LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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-BF091020.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	4.963	486	489	502	rVB	100267	132492	3.30%	0.221%
2	5.381	557	560	579	rBV	1892484	1994319	49.66%	3.325%
3	6.410	731	735	759	rBV	2131135	2230548	55.55%	3.719%
4	6.763	792	795	802	rVB	729892	579177	14.42%	0.966%
5	7.328	887	891	894	rBV	1684734	1465730	36.50%	2.444%
6	8.045	1009	1013	1015	rBV	848164	728658	18.15%	1.215%
7	8.069	1015	1017	1023	rVB	612210	489591	12.19%	0.816%
8	8.757	1131	1134	1142	rBV	159734	136177	3.39%	0.227%
9	8.857	1144	1151	1159	rVB	118277	105058	2.62%	0.175%
10	9.122	1192	1196	1199	rBV	2973879	2511310	62.54%	4.188%
11	9.239	1211	1216	1226	rVB2	241484	262556	6.54%	0.438%
12	9.392	1236	1242	1246	rBV3	59692	78851	1.96%	0.131%
13	9.457	1250	1253	1256	rVV	74932	78361	1.95%	0.131%
14	9.516	1260	1263	1267	rVV	275833	217528	5.42%	0.363%
15	9.657	1284	1287	1291	rVB	139174	122392	3.05%	0.204%
16	9.798	1304	1311	1314	rBV	910213	781192	19.45%	1.303%
17	9.833	1314	1317	1320	rVB	771825	653552	16.28%	1.090%
18	10.004	1342	1346	1350	rBV	385197	326276	8.13%	0.544%
19	10.345	1400	1404	1408	rBV	651246	551283	13.73%	0.919%
20	10.380	1408	1410	1414	rVV2	79276	126819	3.16%	0.211%
21	10.504	1428	1431	1434	rVB	120249	103804	2.59%	0.173%
22	10.586	1441	1445	1450	rBV	1046158	954406	23.77%	1.591%
23	10.716	1461	1467	1473	rVB4	70432	105028	2.62%	0.175%
24	10.892	1490	1497	1500	rBV3	100617	140374	3.50%	0.234%
25	11.021	1514	1519	1521	rBV3	60919	82133	2.05%	0.137%
26	11.045	1521	1523	1528	rVV	65615	76533	1.91%	0.128%
27	11.092	1528	1531	1535	rVV	143033	131706	3.28%	0.220%
28	11.133	1535	1538	1542	rVV3	68120	109690	2.73%	0.183%
29	11.180	1542	1546	1551	rVB	287863	258934	6.45%	0.432%
30	11.286	1560	1564	1565	rBV	699468	647111	16.12%	1.079%
31	11.316	1565	1569	1572	rVV	3453424	3302309	82.24%	5.506%
32	11.363	1572	1577	1580	rVV	1289858	1092792	27.21%	1.822%
33	11.392	1580	1582	1586	rVB	138748	129743	3.23%	0.216%
34	11.515	1597	1603	1611	rVB2	589221	584349	14.55%	0.974%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.580	1611	1614	1618	rVV3	93942	95891	2.39%	0.160%
36	11.615	1618	1620	1625	rVB4	67656	78025	1.94%	0.130%
37	11.786	1643	1649	1651	rBV	361555	341170	8.50%	0.569%
38	11.815	1651	1654	1657	rVB	549660	451719	11.25%	0.753%
39	11.863	1657	1662	1665	rBV	219618	197078	4.91%	0.329%
40	11.898	1665	1668	1670	rVV	741727	691214	17.21%	1.153%
41	11.921	1670	1672	1676	rVB	241593	195354	4.86%	0.326%
42	11.992	1681	1684	1686	rVB2	72699	66230	1.65%	0.110%
43	12.080	1696	1699	1701	rVV	291513	240293	5.98%	0.401%
44	12.110	1701	1704	1707	rVB	212799	171117	4.26%	0.285%
45	12.227	1720	1724	1727	rBV3	88805	92377	2.30%	0.154%
46	12.262	1727	1730	1732	rBV	83083	76095	1.89%	0.127%
47	12.333	1738	1742	1745	rBV	187952	244546	6.09%	0.408%
48	12.374	1746	1749	1751	rVV3	131470	158284	3.94%	0.264%
49	12.421	1754	1757	1763	rVB	168674	195163	4.86%	0.325%
50	12.504	1766	1771	1774	rBV	3706486	3935274	98.00%	6.562%
51	12.562	1779	1781	1783	rVB	97232	72789	1.81%	0.121%
52	12.645	1789	1795	1798	rBV2	206896	303045	7.55%	0.505%
53	12.733	1803	1810	1814	rBV2	3202446	4015580	100.00%	6.696%
54	12.774	1814	1817	1821	rVB	156211	147754	3.68%	0.246%
55	12.845	1826	1829	1830	rBV	241292	202384	5.04%	0.337%
56	12.868	1830	1833	1836	rBV	2155758	1705598	42.47%	2.844%
57	12.945	1841	1846	1849	rBV2	205577	334910	8.34%	0.558%
58	12.974	1849	1851	1854	rVB	123268	99444	2.48%	0.166%
59	13.027	1857	1860	1862	rBV3	198302	228137	5.68%	0.380%
60	13.057	1862	1865	1868	rVB	693310	601808	14.99%	1.003%
61	13.098	1868	1872	1873	rBV2	97854	142278	3.54%	0.237%
62	13.121	1873	1876	1878	rBV	542776	432122	10.76%	0.721%
63	13.157	1878	1882	1884	rBV3	323808	327196	8.15%	0.546%
64	13.180	1884	1886	1889	rVB	133238	125053	3.11%	0.209%
65	13.215	1889	1892	1895	rBV2	89330	92534	2.30%	0.154%
66	13.251	1895	1898	1900	rBV	161623	148213	3.69%	0.247%
67	13.280	1900	1903	1906	rBV2	207499	250590	6.24%	0.418%
68	13.439	1927	1930	1932	rBV4	107641	137618	3.43%	0.229%
69	13.474	1934	1936	1939	rVB2	106791	115024	2.86%	0.192%
70	13.539	1944	1947	1949	rVV3	142529	192789	4.80%	0.321%
71	13.562	1949	1951	1955	rVB	254739	258010	6.43%	0.430%

LSC Area Percent Report

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Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.674	1966	1970	1972	rBV	385512	372745	9.28%	0.622%
73	13.698	1972	1974	1976	rVV	341668	285578	7.11%	0.476%
74	13.727	1976	1979	1984	rVV2	277501	445818	11.10%	0.743%
75	13.774	1984	1987	1994	rVV	502318	633764	15.78%	1.057%
76	13.839	1996	1998	2001	rVV	142597	160728	4.00%	0.268%
77	13.921	2005	2012	2015	rVV2	2448224	3600672	89.67%	6.004%
78	13.957	2015	2018	2024	rVV	2093845	2013886	50.15%	3.358%
79	14.033	2025	2031	2034	rVV	493652	535977	13.35%	0.894%
80	14.074	2035	2038	2042	rVV3	137677	225325	5.61%	0.376%
81	14.115	2043	2045	2047	rVV	240906	210293	5.24%	0.351%
82	14.151	2047	2051	2054	rVB2	261396	325725	8.11%	0.543%
83	14.245	2064	2067	2068	rBV2	72897	76319	1.90%	0.127%
84	14.274	2068	2072	2074	rVV2	200885	249386	6.21%	0.416%
85	14.309	2074	2078	2081	rVV	492190	595531	14.83%	0.993%
86	14.345	2081	2084	2088	rVB2	214153	244095	6.08%	0.407%
87	14.409	2093	2095	2097	rVV	199477	184566	4.60%	0.308%
88	14.433	2097	2099	2101	rVV2	232257	216005	5.38%	0.360%
89	14.456	2101	2103	2106	rVB	268862	212693	5.30%	0.355%
90	14.621	2128	2131	2133	rBV	218918	228289	5.69%	0.381%
91	14.798	2158	2161	2168	rVB2	188015	274573	6.84%	0.458%
92	14.962	2182	2189	2191	rBV	1660551	2796844	69.65%	4.664%
93	15.056	2202	2205	2209	rBV	442760	453933	11.30%	0.757%
94	15.251	2233	2238	2244	rVB	1069365	1455863	36.26%	2.428%
95	15.315	2244	2249	2253	rVB	1617967	1989694	49.55%	3.318%
96	15.368	2254	2258	2260	rBV	580538	680430	16.94%	1.135%
97	15.398	2260	2263	2269	rVB	534687	698112	17.39%	1.164%
98	15.903	2347	2349	2354	rVB2	123165	162213	4.04%	0.270%
99	16.792	2493	2500	2506	rVB	671725	1234195	30.74%	2.058%
100	17.221	2566	2573	2582	rVB	469914	954453	23.77%	1.592%

Sum of corrected areas: 59971193

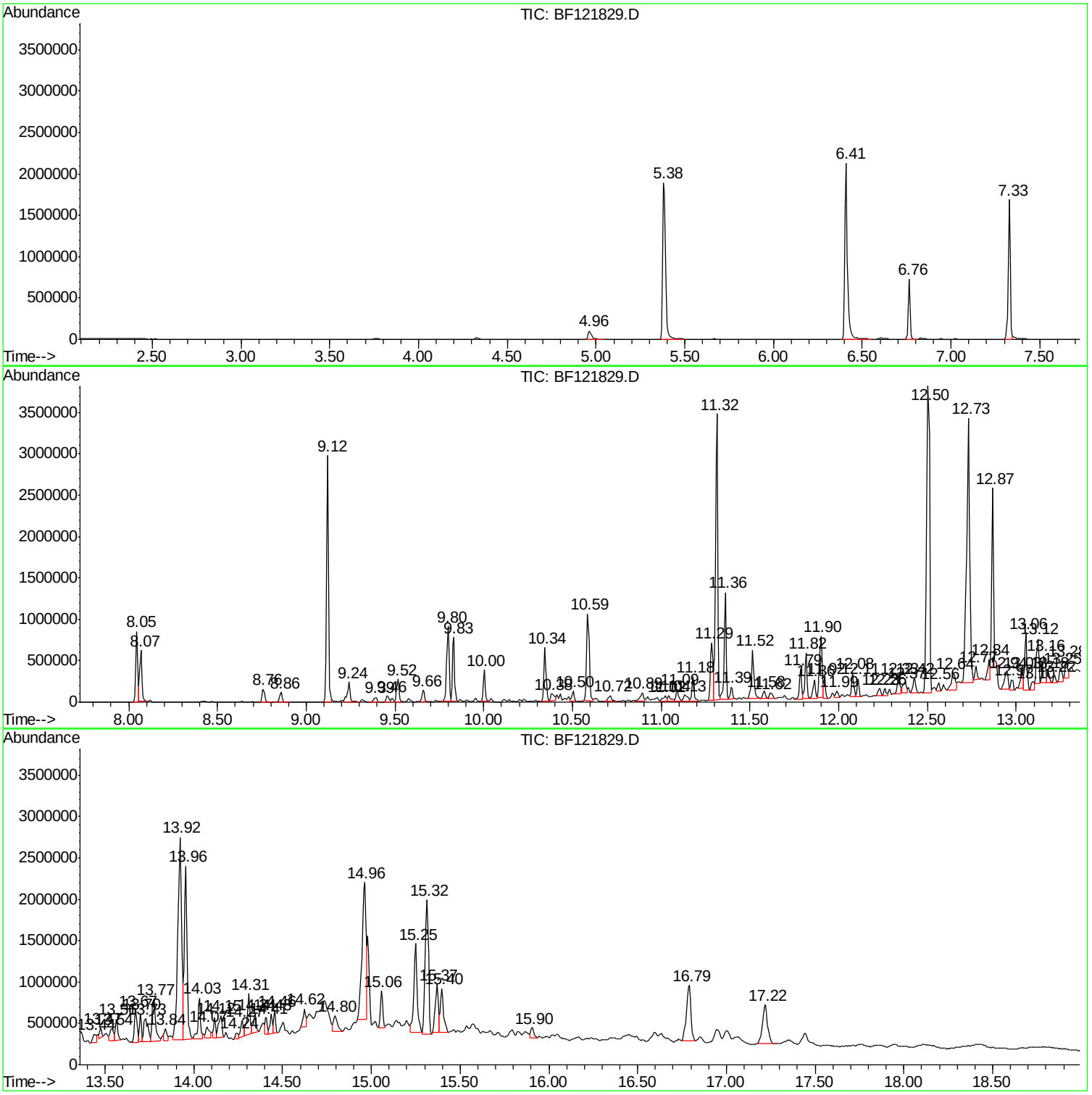
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

