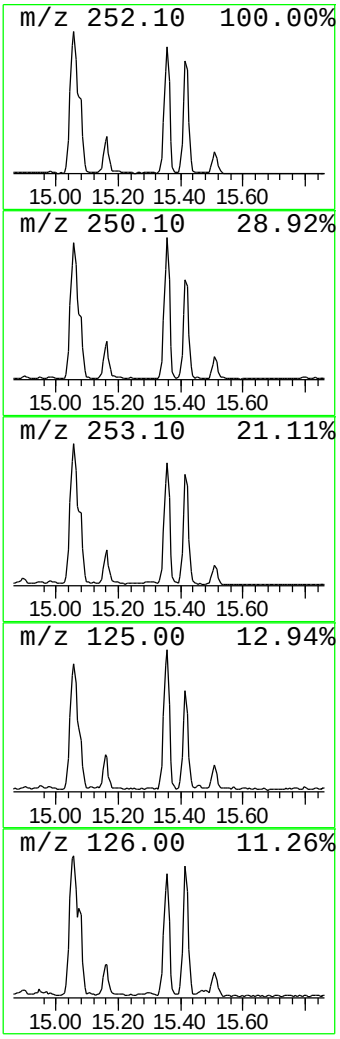
****

Peak Number 20 unknown15.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	16.43 ng	1396840	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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
Data File : BF114206.D
Acq On : 12 May 2019 21:16
Operator : JU/SJ
Sample : K2766-19 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0206-01

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	7.2	ng	546893	1	6.85	1523410	20.0
Phenanthrene, 2-m...	11.87	6.2	ng	622850	4	11.37	1997210	20.0
Anthracene, 2-met...	11.90	6.7	ng	663911	4	11.37	1997210	20.0
Anthracene, 1-met...	11.98	9.7	ng	967443	4	11.37	1997210	20.0
Naphthalene, 2-ph...	12.16	5.5	ng	546307	4	11.37	1997210	20.0
9,10-Anthracenedione	12.19	5.1	ng	512934	4	11.37	1997210	20.0
Phenanthrene, 2,5...	12.42	7.0	ng	699164	4	11.37	1997210	20.0
Cyclopenta(def)ph...	12.51	5.5	ng	553519	4	11.37	1997210	20.0
Benzene, 1,1'-(1,...	12.68	4.2	ng	415609	4	11.37	1997210	20.0
Pyrene, 1-methyl-	13.03	3.9	ng	699601	5	14.01	3612210	20.0
Fluoranthene, 2-m...	13.12	2.9	ng	522989	5	14.01	3612210	20.0
11H-Benzo[a]fluorene	13.24	3.7	ng	662560	5	14.01	3612210	20.0
Pyrene, 4-methyl-	13.34	3.0	ng	551038	5	14.01	3612210	20.0
Benzo[b]naphtho[2...	13.76	3.5	ng	626638	5	14.01	3612210	20.0
Chrysene, 3-methyl-	14.40	3.7	ng	670109	5	14.01	3612210	20.0
2,2'-Binaphthalene	14.48	3.0	ng	550703	5	14.01	3612210	20.0
Benzo[e]pyrene	15.16	3.9	ng	332848	6	15.48	1700150	20.0
unknown15.36	15.36	16.4	ng	1396840	6	15.48	1700150	20.0