LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

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-BF092218.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	5.310	544	548	563	rVB	953542	829866	66.07%	3.992%
2	6.340	719	723	731	rBV	1115232	928192	73.90%	4.465%
3	6.475	742	746	749	rBV	1094725	896148	71.35%	4.310%
4	6.710	782	786	789	rBV	984334	829676	66.06%	3.991%
5	6.863	809	812	815	rBV	803794	606609	48.30%	2.918%
6	7.263	877	880	888	rBV	678177	527921	42.03%	2.539%
7	7.992	1000	1004	1007	rBV	1233935	1064531	84.76%	5.120%
8	8.704	1120	1125	1130	rBV	39182	35347	2.81%	0.170%
9	8.798	1138	1141	1145	rBV	72913	57922	4.61%	0.279%
10	9.063	1183	1186	1189	rBV	972500	730046	58.13%	3.511%
11	9.328	1227	1231	1235	rBV2	39478	49664	3.95%	0.239%
12	9.398	1240	1243	1246	rVV	111998	106655	8.49%	0.513%
13	9.428	1246	1248	1250	rVV	64860	48012	3.82%	0.231%
14	9.457	1250	1253	1259	rVV	285813	233651	18.60%	1.124%
15	9.516	1260	1263	1269	rVB	58638	62141	4.95%	0.299%
16	9.598	1274	1277	1282	rVV	174238	137741	10.97%	0.663%
17	9.739	1295	1301	1305	rBV2	1290151	1077467	85.79%	5.183%
18	9.945	1330	1336	1339	rBV	65814	61726	4.91%	0.297%
19	9.980	1339	1342	1345	rVB	61116	53076	4.23%	0.255%
20	10.057	1350	1355	1358	rBV2	65637	69371	5.52%	0.334%
21	10.086	1358	1360	1366	rVB	49956	39518	3.15%	0.190%
22	10.145	1366	1370	1372	rBV2	41589	55974	4.46%	0.269%
23	10.280	1391	1393	1400	rVB3	78514	90545	7.21%	0.436%
24	10.522	1430	1434	1439	rBV	538947	467865	37.25%	2.250%
25	10.651	1452	1456	1463	rVB2	58018	61419	4.89%	0.295%
26	10.827	1482	1486	1489	rBV3	50102	65945	5.25%	0.317%
27	10.857	1489	1491	1494	rVV	56150	45657	3.64%	0.220%
28	10.910	1498	1500	1504	rVB2	34313	34727	2.76%	0.167%
29	11.022	1516	1519	1524	rVB2	61287	57908	4.61%	0.279%
30	11.110	1530	1534	1537	rBV	41021	40956	3.26%	0.197%
31	11.216	1548	1552	1554	rBV	1070830	922051	73.41%	4.435%
32	11.239	1554	1556	1560	rVV	729878	546160	43.49%	2.627%
33	11.292	1561	1565	1568	rVB	80938	70386	5.60%	0.339%
34	11.327	1568	1571	1575	rBV3	37947	50433	4.02%	0.243%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.398	1580	1583	1585	rVB	35787	33893	2.70%	0.163%
36	11.510	1599	1602	1605	rVV2	23025	33316	2.65%	0.160%
37	11.545	1605	1608	1611	rVV	83794	82842	6.60%	0.398%
38	11.627	1620	1622	1626	rVB	37624	38234	3.04%	0.184%
39	11.716	1634	1637	1640	rVV	304343	275710	21.95%	1.326%
40	11.745	1640	1642	1647	rVB	388522	306688	24.42%	1.475%
41	11.792	1647	1650	1652	rBV	66994	56022	4.46%	0.269%
42	11.827	1652	1656	1658	rVV2	303516	315671	25.13%	1.518%
43	11.851	1658	1660	1665	rVB	245327	190426	15.16%	0.916%
44	11.951	1675	1677	1679	rVB	42562	31391	2.50%	0.151%
45	12.010	1684	1687	1689	rVV	104245	85027	6.77%	0.409%
46	12.033	1689	1691	1698	rVB2	98220	106332	8.47%	0.511%
47	12.139	1707	1709	1711	rBV	27757	31795	2.53%	0.153%
48	12.163	1711	1713	1715	rVV	70939	55571	4.42%	0.267%
49	12.192	1715	1718	1720	rVV	109056	82955	6.60%	0.399%
50	12.216	1720	1722	1725	rVB	81600	60086	4.78%	0.289%
51	12.269	1725	1731	1733	rBV	264951	278682	22.19%	1.340%
52	12.298	1733	1736	1738	rVV2	124469	137853	10.98%	0.663%
53	12.321	1738	1740	1742	rVB	101394	72198	5.75%	0.347%
54	12.345	1742	1744	1749	rBV3	106279	147353	11.73%	0.709%
55	12.421	1753	1757	1761	rVB	532000	463760	36.92%	2.231%
56	12.474	1762	1766	1767	rBV	41696	43143	3.44%	0.208%
57	12.516	1771	1773	1776	rVB	72487	56166	4.47%	0.270%
58	12.551	1776	1779	1781	rBV2	54861	47292	3.77%	0.227%
59	12.651	1791	1796	1798	rBV	714945	634116	50.49%	3.050%
60	12.674	1798	1800	1803	rVV	67101	74244	5.91%	0.357%
61	12.716	1803	1807	1810	rVB2	89252	100585	8.01%	0.484%
62	12.769	1810	1816	1817	rBV2	57681	76134	6.06%	0.366%
63	12.792	1817	1820	1828	rVB	609238	656048	52.23%	3.156%
64	12.868	1828	1833	1836	rBV	142369	183035	14.57%	0.880%
65	12.927	1840	1843	1845	rBV2	35284	31277	2.49%	0.150%
66	12.957	1845	1848	1849	rBV2	102387	110266	8.78%	0.530%
67	12.974	1849	1851	1855	rVB2	163324	166224	13.23%	0.800%
68	13.021	1855	1859	1860	rBV3	29440	38808	3.09%	0.187%
69	13.045	1860	1863	1866	rVB	89880	70104	5.58%	0.337%
70	13.080	1866	1869	1873	rBV	195187	160239	12.76%	0.771%
71	13.145	1876	1880	1882	rBV3	37279	42728	3.40%	0.206%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.174	1882	1885	1887	rVB	162217	132478	10.55%	0.637%
73	13.204	1887	1890	1893	rVB	169752	142845	11.37%	0.687%
74	13.292	1901	1905	1908	rBV2	34276	42257	3.36%	0.203%
75	13.380	1917	1920	1922	rBV2	42030	46713	3.72%	0.225%
76	13.480	1930	1937	1943	rBV2	110513	177925	14.17%	0.856%
77	13.545	1946	1948	1951	rVB2	48426	41513	3.31%	0.200%
78	13.586	1951	1955	1959	rBV4	101601	160606	12.79%	0.773%
79	13.621	1959	1961	1963	rVB	62557	44222	3.52%	0.213%
80	13.686	1970	1972	1977	rVB	46867	51803	4.12%	0.249%
81	13.845	1991	1999	2001	rBV2	1054136	1255958	100.00%	6.041%
82	13.868	2001	2003	2006	rVB	291644	225333	17.94%	1.084%
83	13.927	2011	2013	2017	rBV2	42191	46454	3.70%	0.223%
84	14.157	2049	2052	2055	rBV4	23985	32518	2.59%	0.156%
85	14.192	2056	2058	2060	rBV	38896	36260	2.89%	0.174%
86	14.227	2060	2064	2067	rVV	153722	169322	13.48%	0.814%
87	14.263	2067	2070	2073	rVV	106262	95029	7.57%	0.457%
88	14.298	2073	2076	2078	rVV2	50028	52743	4.20%	0.254%
89	14.321	2078	2080	2083	rVV3	55045	67258	5.36%	0.324%
90	14.351	2083	2085	2087	rVV	81364	78236	6.23%	0.376%
91	14.374	2087	2089	2092	rVB2	41788	44424	3.54%	0.214%
92	14.692	2138	2143	2144	rBV3	47599	71060	5.66%	0.342%
93	14.851	2166	2170	2177	rBV2	131012	233875	18.62%	1.125%
94	14.939	2183	2185	2189	rVB2	51887	67228	5.35%	0.323%
95	15.127	2214	2217	2223	rVB	108230	133961	10.67%	0.644%
96	15.186	2223	2227	2231	rBV	144213	167064	13.30%	0.804%
97	15.245	2232	2237	2241	rBV	539574	611767	48.71%	2.943%
98	15.692	2310	2313	2316	rBV4	39768	47566	3.79%	0.229%
99	16.592	2462	2466	2473	rVB2	52866	102183	8.14%	0.491%
100	16.992	2531	2534	2540	rVB	49988	80121	6.38%	0.385%

Sum of corrected areas: 20790242

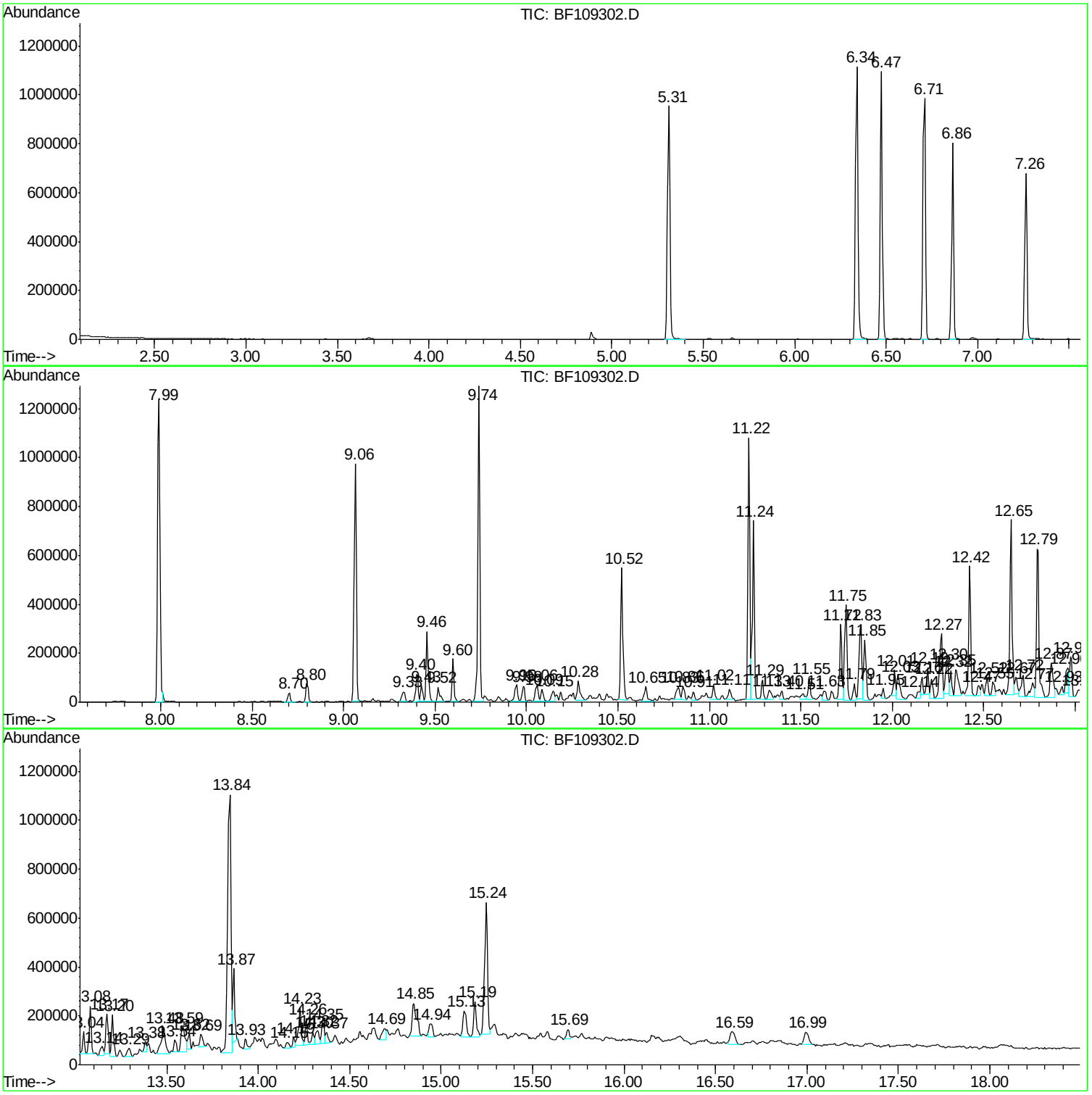
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

