LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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	5.387	557	561	577	rBV	2698006	2584104	26.66%	1.791%
2	6.404	729	734	745	rBV	2633319	2651088	27.35%	1.837%
3	6.763	791	795	798	rBV	1035254	810418	8.36%	0.562%
4	7.328	886	891	894	rBV	1913932	1765169	18.21%	1.223%
5	8.045	1008	1013	1015	rBV	1248230	1114800	11.50%	0.773%
6	8.069	1015	1017	1020	rVB	1326517	991151	10.23%	0.687%
7	8.757	1129	1134	1138	rBV	610855	496382	5.12%	0.344%
8	8.857	1146	1151	1155	rVB	449347	384061	3.96%	0.266%
9	9.122	1189	1196	1199	rBV	3349192	2920026	30.12%	2.024%
10	9.239	1210	1216	1220	rVB2	684157	771055	7.95%	0.534%
11	9.457	1249	1253	1256	rVV	363845	377096	3.89%	0.261%
12	9.516	1260	1263	1266	rVV	684162	540745	5.58%	0.375%
13	9.657	1284	1287	1291	rVB	551436	482369	4.98%	0.334%
14	9.798	1302	1311	1314	rBV2	1183250	1199999	12.38%	0.832%
15	9.833	1314	1317	1320	rVV	2199307	1711764	17.66%	1.186%
16	10.004	1342	1346	1350	rVV	1104705	955436	9.86%	0.662%
17	10.345	1400	1404	1408	rBV	1628461	1517253	15.65%	1.051%
18	10.504	1428	1431	1434	rVV	441218	389019	4.01%	0.270%
19	10.586	1438	1445	1449	rVV	1961868	1950689	20.12%	1.352%
20	10.716	1456	1467	1472	rVB5	203367	320523	3.31%	0.222%
21	10.892	1490	1497	1500	rBV3	348970	492244	5.08%	0.341%
22	11.022	1514	1519	1521	rBV3	223562	313672	3.24%	0.217%
23	11.045	1521	1523	1528	rVV	271680	318254	3.28%	0.221%
24	11.092	1528	1531	1535	rVV	658508	574405	5.93%	0.398%
25	11.133	1535	1538	1543	rVV4	262315	418101	4.31%	0.290%
26	11.180	1543	1546	1552	rVB	745024	710009	7.32%	0.492%
27	11.328	1558	1571	1573	rBV	5839254	9150924	94.40%	6.341%
28	11.369	1573	1578	1580	rVV	3132502	2895990	29.88%	2.007%
29	11.392	1580	1582	1586	rVV2	377659	396951	4.10%	0.275%
30	11.522	1596	1604	1611	rVV2	1423340	1779589	18.36%	1.233%
31	11.580	1611	1614	1618	rVV2	306964	292596	3.02%	0.203%
32	11.786	1644	1649	1651	rBV	1176897	1105260	11.40%	0.766%
33	11.816	1651	1654	1658	rVB	1740157	1434339	14.80%	0.994%
34	11.863	1658	1662	1665	rBV	748029	683277	7.05%	0.473%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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	11.904	1665	1669	1671	rBV	1930631	2155032	22.23%	1.493%
36	11.922	1671	1672	1676	rVB	839072	467255	4.82%	0.324%
37	12.080	1696	1699	1702	rVV	840036	698181	7.20%	0.484%
38	12.116	1702	1705	1708	rVB	569583	535774	5.53%	0.371%
39	12.333	1738	1742	1745	rBV	511933	627585	6.47%	0.435%
40	12.374	1745	1749	1751	rVV2	380608	435453	4.49%	0.302%
41	12.433	1755	1759	1765	rVB2	524892	675843	6.97%	0.468%
42	12.522	1765	1774	1776	rBV	6231600	9693274	100.00%	6.717%
43	12.651	1790	1796	1798	rBV2	592200	653685	6.74%	0.453%
44	12.745	1805	1812	1815	rBV3	5447817	9691217	99.98%	6.716%
45	12.774	1815	1817	1822	rVB2	480102	489827	5.05%	0.339%
46	12.845	1825	1829	1831	rBV	693600	800865	8.26%	0.555%
47	12.869	1831	1833	1835	rVV	2238346	2186075	22.55%	1.515%
48	12.886	1835	1836	1840	rVB	868962	647361	6.68%	0.449%
49	12.951	1840	1847	1850	rBV3	680656	1274242	13.15%	0.883%
50	13.033	1857	1861	1862	rBV3	645565	658968	6.80%	0.457%
51	13.057	1862	1865	1868	rVB	1630033	1661141	17.14%	1.151%
52	13.121	1873	1876	1879	rBV	1100440	978951	10.10%	0.678%
53	13.163	1879	1883	1885	rVV2	947496	1137474	11.73%	0.788%
54	13.186	1885	1887	1890	rVB	386447	343337	3.54%	0.238%
55	13.251	1895	1898	1901	rBV	430678	373058	3.85%	0.259%
56	13.280	1901	1903	1907	rBV2	489065	502176	5.18%	0.348%
57	13.457	1926	1933	1934	rBV4	253915	512588	5.29%	0.355%
58	13.480	1934	1937	1939	rVV2	442501	457597	4.72%	0.317%
59	13.569	1949	1952	1956	rVV	962767	985677	10.17%	0.683%
60	13.674	1966	1970	1972	rVV	1217565	1227365	12.66%	0.851%
61	13.704	1972	1975	1977	rVV	1060491	1103154	11.38%	0.764%
62	13.727	1977	1979	1985	rVV3	912333	1534869	15.83%	1.064%
63	13.780	1985	1988	1994	rVV	1254227	1441879	14.88%	0.999%
64	13.845	1994	1999	2002	rVV	313734	448755	4.63%	0.311%
65	13.927	2005	2013	2017	rVV2	4248945	8431484	86.98%	5.843%
66	13.969	2017	2020	2025	rVV	4439057	4687903	48.36%	3.249%
67	14.039	2025	2032	2036	rVV	1449482	1661695	17.14%	1.152%
68	14.074	2036	2038	2043	rVV3	406389	815273	8.41%	0.565%
69	14.121	2043	2046	2048	rVV	720629	782154	8.07%	0.542%
70	14.157	2048	2052	2055	rVV2	876750	1182398	12.20%	0.819%
71	14.186	2055	2057	2060	rVV3	322358	348243	3.59%	0.241%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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	14.245	2064	2067	2069	rVV2	247762	291245	3.00%	0.202%
73	14.274	2069	2072	2075	rVV	610936	733880	7.57%	0.509%
74	14.316	2075	2079	2081	rVV	1274830	1367769	14.11%	0.948%
75	14.345	2081	2084	2088	rVV2	649046	767934	7.92%	0.532%
76	14.392	2088	2092	2093	rVV4	401025	513556	5.30%	0.356%
77	14.410	2093	2095	2097	rVV	612817	591887	6.11%	0.410%
78	14.439	2097	2100	2102	rVV	738007	829301	8.56%	0.575%
79	14.457	2102	2103	2107	rVV2	712014	668241	6.89%	0.463%
80	14.510	2107	2112	2117	rVV3	408055	729667	7.53%	0.506%
81	14.627	2128	2132	2141	rVB4	511535	910694	9.40%	0.631%
82	14.804	2158	2162	2165	rBV2	484909	580151	5.99%	0.402%
83	14.974	2183	2191	2194	rBV2	3368947	7254565	74.84%	5.027%
84	14.998	2194	2195	2197	rVV	2590371	1343505	13.86%	0.931%
85	15.027	2197	2200	2203	rVV2	214865	335880	3.47%	0.233%
86	15.068	2203	2207	2210	rVB	1005826	1052737	10.86%	0.730%
87	15.145	2217	2220	2222	rBV3	266510	381891	3.94%	0.265%
88	15.263	2233	2240	2245	rVB	1912924	3077164	31.75%	2.132%
89	15.333	2245	2252	2255	rVB	2990862	4351316	44.89%	3.015%
90	15.374	2255	2259	2261	rBV	605229	698970	7.21%	0.484%
91	15.410	2261	2265	2271	rVB2	1231452	1714131	17.68%	1.188%
92	15.586	2290	2295	2300	rVB3	246289	527769	5.44%	0.366%
93	15.715	2314	2317	2323	rVB3	171606	294001	3.03%	0.204%
94	15.910	2347	2350	2354	rVB	224123	296657	3.06%	0.206%
95	16.598	2461	2467	2470	rBV2	239546	472118	4.87%	0.327%
96	16.810	2494	2503	2508	rVB	1451295	3070908	31.68%	2.128%
97	16.957	2521	2528	2532	rBV	388766	758124	7.82%	0.525%
98	17.009	2533	2537	2542	rBV2	224506	366170	3.78%	0.254%
99	17.239	2566	2576	2586	rVB	1084081	2491393	25.70%	1.726%
100	17.451	2605	2612	2627	rVB2	415641	1025300	10.58%	0.711%

Sum of corrected areas: 144303490

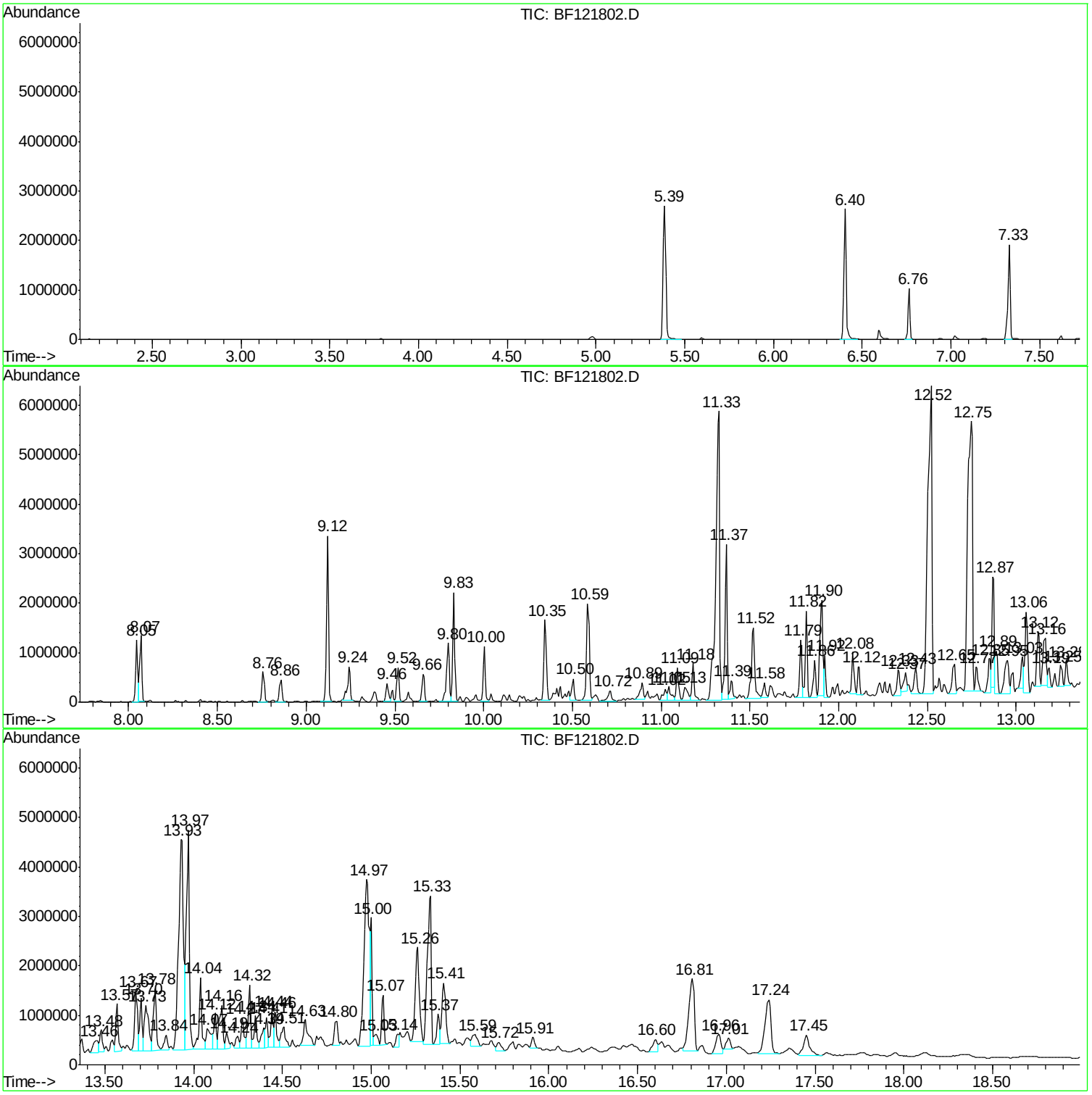
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
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Sample : L4213-06
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Instrument : BNA_F
ClientSampleId : B-16(7-9)