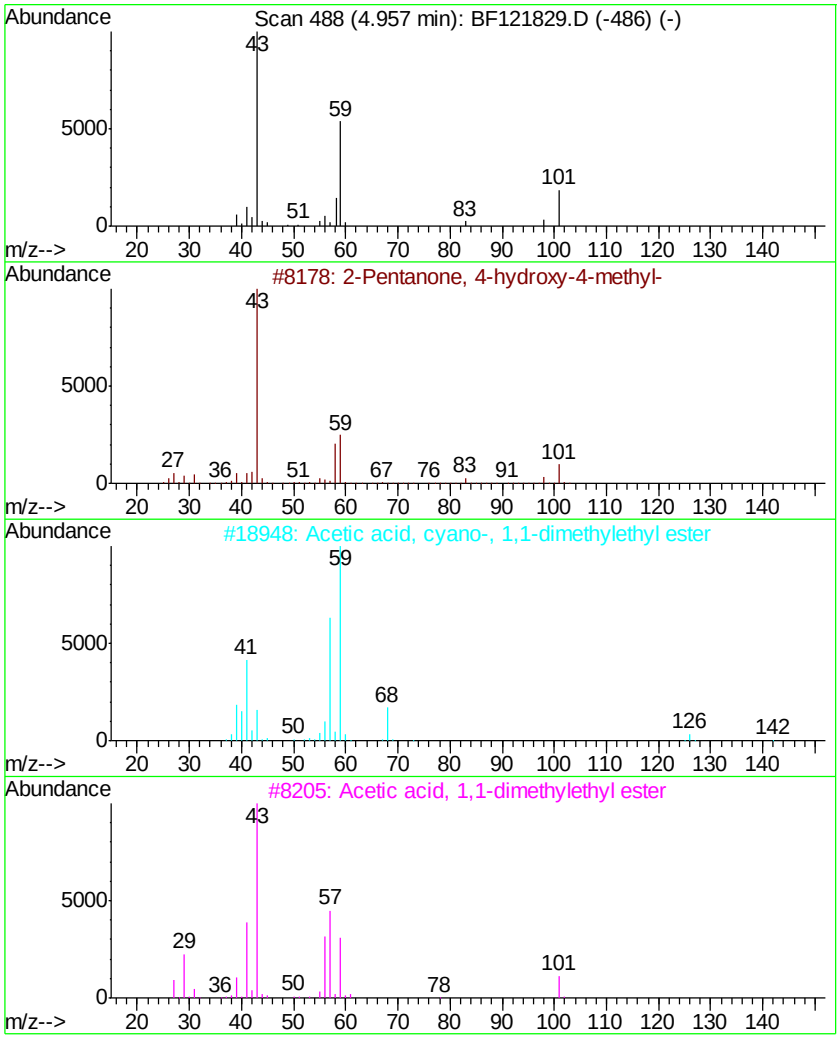
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

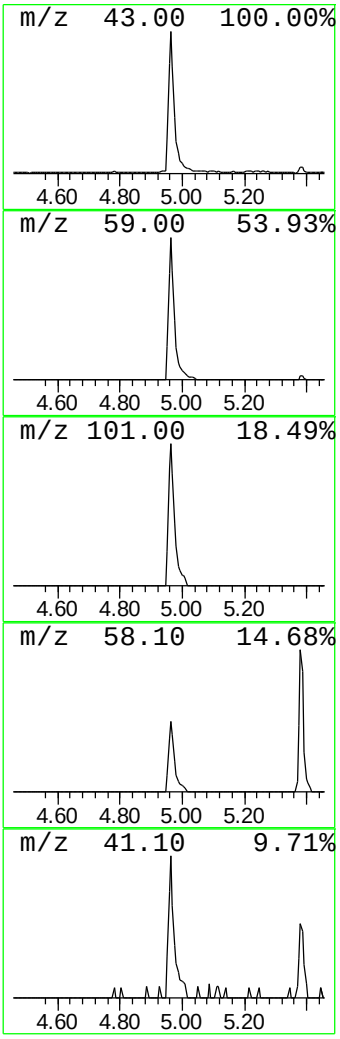
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	4.58 ng	132492	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Operator : JU/CG
Sample : L4247-10
Misc :
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Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

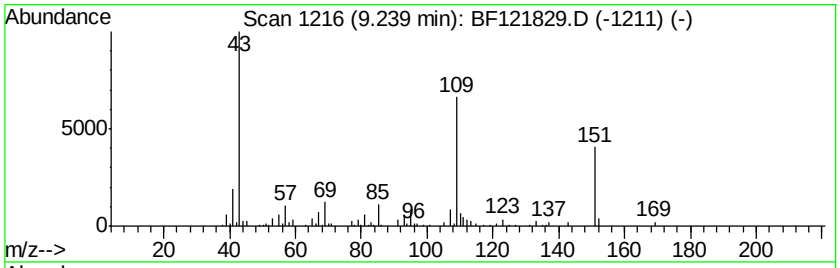
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

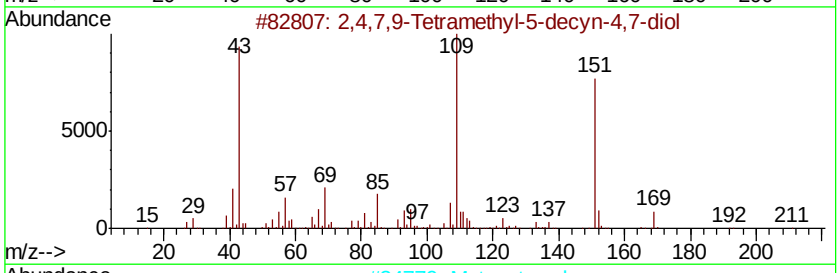
****

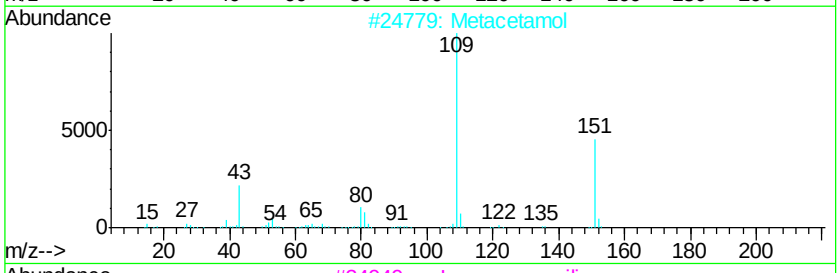
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 10

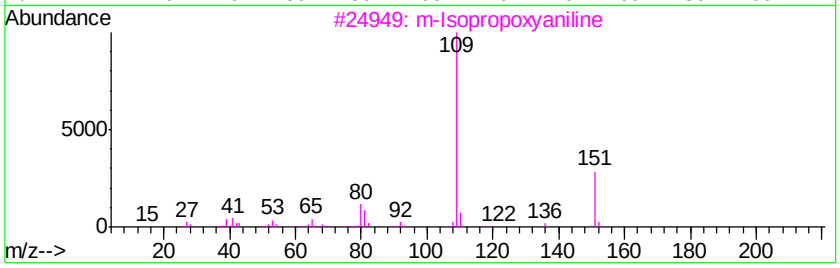
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	6.72 ng	262556	Acenaphthene-d10	9.80

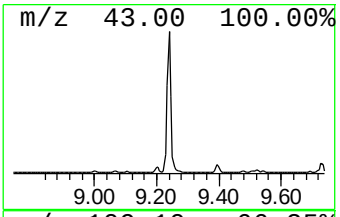
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	87
2	Metacetamol	151	C8H9NO2	000621-42-1	58
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	53
4	Acetaminophen	151	C8H9NO2	000103-90-2	53
5	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53

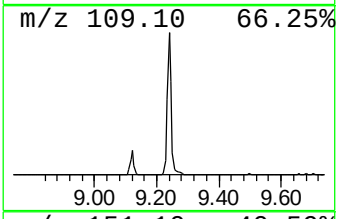


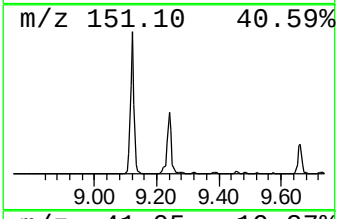


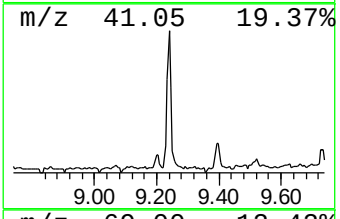


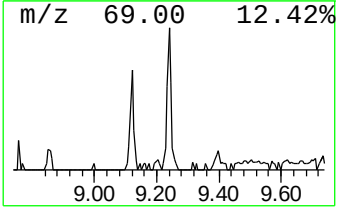












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

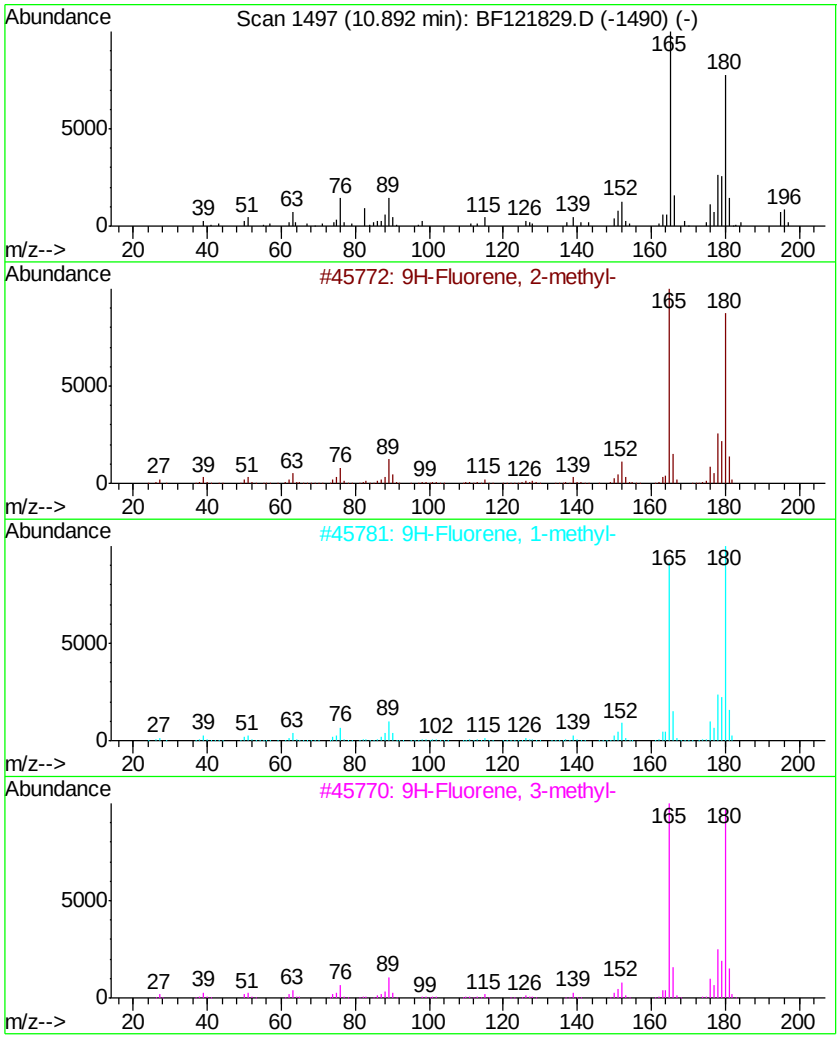
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