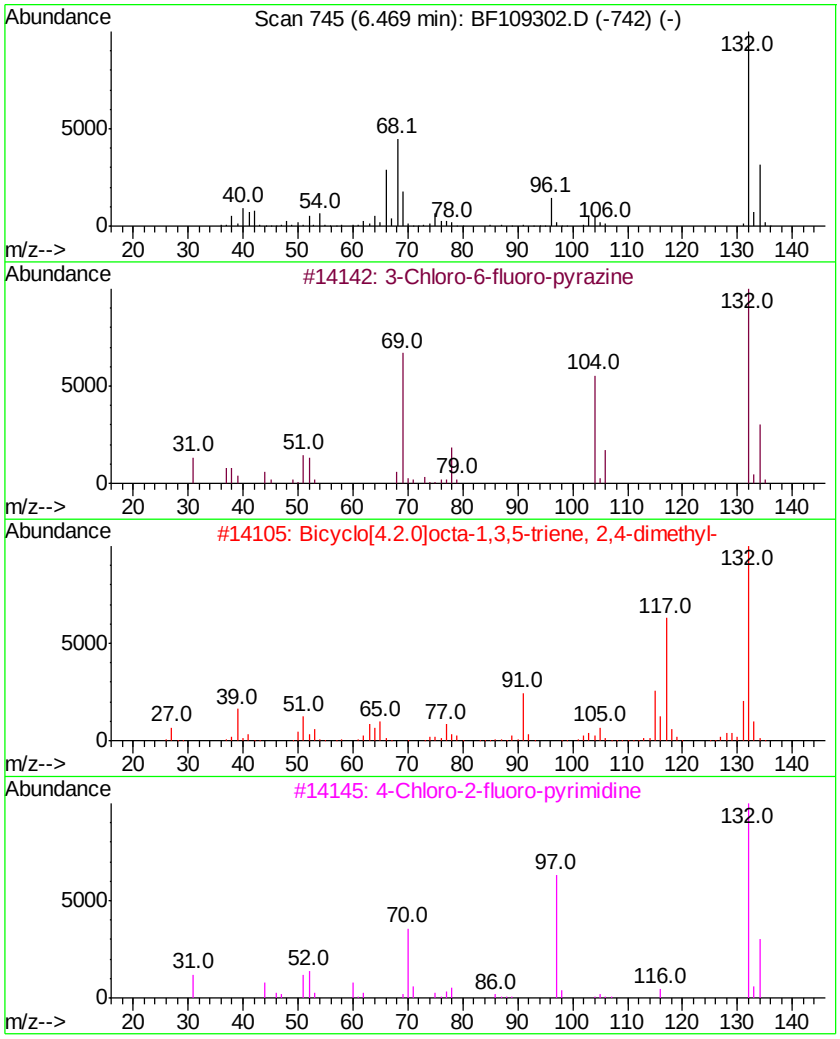
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

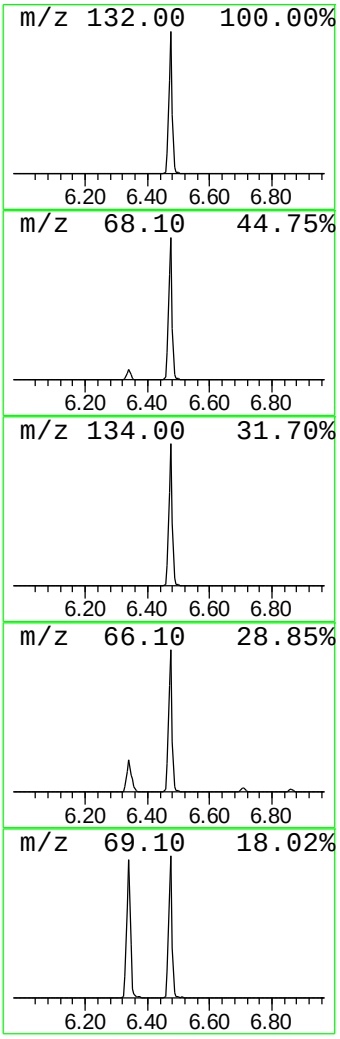
****

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	21.60 ng	896148	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

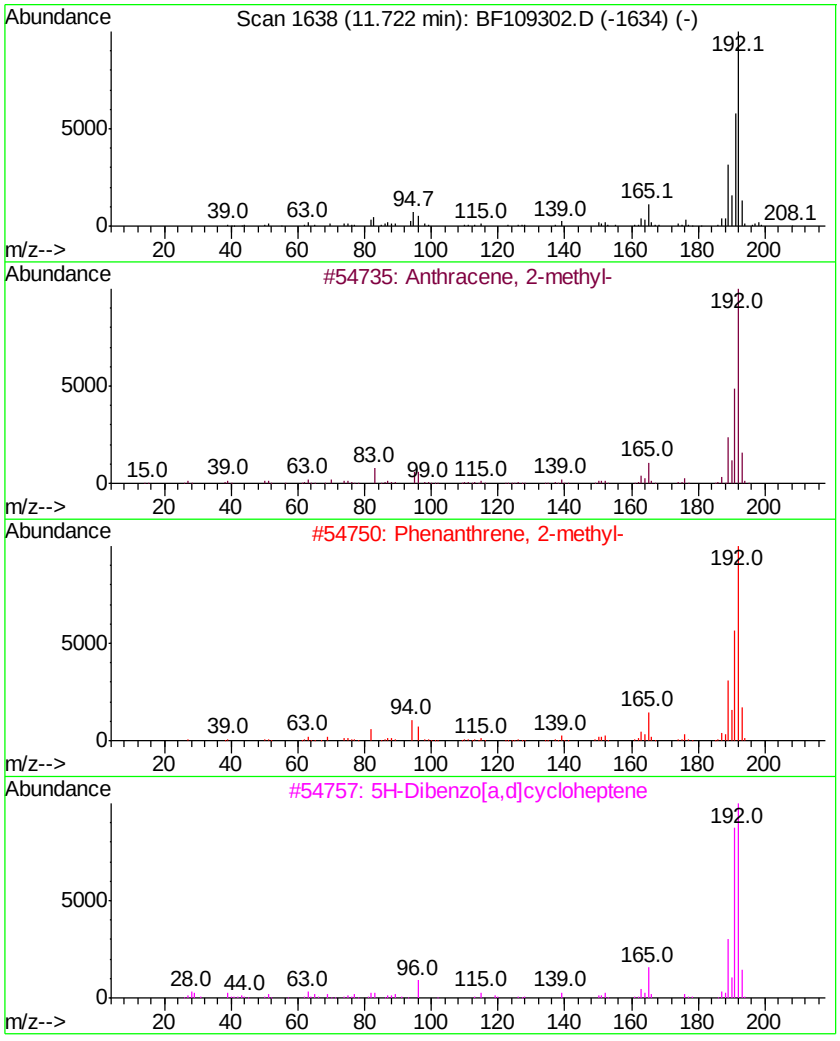
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

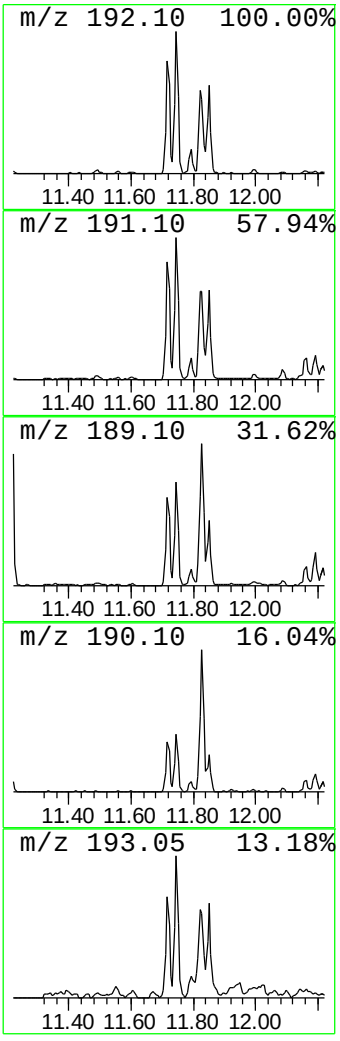
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	5.98 ng	275710	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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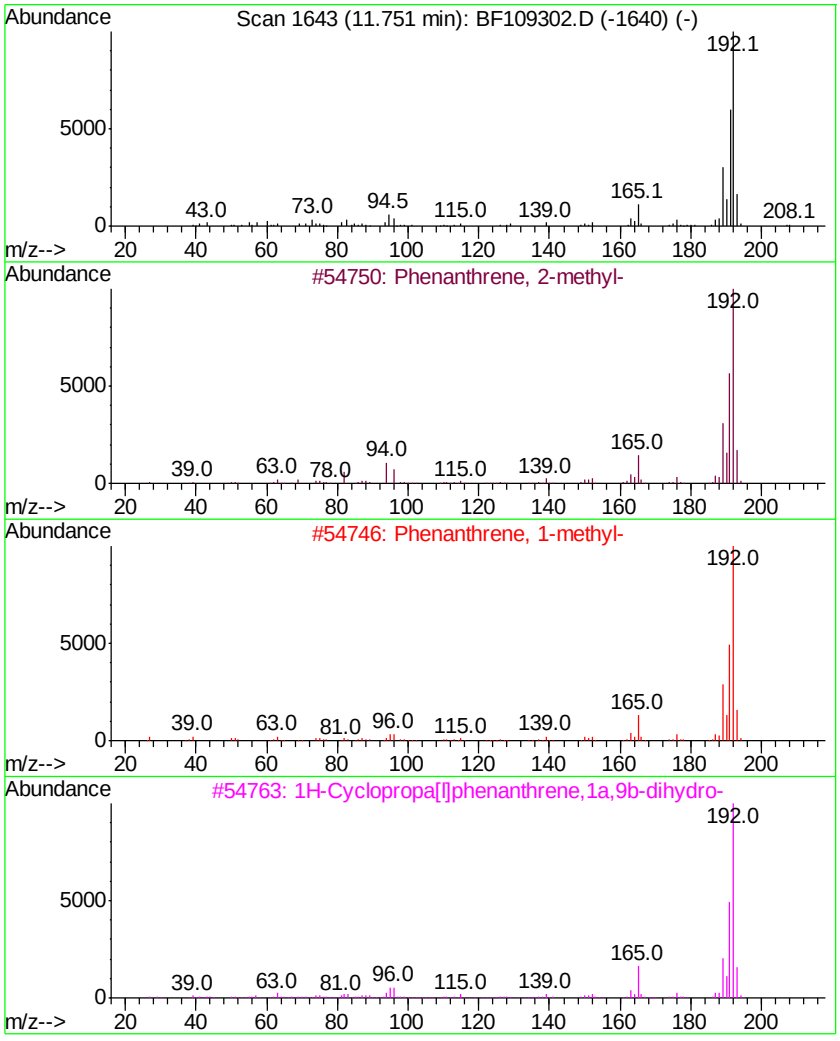
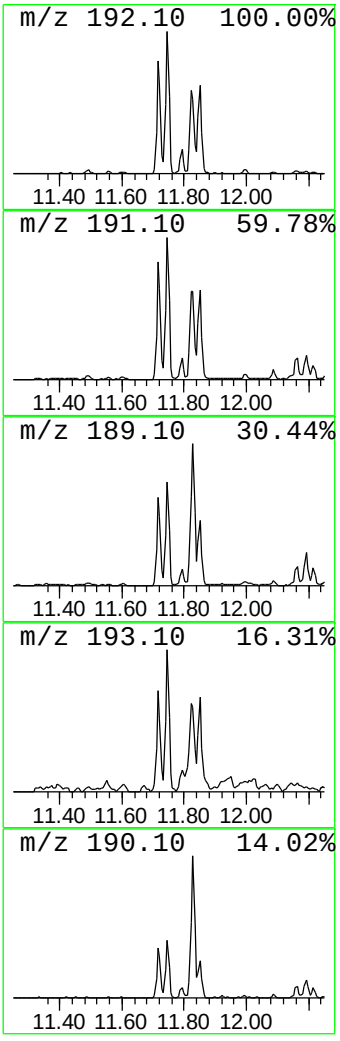
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	6.65 ng	306688	Phenanthrene-d10	11.22

