LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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	5.381	556	560	574	rBV	2028234	1932881	14.35%	1.001%
2	6.404	730	734	747	rBV	2126256	1975880	14.67%	1.023%
3	6.763	791	795	801	rVB	781624	635220	4.72%	0.329%
4	7.328	887	891	894	rBV	1485456	1275128	9.47%	0.660%
5	8.045	1007	1013	1015	rBV	930603	950115	7.06%	0.492%
6	9.122	1192	1196	1199	rBV	2711563	2200780	16.34%	1.139%
7	9.204	1205	1210	1212	rBV	399037	389072	2.89%	0.201%
8	9.516	1260	1263	1266	rVV2	379344	422519	3.14%	0.219%
9	9.663	1284	1288	1292	rBV	947047	839219	6.23%	0.434%
10	9.798	1304	1311	1314	rBV	988874	973205	7.23%	0.504%
11	9.833	1314	1317	1320	rVV	1163061	993461	7.38%	0.514%
12	10.004	1342	1346	1350	rVB	657142	606268	4.50%	0.314%
13	10.345	1400	1404	1409	rVB	1168103	1114596	8.28%	0.577%
14	10.504	1428	1431	1434	rVB	453526	393165	2.92%	0.204%
15	10.586	1439	1445	1449	rVV	1634652	1730754	12.85%	0.896%
16	10.704	1461	1465	1472	rVB4	431260	741464	5.51%	0.384%
17	10.892	1491	1497	1500	rBV3	409335	542843	4.03%	0.281%
18	11.022	1514	1519	1521	rVV2	337334	425596	3.16%	0.220%
19	11.045	1521	1523	1528	rVV	375735	435134	3.23%	0.225%
20	11.092	1528	1531	1535	rVV	672972	619556	4.60%	0.321%
21	11.180	1543	1546	1552	rVB	796626	769110	5.71%	0.398%
22	11.322	1559	1570	1573	rBV	5515973	8576412	63.69%	4.440%
23	11.369	1573	1578	1580	rVV	3333937	2876144	21.36%	1.489%
24	11.516	1597	1603	1606	rBV2	1013098	1191515	8.85%	0.617%
25	11.580	1611	1614	1618	rVV2	570712	550440	4.09%	0.285%
26	11.786	1645	1649	1652	rVV	1321052	1278511	9.49%	0.662%
27	11.816	1652	1654	1658	rVB	1893781	1694787	12.59%	0.877%
28	11.869	1658	1663	1665	rBV	920318	960267	7.13%	0.497%
29	11.904	1665	1669	1671	rVV	2566421	2745098	20.39%	1.421%
30	11.922	1671	1672	1677	rVB	1075247	741083	5.50%	0.384%
31	12.080	1696	1699	1702	rVV	1294733	1172155	8.71%	0.607%
32	12.116	1702	1705	1709	rVV	709270	729102	5.41%	0.377%
33	12.339	1738	1743	1746	rBV	774364	968695	7.19%	0.502%
34	12.380	1746	1750	1756	rVV4	693542	1011056	7.51%	0.523%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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	12.445	1756	1761	1766	rVB2	891095	1233456	9.16%	0.639%
36	12.533	1766	1776	1778	rBV	6763760	13465161	100.00%	6.971%
37	12.598	1785	1787	1792	rVB2	370533	389900	2.90%	0.202%
38	12.657	1792	1797	1800	rBV	907327	999312	7.42%	0.517%
39	12.745	1806	1812	1813	rBV2	6060725	9089112	67.50%	4.706%
40	12.757	1813	1814	1817	rVV	6317654	4570591	33.94%	2.366%
41	12.786	1817	1819	1822	rVB2	792430	651995	4.84%	0.338%
42	12.851	1826	1830	1832	rBV	1247062	1414210	10.50%	0.732%
43	12.874	1832	1834	1836	rVV	2028877	1643193	12.20%	0.851%
44	12.892	1836	1837	1841	rVB	1058108	866654	6.44%	0.449%
45	12.957	1841	1848	1851	rBV2	1201222	2183618	16.22%	1.131%
46	13.039	1858	1862	1863	rBV3	945386	1095303	8.13%	0.567%
47	13.068	1863	1867	1869	rVB	2438434	2642812	19.63%	1.368%
48	13.098	1869	1872	1874	rBV3	445139	483793	3.59%	0.250%
49	13.133	1874	1878	1880	rBV	1718125	1695860	12.59%	0.878%
50	13.168	1880	1884	1886	rVV2	1612123	1952891	14.50%	1.011%
51	13.186	1886	1887	1891	rVB	619952	499458	3.71%	0.259%
52	13.257	1896	1899	1902	rBV	741226	727758	5.40%	0.377%
53	13.292	1902	1905	1908	rBV3	843698	834644	6.20%	0.432%
54	13.439	1926	1930	1932	rBV3	361763	477153	3.54%	0.247%
55	13.480	1935	1937	1940	rVV2	583943	617218	4.58%	0.320%
56	13.545	1944	1948	1950	rVV2	359157	451875	3.36%	0.234%
57	13.574	1950	1953	1957	rVV	1525231	1687856	12.53%	0.874%
58	13.680	1967	1971	1973	rVV	1742387	1903447	14.14%	0.985%
59	13.710	1973	1976	1978	rVV	1687369	1784623	13.25%	0.924%
60	13.739	1978	1981	1986	rVV3	1423492	2529475	18.79%	1.310%
61	13.792	1986	1990	1995	rVV	1465835	2005236	14.89%	1.038%
62	13.851	1995	2000	2004	rVV	445906	670223	4.98%	0.347%
63	13.945	2007	2016	2019	rVV3	5246481	12676007	94.14%	6.563%
64	13.980	2019	2022	2027	rVV	5410391	7362885	54.68%	3.812%
65	14.027	2027	2030	2031	rVV2	377161	397055	2.95%	0.206%
66	14.051	2031	2034	2037	rVV	2099142	2098057	15.58%	1.086%
67	14.086	2037	2040	2043	rVV2	863504	1221531	9.07%	0.632%
68	14.127	2045	2047	2049	rVV	1117512	1042316	7.74%	0.540%
69	14.163	2049	2053	2056	rVV2	1153538	1812287	13.46%	0.938%
70	14.198	2056	2059	2061	rVV3	474101	584800	4.34%	0.303%
71	14.251	2065	2068	2071	rVV2	451273	520411	3.86%	0.269%

LSC Area Percent Report

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Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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	14.286	2071	2074	2076	rVV2	841717	1080823	8.03%	0.560%
73	14.321	2076	2080	2083	rVV	2019931	2542072	18.88%	1.316%
74	14.357	2083	2086	2089	rVV2	1087993	1261843	9.37%	0.653%
75	14.398	2089	2093	2095	rVV3	641965	1069368	7.94%	0.554%
76	14.421	2095	2097	2099	rVV	936393	955082	7.09%	0.494%
77	14.445	2099	2101	2103	rVV	1171794	1302889	9.68%	0.675%
78	14.468	2103	2105	2108	rVV3	1256533	1279543	9.50%	0.662%
79	14.510	2108	2112	2118	rVV3	736282	1310334	9.73%	0.678%
80	14.639	2130	2134	2142	rBV6	639098	1368089	10.16%	0.708%
81	14.815	2160	2164	2169	rBV	769767	1022119	7.59%	0.529%
82	15.004	2185	2196	2198	rBV2	4652377	12683573	94.20%	6.567%
83	15.045	2201	2203	2206	rVV2	416123	393449	2.92%	0.204%
84	15.086	2206	2210	2213	rVB	1822225	1825811	13.56%	0.945%
85	15.157	2219	2222	2223	rBV2	459620	468450	3.48%	0.243%
86	15.286	2236	2244	2248	rBV	2787233	5338517	39.65%	2.764%
87	15.357	2248	2256	2259	rVB	4188732	7773020	57.73%	4.024%
88	15.398	2259	2263	2264	rBV	466922	481272	3.57%	0.249%
89	15.433	2264	2269	2274	rVB2	2133599	3087071	22.93%	1.598%
90	15.562	2286	2291	2293	rBV2	389197	606662	4.51%	0.314%
91	15.733	2317	2320	2327	rVB2	326634	517665	3.84%	0.268%
92	15.809	2328	2333	2337	rBV3	247230	474723	3.53%	0.246%
93	15.933	2350	2354	2358	rVB	438668	563406	4.18%	0.292%
94	16.621	2466	2471	2475	rBV3	341146	663035	4.92%	0.343%
95	16.851	2497	2510	2513	rBV2	1962098	5347397	39.71%	2.768%
96	16.886	2513	2516	2524	rVB	352971	557321	4.14%	0.289%
97	16.986	2526	2533	2538	rBV2	675828	1523909	11.32%	0.789%
98	17.045	2538	2543	2548	rBV2	409302	713904	5.30%	0.370%
99	17.286	2572	2584	2592	rVB2	1440391	4372121	32.47%	2.264%
100	17.492	2611	2619	2631	rVB2	655074	1827829	13.57%	0.946%

Sum of corrected areas: 193154704

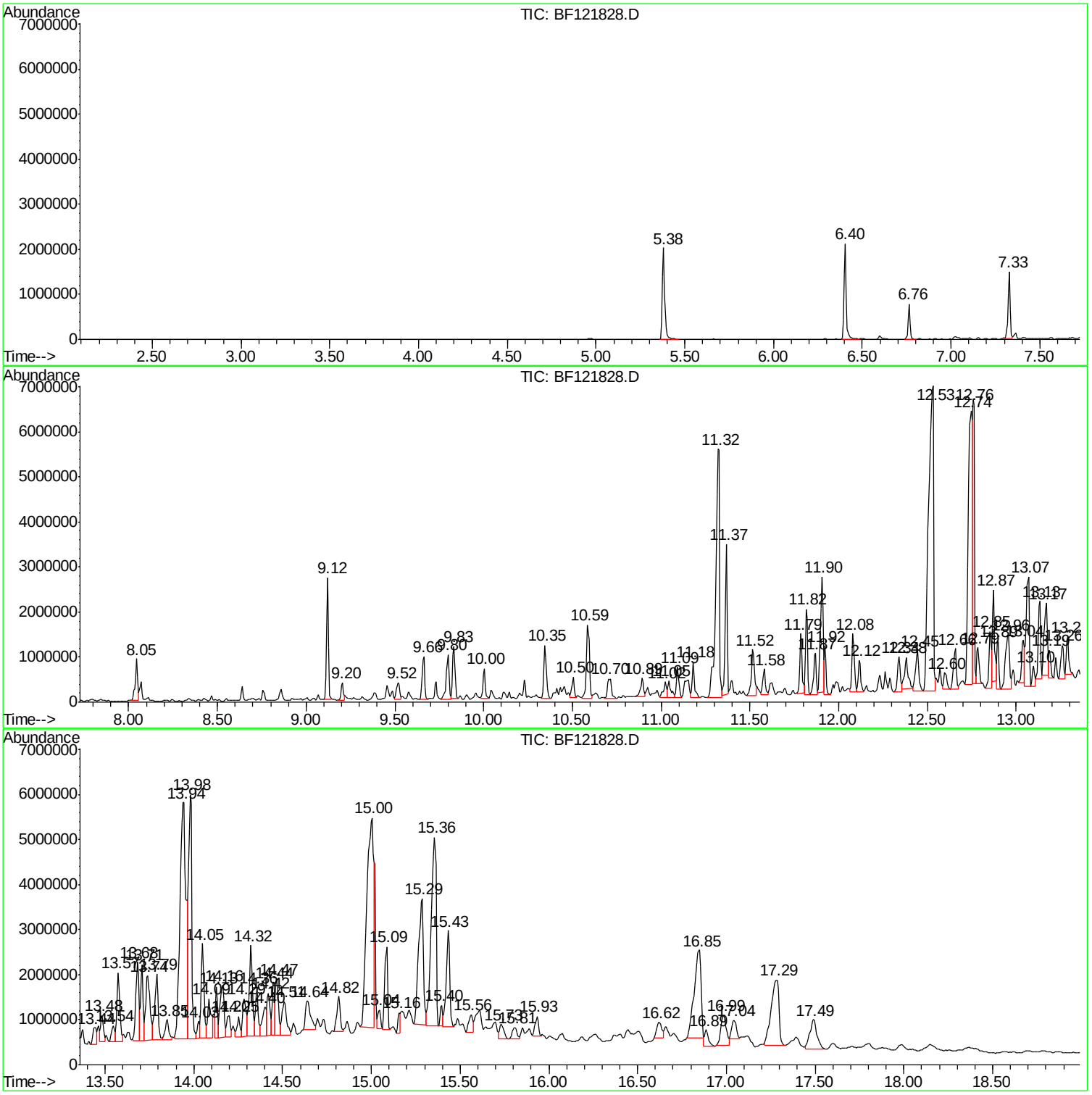
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-18(5-7)