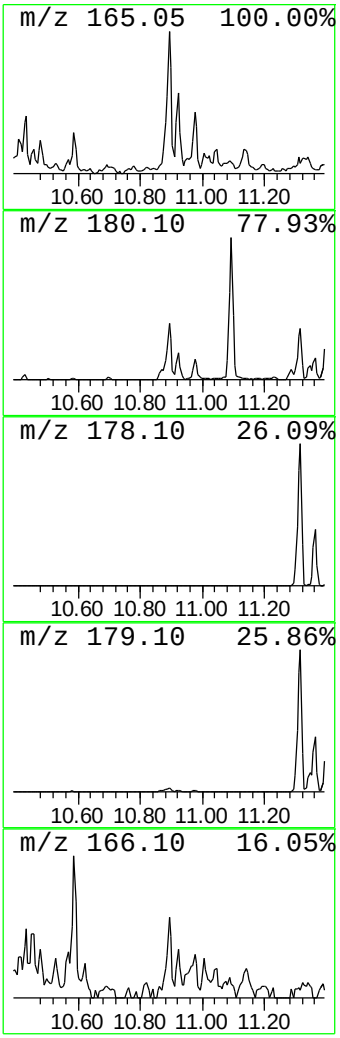
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	4.34 ng	140374	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
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Sample : L4247-10
Misc :
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Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

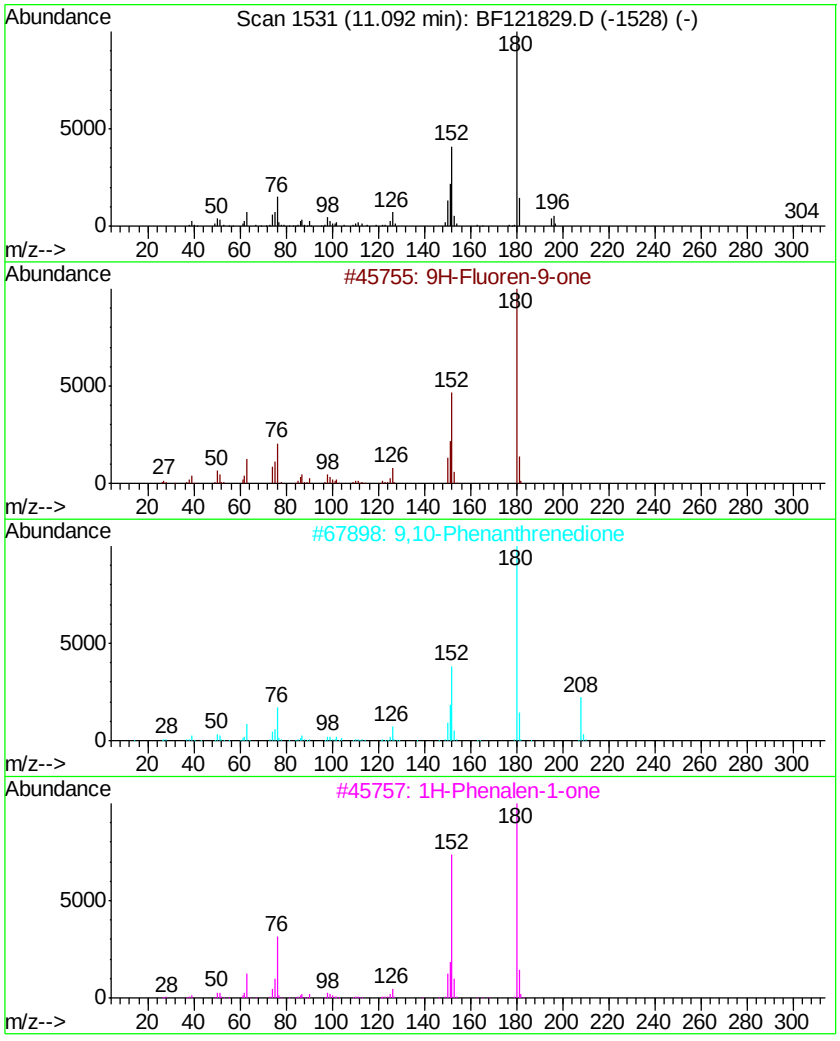
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

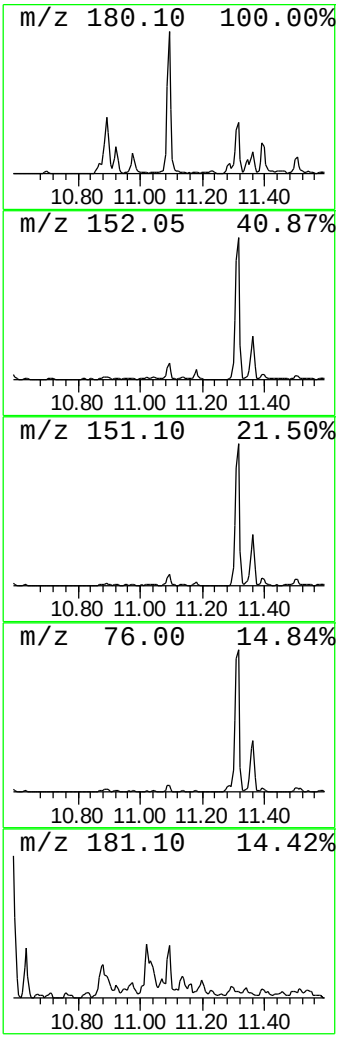
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.07 ng	131706	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Diphenic anhydride	224	C14H8O3	006050-13-1	62
5	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50





Library Search Compound Report

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Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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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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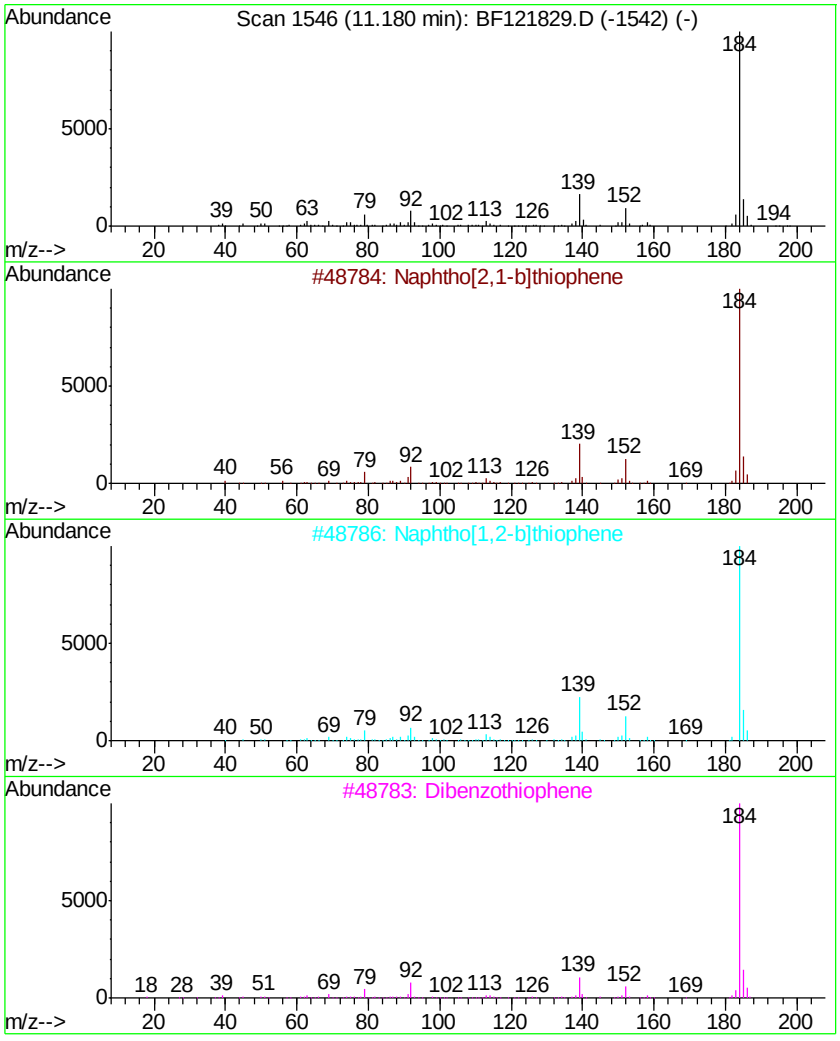
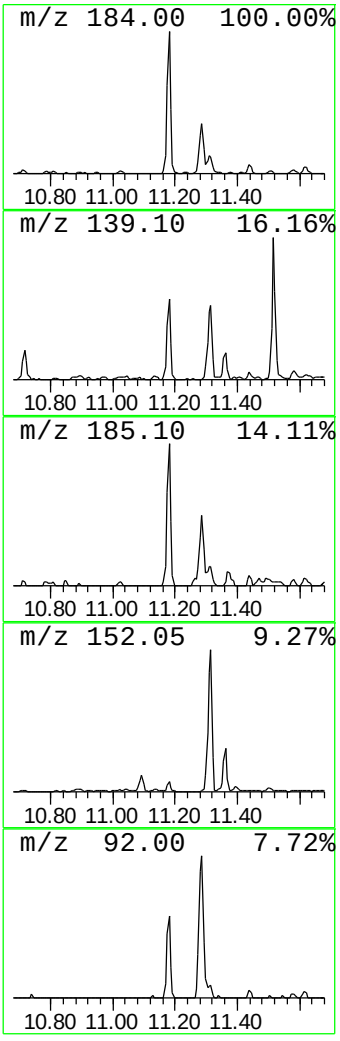
Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	8.00 ng	258934	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

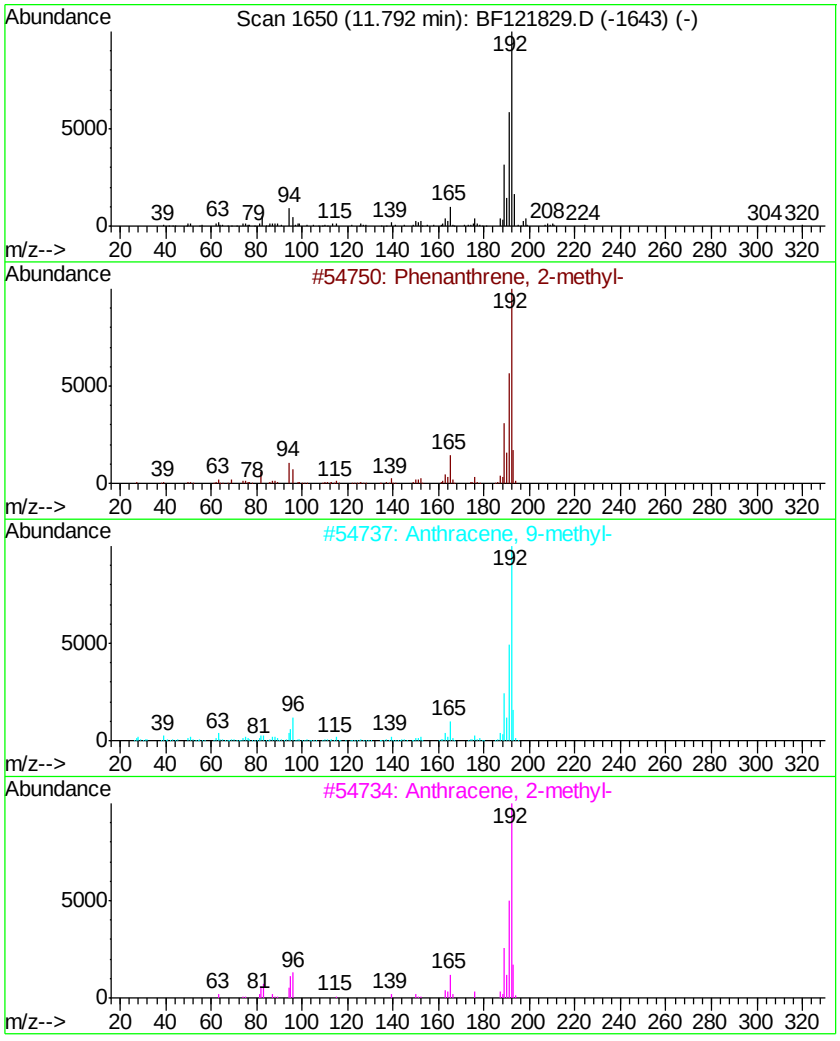
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