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

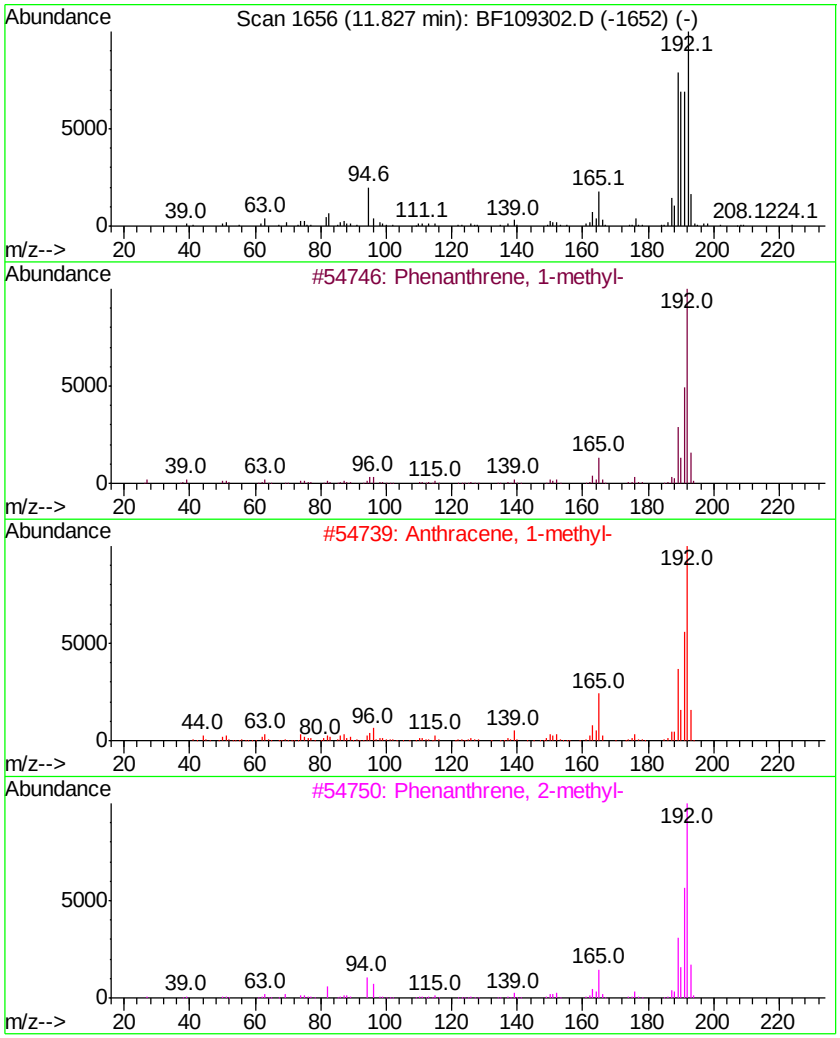
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

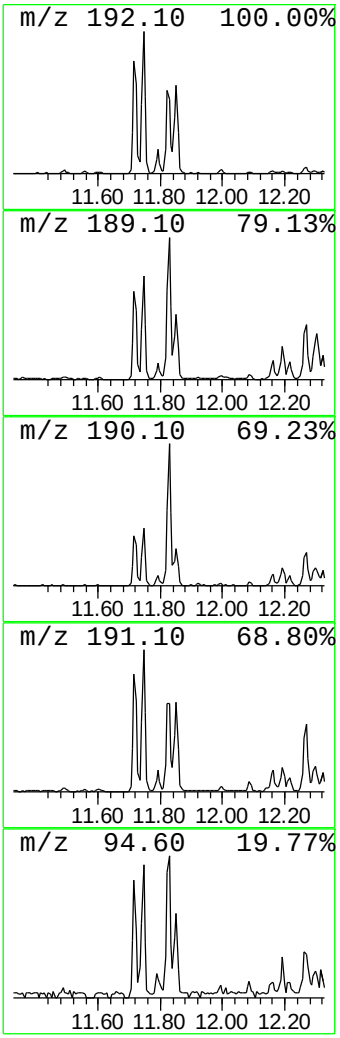
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.85 ng	315671	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

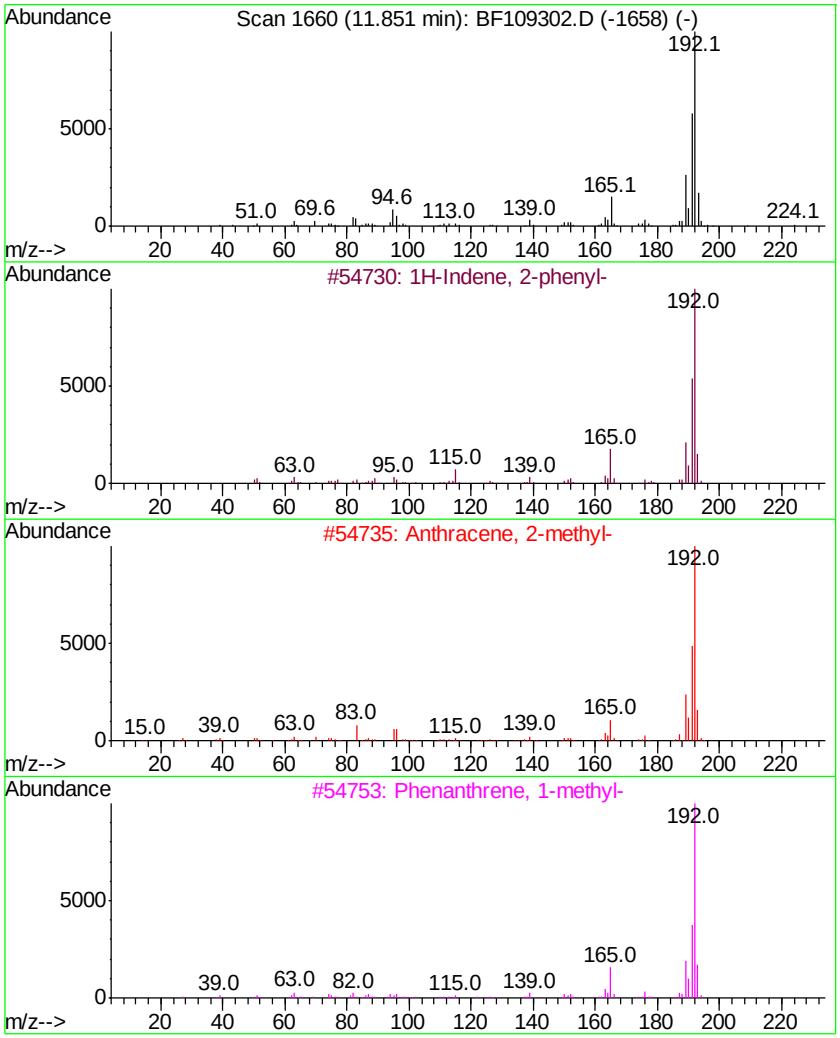
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

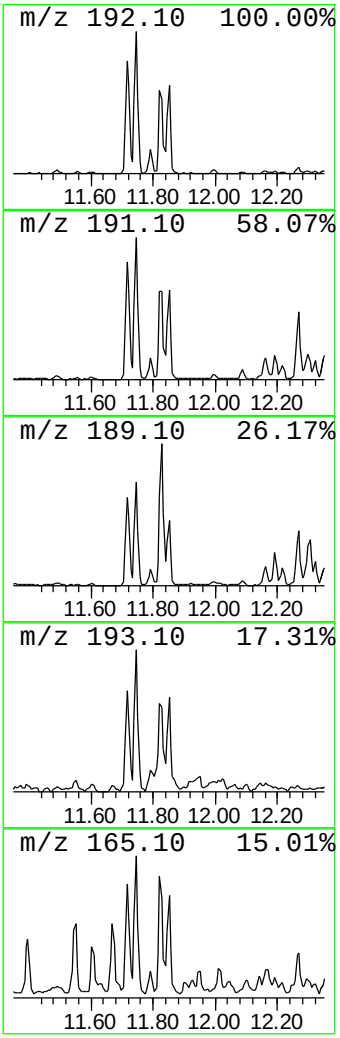
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.13 ng	190426	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : S1