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\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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

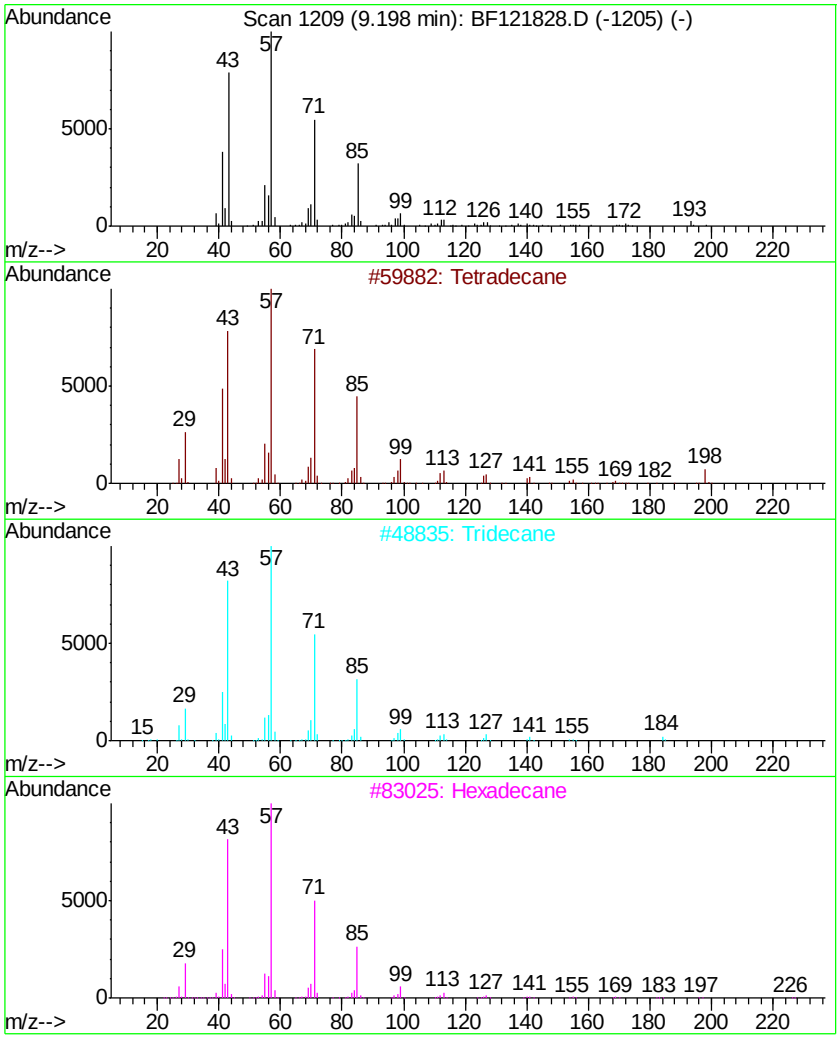
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

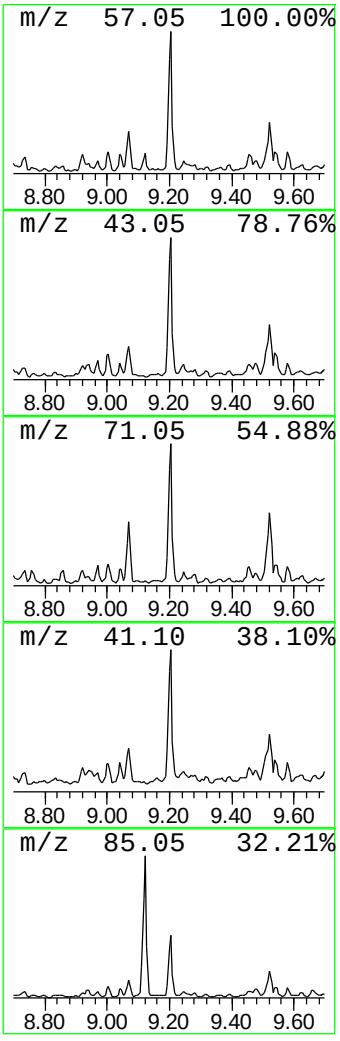
****

Peak Number 1 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	8.00 ng	389072	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Tridecane	184	C13H28	000629-50-5	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Undecane	156	C11H24	001120-21-4	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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

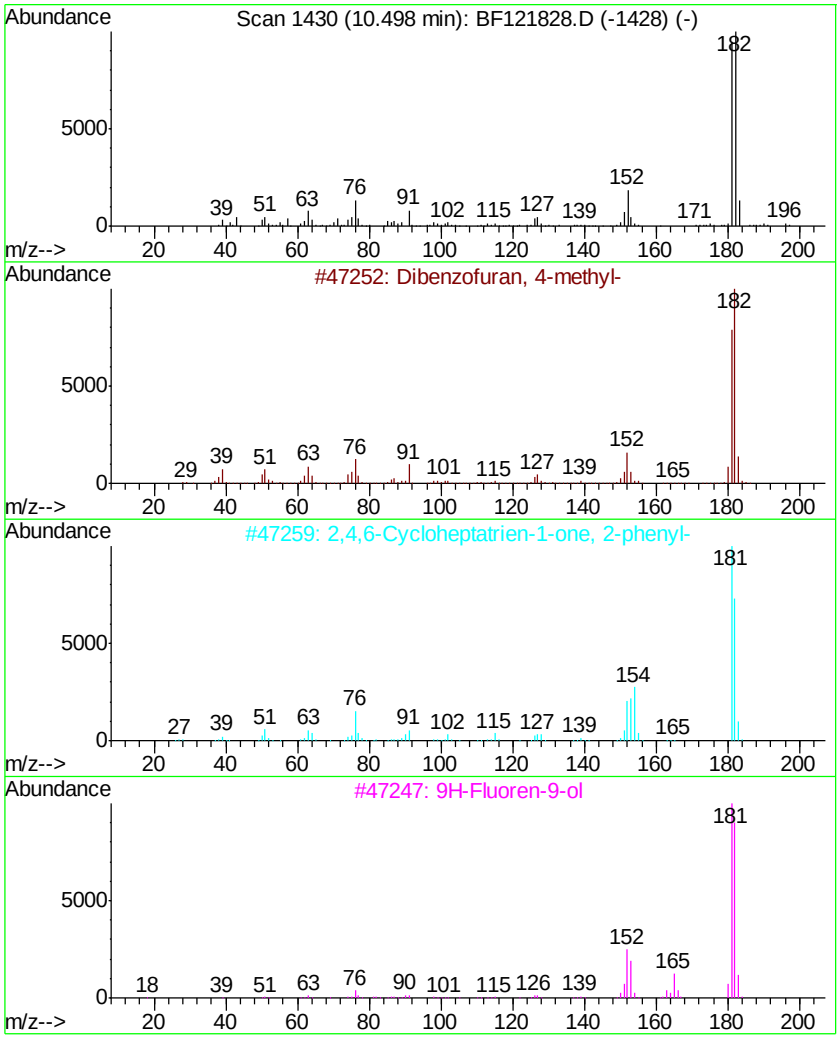
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

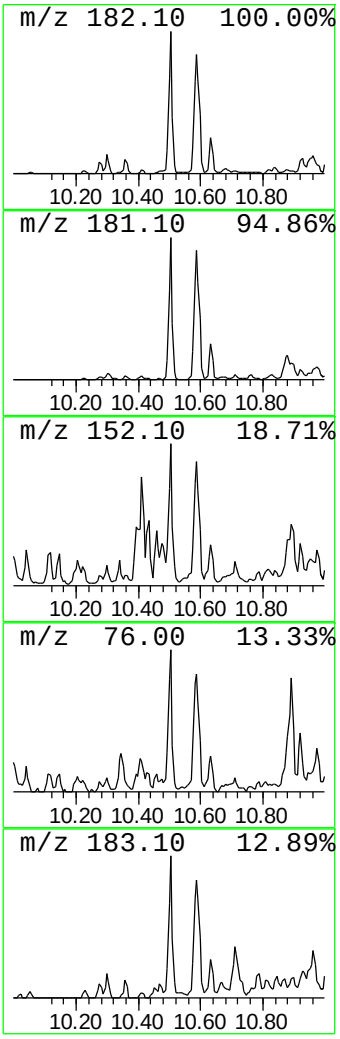
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	8.08 ng	393165	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72
5	9H-Xanthene	182	C13H10O	000092-83-1	60





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Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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

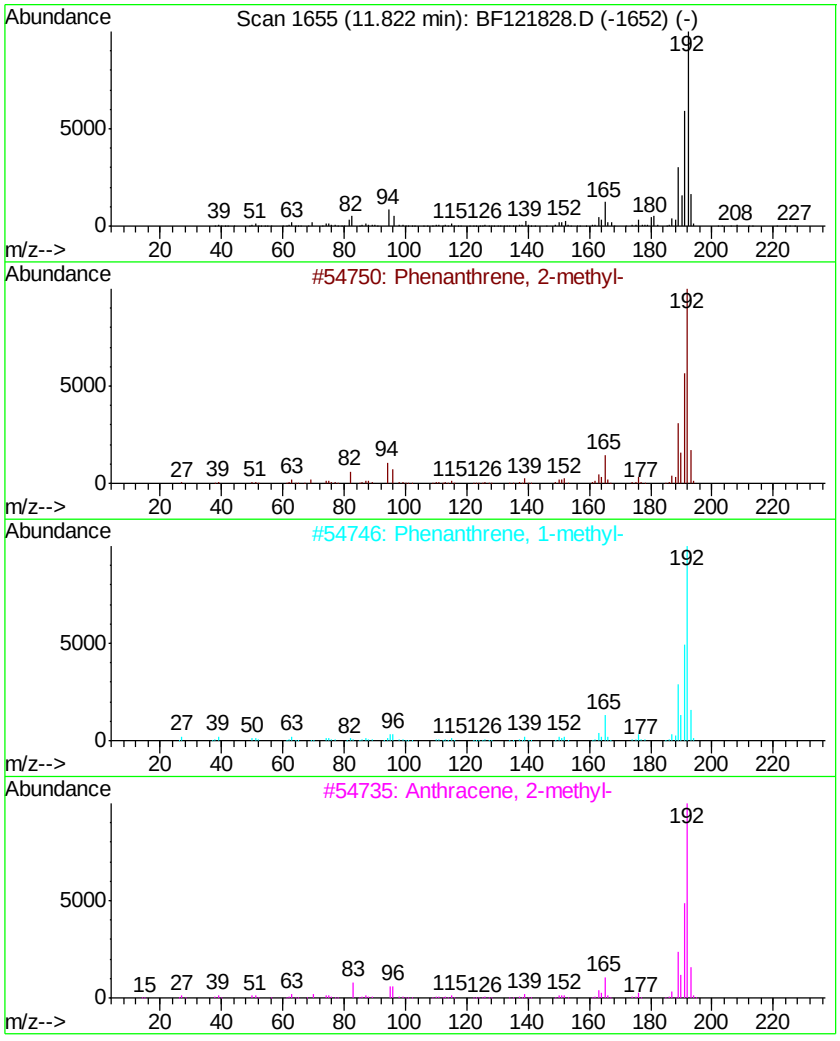
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