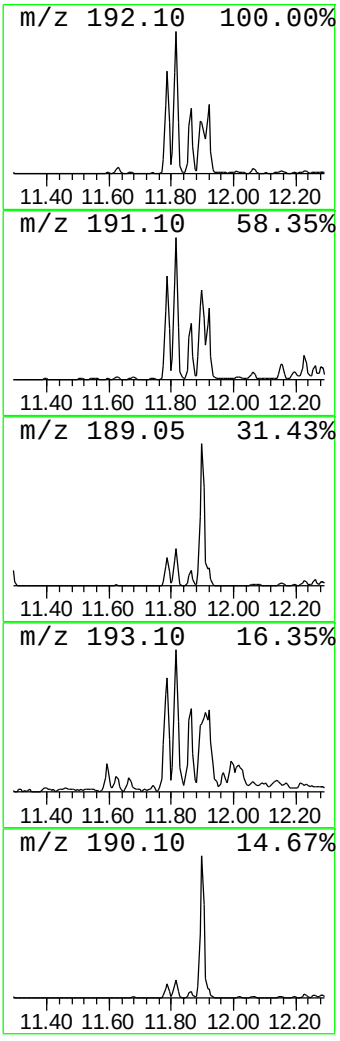
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.54 ng	341170	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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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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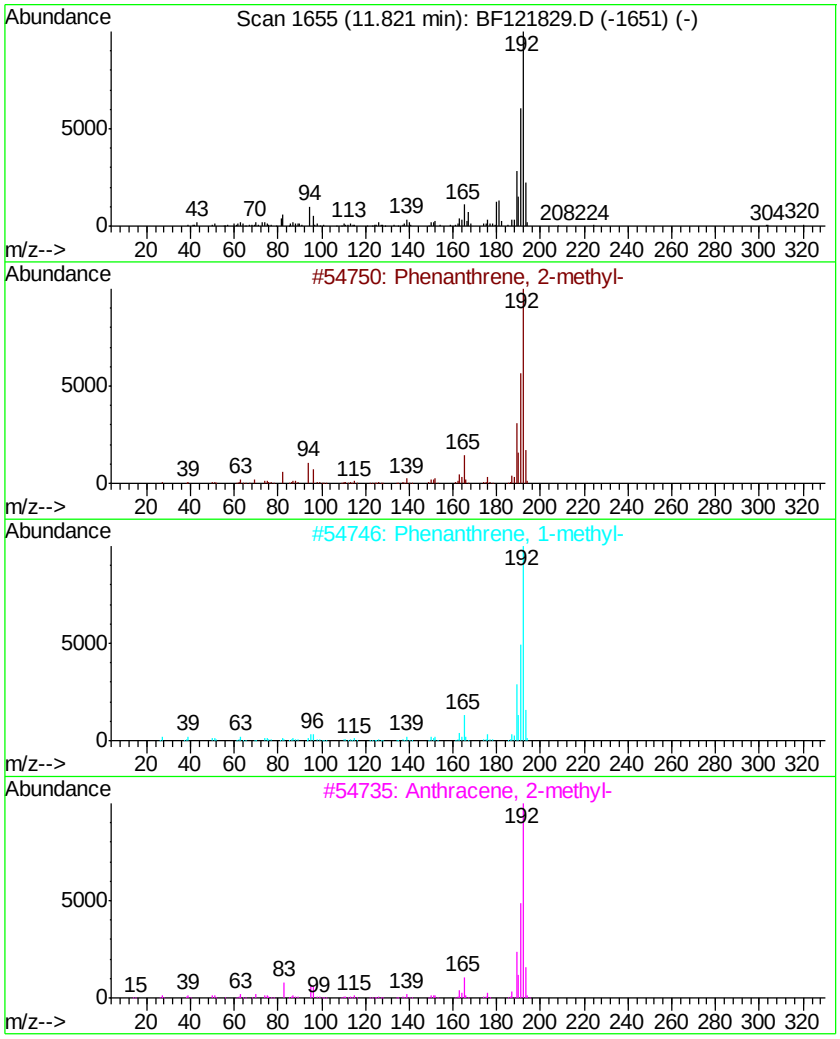
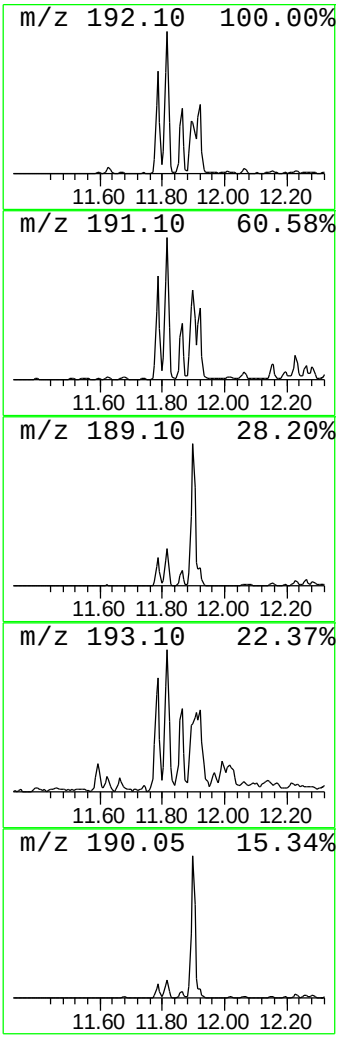
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	13.96 ng	451719	Phenanthrene-d10	11.29

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	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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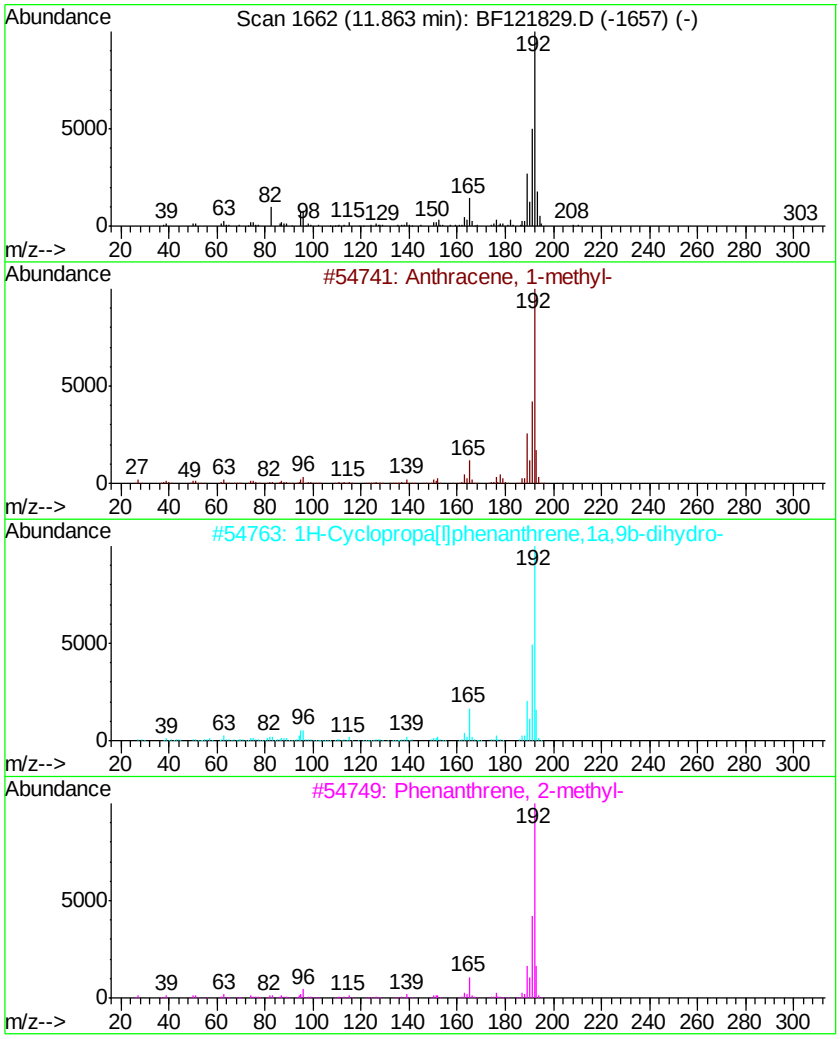
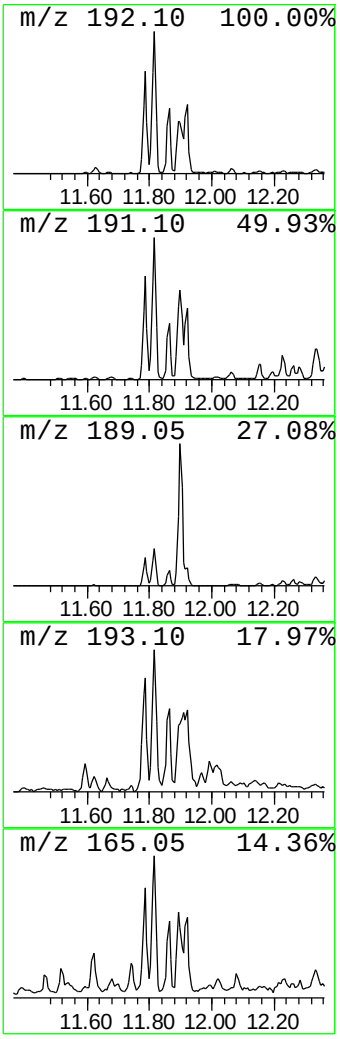
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.09 ng	197078	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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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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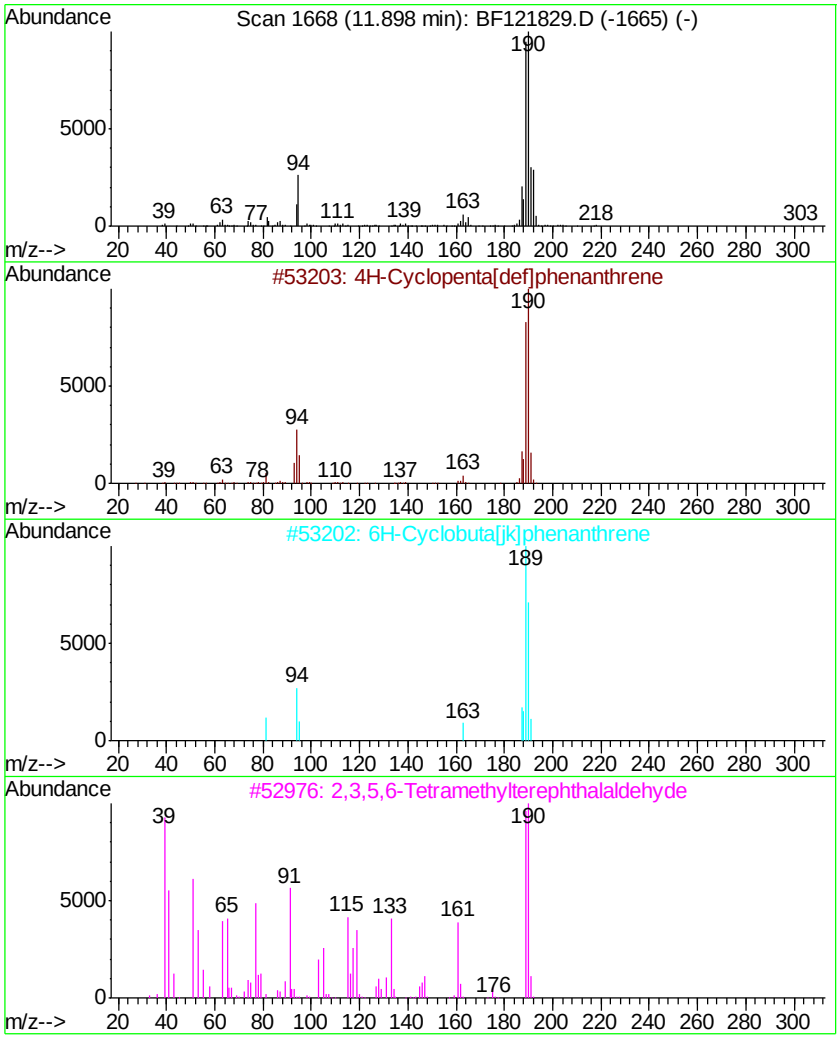
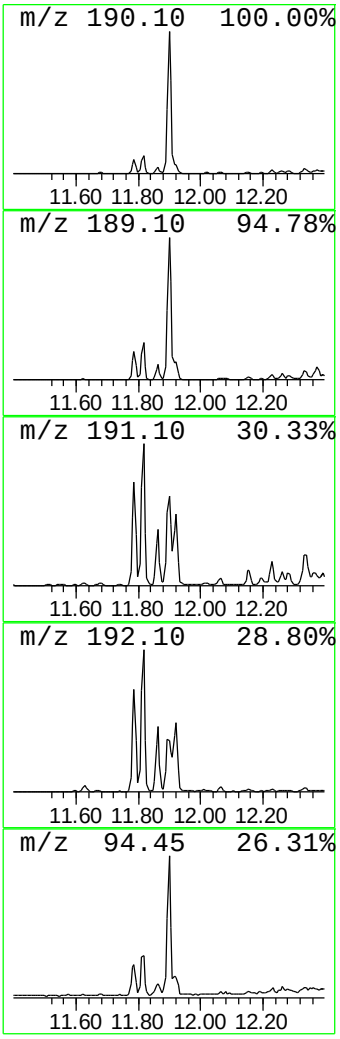
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	21.36 ng	691214	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Sample : L4247-10
Misc :
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Instrument : BNA_F
ClientSampleId : B-20(12-14)