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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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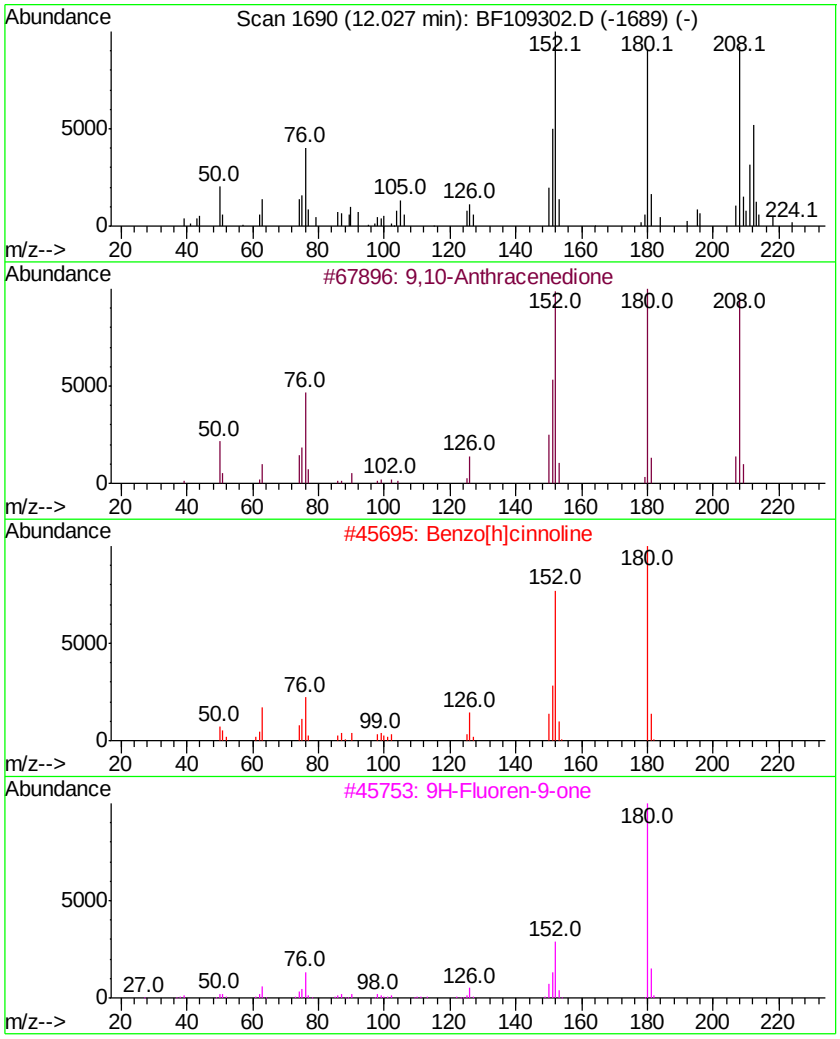
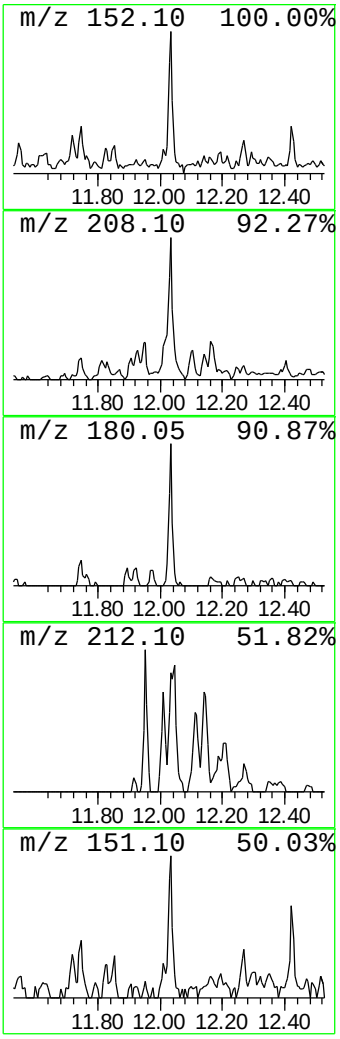
Peak Number 7 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.31 ng	106332	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53





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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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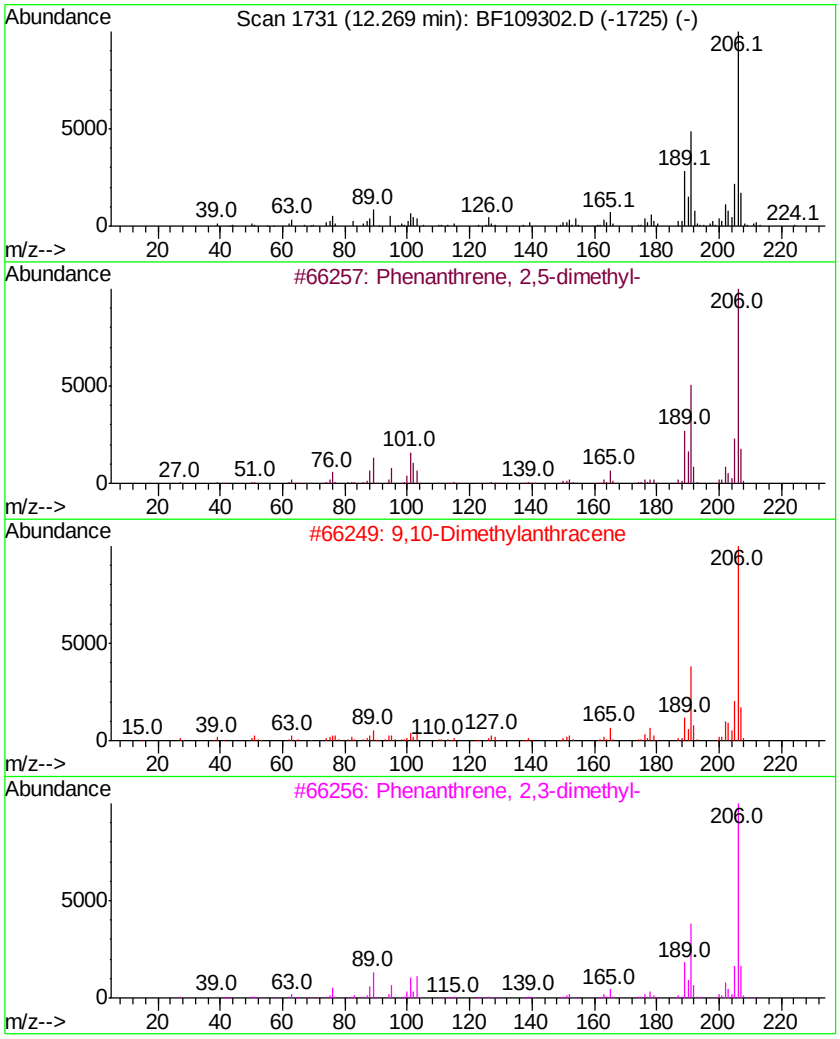
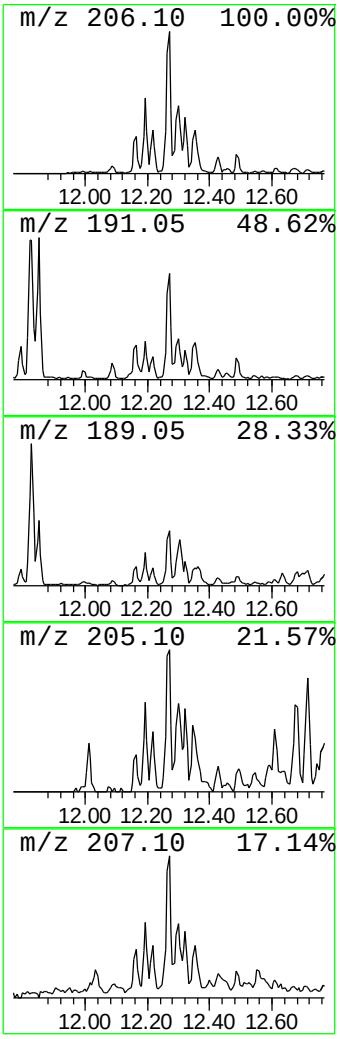
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	6.04 ng	278682	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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

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

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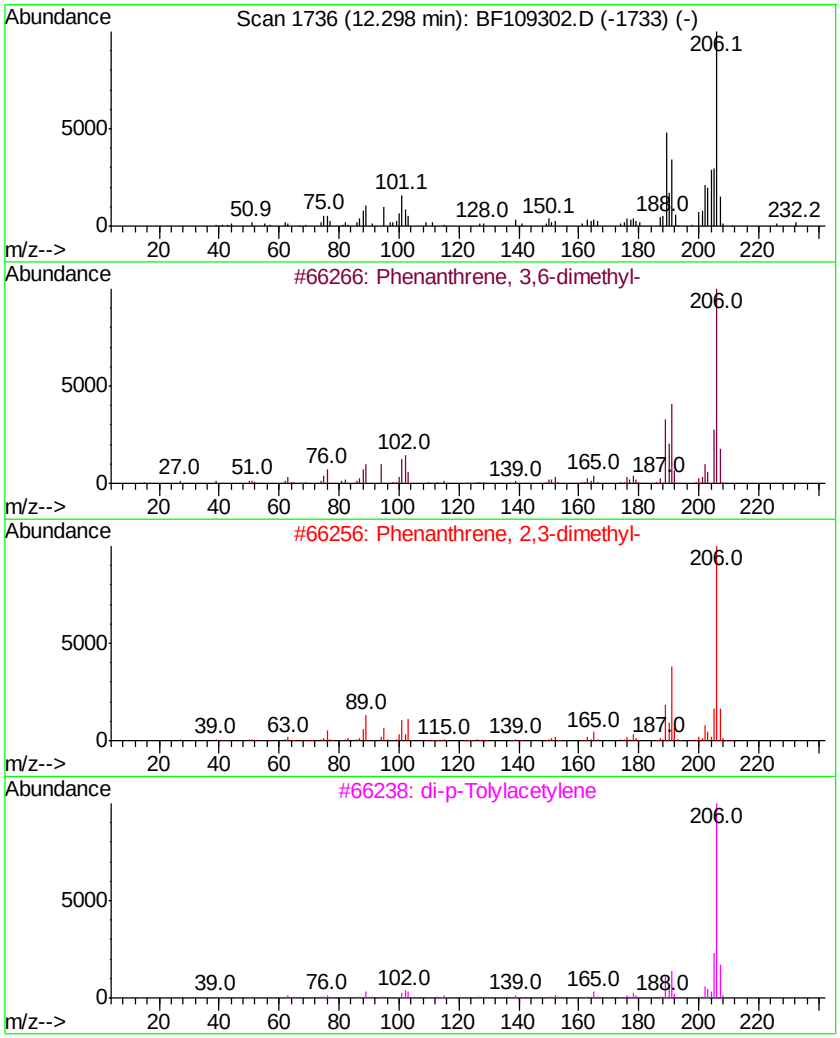
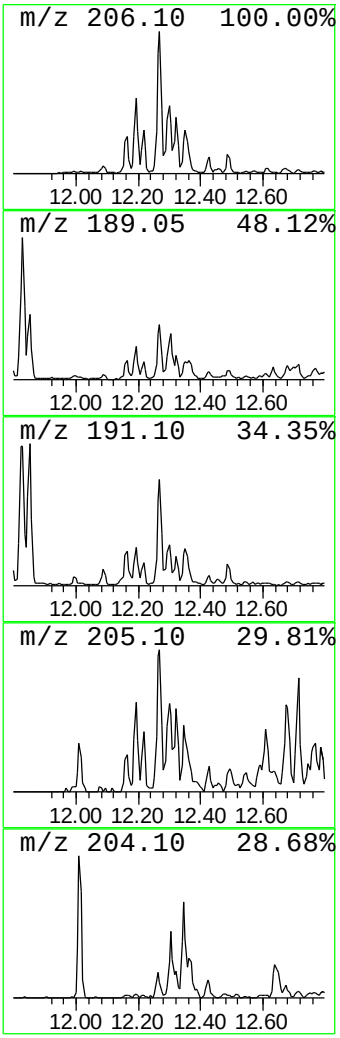
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.99 ng	137853	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64