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

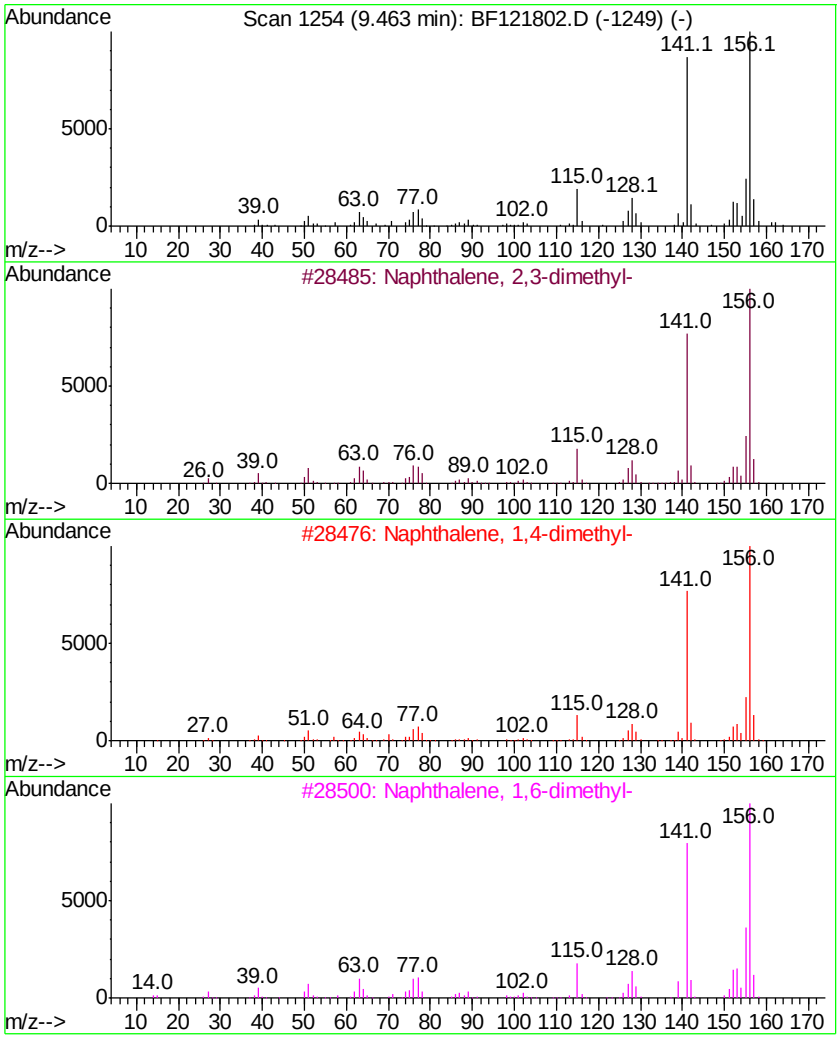
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

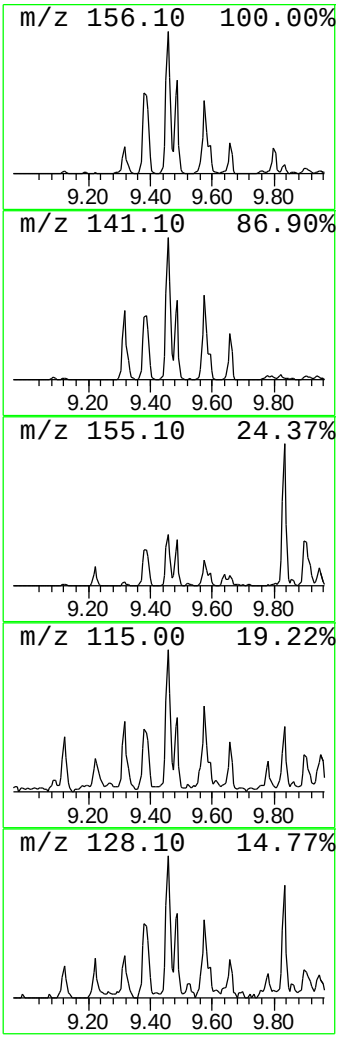
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	6.28 ng	377096	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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

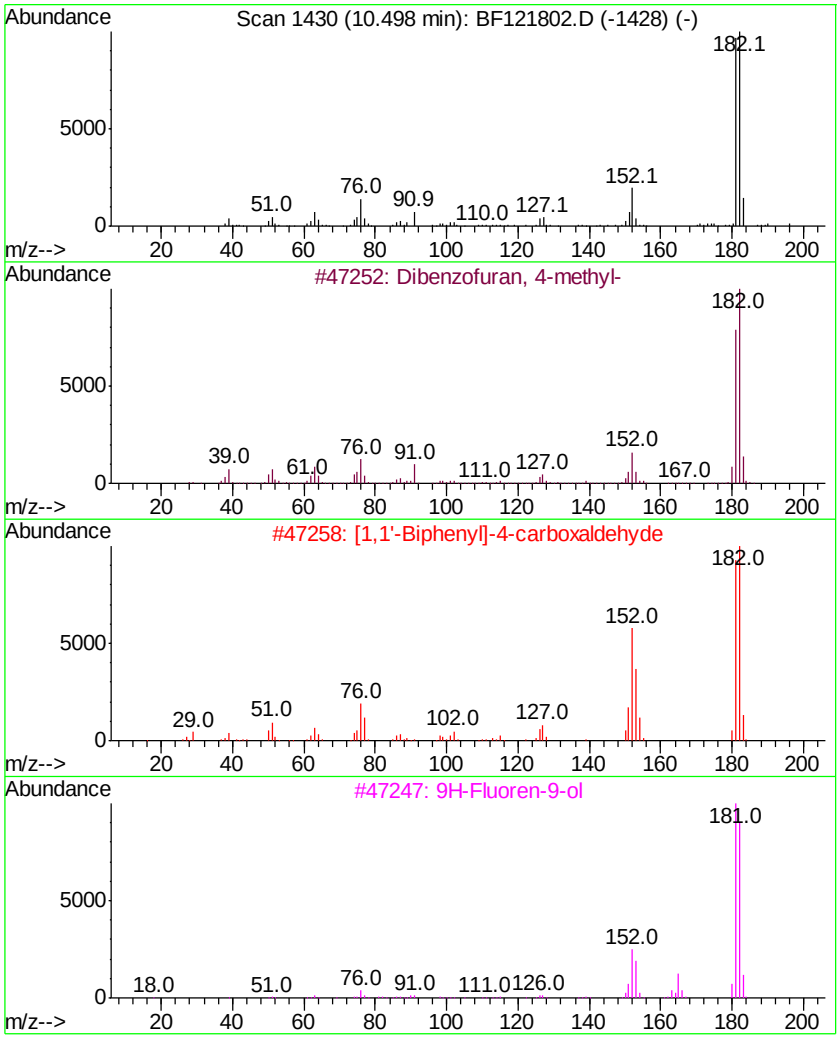
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

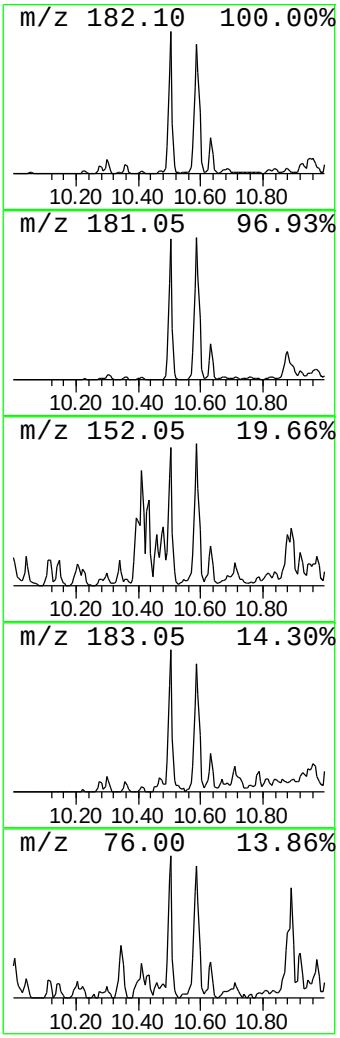
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	6.48 ng	389019	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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

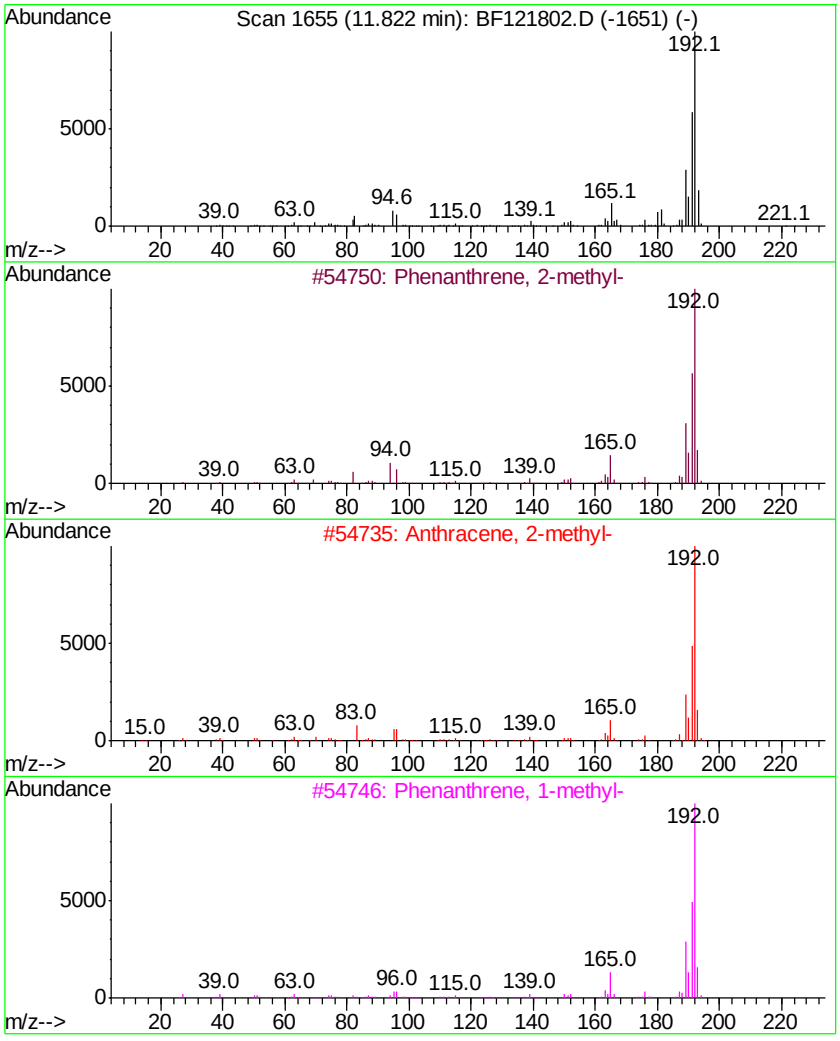
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