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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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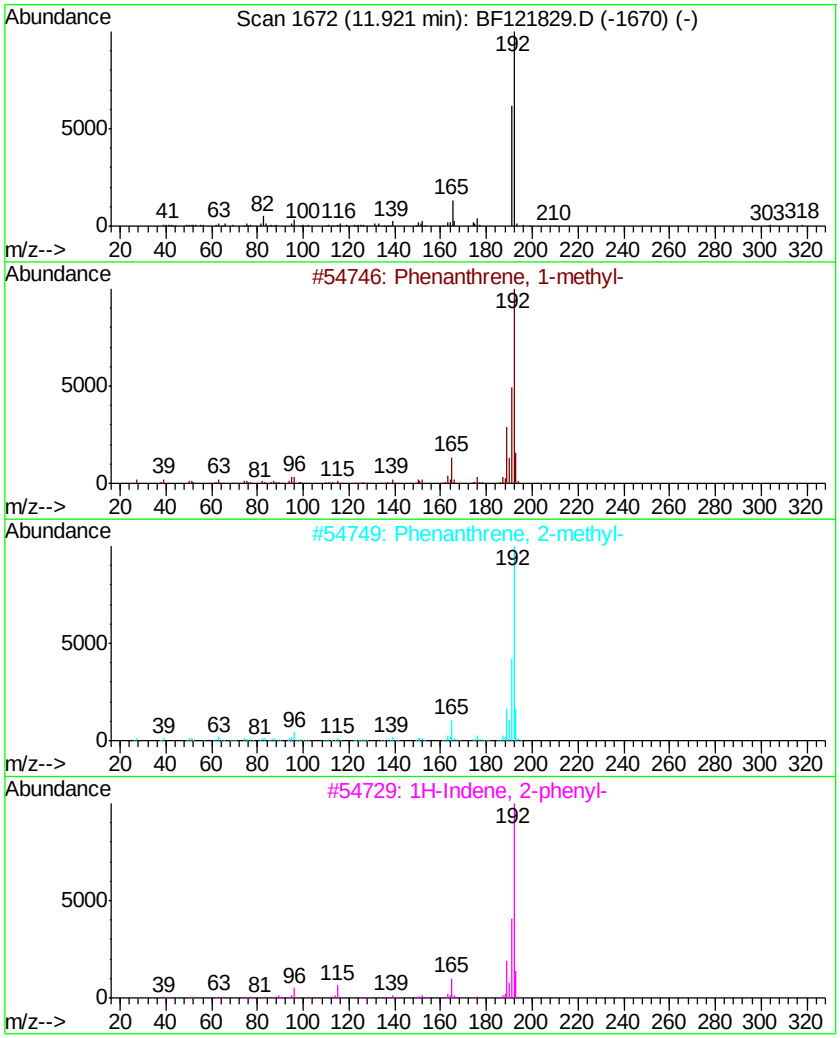
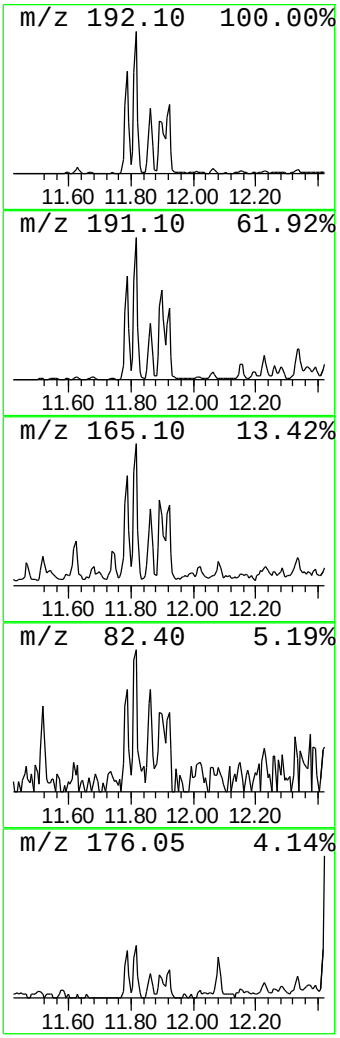
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	6.04 ng	195354	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80





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Acq On : 5 Oct 2020 21:22
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Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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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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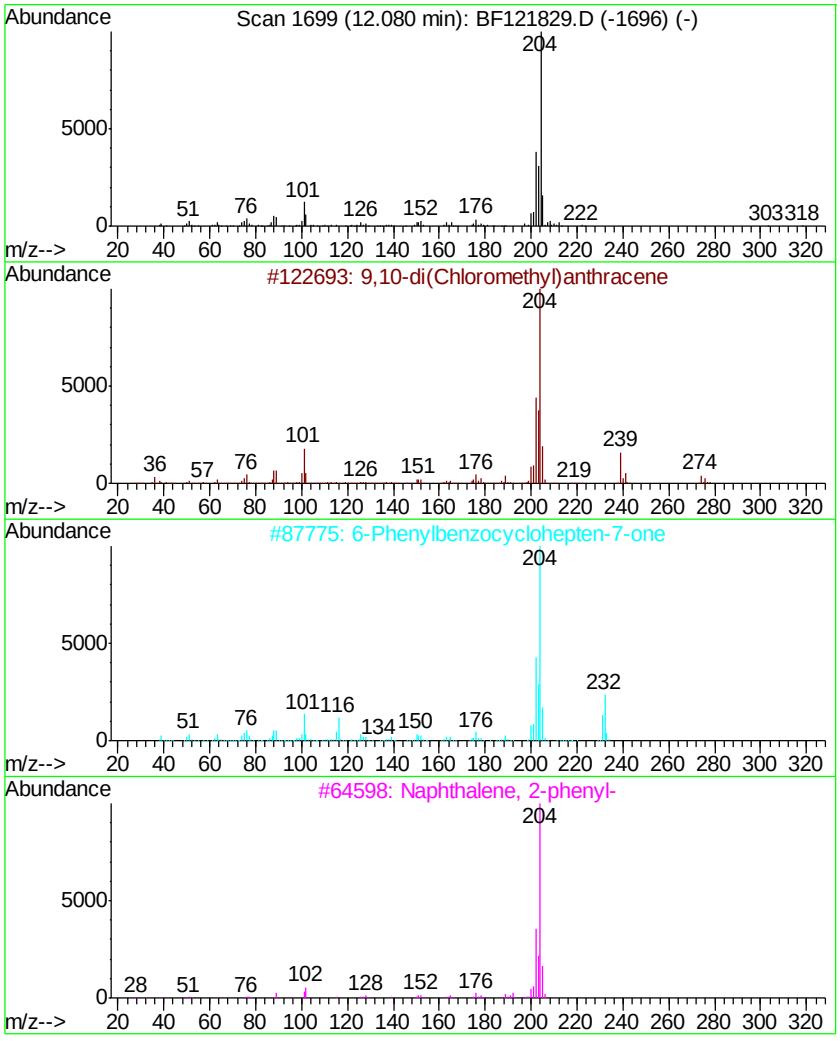
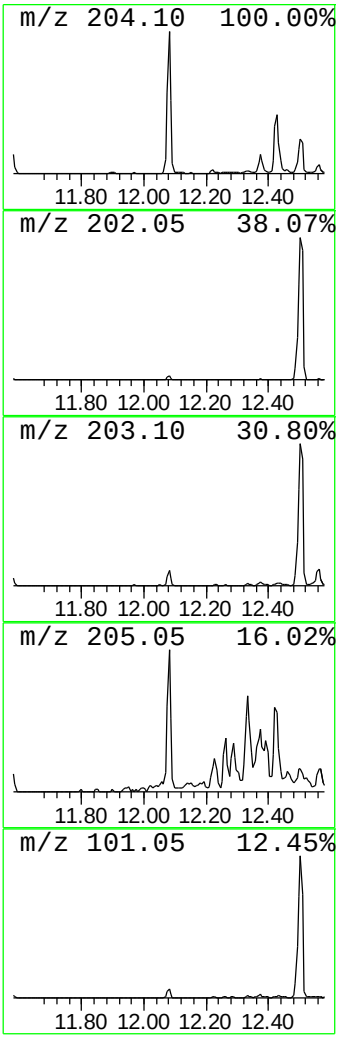
Peak Number 11 9,10-di(Chloromethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	7.43 ng	240293	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Sample : L4247-10
Misc :
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Instrument : BNA_F
ClientSampleId : B-20(12-14)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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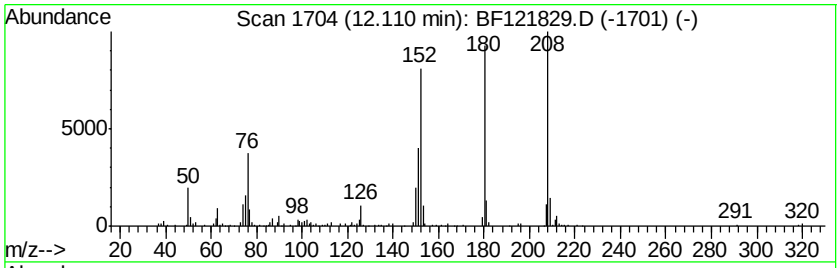
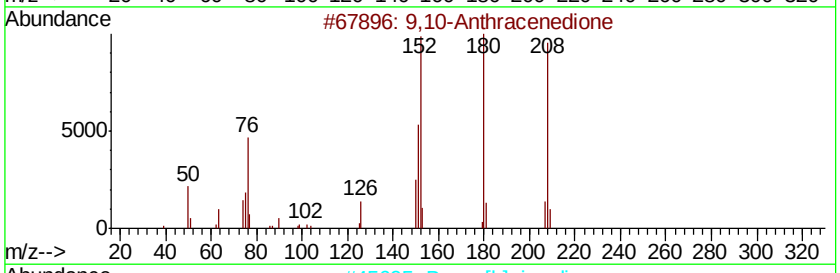
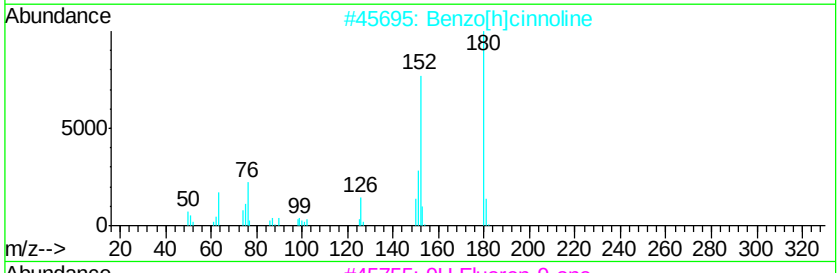
Peak Number 12 9,10-Anthracenedione Concentration Rank 14

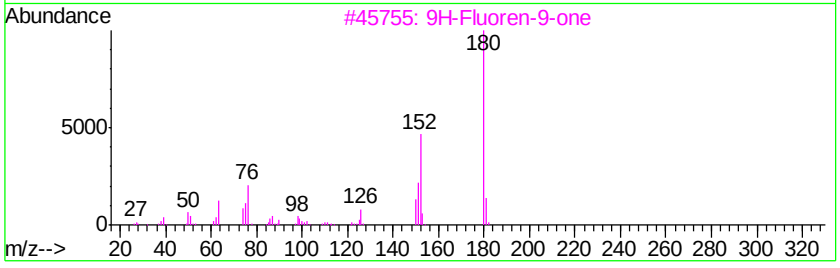
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	5.29 ng	171117	Phenanthrene-d10	11.29