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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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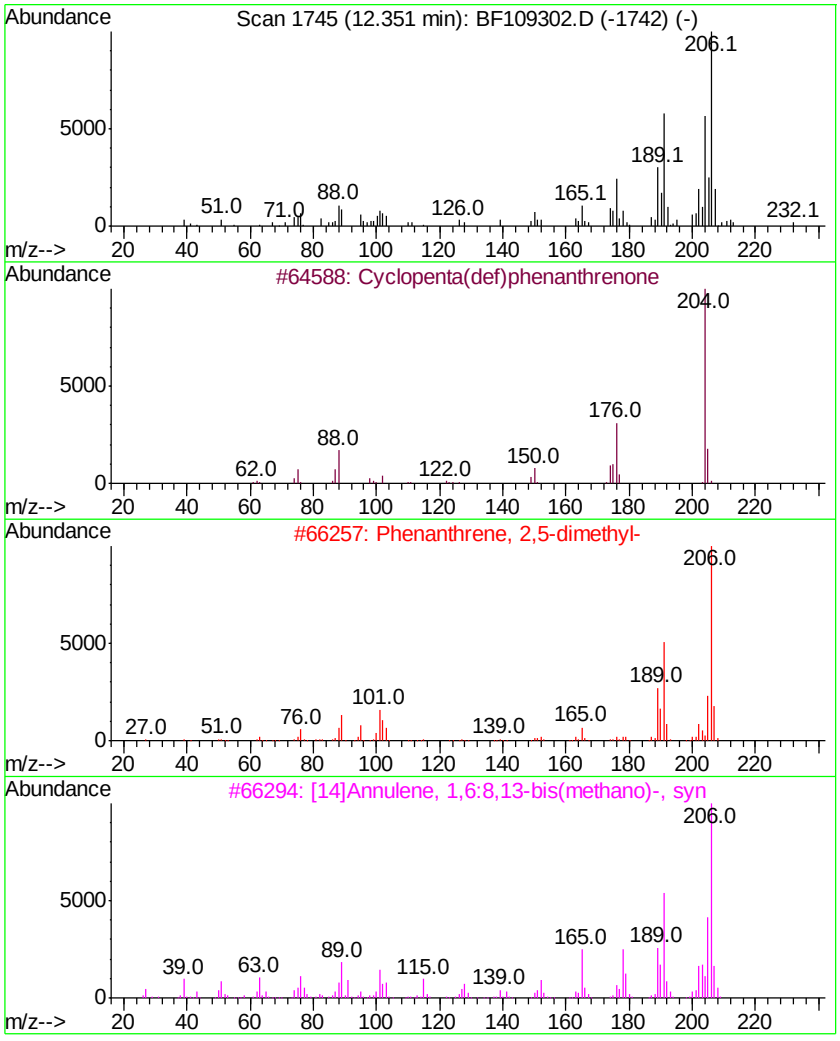
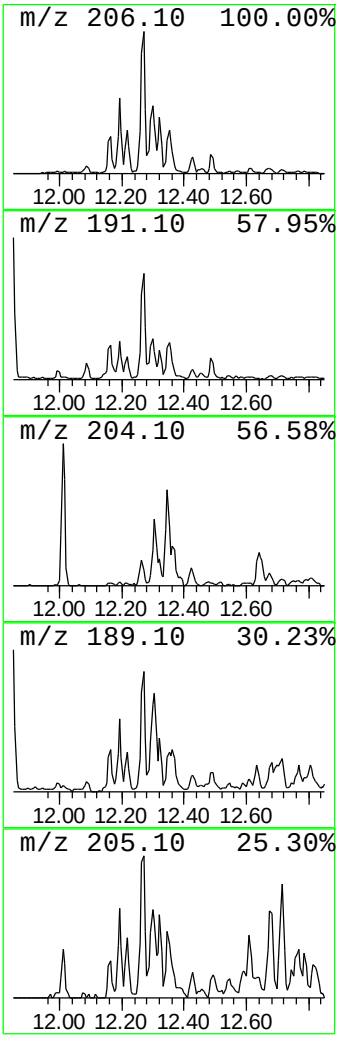
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.20 ng	147353	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	84
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46





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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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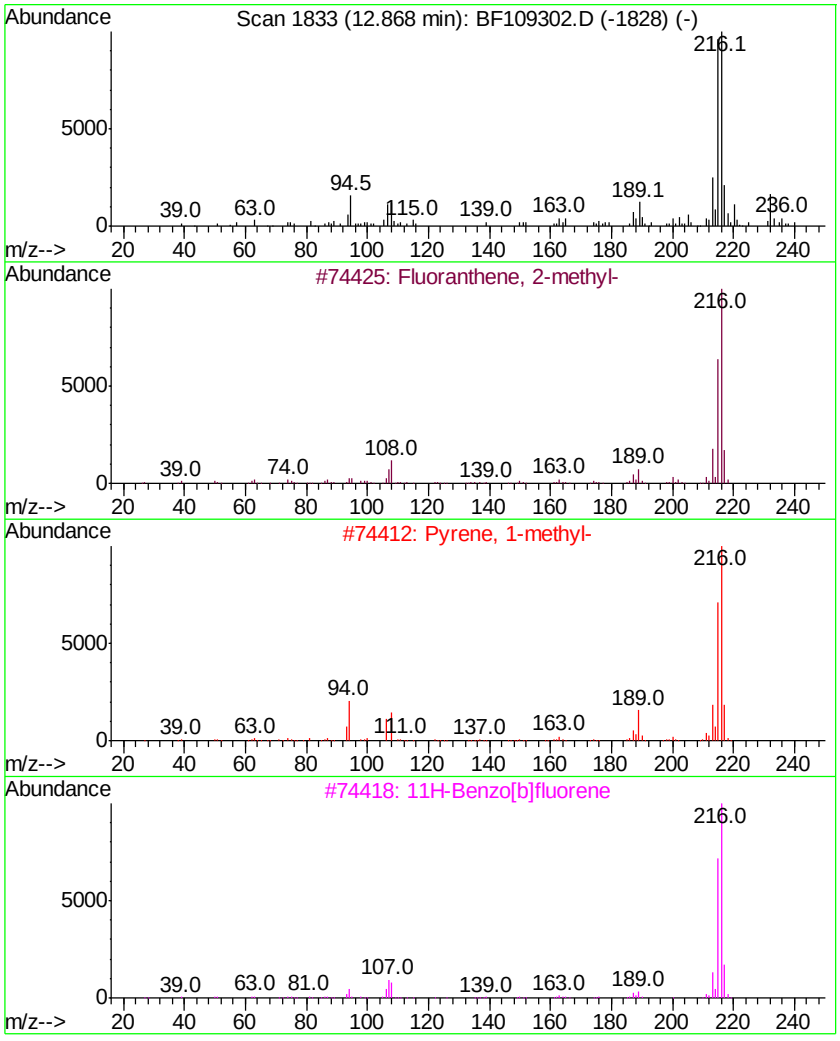
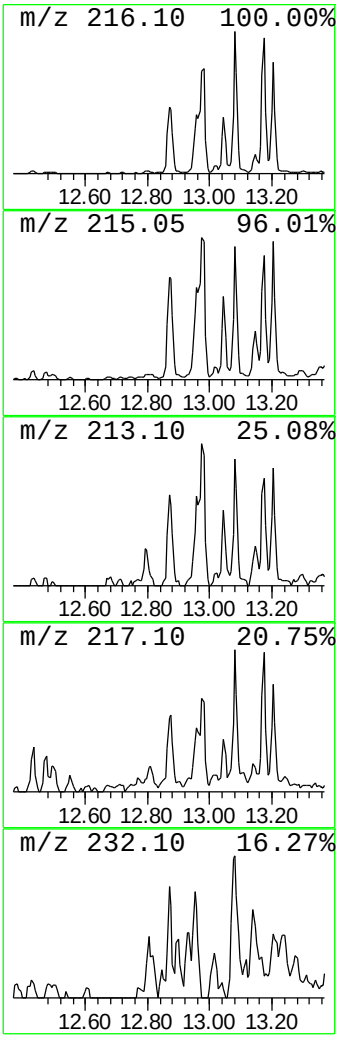
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.91 ng	183035	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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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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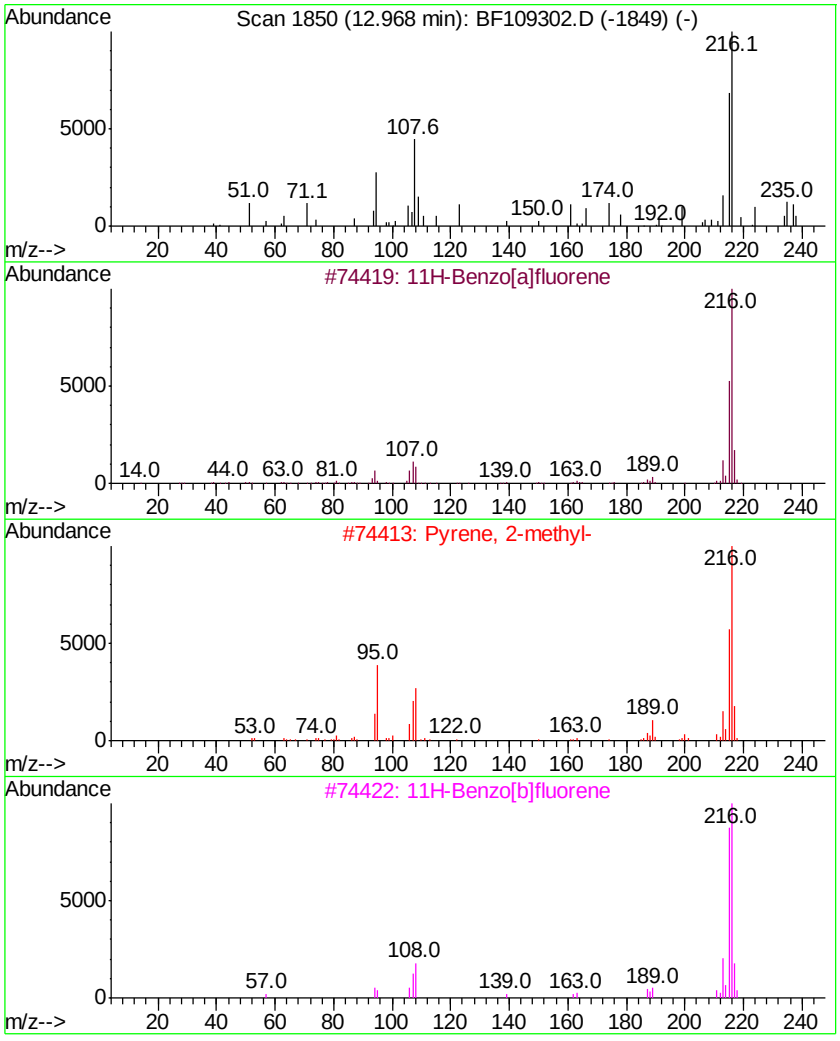
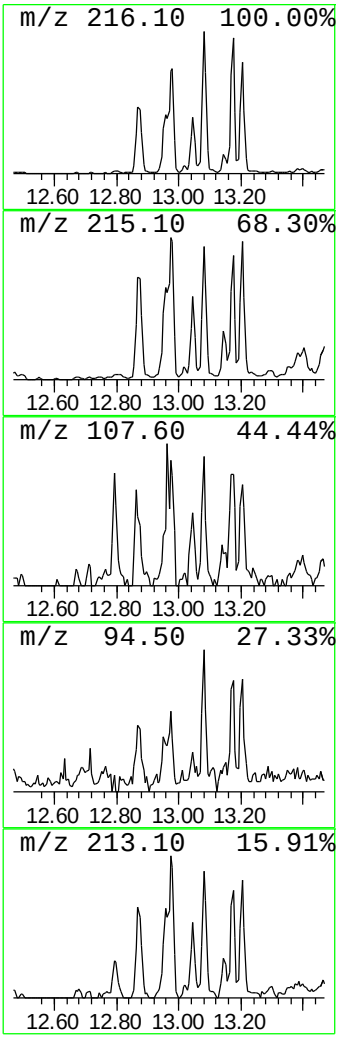
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.65 ng	166224	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Misc :
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Instrument : BNA_F
ClientSampleId : S1