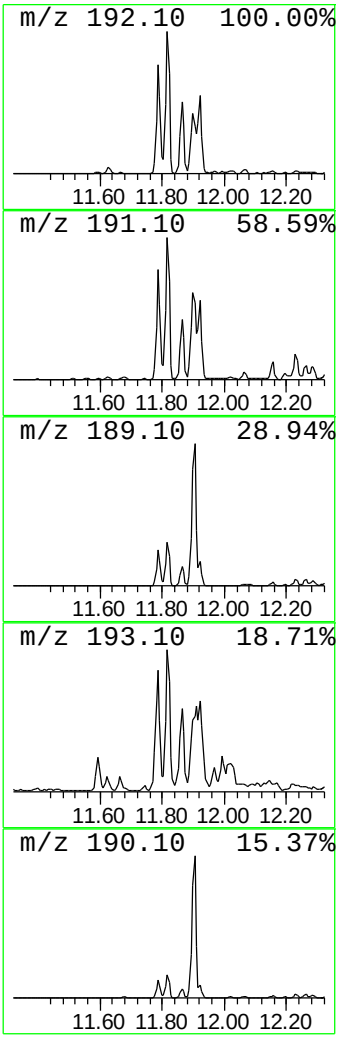
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.13 ng	1434340	Phenanthrene-d10	11.29

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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

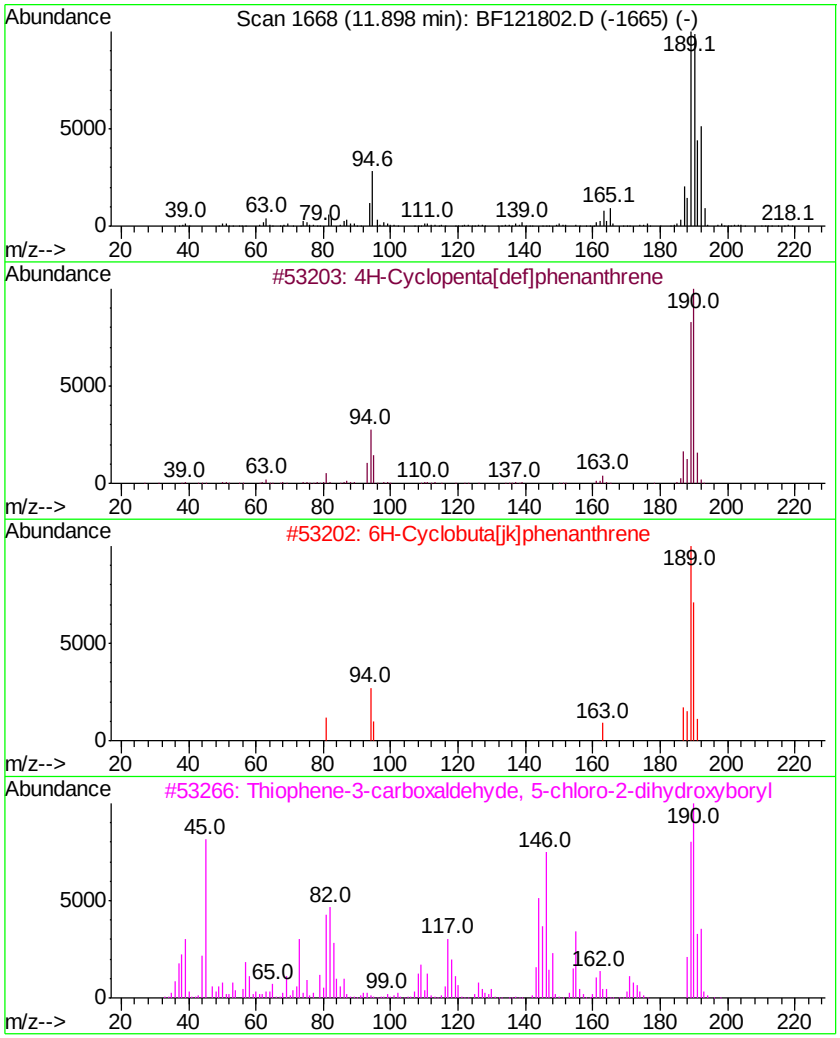
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

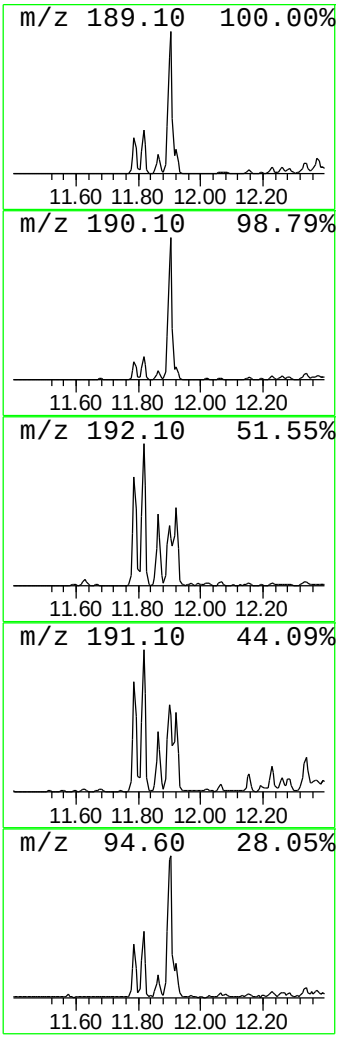
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.71 ng	2155030	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	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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

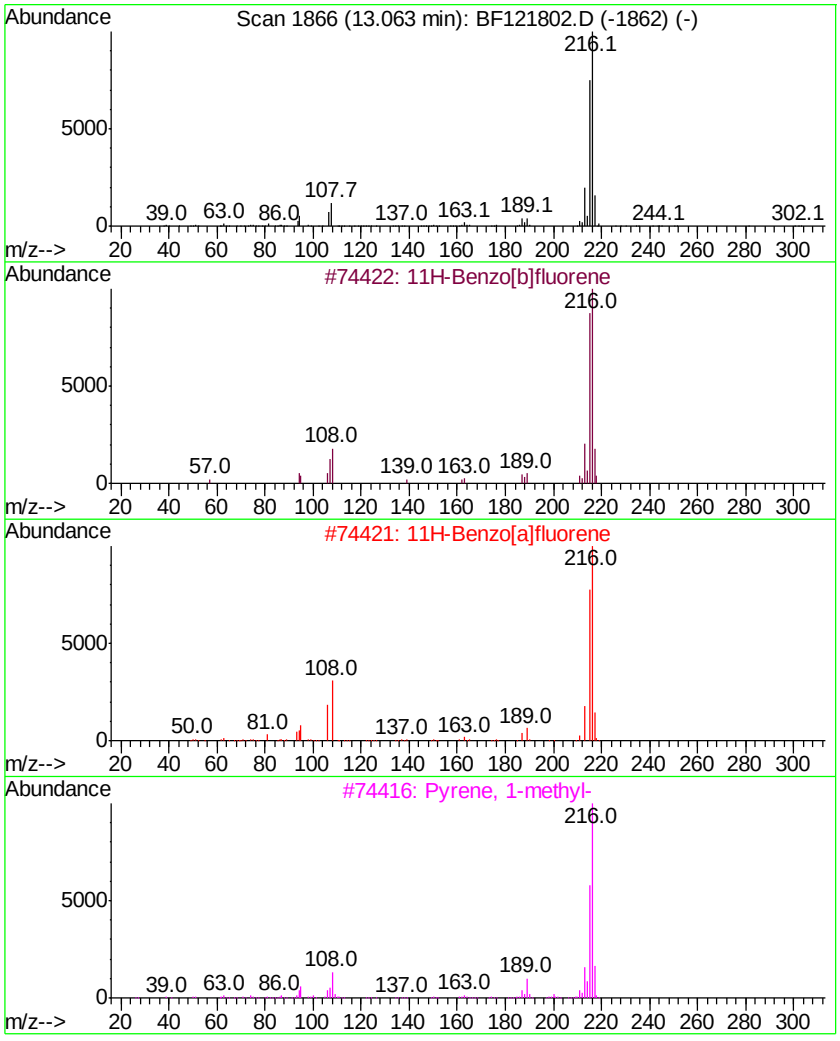
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

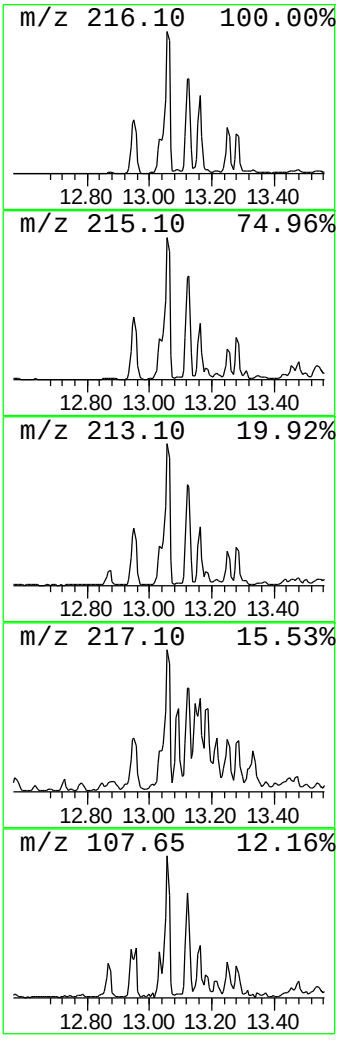
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.94 ng	1661140	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
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ClientSampleId : B-16(7-9)

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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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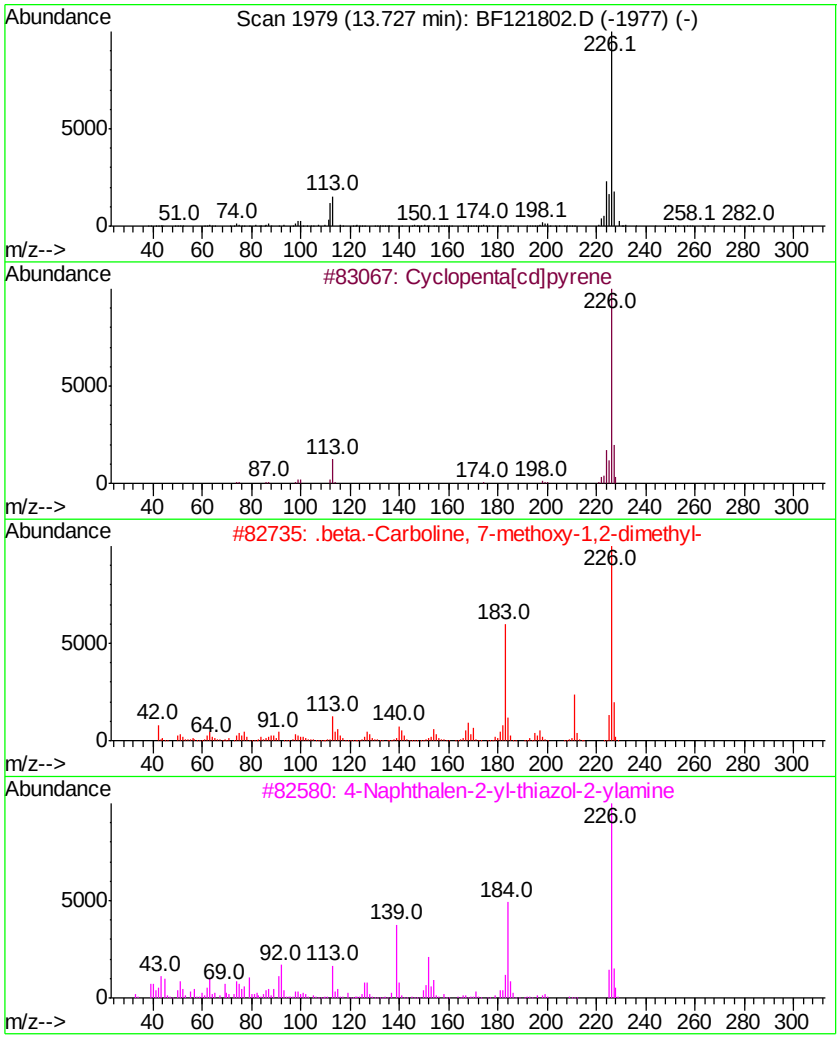
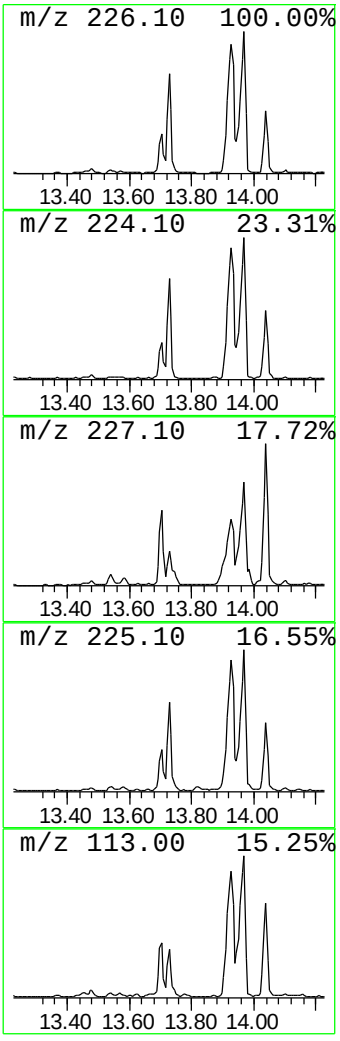
Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.64 ng	1534870	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	53
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49