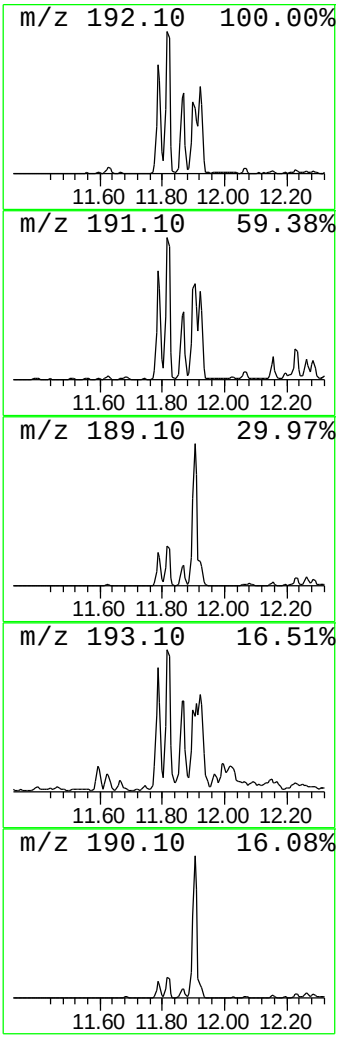
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.95 ng	1694790	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, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
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Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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

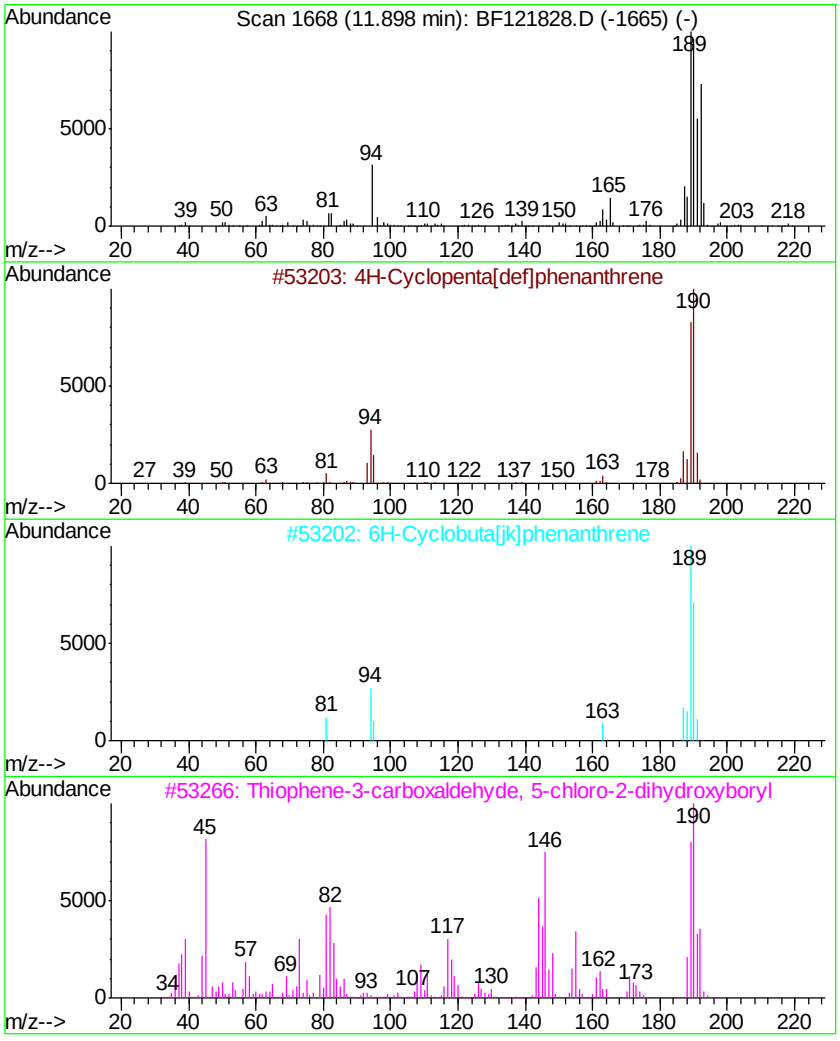
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

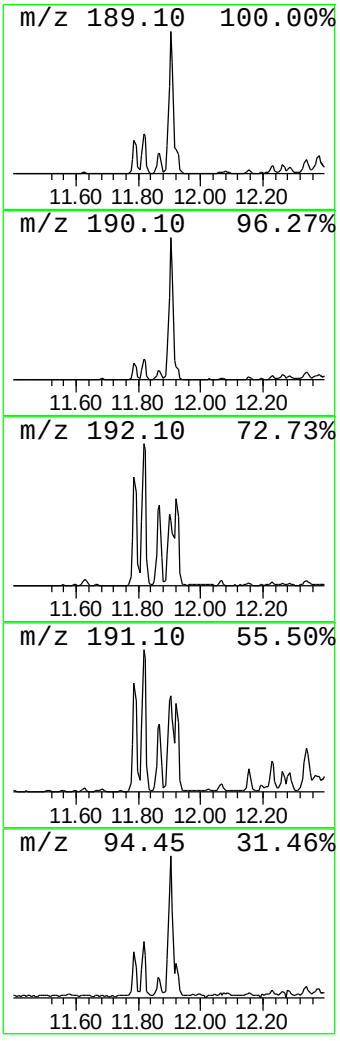
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.40 ng	2745100	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	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





Library Search Compound Report

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Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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

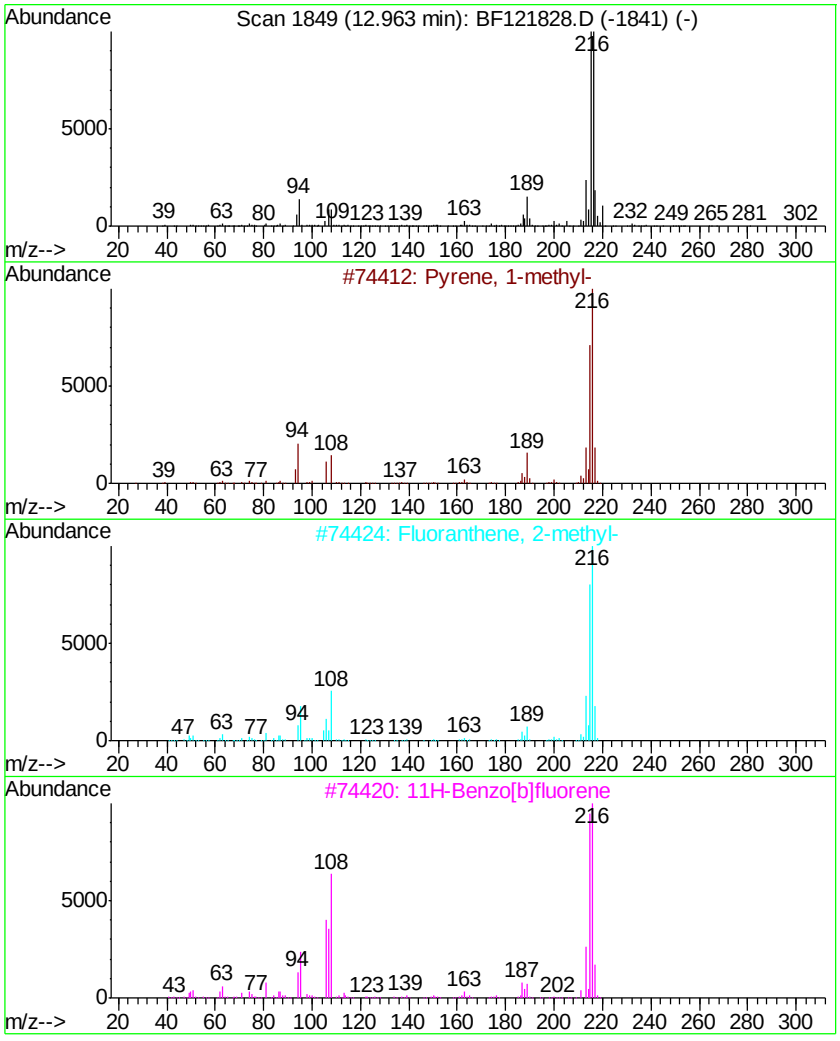
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

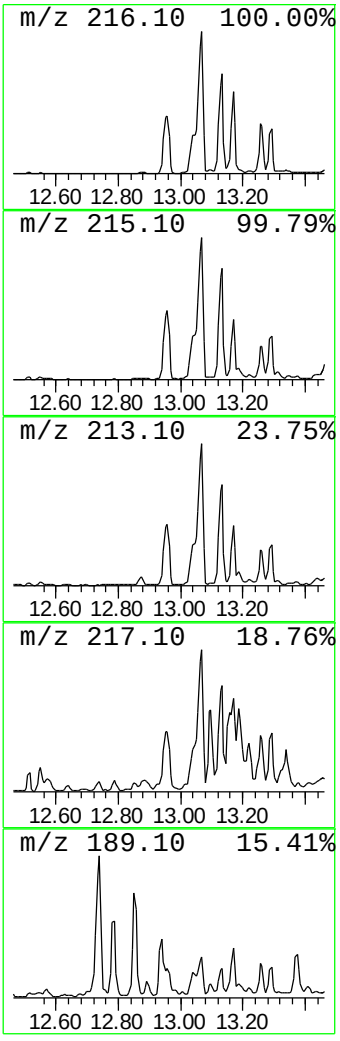
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.45 ng	2183620	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
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Instrument : BNA_F
ClientSampleId : B-18(5-7)

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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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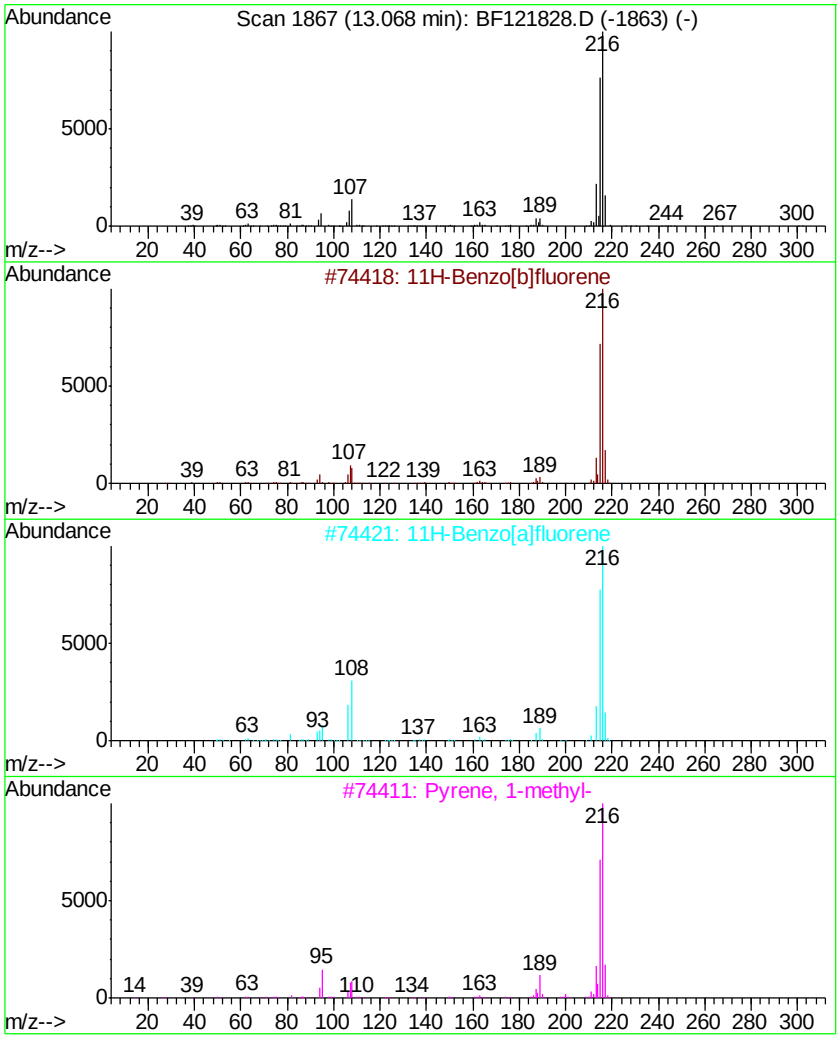
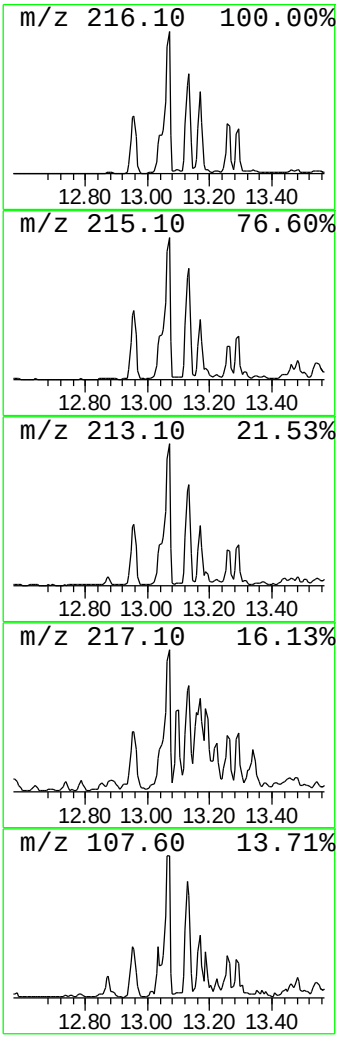
Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	4.17 ng	2642810	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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Misc :
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Instrument : BNA_F
ClientSampleId : B-18(5-7)