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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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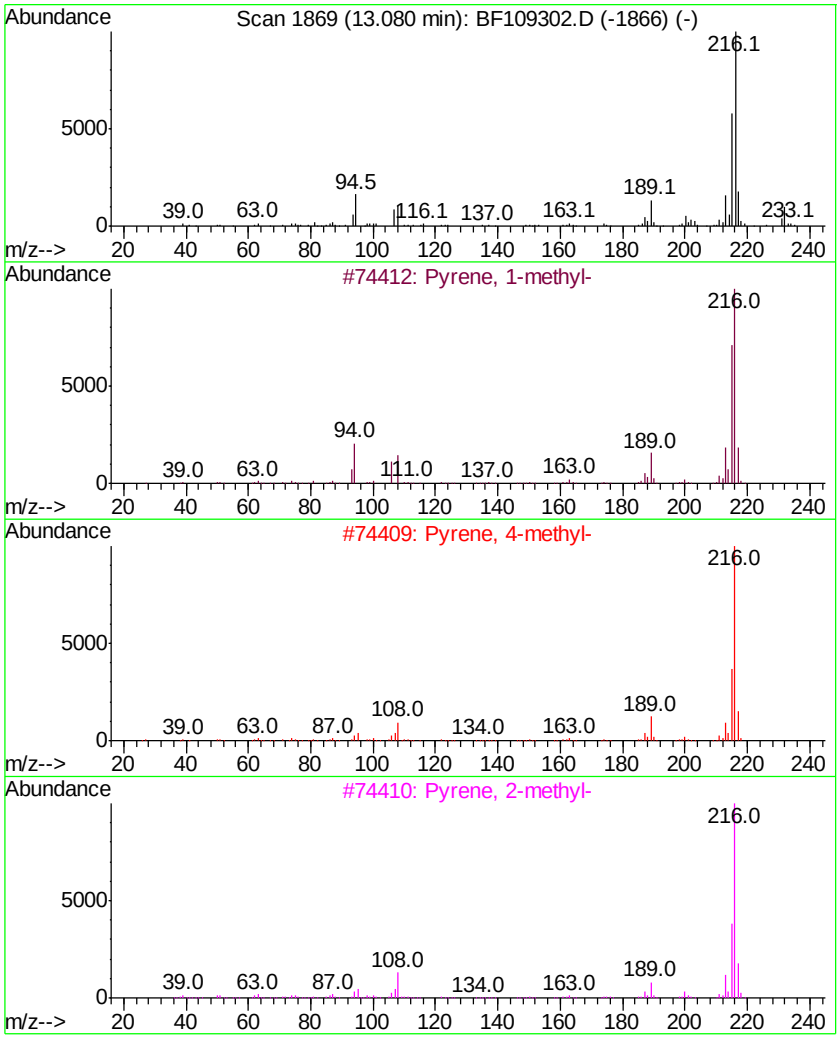
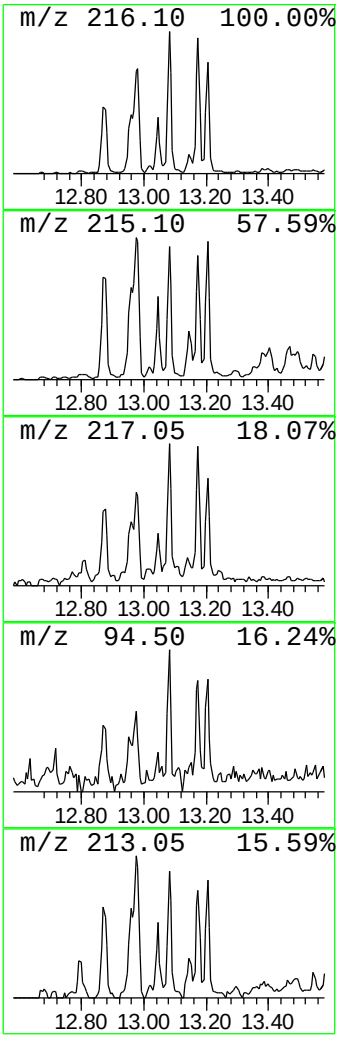
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.55 ng	160239	Chrysene-d12	13.84

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	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	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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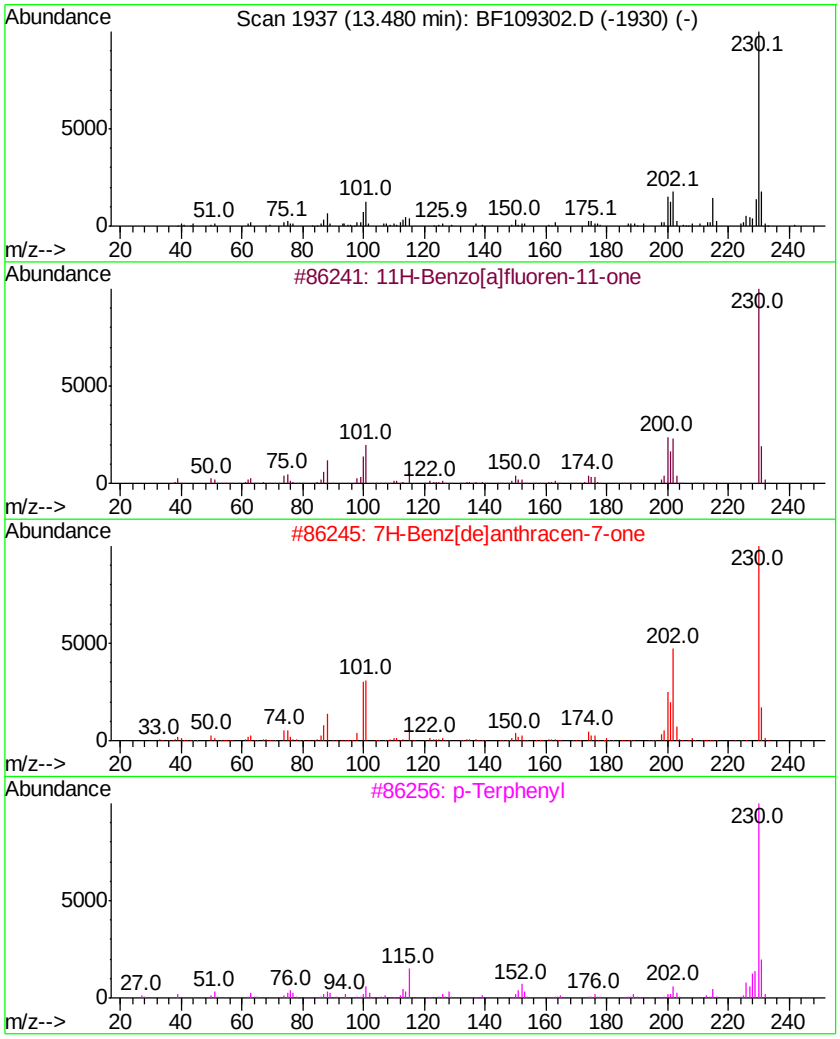
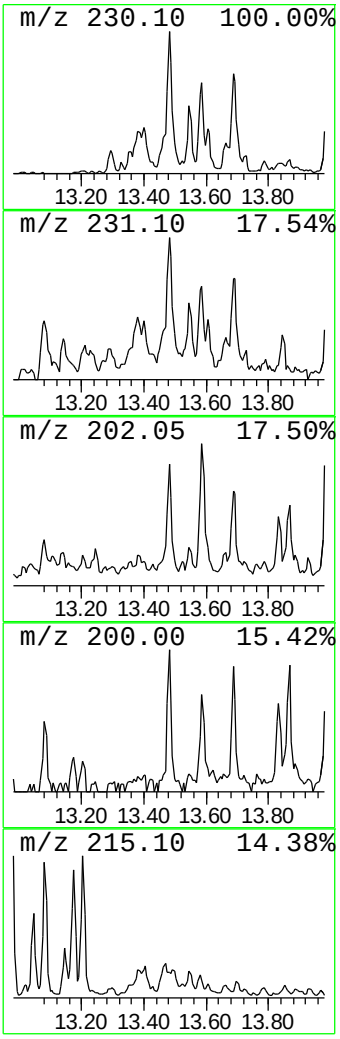
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.83 ng	177925	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	p-Terphenyl	230	C18H14	000092-94-4	74
4	m-Terphenyl	230	C18H14	000092-06-8	64
5	o-Terphenyl	230	C18H14	000084-15-1	64