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ClientSampleId : B-16(7-9)

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

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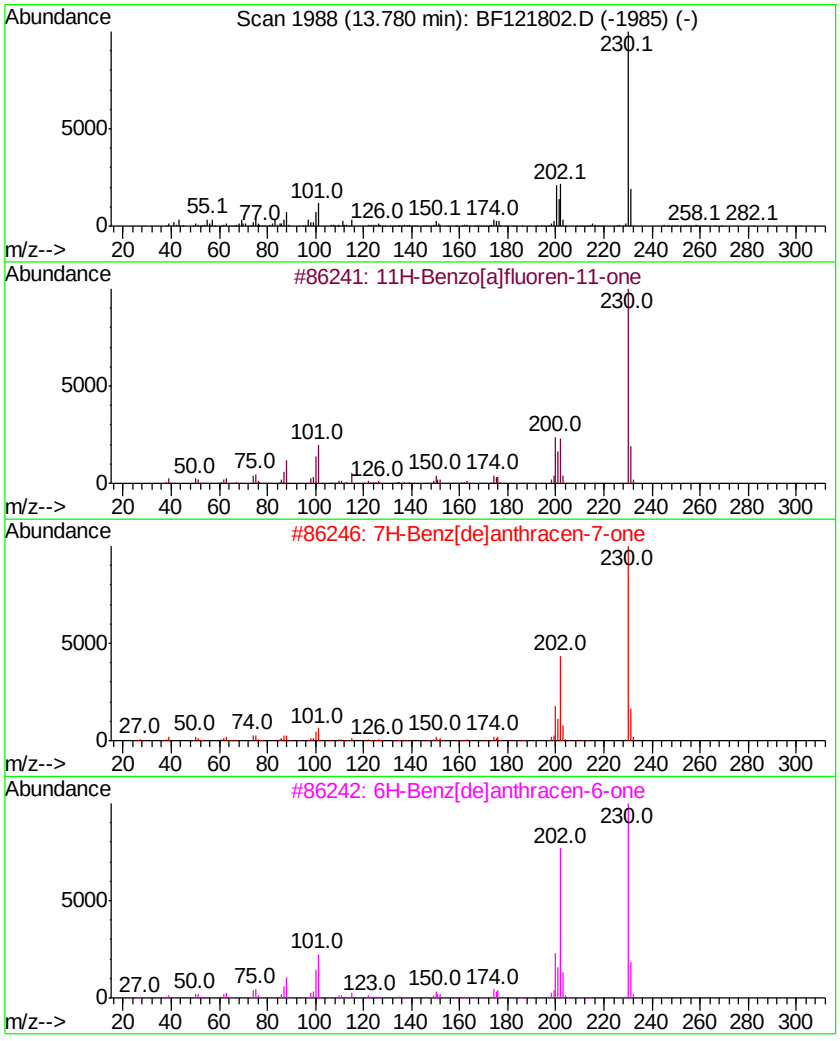
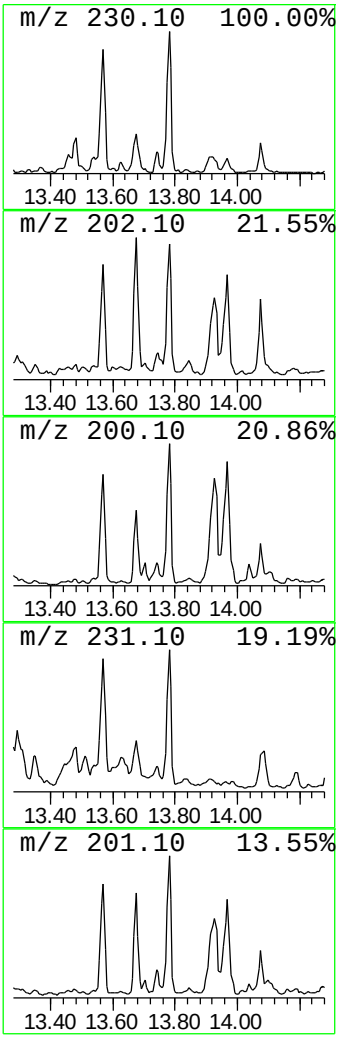
Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	3.42 ng	1441880	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53





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ClientSampleId : B-16(7-9)

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TIC Library : C:\DATABASE\NIST11.L
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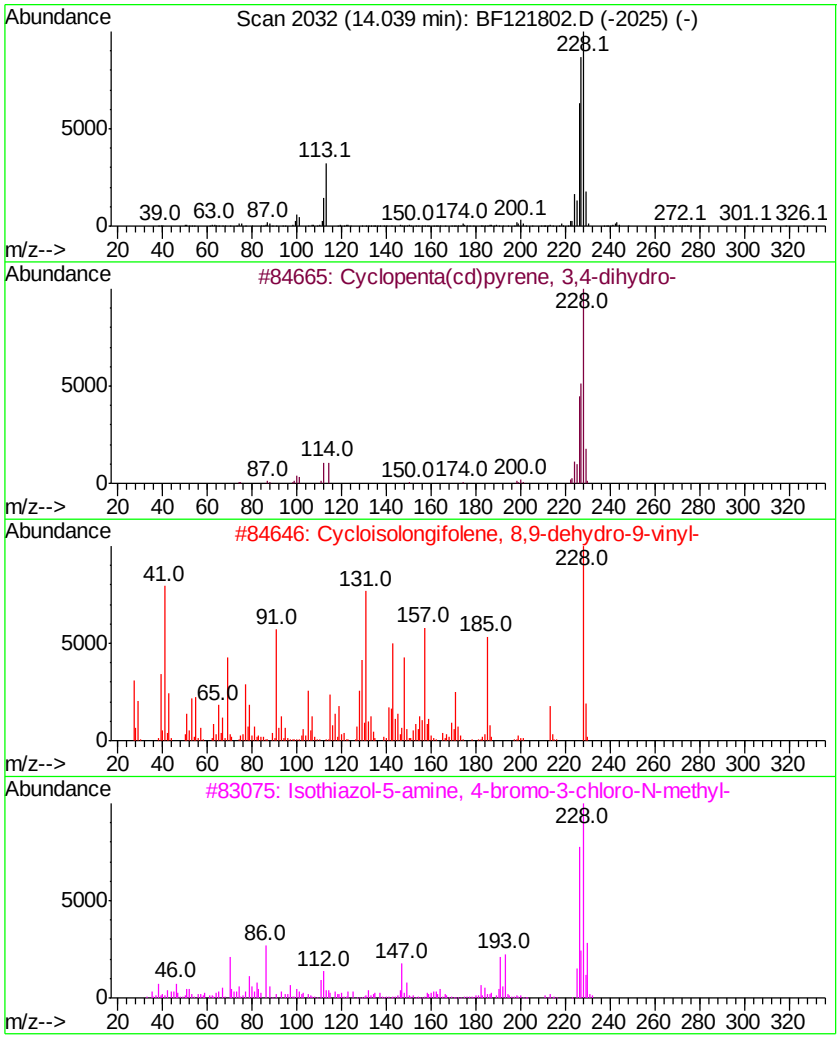
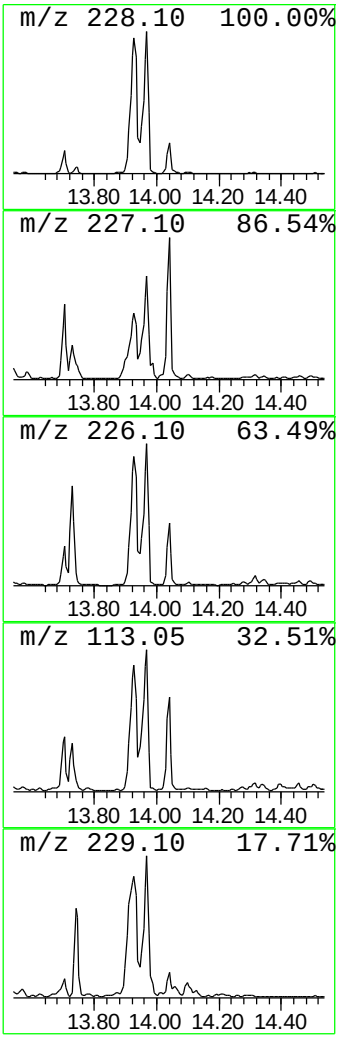
Peak Number 8 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.94 ng	1661700	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	60
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40





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ClientSampleId : B-16(7-9)