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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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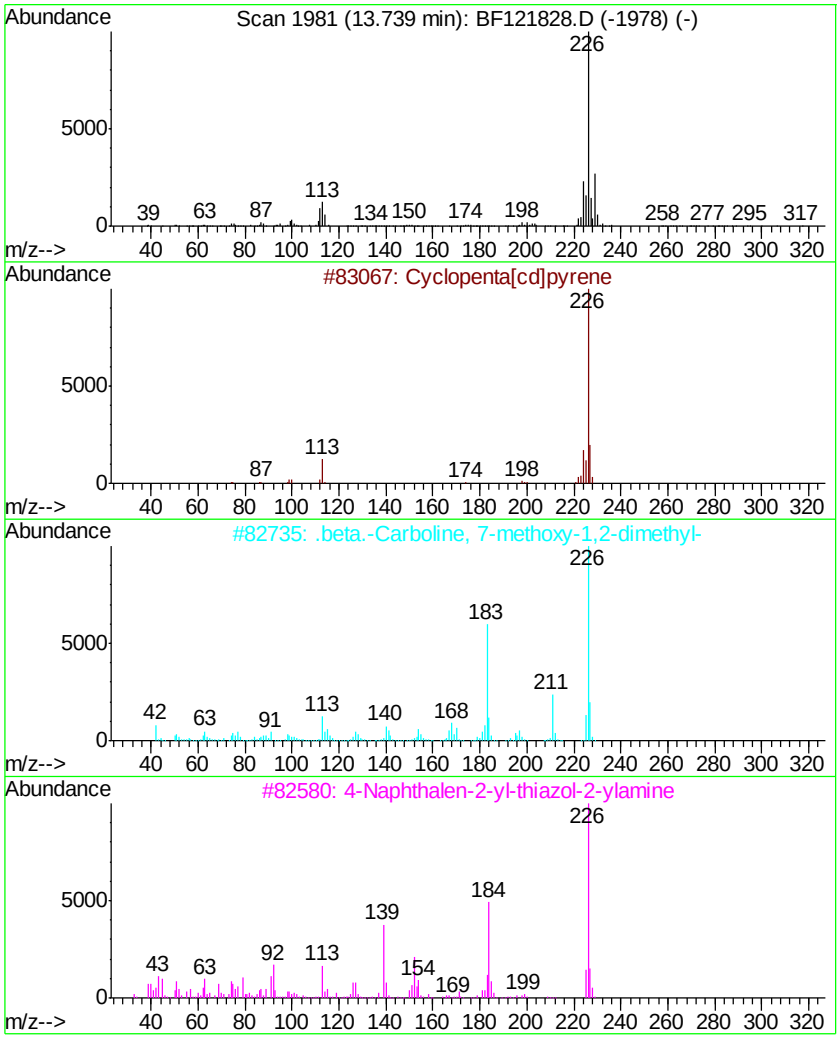
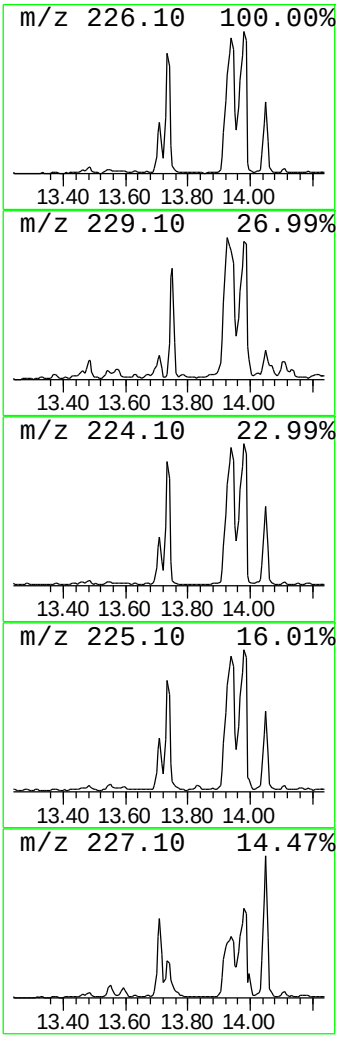
Peak Number 7 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	3.99 ng	2529480	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	78
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	47
4	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	40
5	Benzene, 2-bromo-1,4-dichloro-	224	C6H3BrCl2	001435-50-3	40





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ClientSampleId : B-18(5-7)

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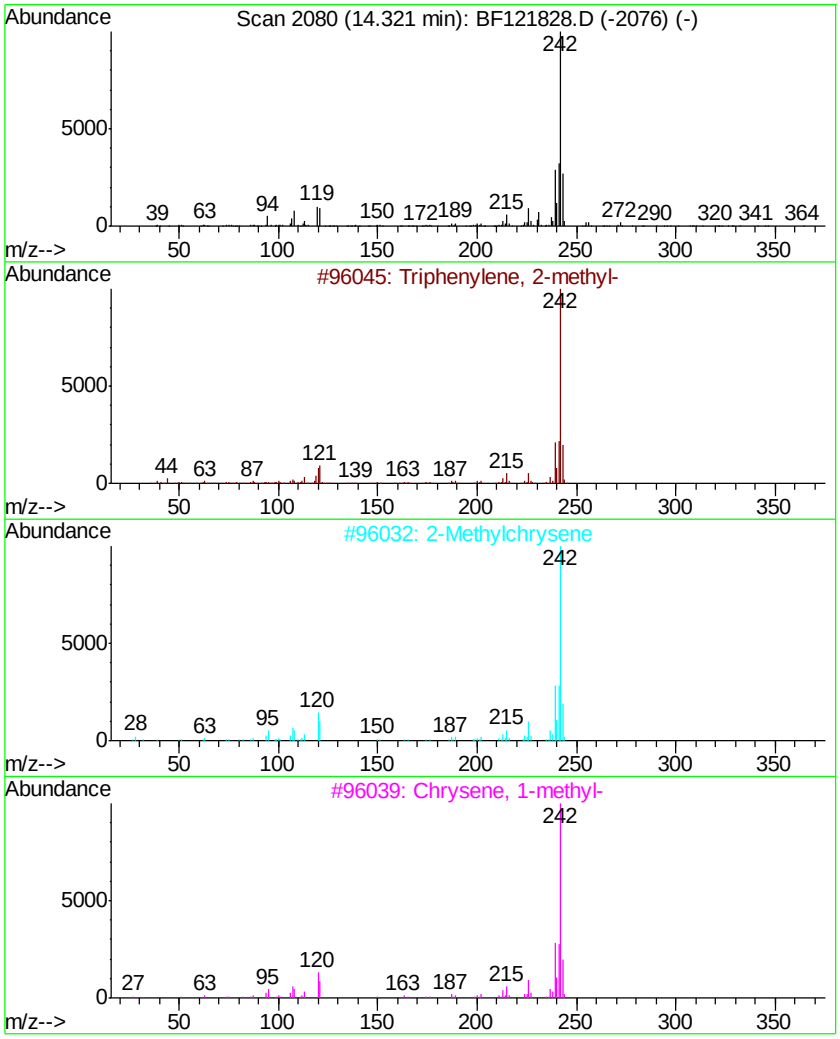
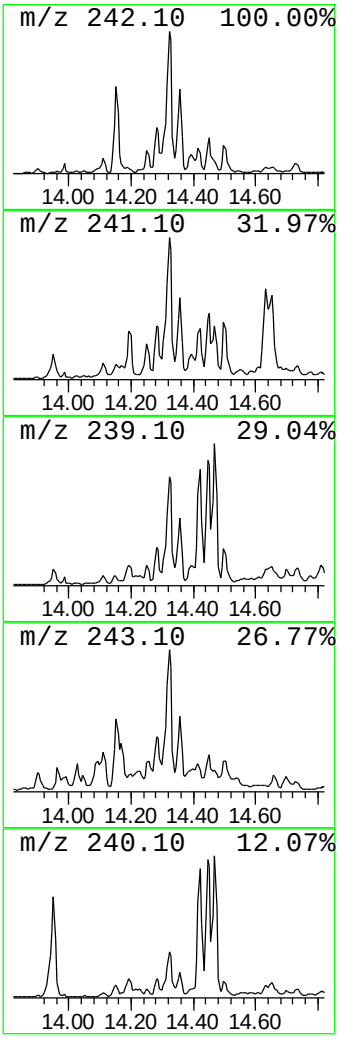
Peak Number 8 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	4.01 ng	2542070	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	2-Methylchrysene	242	C19H14	003351-32-4	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





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ClientSampleId : B-18(5-7)