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

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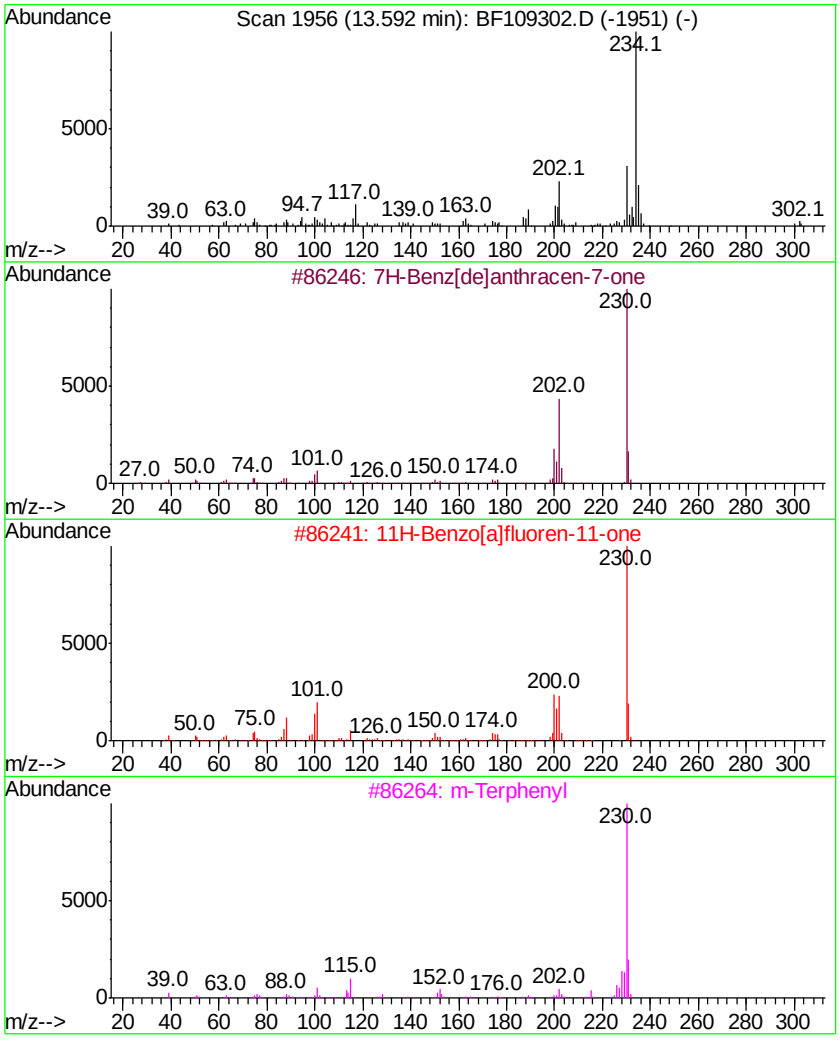
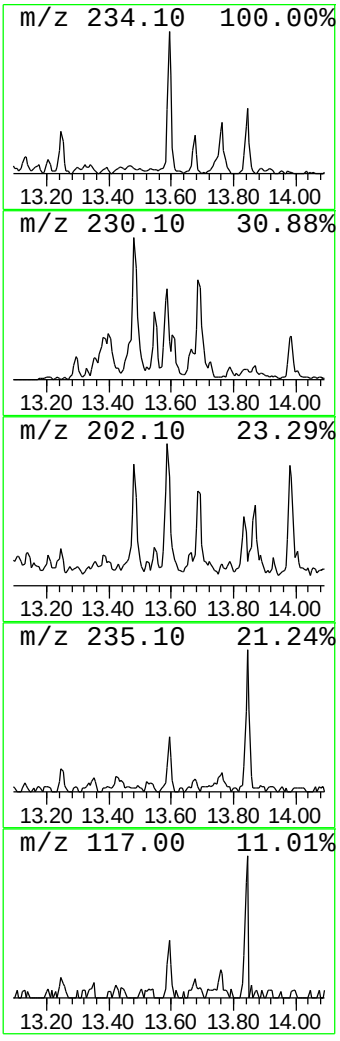
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.56 ng	160606	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	92
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
3	m-Terphenyl	230	C18H14	000092-06-8	64
4	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	49
5	p-Terphenyl	230	C18H14	000092-94-4	49





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TIC Integration Parameters: LSCINT.P

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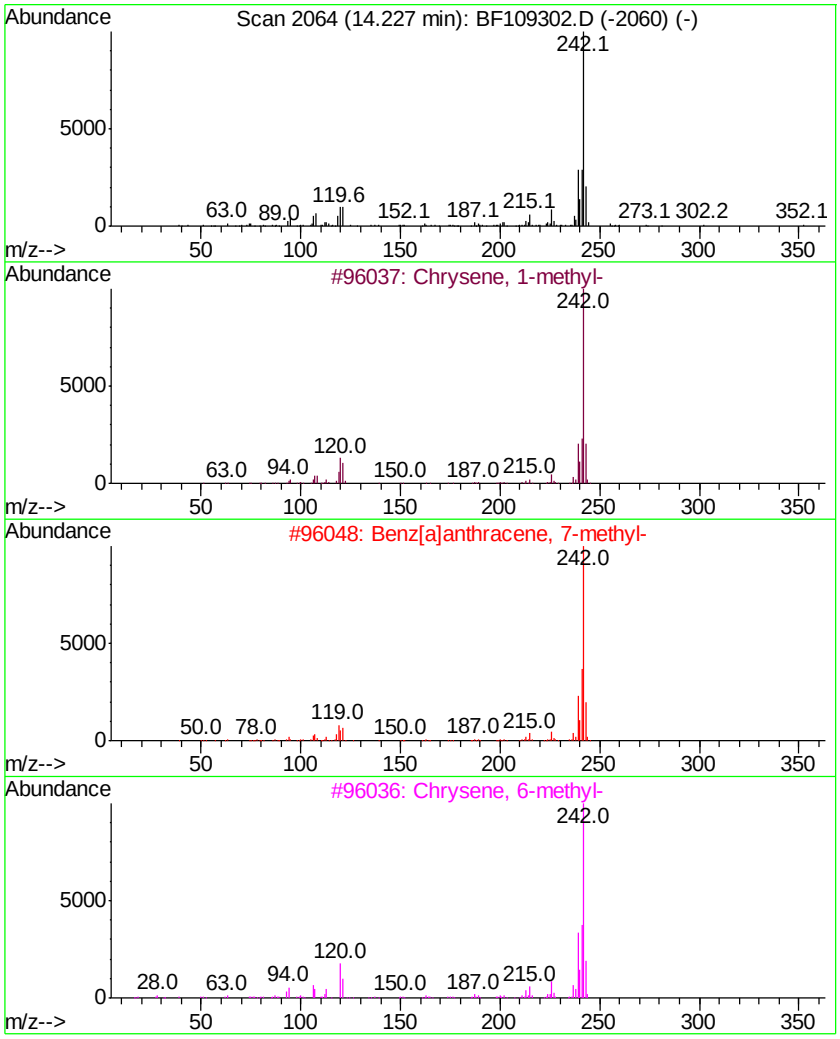
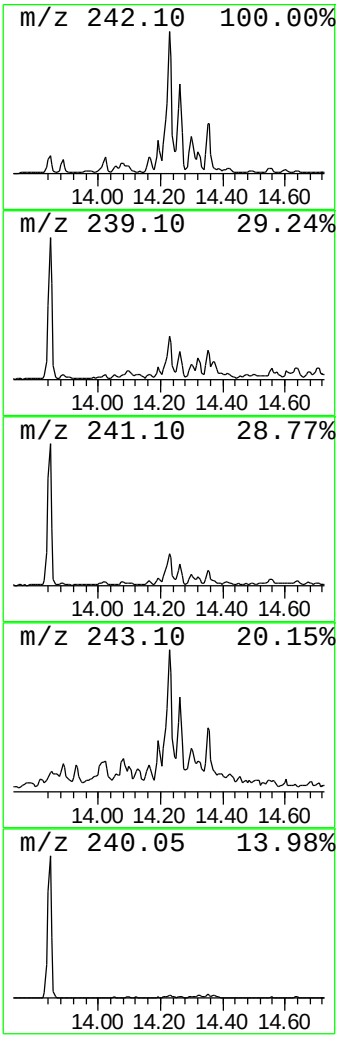
Peak Number 17 Chrysene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	2.70 ng	169322	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	94
4	2-Methylchrysene	242	C19H14	003351-32-4	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93





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TIC Integration Parameters: LSCINT.P

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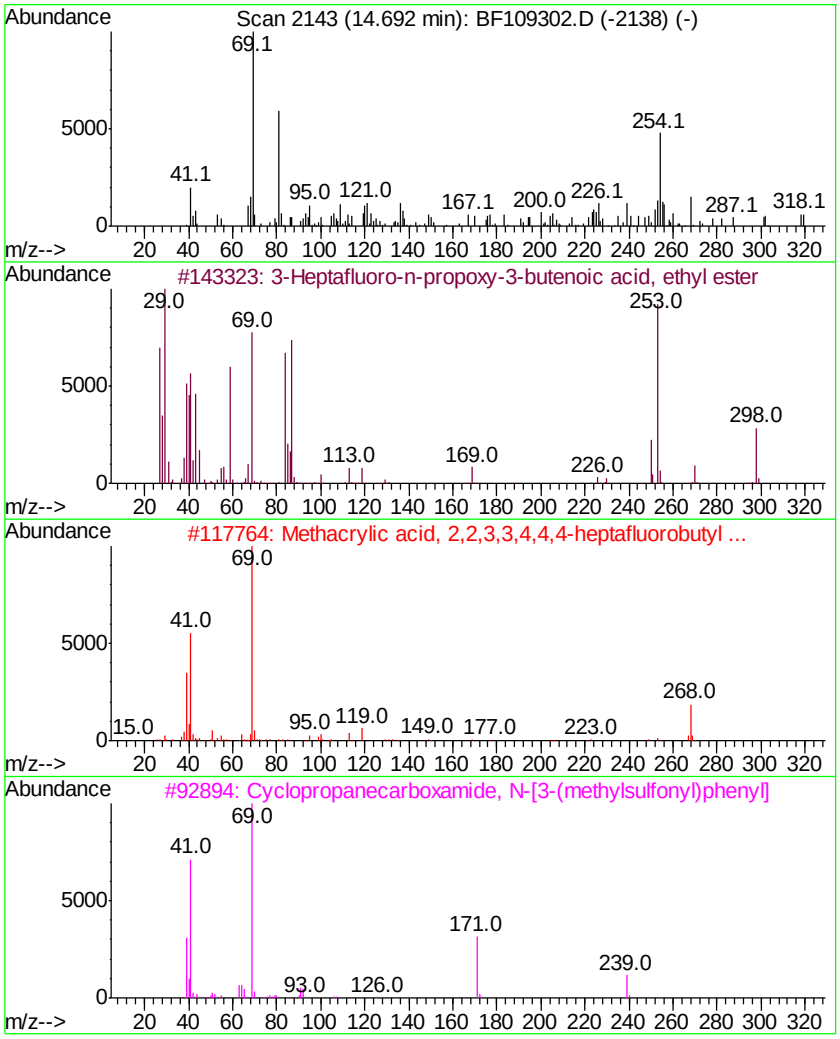
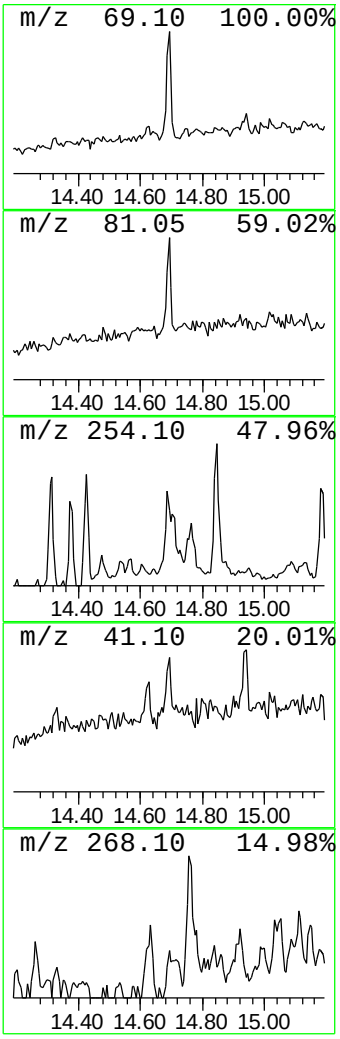
Peak Number 18 unknown14.69 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.32 ng	71060	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptafluoro-n-propoxy-3-buteno...	298	C9H9F7O3	1000222-28-7	38
2	Methacrylic acid, 2,2,3,3,4,4,4-...	268	C8H7F7O2	013695-31-3	37
3	Cyclopropanecarboxamide, N-[3-(m...	239	C11H13NO3S	1000319-87-8	35
4	4-Hydroxyphenol bis(trifluoroace...	302	C10H4F6O4	034065-73-1	32
5	4-Geranyloxy-3-hydroxy-5-methoxy...	332	C19H24O5	076878-70-1	25