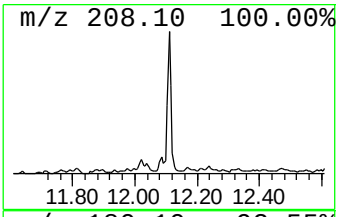
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60

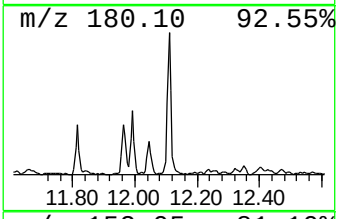


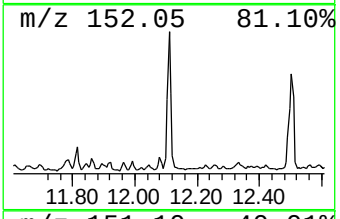


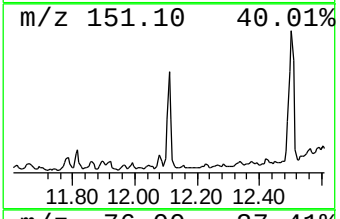


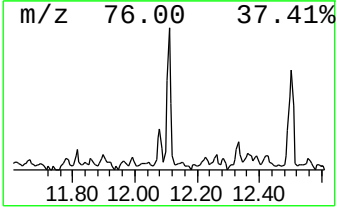












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Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

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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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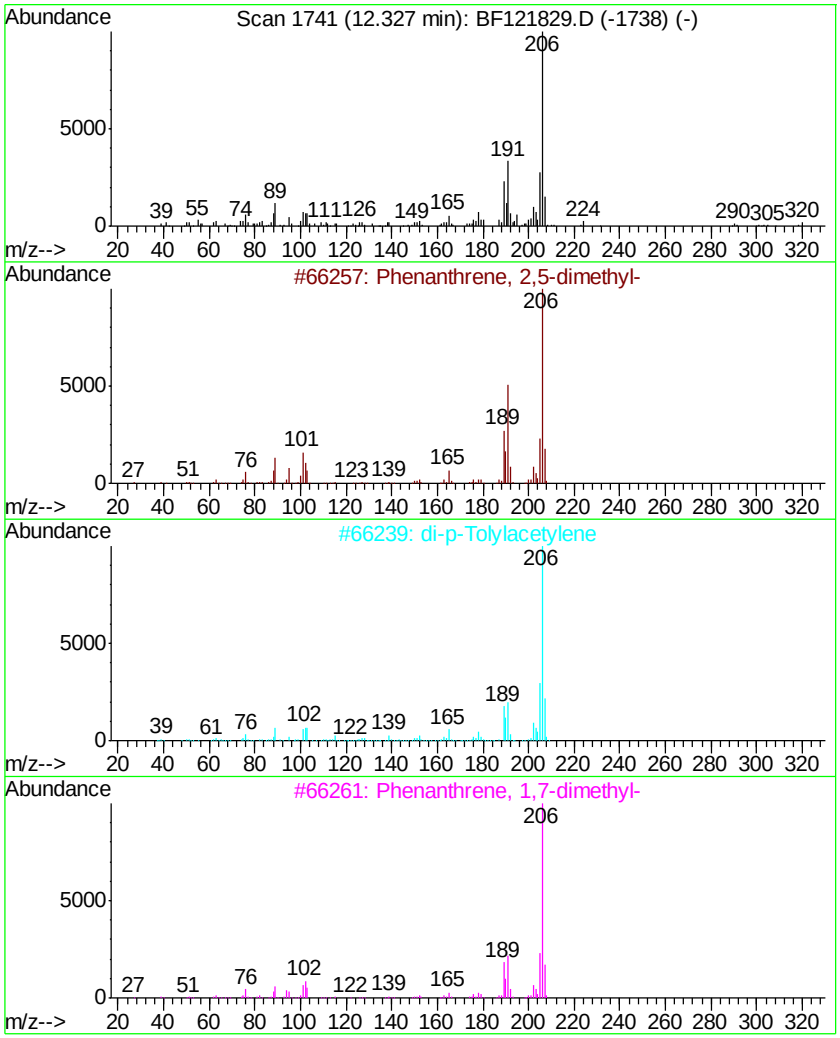
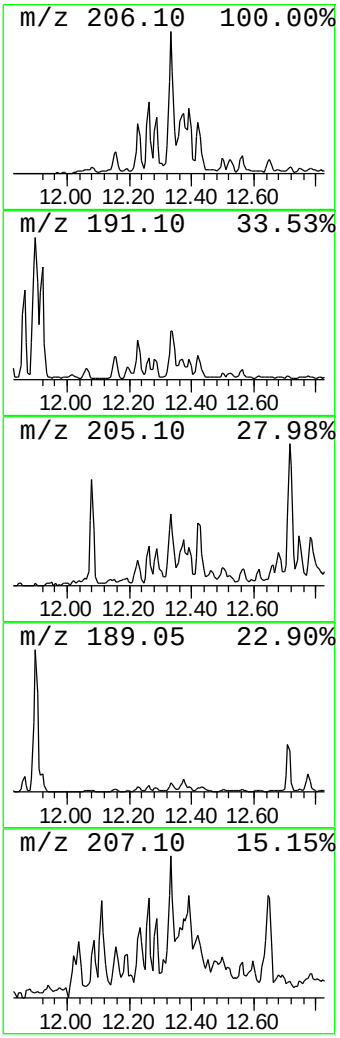
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	7.56 ng	244546	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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

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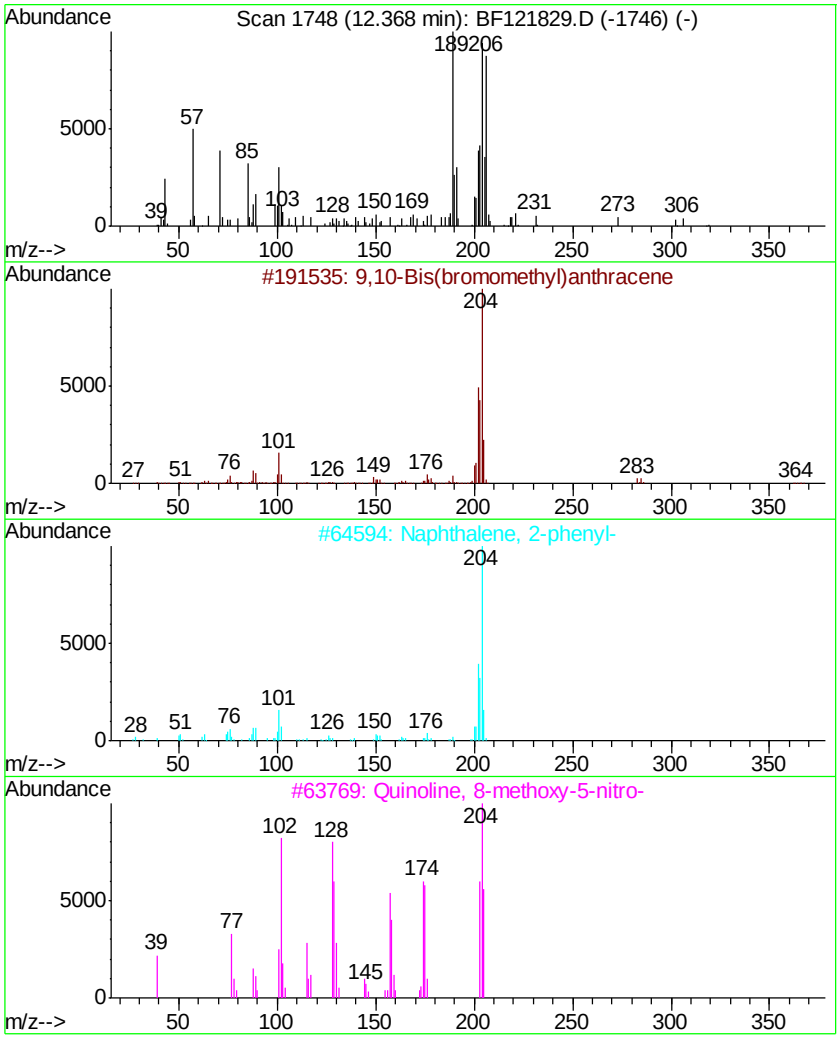
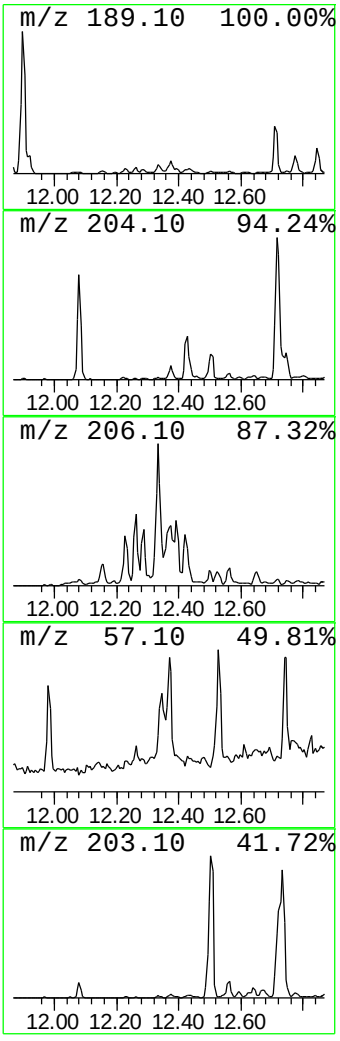
Peak Number 14 unknown12.37 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.89 ng	158284	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
4	Levamisole	204	C11H12N2S	014769-73-4	30
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30





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Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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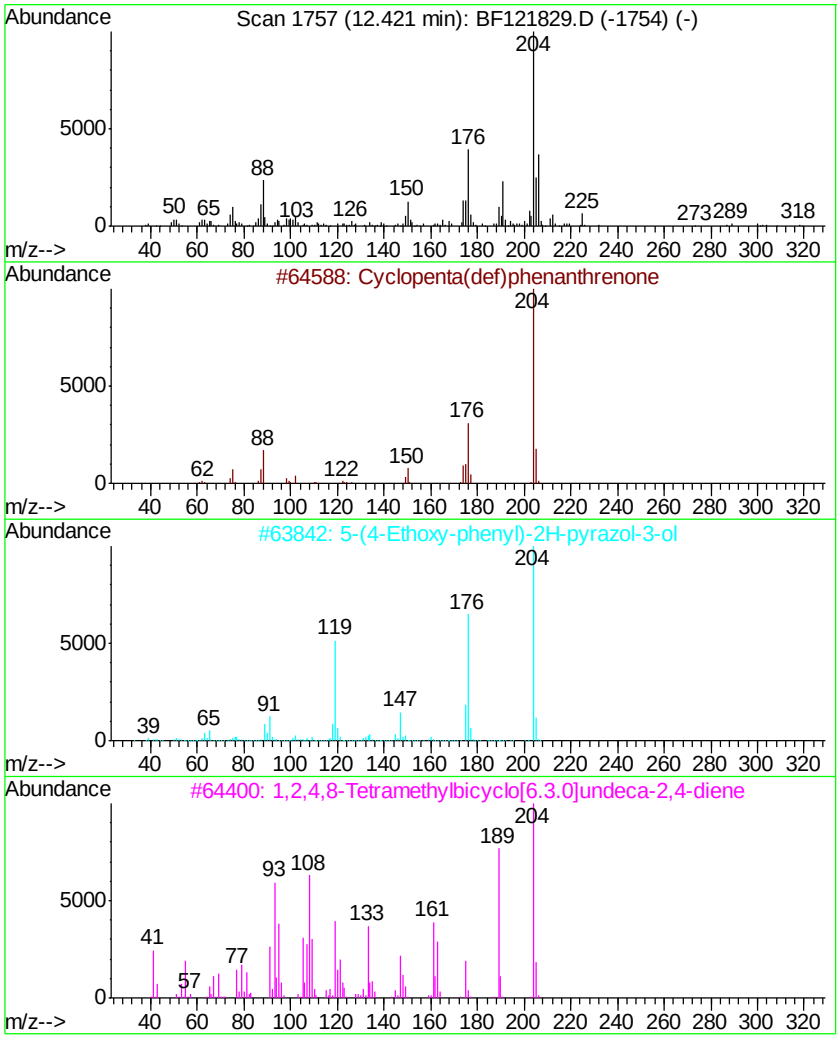
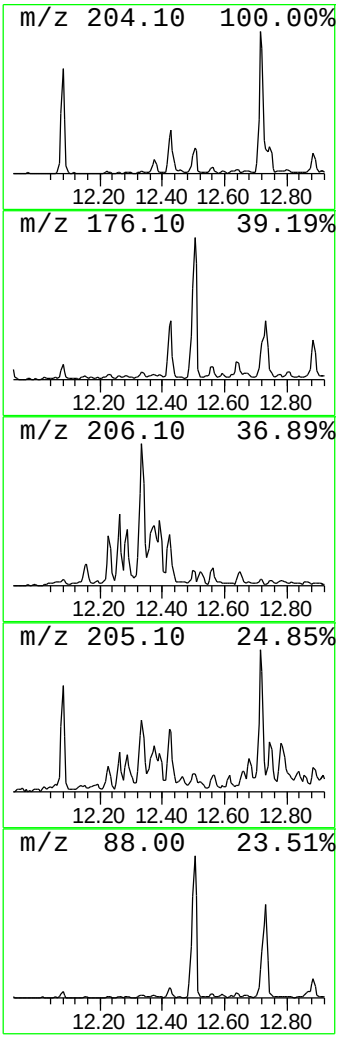
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	6.03 ng	195163	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