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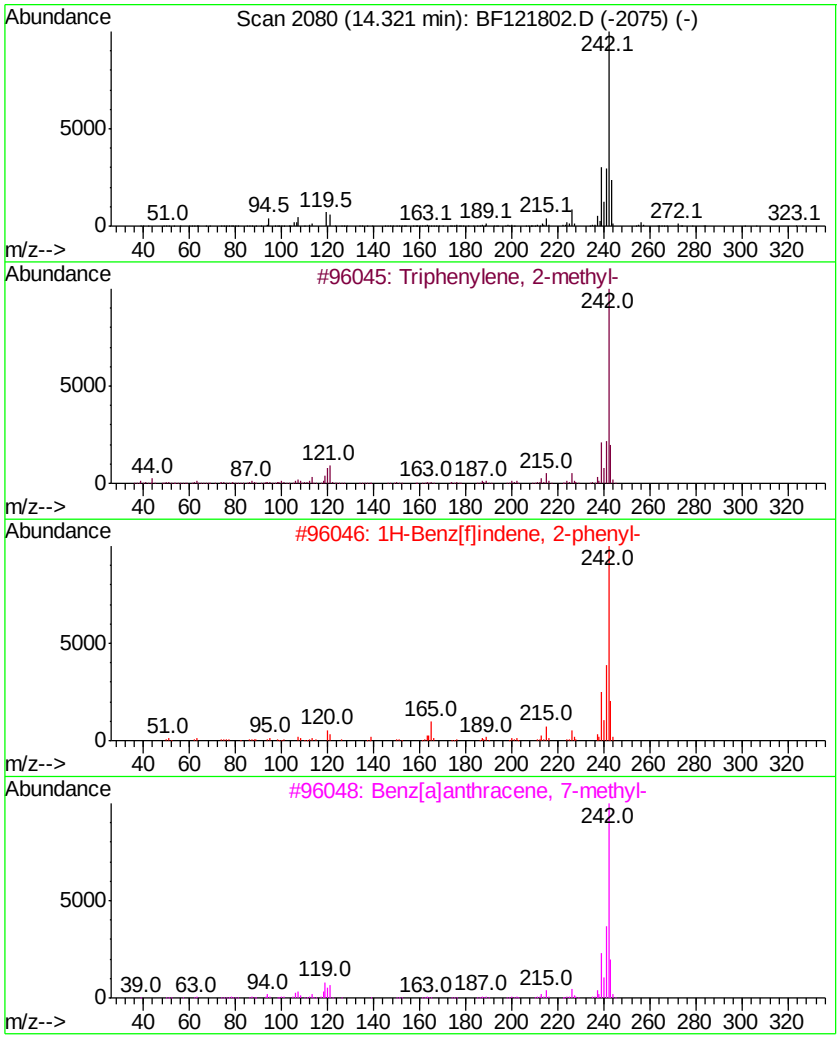
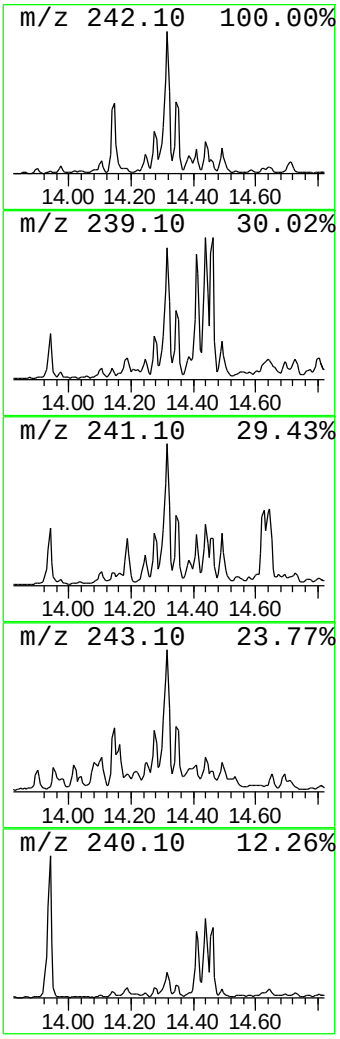
Peak Number 9 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	3.24 ng	1367770	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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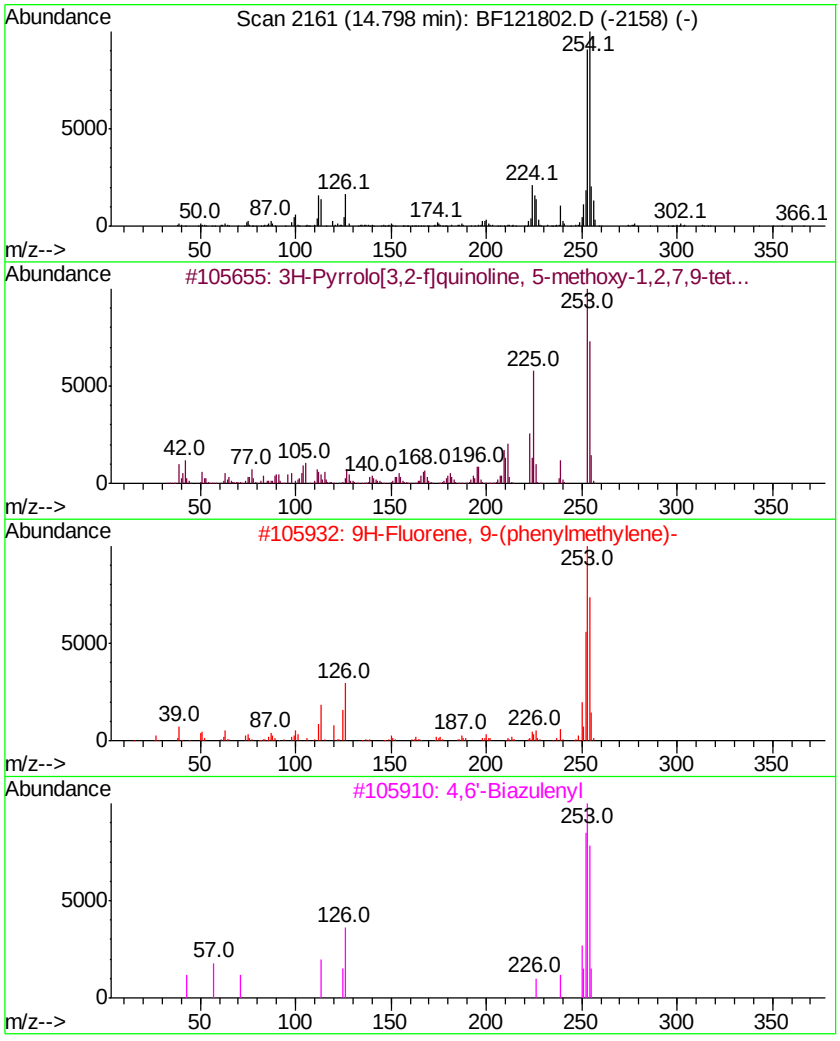
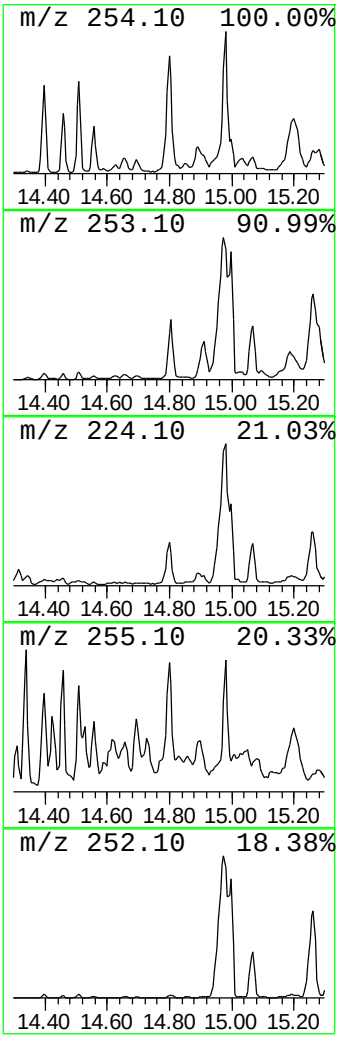
Peak Number 10 3H-Pyrrolo[3,2-f]quinoline,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	16.60 ng	580151	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	68
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	64
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60





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ClientSampleId : B-16(7-9)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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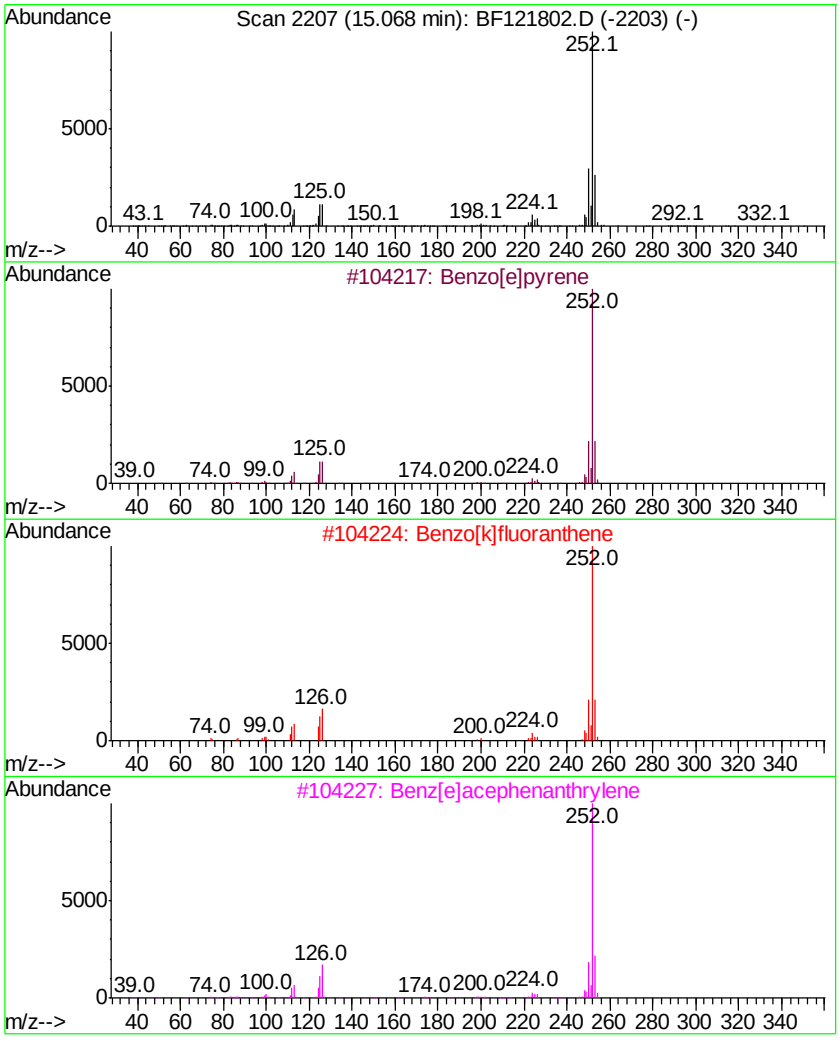
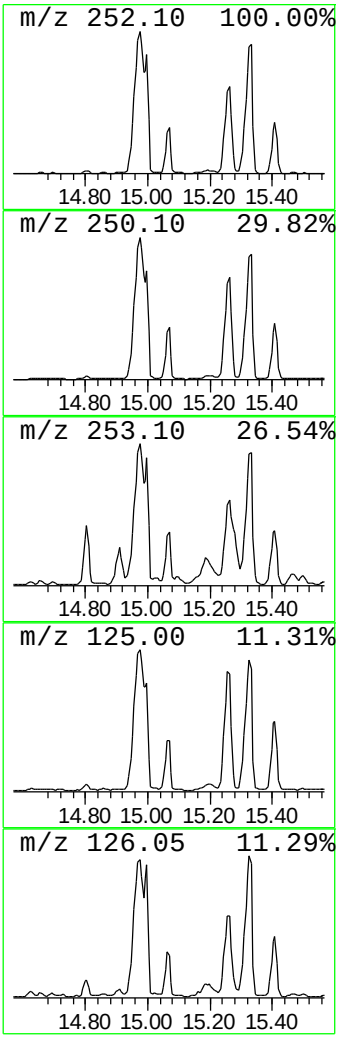
Peak Number 11 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	30.12 ng	1052740	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





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Misc :
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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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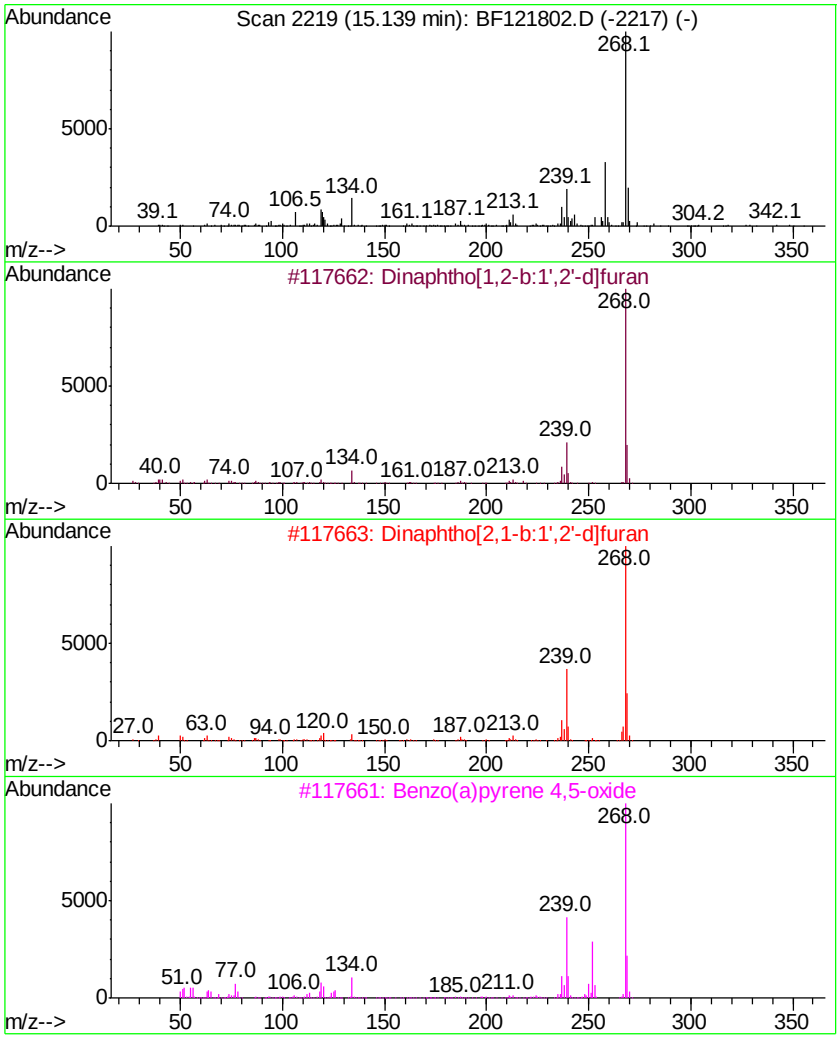
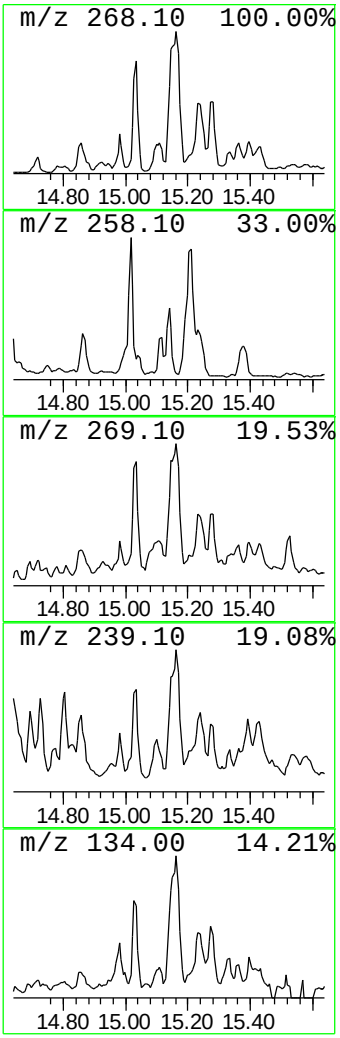
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	10.93 ng	381891	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59