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

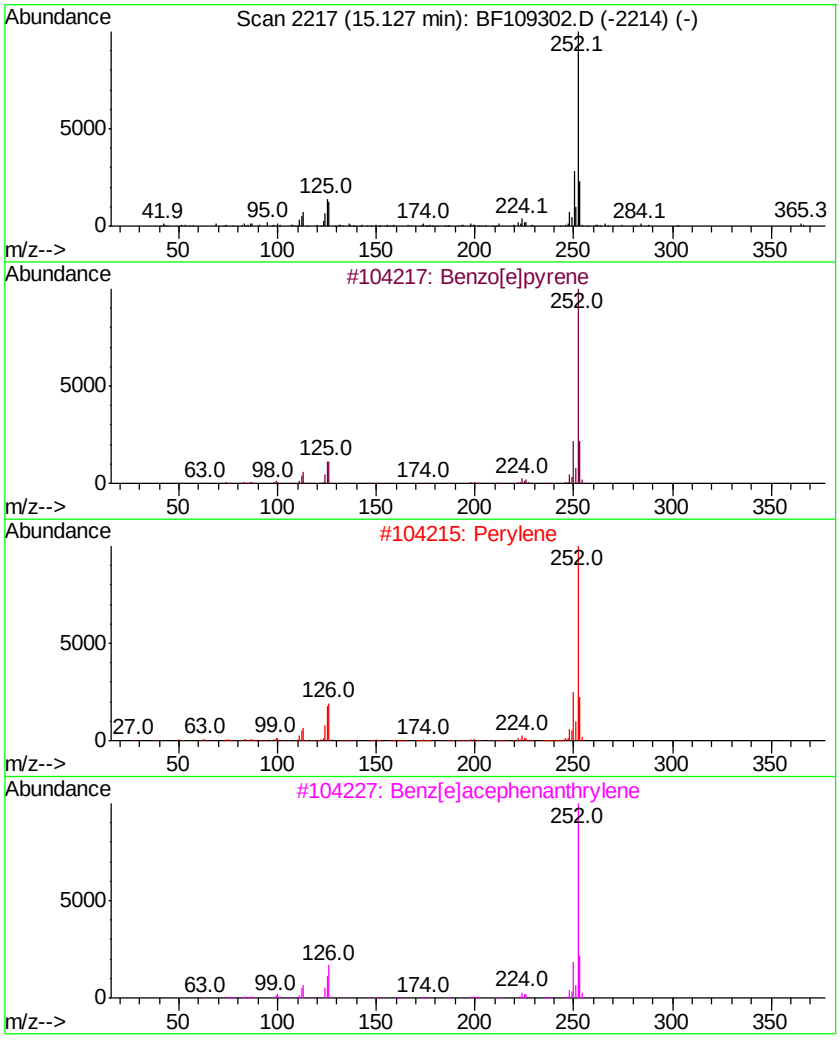
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

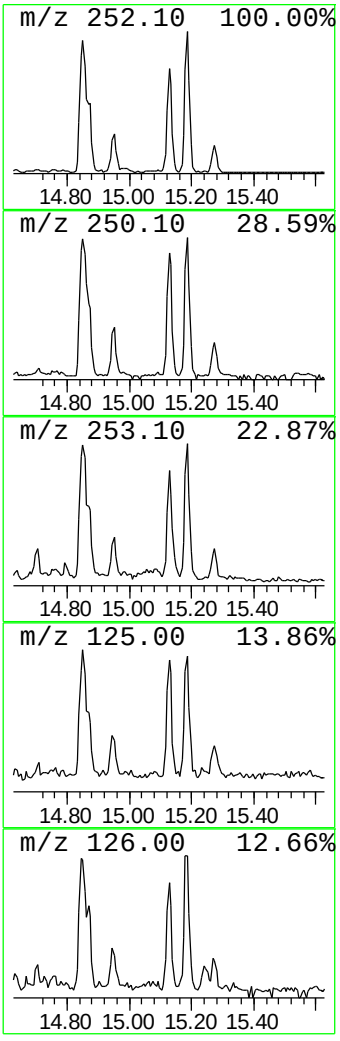
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	4.38 ng	133961	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

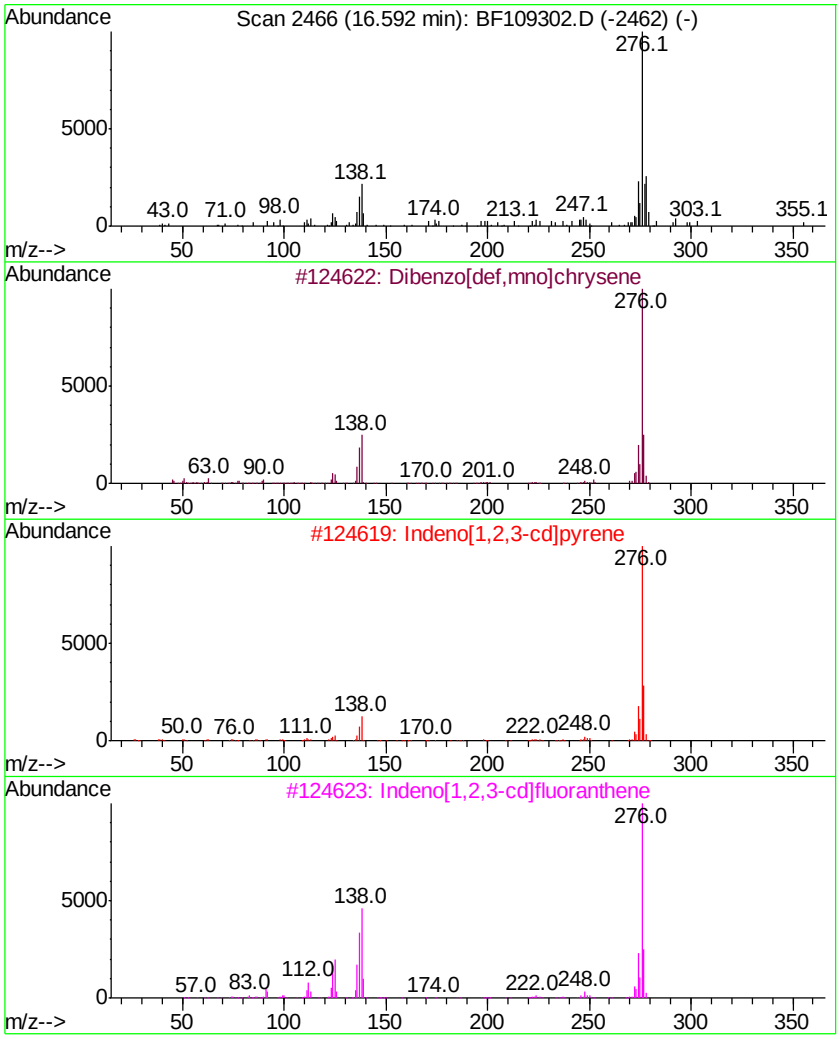
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

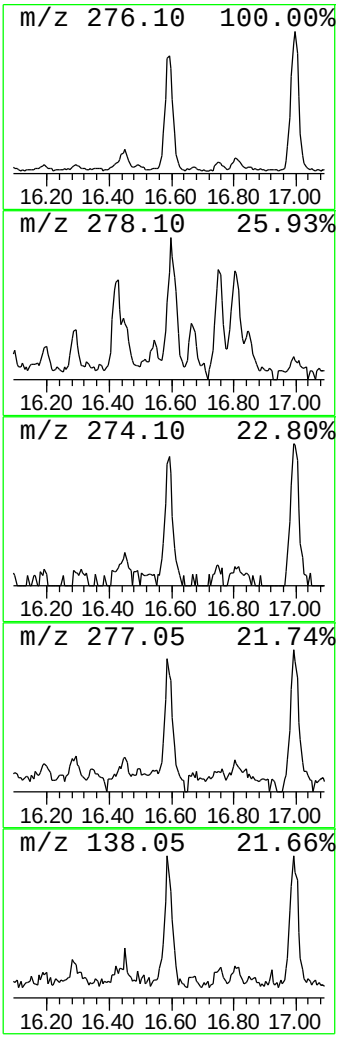
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.34 ng	102183	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	92
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	89
5	N-[4-Amino-3-nitrophenyl]-N-nitr...	306	C13H11ClN4O3	1000213-60-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	21.6	ng	896148	1	6.71	829676	20.0
Anthracene, 2-met...	11.72	6.0	ng	275710	4	11.22	922051	20.0
Phenanthrene, 2-m...	11.75	6.7	ng	306688	4	11.22	922051	20.0
Phenanthrene, 1-m...	11.83	6.8	ng	315671	4	11.22	922051	20.0
1H-Indene, 2-phenyl-	11.85	4.1	ng	190426	4	11.22	922051	20.0
9,10-Anthracenedione	12.03	2.3	ng	106332	4	11.22	922051	20.0
Phenanthrene, 2,5...	12.27	6.0	ng	278682	4	11.22	922051	20.0
Phenanthrene, 3,6...	12.30	3.0	ng	137853	4	11.22	922051	20.0
Cyclopenta(def)ph...	12.35	3.2	ng	147353	4	11.22	922051	20.0
Fluoranthene, 2-m...	12.87	2.9	ng	183035	5	13.84	1255960	20.0
11H-Benzo[a]fluorene	12.97	2.6	ng	166224	5	13.84	1255960	20.0
Pyrene, 1-methyl-	13.08	2.5	ng	160239	5	13.84	1255960	20.0
11H-Benzo[a]fluor...	13.48	2.8	ng	177925	5	13.84	1255960	20.0
7H-Benz[de]anthra...	13.59	2.6	ng	160606	5	13.84	1255960	20.0
Chrysene, 1-methyl-	14.23	2.7	ng	169322	5	13.84	1255960	20.0
unknown14.69	14.69	2.3	ng	71060	6	15.24	611767	20.0
Benzo[e]pyrene	15.13	4.4	ng	133961	6	15.24	611767	20.0
Dibenzo[def,mno]c...	16.59	3.3	ng	102183	6	15.24	611767	20.0