Library Search Compound Report

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Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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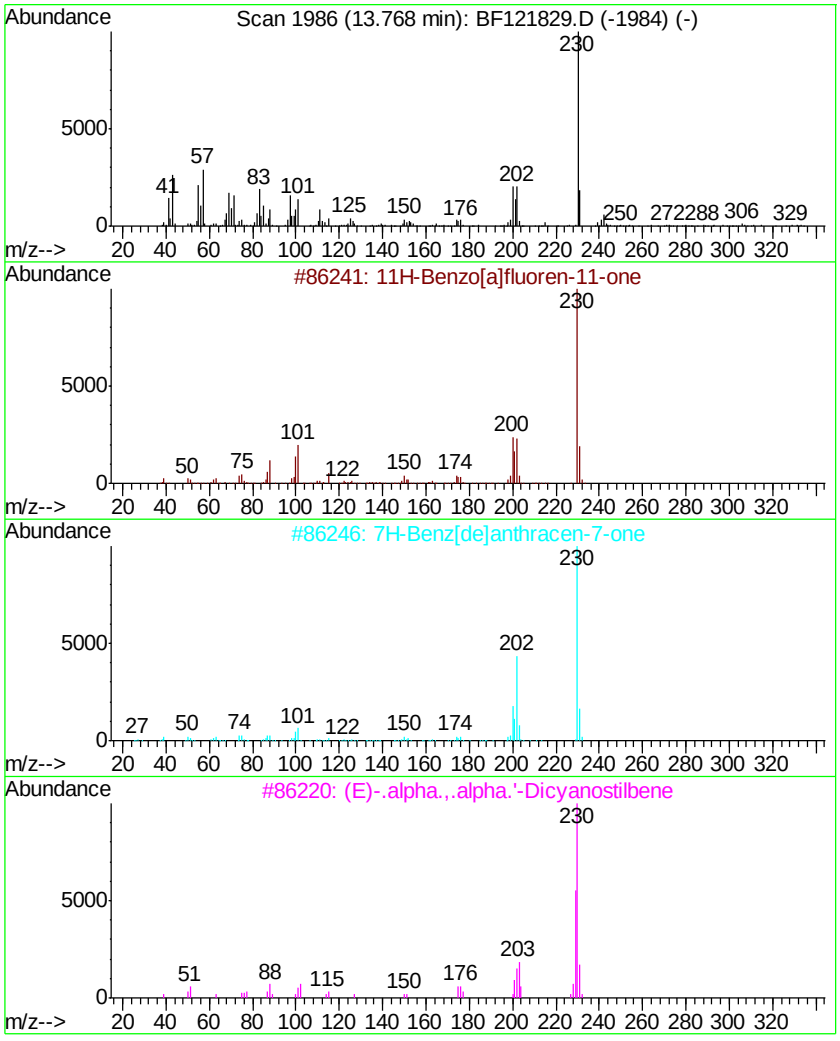
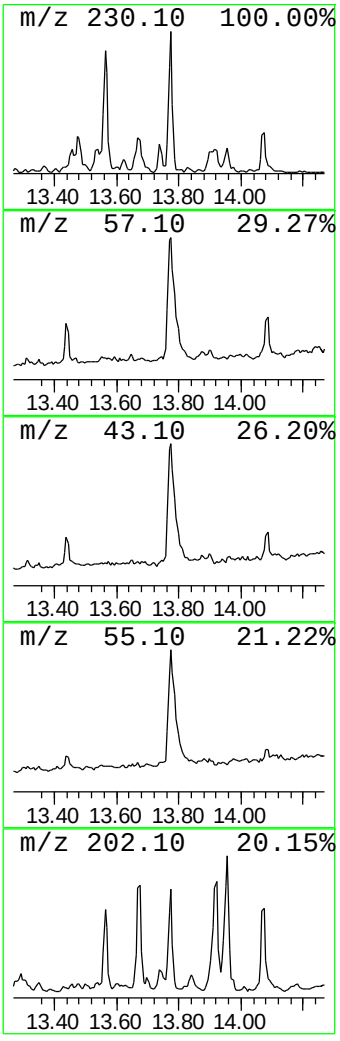
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.52 ng	633764	Chrysene-d12	13.93

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	81
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50





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Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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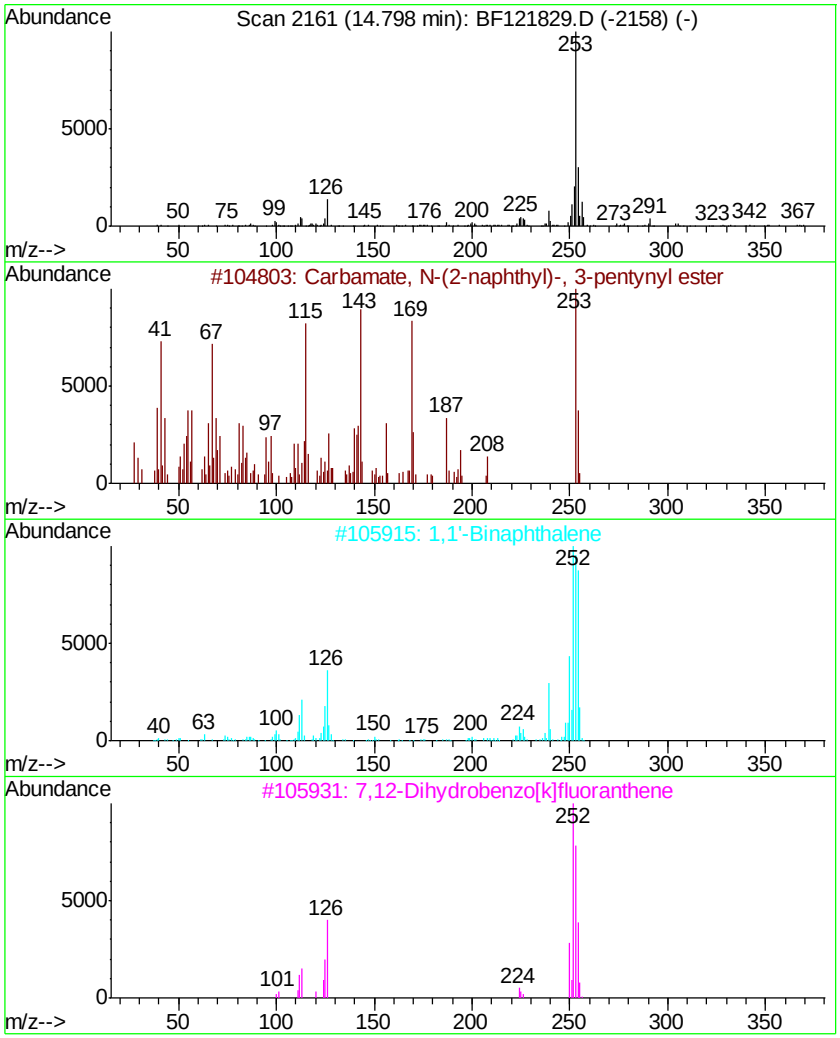
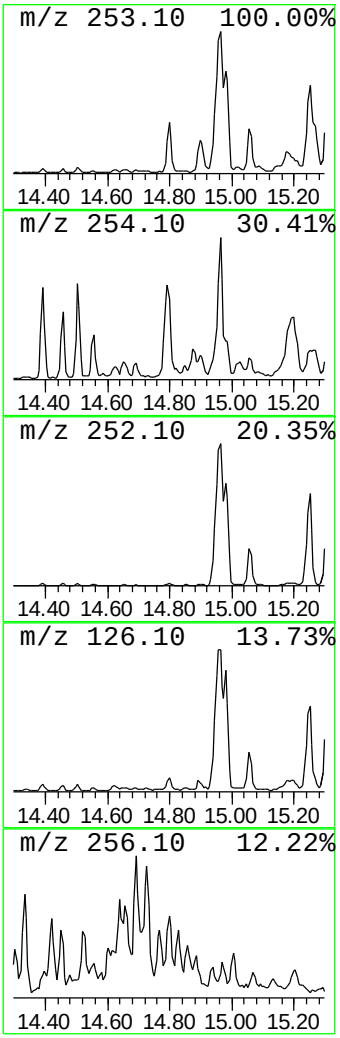
Peak Number 17 unknown14.80 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	8.07 ng	274573	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	49
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	38
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	35
4	8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	33
5	Ethyl 4-(5-methyl-1,1-dioxido-4-...	373	C19H19NO5S	1000294-64-6	23





Library Search Compound Report

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Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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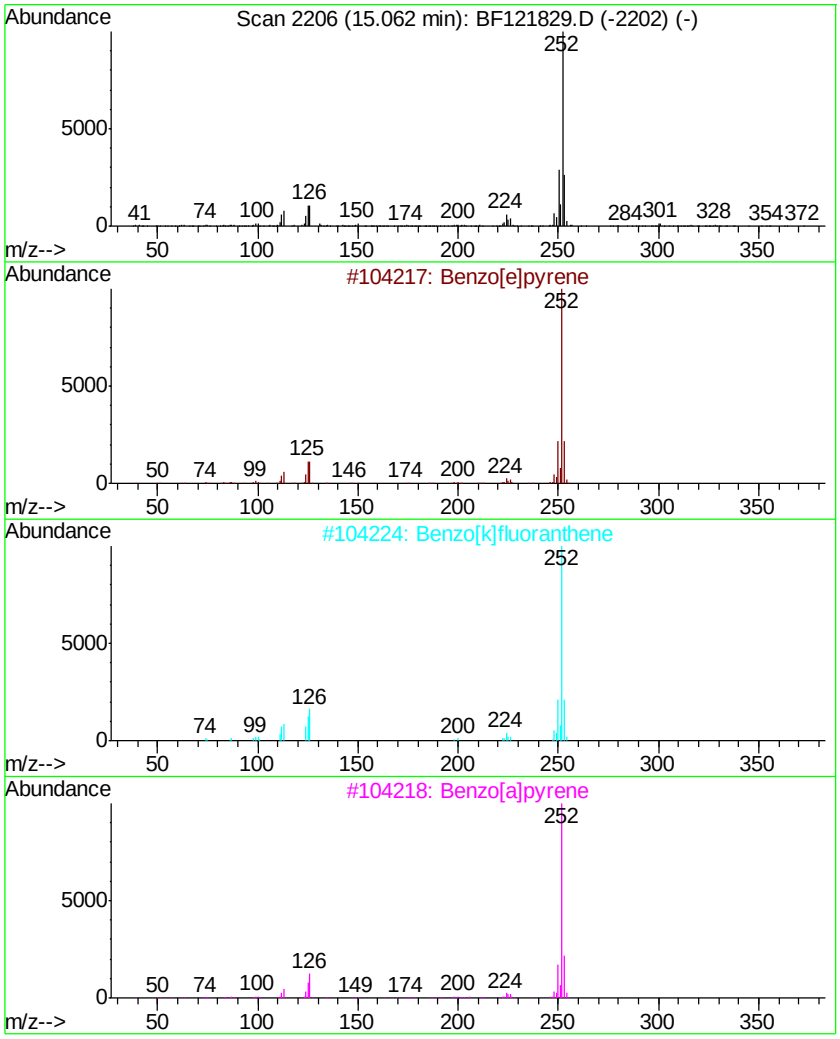
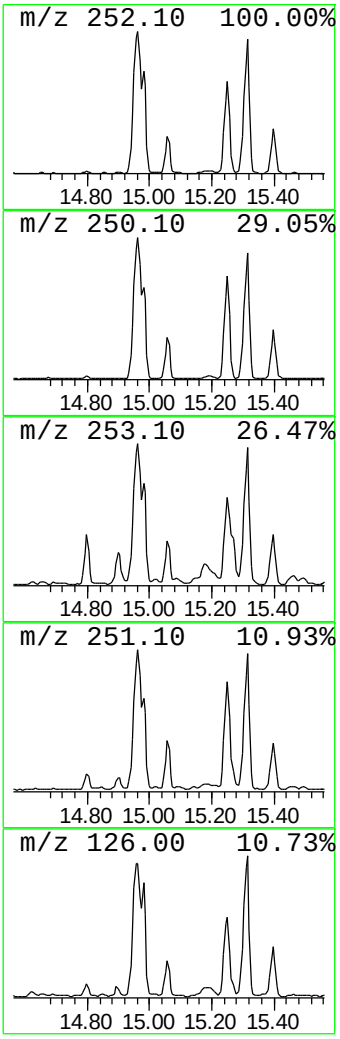
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	13.34 ng	453933	Perylene-d12	15.37