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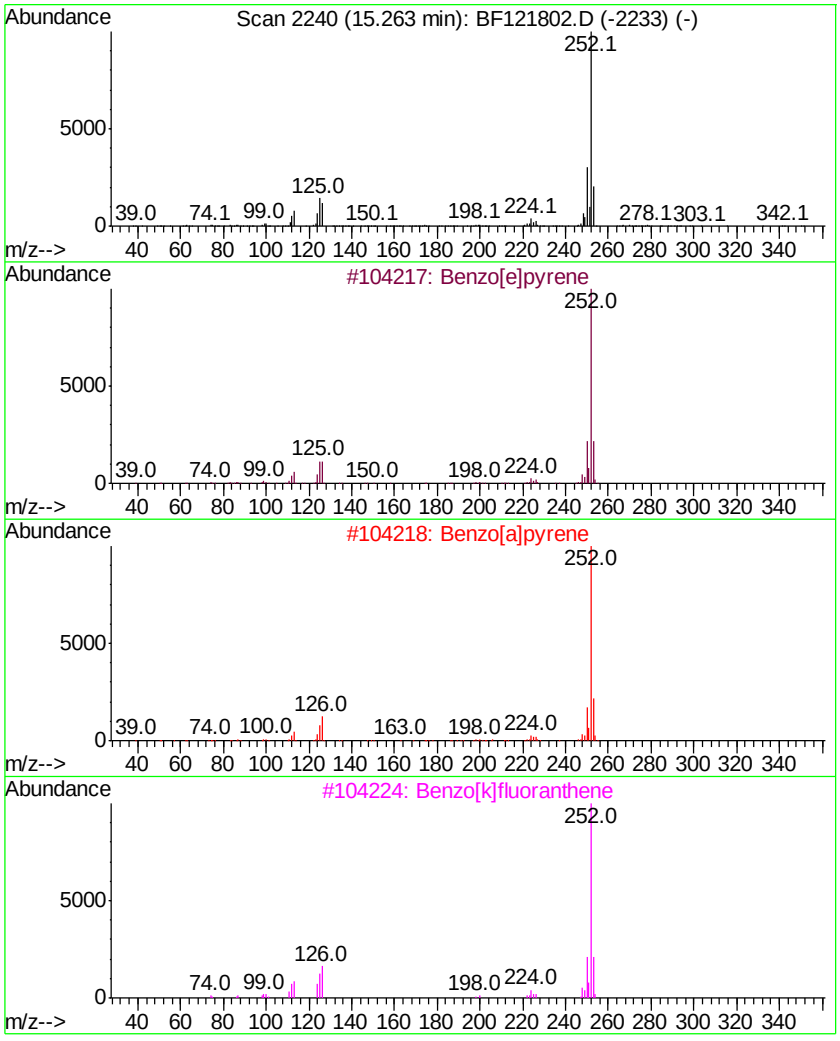
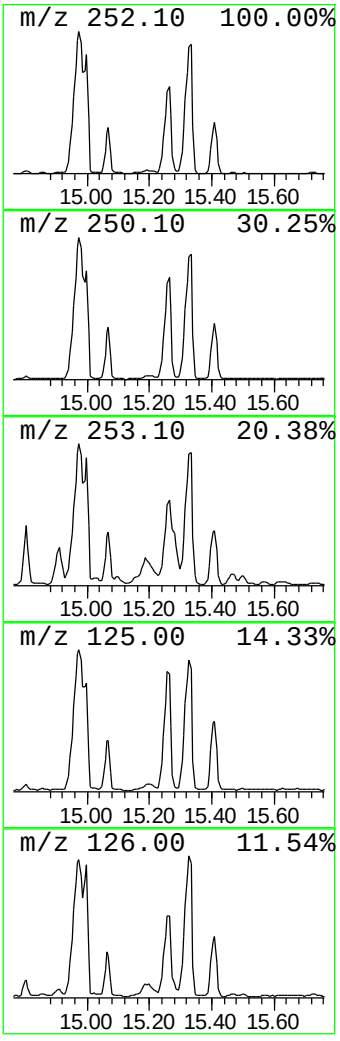
Peak Number 13 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	88.05 ng	3077160	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[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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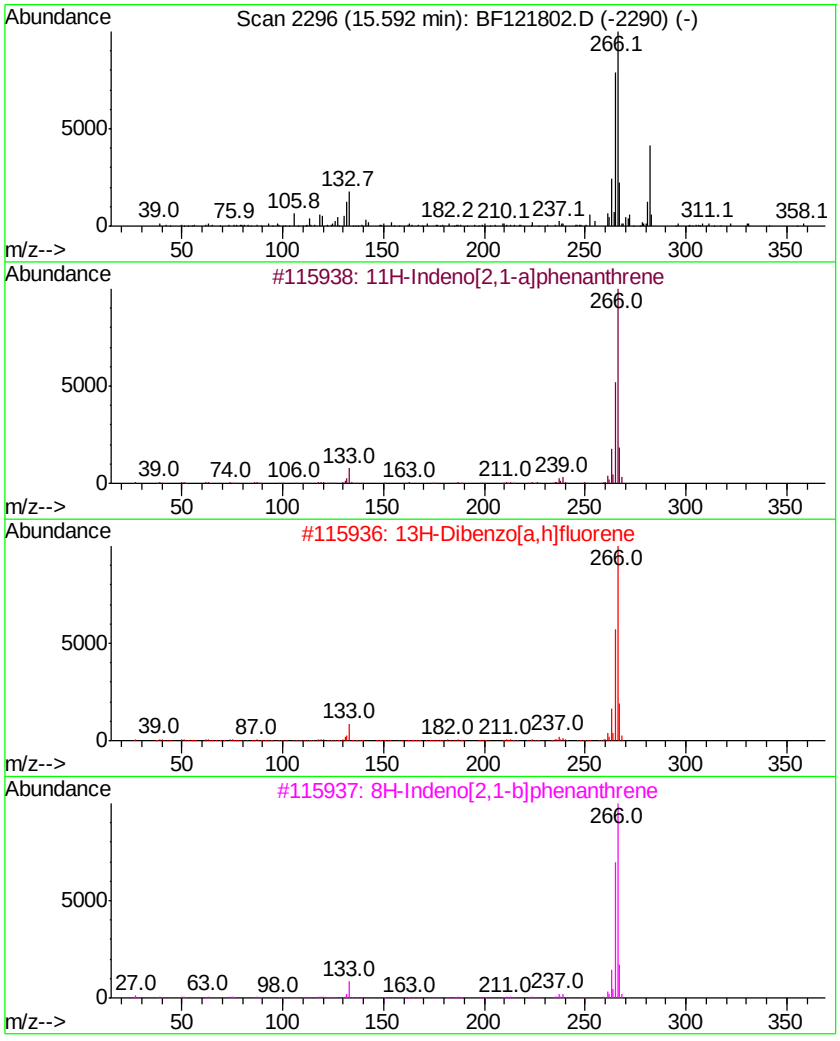
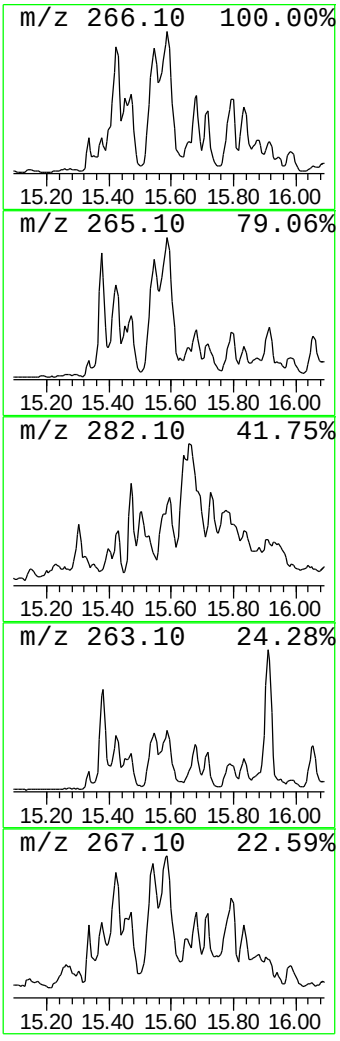
Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	15.10 ng	527769	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	55
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	55
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	53
4	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	50
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	49





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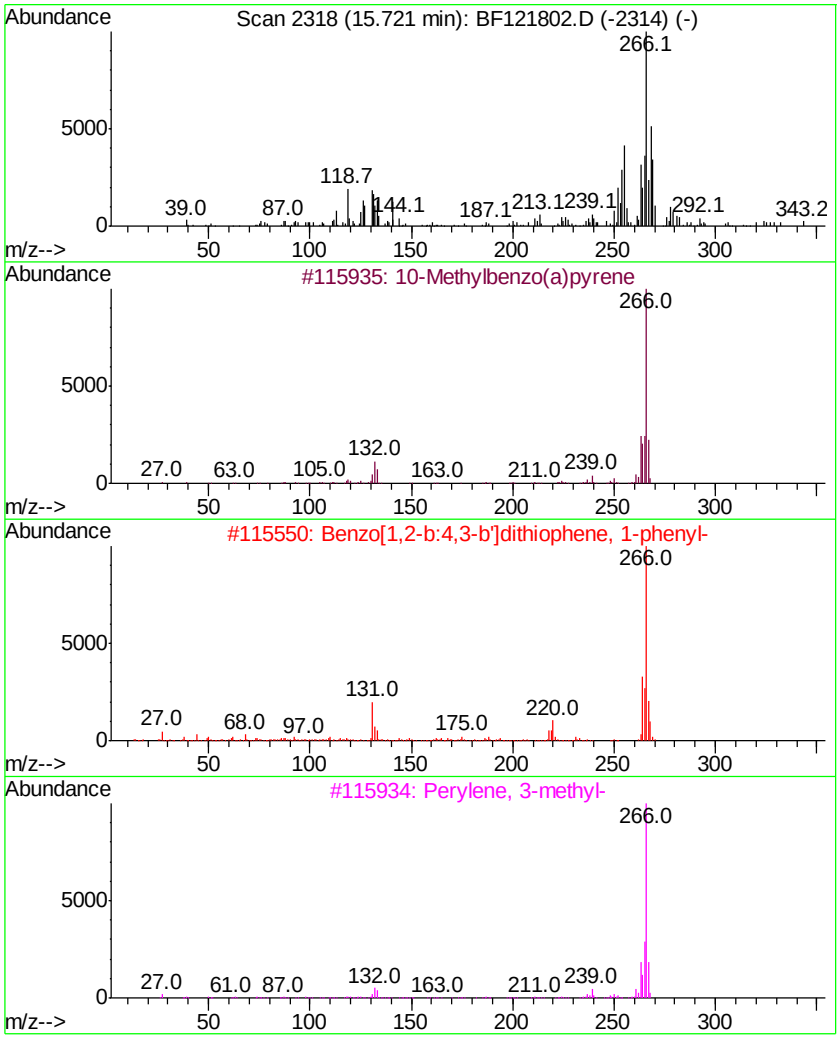
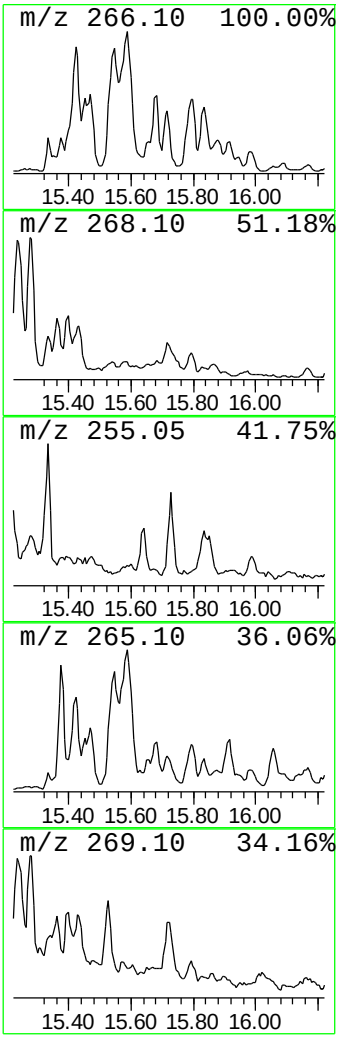
Peak Number 15 10-Methylbenzo(a)pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	8.41 ng	294001	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	55
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	52
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	50
4	Mazindol	284	C16H13ClN2O	022232-71-9	50
5	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	50