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

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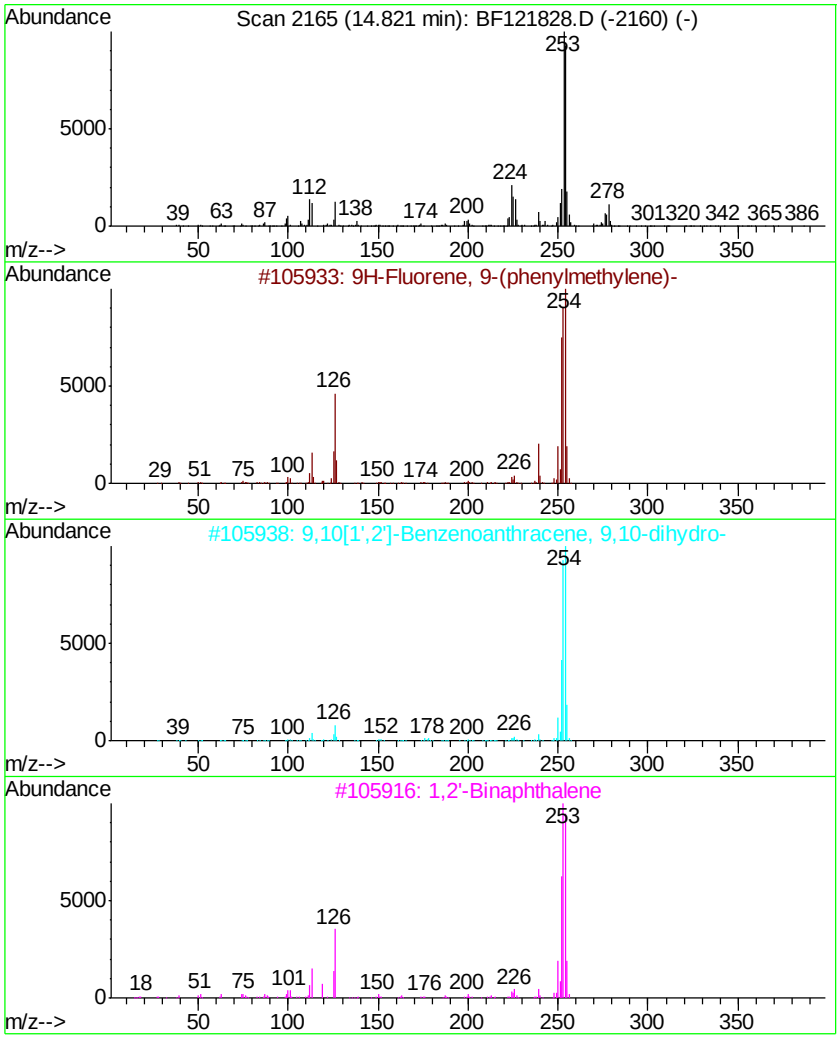
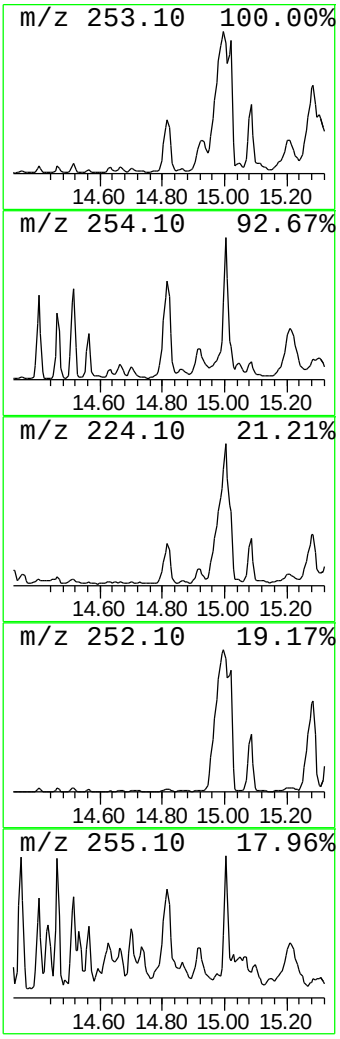
Peak Number 9 9H-Fluorene, 9-(phenylmethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	42.48 ng	1022120	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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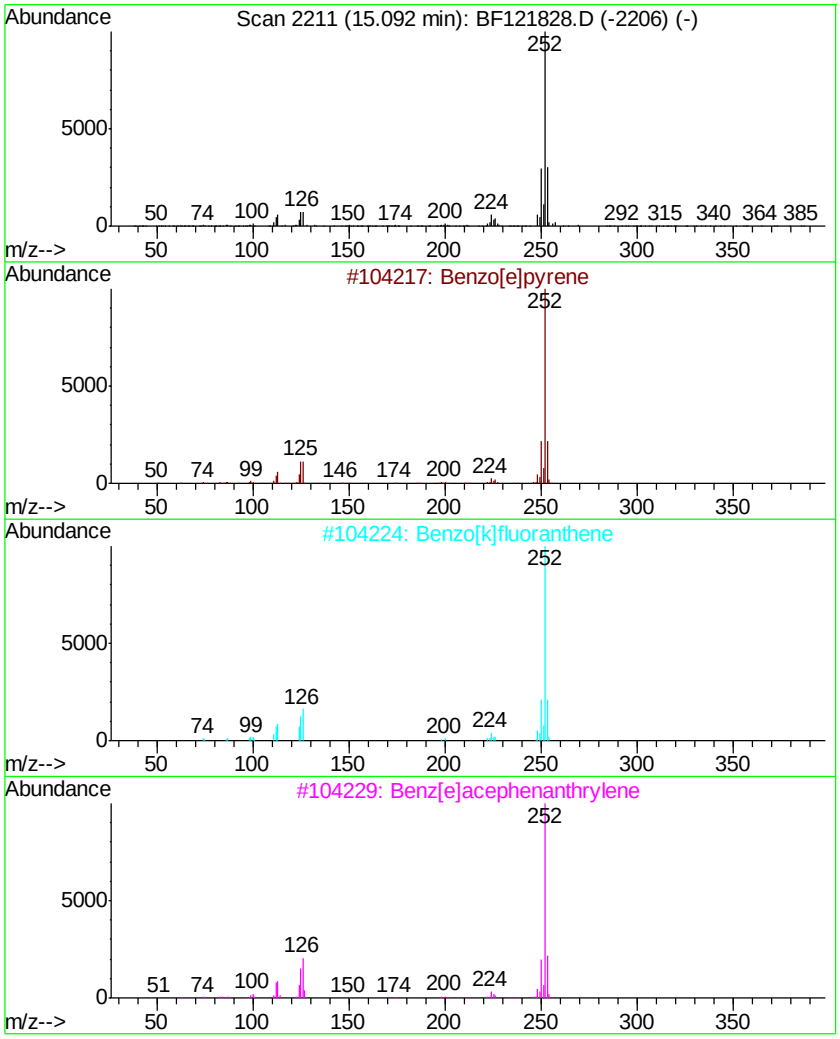
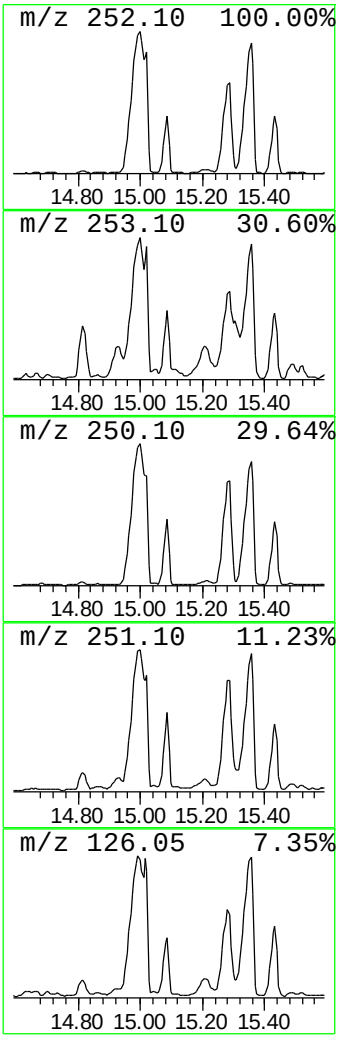
Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	75.87 ng	1825810	Perylene-d12	15.40

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





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ClientSampleId : B-18(5-7)

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TIC Integration Parameters: LSCINT.P

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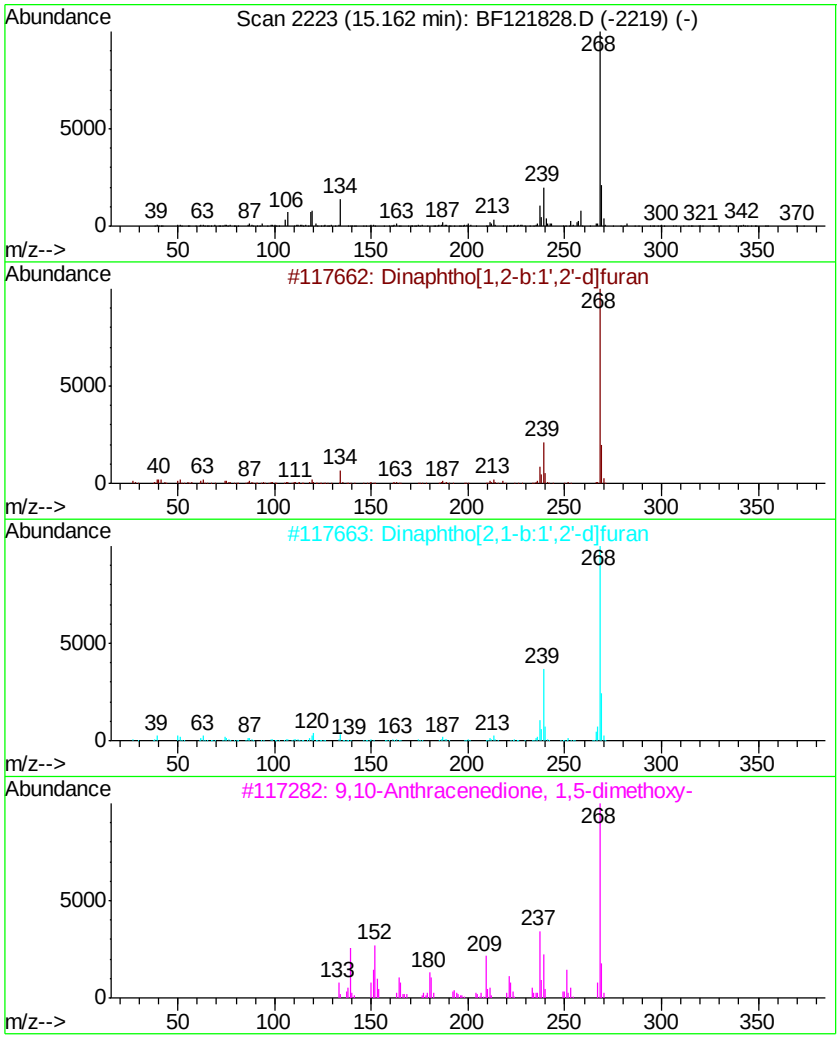
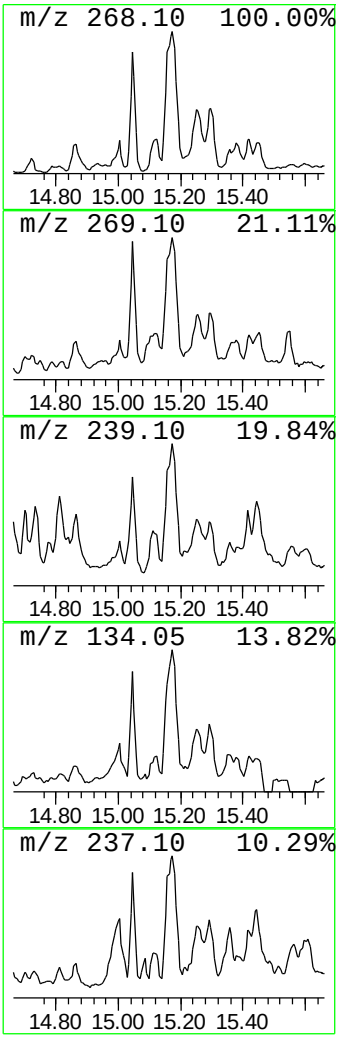
Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	19.47 ng	468450	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
3	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	50





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Operator : JU/CG
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Misc :
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ClientSampleId : B-18(5-7)