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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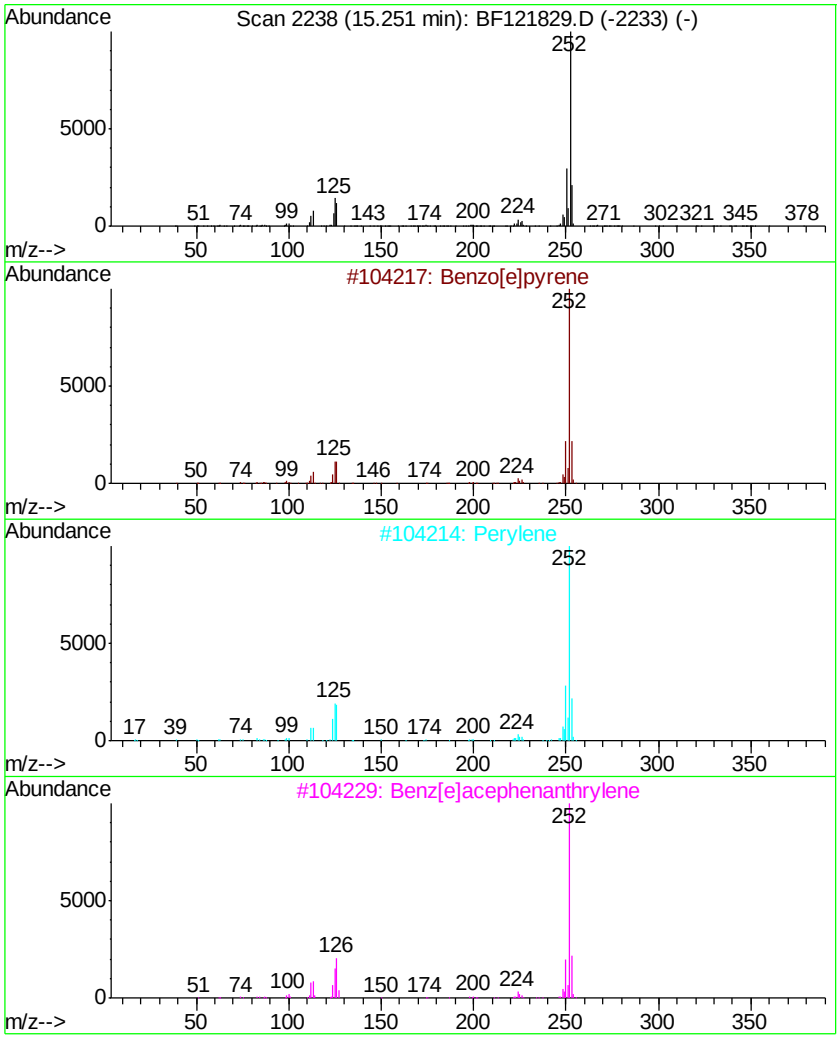
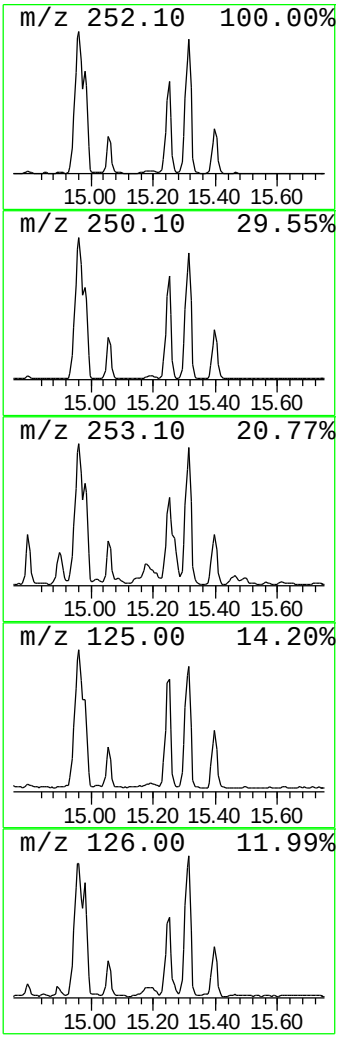
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	42.79 ng	1455860	Perylene-d12	15.37

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





Library Search Compound Report

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Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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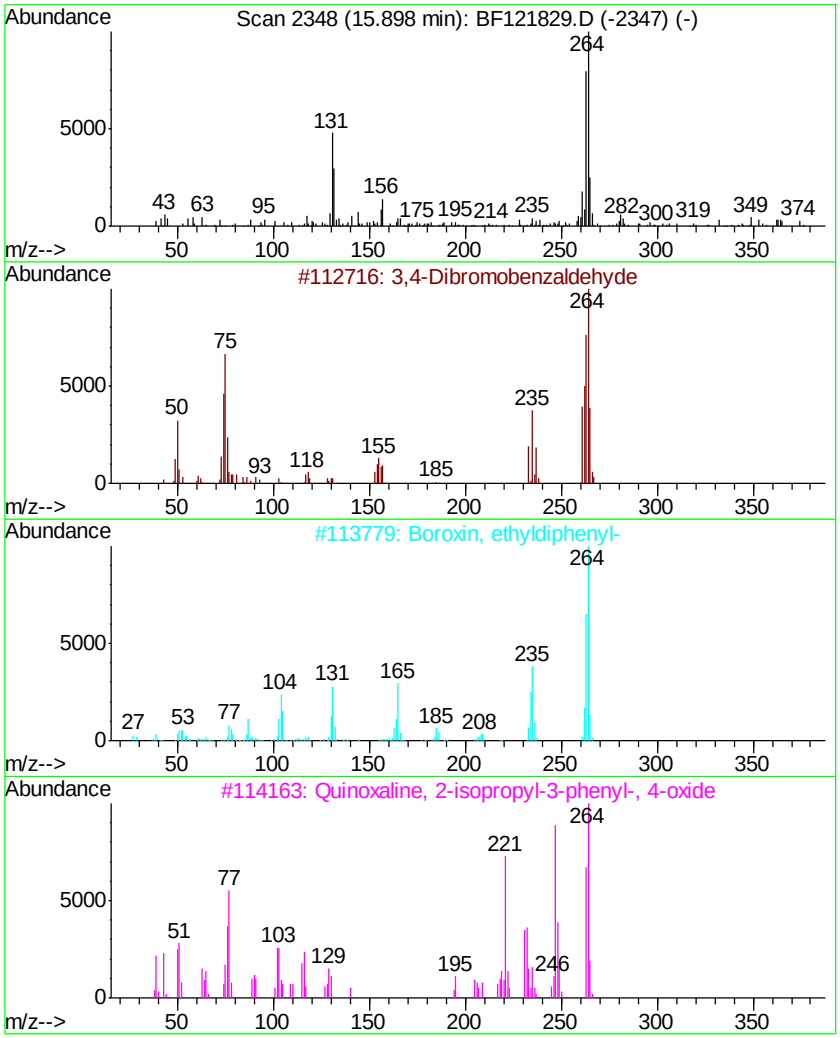
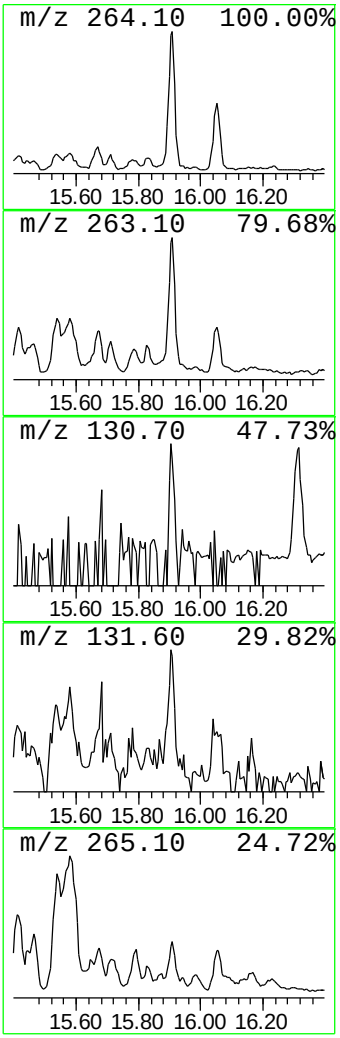
Peak Number 20 3,4-Dibromobenzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	4.77 ng	162213	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
3	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	50
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100520\
Data File : BF121829.D
Acq On : 5 Oct 2020 21:22
Operator : JU/CG
Sample : L4247-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
2-Pentanone, 4-hy...	4.96	4.6	ng	132492	1	6.76	579177	20.0
2,4,7,9-Tetrameth...	9.24	6.7	ng	262556	3	9.80	781192	20.0
9H-Fluorene, 2-me...	10.89	4.3	ng	140374	4	11.29	647111	20.0
9H-Fluoren-9-one	11.09	4.1	ng	131706	4	11.29	647111	20.0
Naphtho[2,1-b]thi...	11.18	8.0	ng	258934	4	11.29	647111	20.0
Phenanthrene, 2-m...	11.79	10.5	ng	341170	4	11.29	647111	20.0
Phenanthrene, 1-m...	11.82	14.0	ng	451719	4	11.29	647111	20.0
Anthracene, 1-met...	11.86	6.1	ng	197078	4	11.29	647111	20.0
4H-Cyclopenta[def...	11.90	21.4	ng	691214	4	11.29	647111	20.0
1H-Indene, 2-phenyl-	11.92	6.0	ng	195354	4	11.29	647111	20.0
9,10-di(Chloromet...	12.08	7.4	ng	240293	4	11.29	647111	20.0
9,10-Anthracenedione	12.11	5.3	ng	171117	4	11.29	647111	20.0
Phenanthrene, 2,5...	12.33	7.6	ng	244546	4	11.29	647111	20.0
unknown12.37	12.37	4.9	ng	158284	4	11.29	647111	20.0
Cyclopenta(def)ph...	12.42	6.0	ng	195163	4	11.29	647111	20.0
11H-Benzo[a]fluor...	13.77	3.5	ng	633764	5	13.93	3600670	20.0
unknown14.80	14.80	8.1	ng	274573	6	15.37	680430	20.0
Benzo[e]pyrene	15.06	13.3	ng	453933	6	15.37	680430	20.0
Perylene	15.25	42.8	ng	1455860	6	15.37	680430	20.0
3,4-Dibromobenzal...	15.90	4.8	ng	162213	6	15.37	680430	20.0