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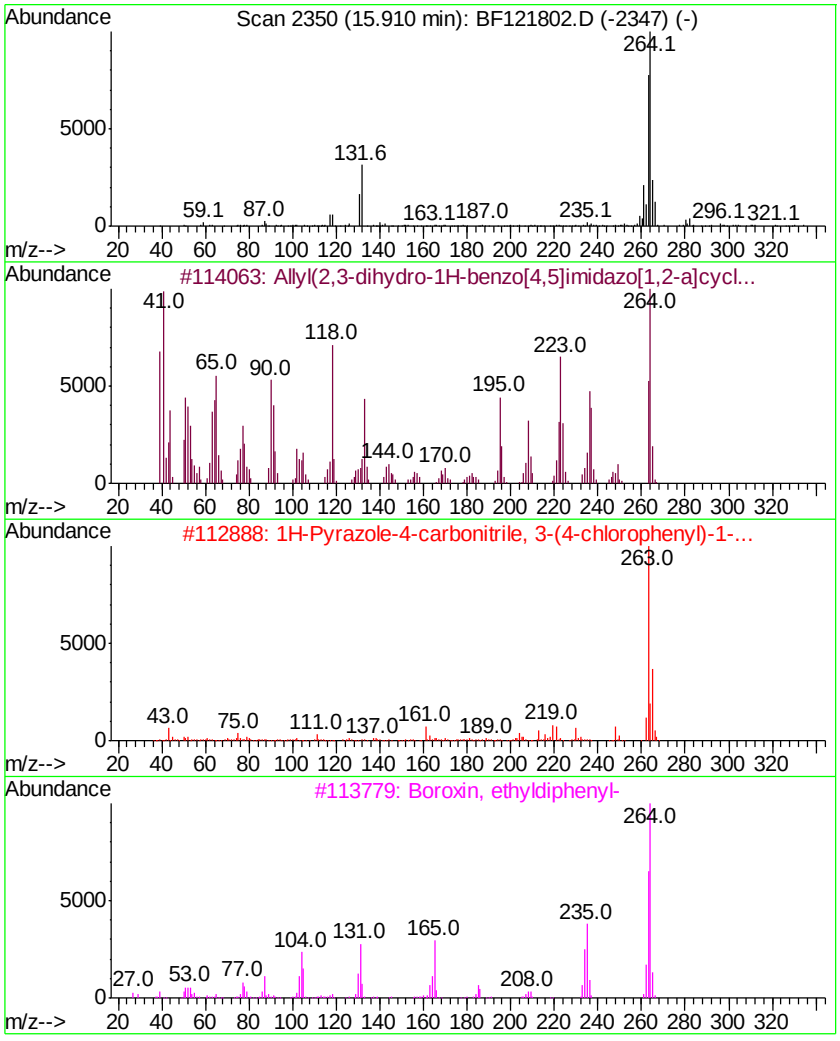
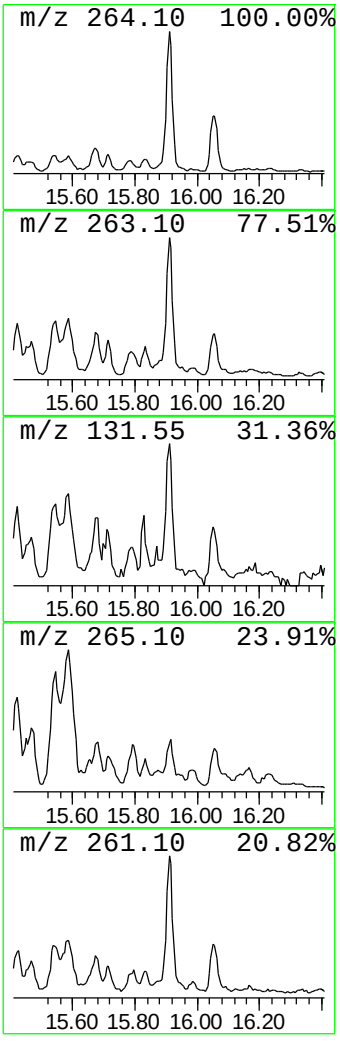
Peak Number 16 unknown15.91 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	8.49 ng	296657	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	42
2	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	28
4	Dibenz[b,f]azepine, 1,9-dichloro...	263	C14H11Cl2N	107517-53-3	25
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25