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

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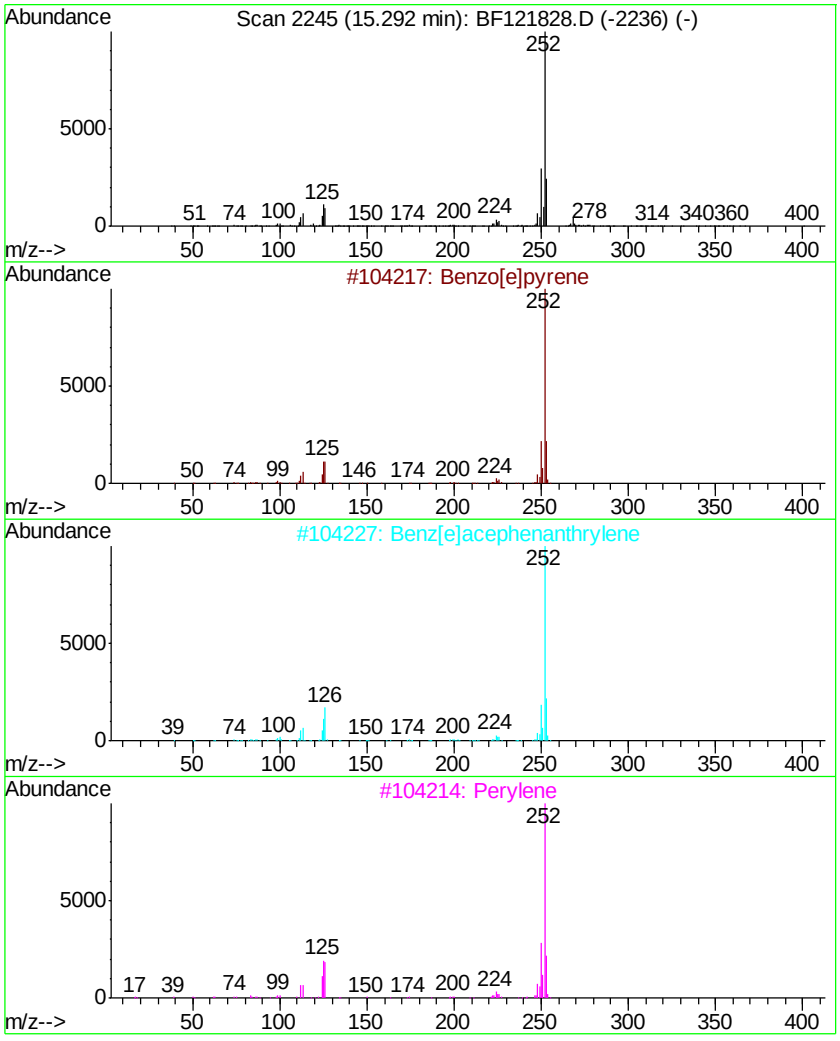
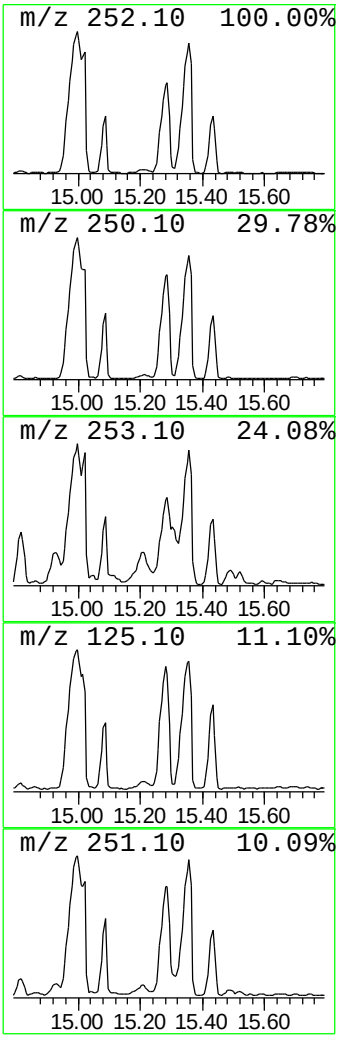
Peak Number 12 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	221.85 ng	5338520	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Misc :
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Instrument : BNA_F
ClientSampleId : B-18(5-7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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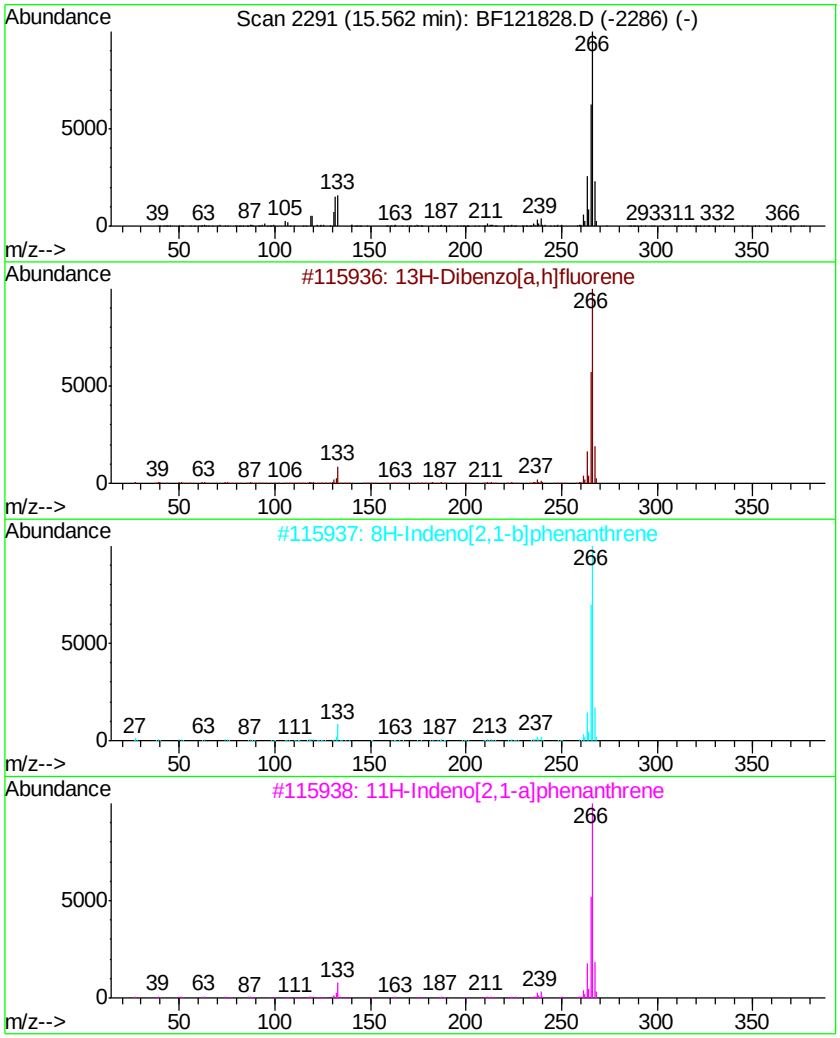
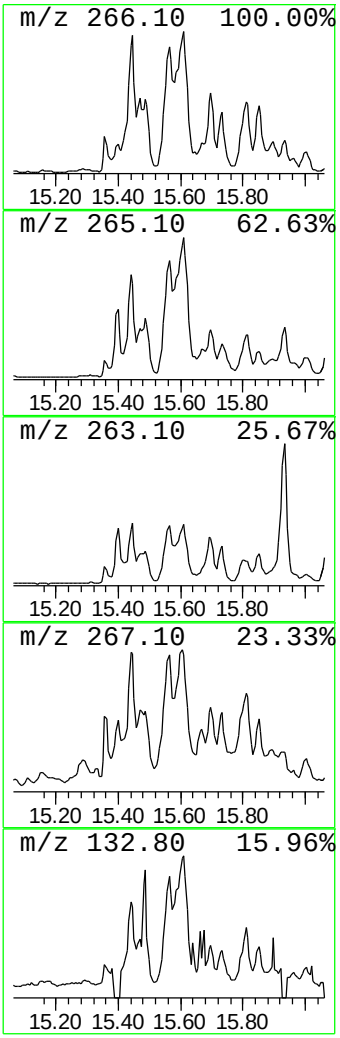
Peak Number 13 13H-Dibenzo[a,h]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	25.21 ng	606662	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	95
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	93
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	93
4	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	70
5	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	59





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ClientSampleId : B-18(5-7)

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

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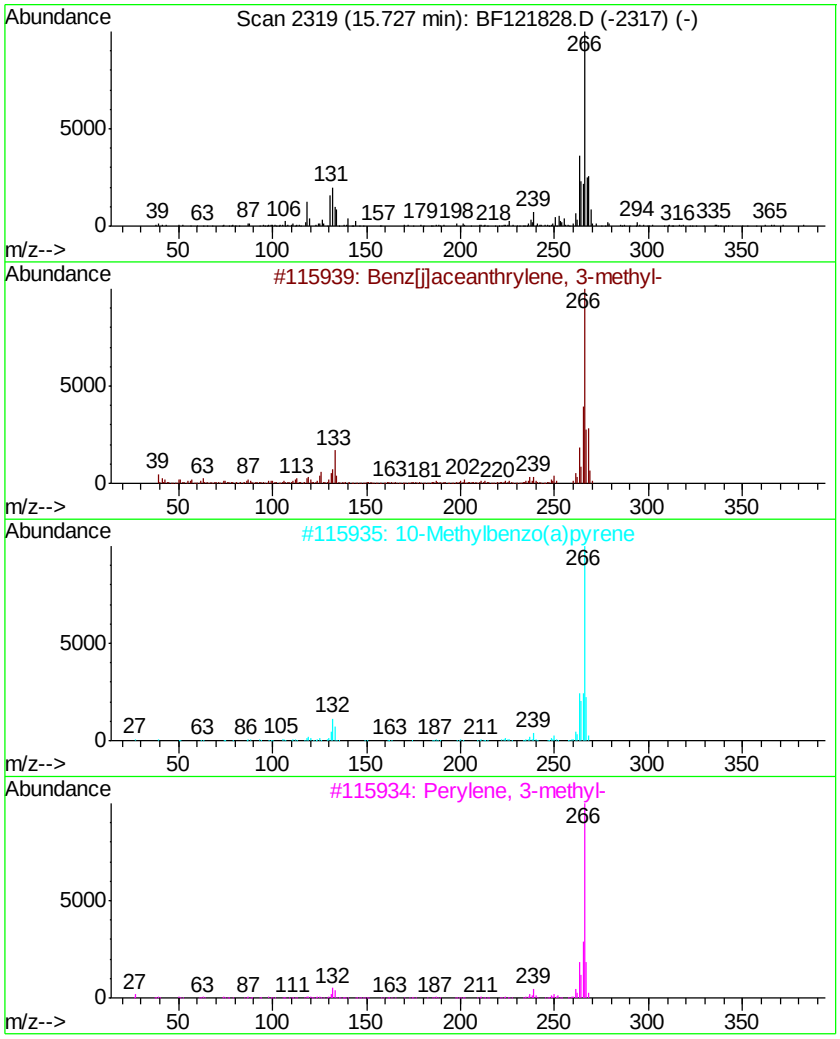
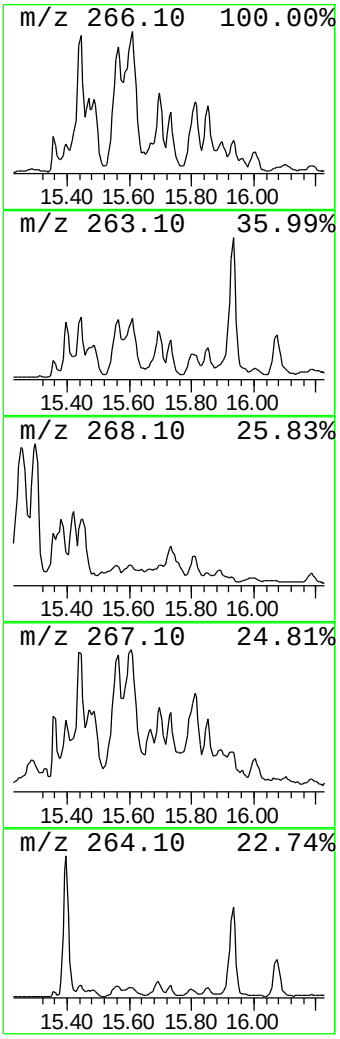
Peak Number 14 Benz[j]aceanthrylene, 3-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	21.51 ng	517665	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	86
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	78
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	60
4	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	53
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	50





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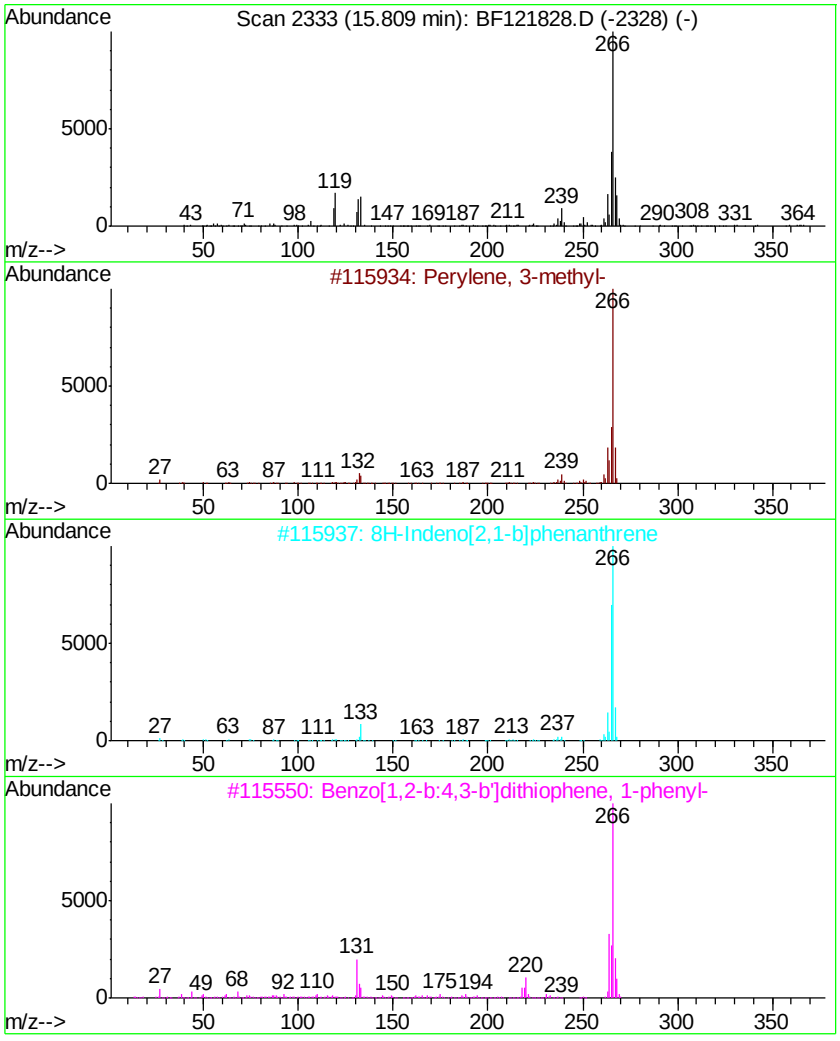
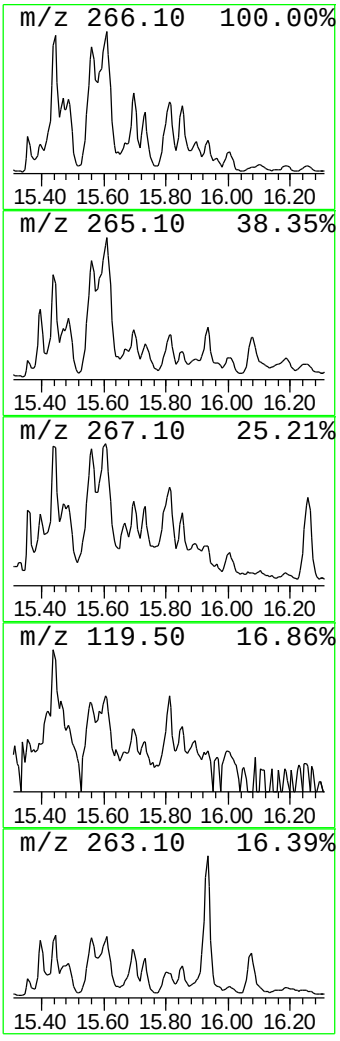
Peak Number 15 Perylene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	19.73 ng	474723	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	76
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	60
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	59
4	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	53
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	53