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Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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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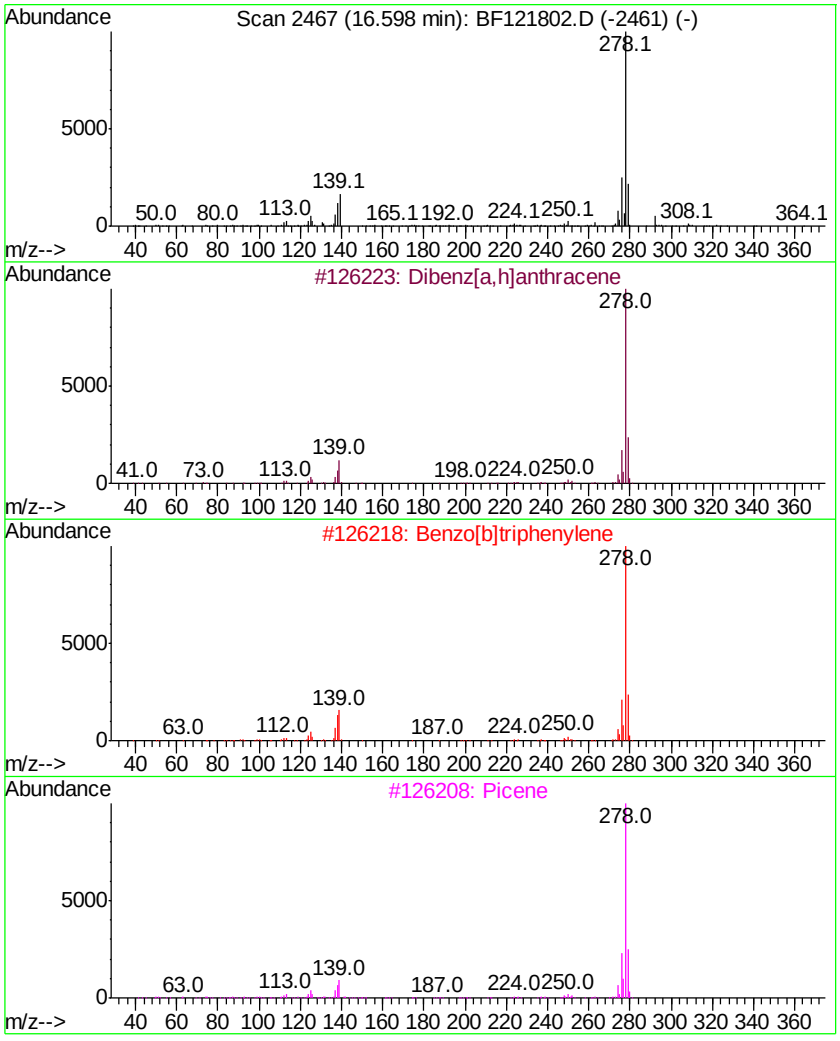
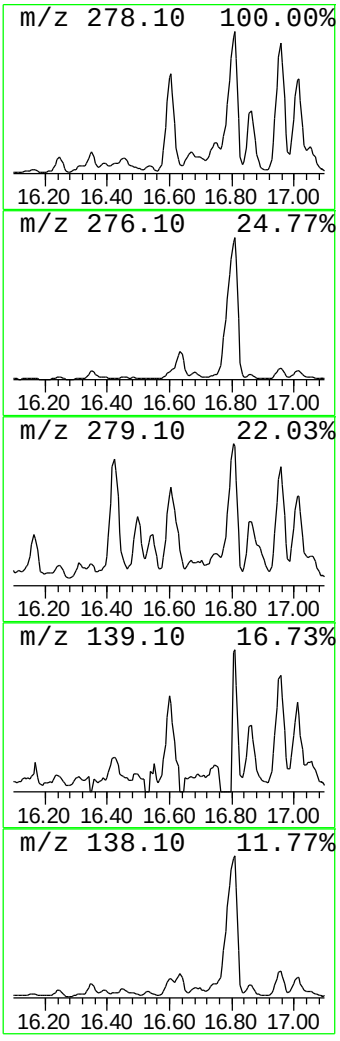
Peak Number 17 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	13.51 ng	472118	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Picene	278	C22H14	000213-46-7	93
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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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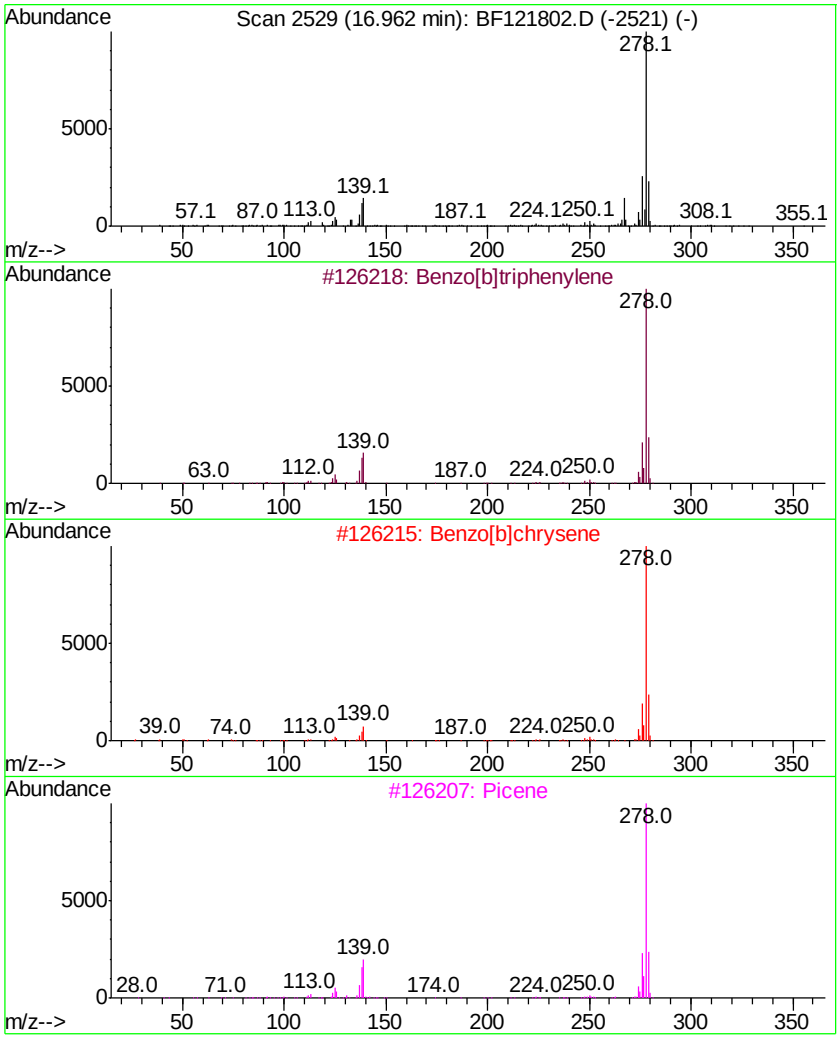
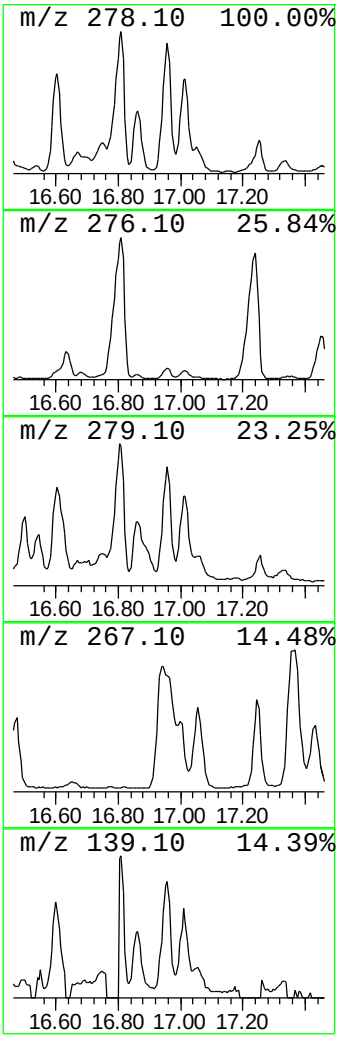
Peak Number 18 Benzo[b]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	21.69 ng	758124	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Benzo[b]chrysene	278	C22H14	000214-17-5	98
3	Picene	278	C22H14	000213-46-7	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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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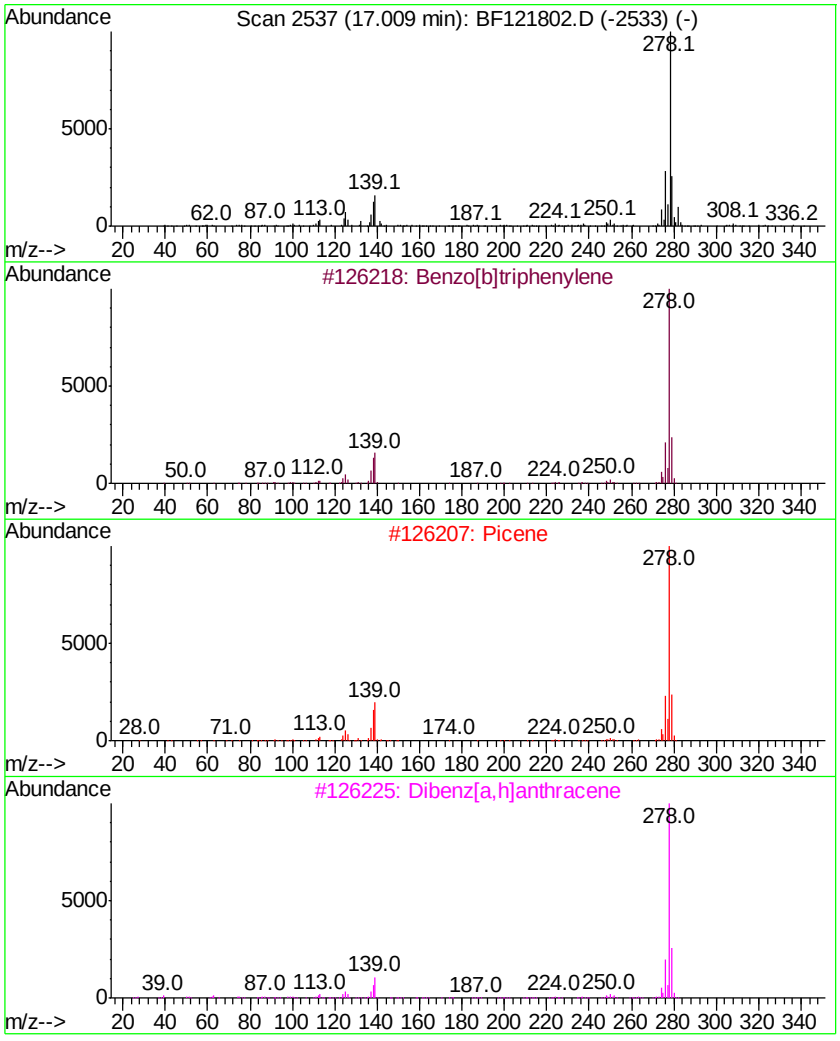
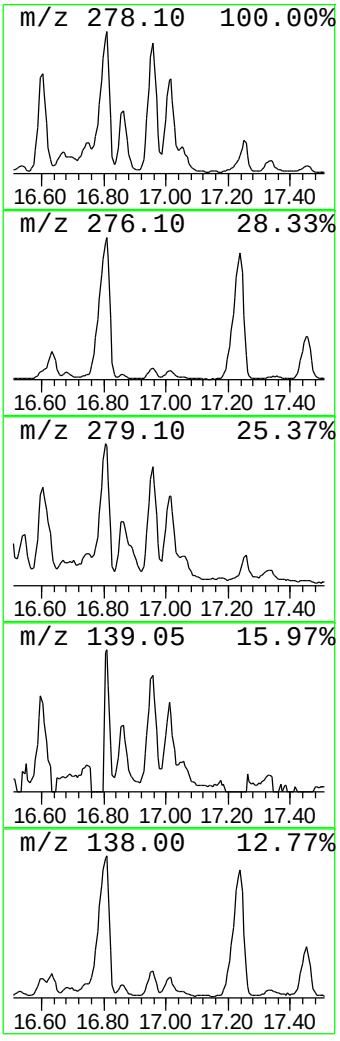
Peak Number 19 Picene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	10.48 ng	366170	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4	Pentaphene	278	C22H14	000222-93-5	97
5	Benzo[b]chrysene	278	C22H14	000214-17-5	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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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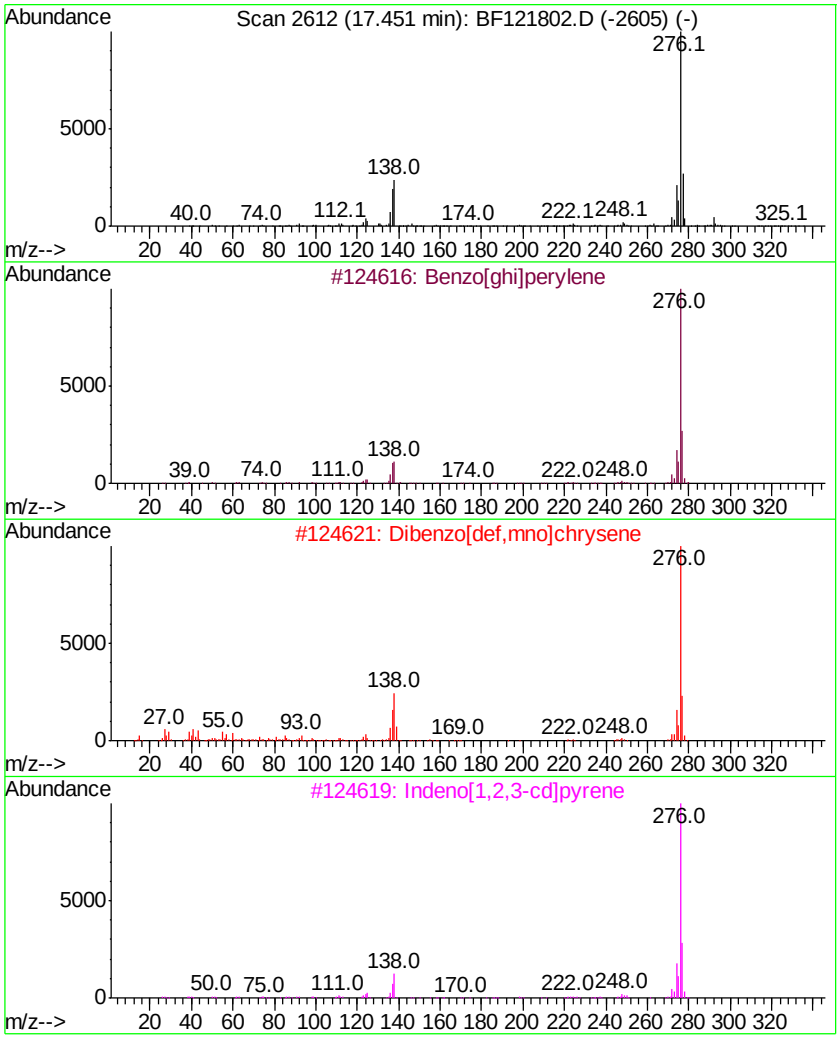
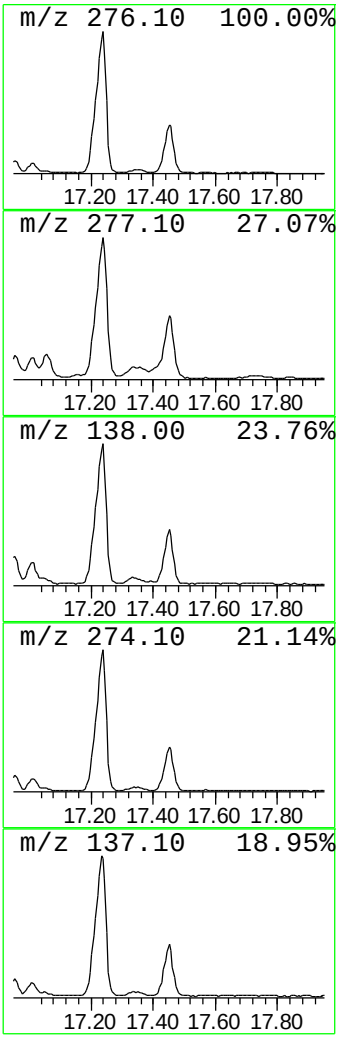
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	29.34 ng	1025300	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-16(7-9)

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
Naphthalene, 2,3-...	9.46	6.3	ng	377096	3	9.80	1200000	20.0
Dibenzofuran, 4-m...	10.50	6.5	ng	389019	3	9.80	1200000	20.0
Phenanthrene, 2-m...	11.82	3.1	ng	1434340	4	11.29	9150920	20.0
4H-Cyclopenta[def...	11.90	4.7	ng	2155030	4	11.29	9150920	20.0
11H-Benzo[b]fluorene	13.06	3.9	ng	1661140	5	13.94	8431480	20.0
Cyclopenta[cd]pyrene	13.73	3.6	ng	1534870	5	13.94	8431480	20.0
11H-Benzo[a]fluor...	13.78	3.4	ng	1441880	5	13.94	8431480	20.0
Cyclopenta(cd)pyr...	14.04	3.9	ng	1661700	5	13.94	8431480	20.0
Triphenylene, 2-m...	14.32	3.2	ng	1367770	5	13.94	8431480	20.0
3H-Pyrrolo[3,2-f]...	14.80	16.6	ng	580151	6	15.37	698970	20.0
Benzo[e]pyrene	15.07	30.1	ng	1052740	6	15.37	698970	20.0
Dinaphtho[1,2-b:1...	15.14	10.9	ng	381891	6	15.37	698970	20.0
Perylene	15.26	88.0	ng	3077160	6	15.37	698970	20.0
11H-Indeno[2,1-a]...	15.59	15.1	ng	527769	6	15.37	698970	20.0
10-Methylbenzo(a)...	15.72	8.4	ng	294001	6	15.37	698970	20.0
unknown15.91	15.91	8.5	ng	296657	6	15.37	698970	20.0
Benzo[b]triphenylene	16.60	13.5	ng	472118	6	15.37	698970	20.0
Benzo[b]chrysene	16.96	21.7	ng	758124	6	15.37	698970	20.0
Picene	17.01	10.5	ng	366170	6	15.37	698970	20.0
Dibenzo[def,mno]c...	17.45	29.3	ng	1025300	6	15.37	698970	20.0