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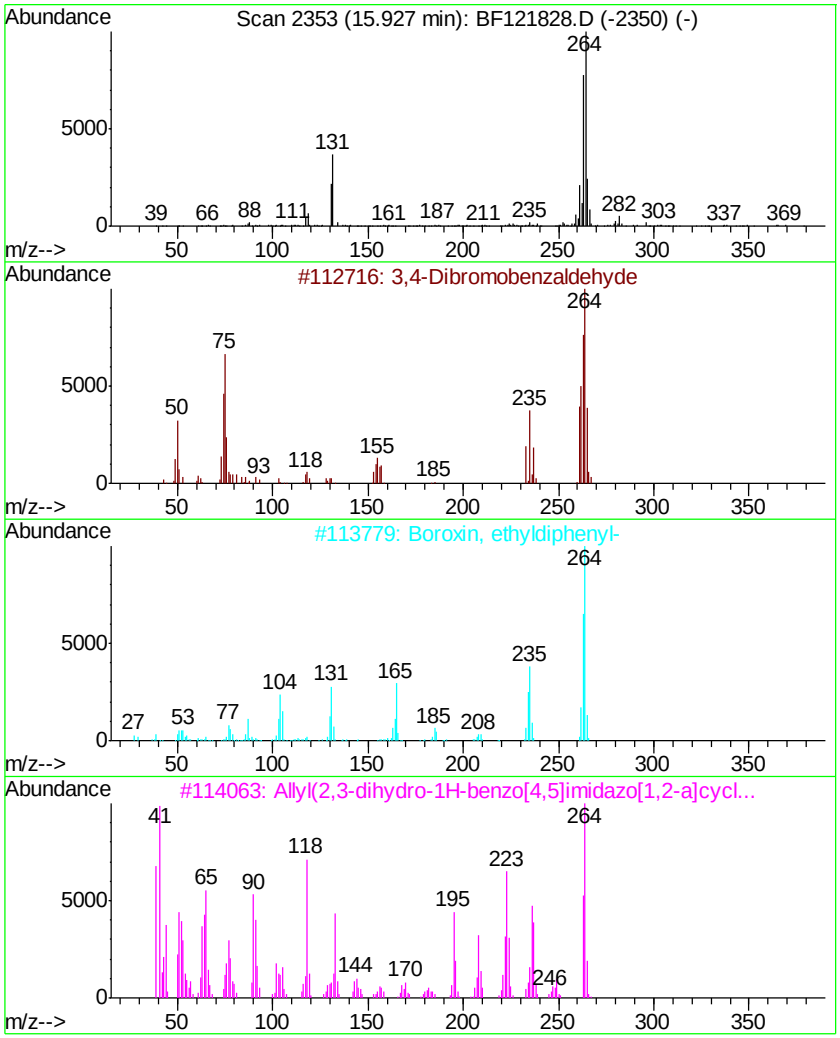
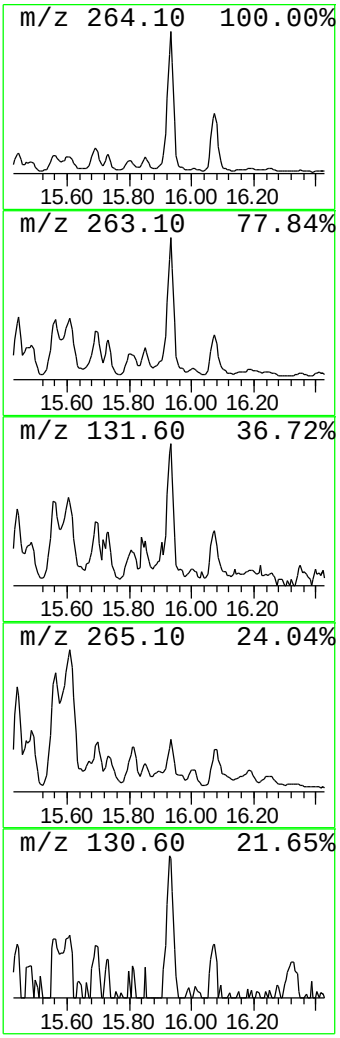
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	23.41 ng	563406	Perylene-d12	15.40

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	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	42
4	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	32
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	32





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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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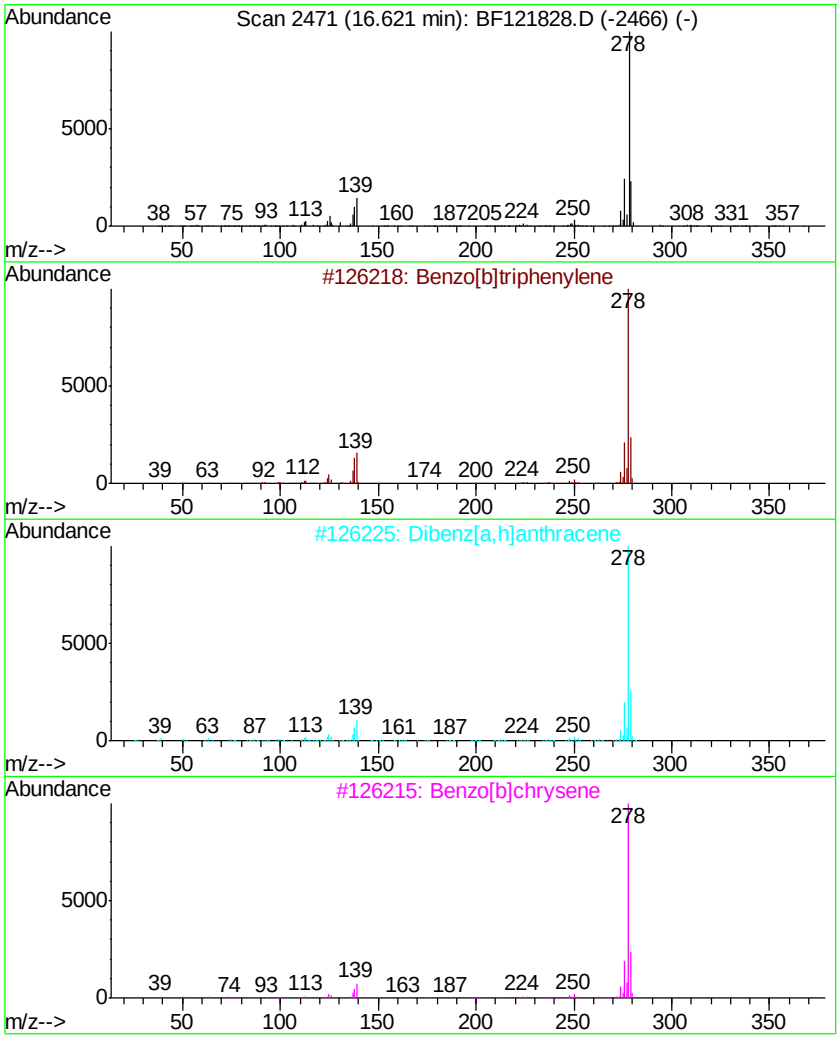
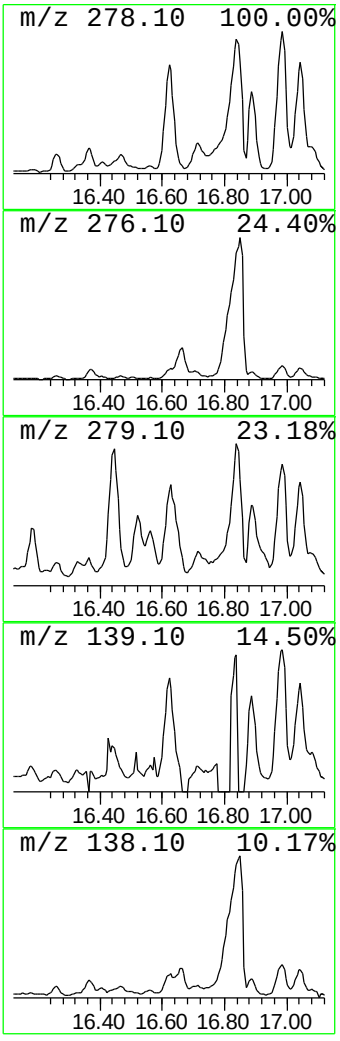
Peak Number 17 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	27.55 ng	663035	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Pentacene	278	C22H14	000135-48-8	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90





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Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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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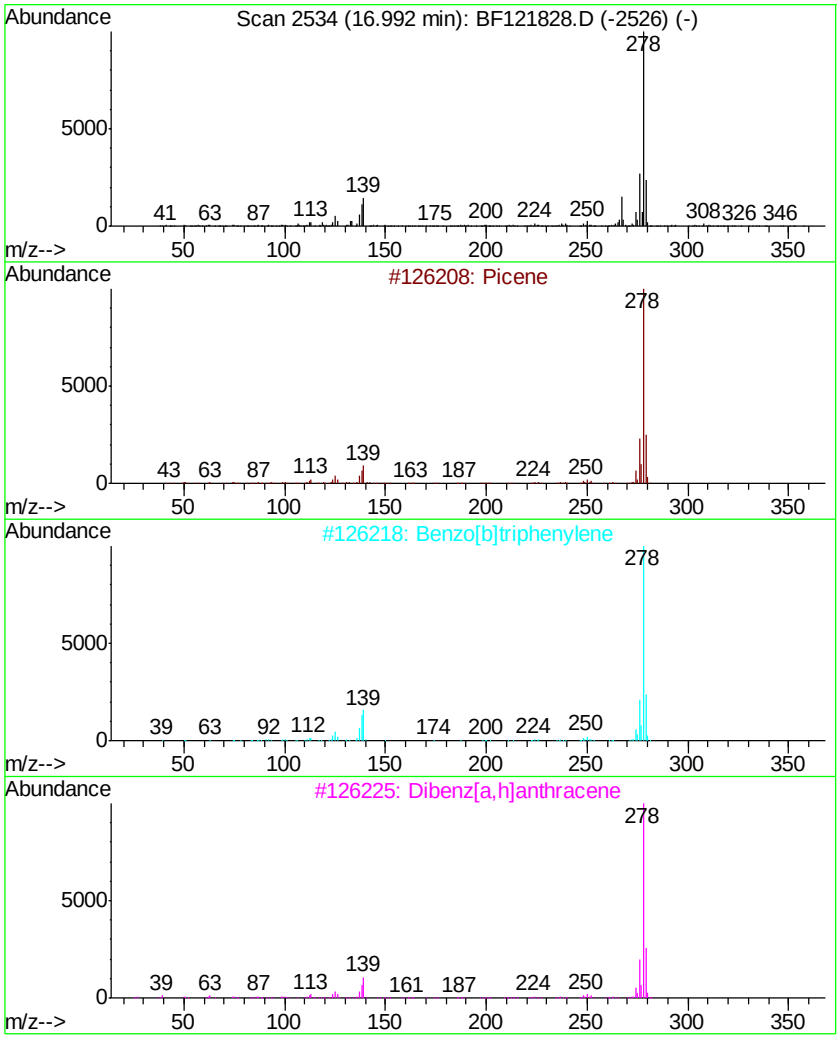
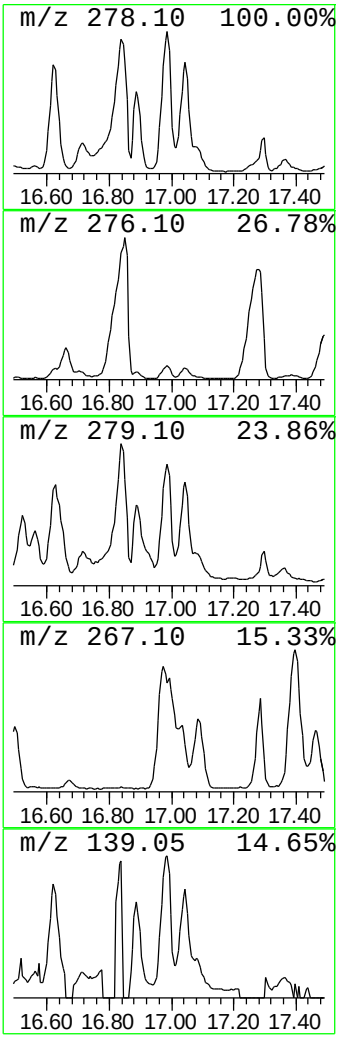
Peak Number 18 Picene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	63.33 ng	1523910	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	98
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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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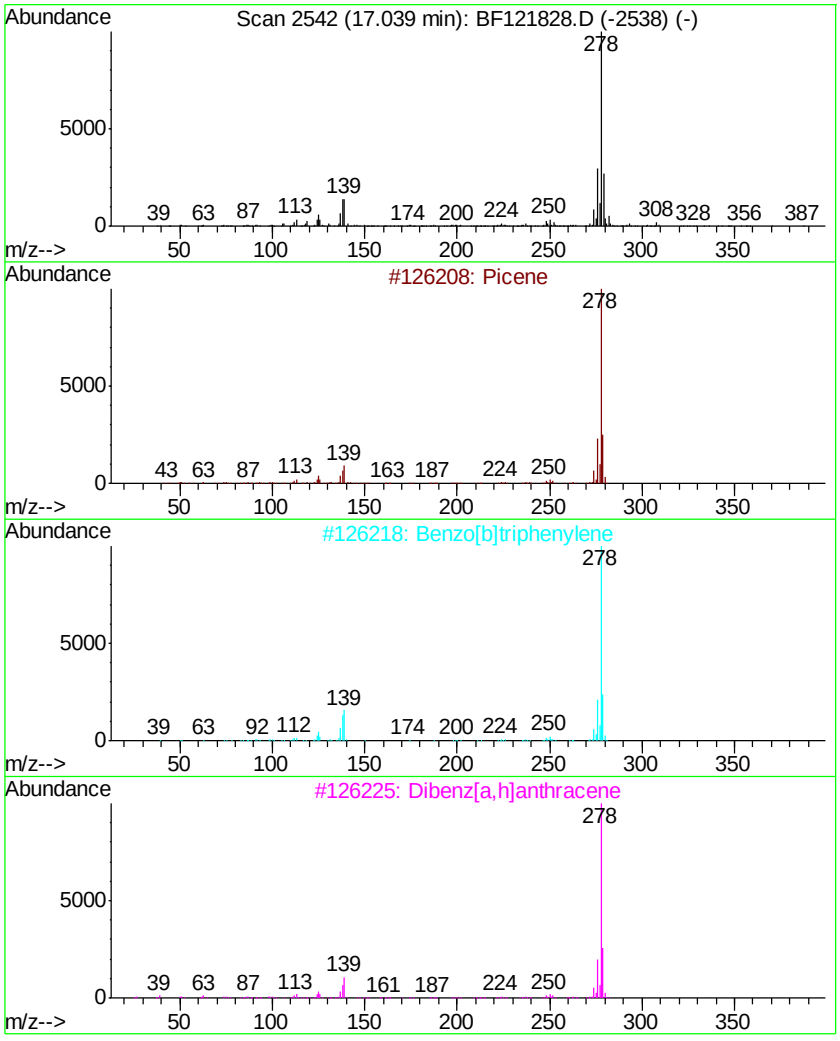
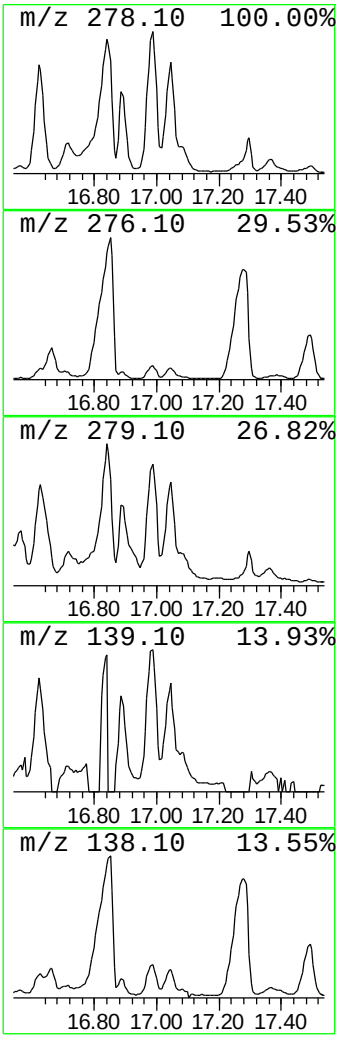
Peak Number 19 Benzo[b]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	29.67 ng	713904	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	Pentacene	278	C22H14	000135-48-8	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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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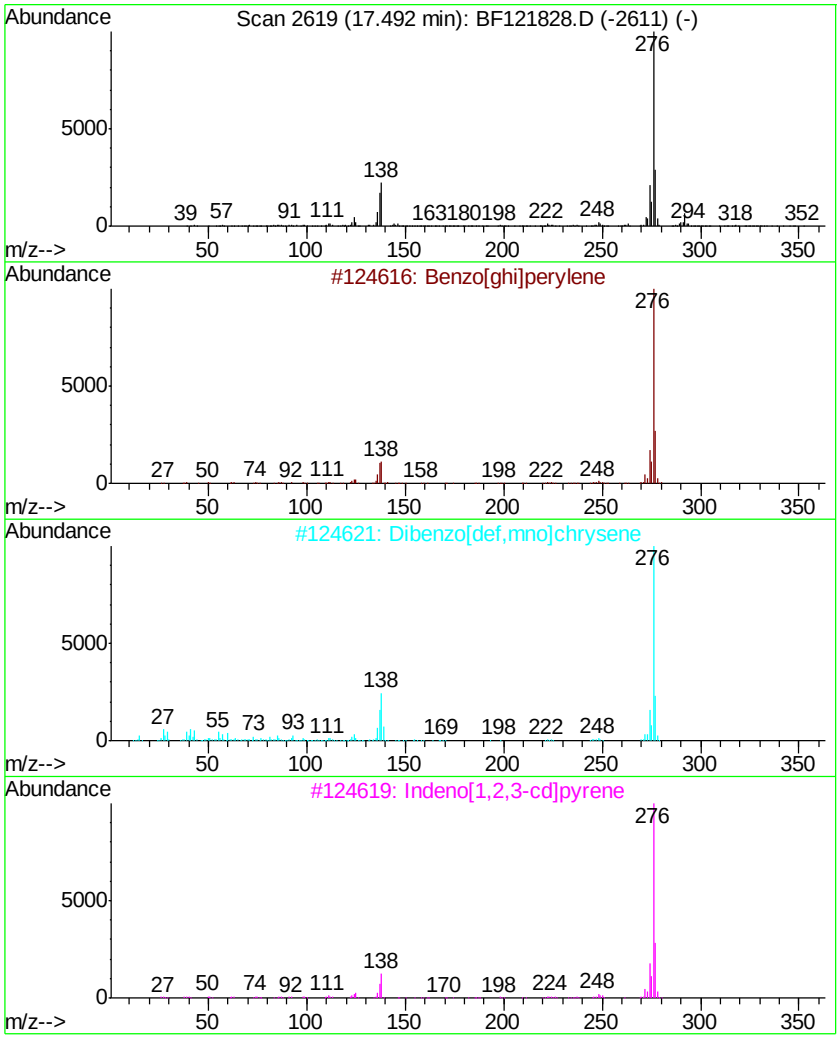
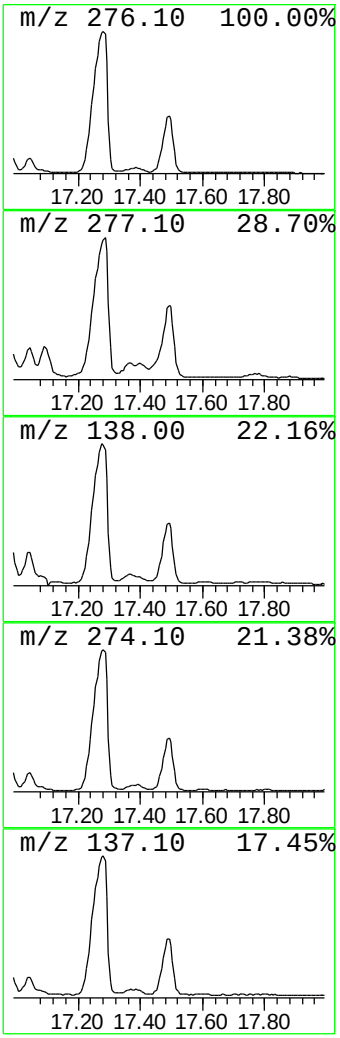
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	75.96 ng	1827830	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
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	74
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\BF100520\
Data File : BF121828.D
Acq On : 5 Oct 2020 20:51
Operator : JU/CG
Sample : L4247-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-18(5-7)

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
Tetradecane	9.20	8.0	ng	389072	3	9.80	973205	20.0
Dibenzofuran, 4-m...	10.50	8.1	ng	393165	3	9.80	973205	20.0
Phenanthrene, 2-m...	11.82	4.0	ng	1694790	4	11.29	8576410	20.0
4H-Cyclopenta[def...	11.90	6.4	ng	2745100	4	11.29	8576410	20.0
Pyrene, 1-methyl-	12.96	3.5	ng	2183620	5	13.95	12676000	20.0
11H-Benzo[b]fluorene	13.07	4.2	ng	2642810	5	13.95	12676000	20.0
Cyclopenta[cd]pyrene	13.74	4.0	ng	2529480	5	13.95	12676000	20.0
Triphenylene, 2-m...	14.32	4.0	ng	2542070	5	13.95	12676000	20.0
9H-Fluorene, 9-(p...	14.82	42.5	ng	1022120	6	15.40	481272	20.0
Benzo[e]pyrene	15.09	75.9	ng	1825810	6	15.40	481272	20.0
Dinaphtho[1,2-b:1...	15.16	19.5	ng	468450	6	15.40	481272	20.0
Perylene	15.29	221.8	ng	5338520	6	15.40	481272	20.0
13H-Dibenzo[a,h]f...	15.56	25.2	ng	606662	6	15.40	481272	20.0
Benz[j]aceanthryl...	15.73	21.5	ng	517665	6	15.40	481272	20.0
Perylene, 3-methyl-	15.81	19.7	ng	474723	6	15.40	481272	20.0
3,4-Dibromobenzal...	15.93	23.4	ng	563406	6	15.40	481272	20.0
Benzo[b]triphenylene	16.62	27.6	ng	663035	6	15.40	481272	20.0
Picene	16.99	63.3	ng	1523910	6	15.40	481272	20.0
Benzo[b]chrysene	17.04	29.7	ng	713904	6	15.40	481272	20.0
Dibenzo[def,mno]c...	17.49	76.0	ng	1827830	6	15.40	481272	20.0