LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124384.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	561	564	574	rBV	135235	142392	22.58%	1.853%
2	6.428	735	738	746	rBV	151488	152638	24.21%	1.987%
3	6.781	795	798	802	rBV	275651	207243	32.87%	2.697%
4	7.345	891	894	902	rBV	129248	109034	17.29%	1.419%
5	8.069	1013	1017	1019	rBV	321320	261756	41.52%	3.407%
6	8.086	1019	1020	1025	rVB	28012	18620	2.95%	0.242%
7	9.139	1196	1199	1203	rBV	243356	204051	32.36%	2.656%
8	9.686	1289	1292	1295	rBV	16868	13828	2.19%	0.180%
9	9.822	1312	1315	1319	rBV	420817	325201	51.58%	4.232%
10	10.616	1447	1450	1456	rBV	126687	120313	19.08%	1.566%
11	11.310	1565	1568	1571	rBV	417359	325087	51.56%	4.231%
12	11.557	1604	1610	1615	rBV3	12686	24951	3.96%	0.325%
13	11.845	1656	1659	1662	rVB3	10611	11715	1.86%	0.152%
14	11.886	1662	1666	1669	rBV3	14650	15486	2.46%	0.202%
15	11.921	1669	1672	1675	rBV2	46286	50822	8.06%	0.661%
16	12.010	1682	1687	1690	rBV2	7436	15269	2.42%	0.199%
17	12.286	1732	1734	1737	rBV	13862	12235	1.94%	0.159%
18	12.316	1737	1739	1742	rVB2	13803	11804	1.87%	0.154%
19	12.363	1742	1747	1750	rBV	54504	57939	9.19%	0.754%
20	12.404	1750	1754	1755	rVV3	26536	32971	5.23%	0.429%
21	12.421	1755	1757	1759	rVV2	14647	12632	2.00%	0.164%
22	12.457	1759	1763	1767	rVB2	43317	54408	8.63%	0.708%
23	12.527	1771	1775	1779	rBV	390867	323218	51.26%	4.207%
24	12.592	1783	1786	1788	rVV3	16088	15181	2.41%	0.198%
25	12.621	1788	1791	1796	rVV	43688	36489	5.79%	0.475%
26	12.674	1796	1800	1802	rVV4	19460	21645	3.43%	0.282%
27	12.704	1802	1805	1808	rVV2	11157	13841	2.20%	0.180%
28	12.757	1808	1814	1820	rVV	414550	403634	64.02%	5.253%
29	12.810	1820	1823	1827	rVB3	23839	28655	4.54%	0.373%
30	12.874	1828	1834	1835	rBV4	27076	27817	4.41%	0.362%
31	12.892	1835	1837	1840	rVV	241787	207978	32.99%	2.707%
32	12.915	1840	1841	1846	rVB2	42646	33338	5.29%	0.434%
33	12.980	1846	1852	1858	rBV5	48378	90262	14.32%	1.175%
34	13.063	1862	1866	1868	rVV4	50057	73587	11.67%	0.958%
35	13.080	1868	1869	1873	rVB	71617	61171	9.70%	0.796%
36	13.127	1873	1877	1878	rBV4	16720	19893	3.16%	0.259%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
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Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.151	1878	1881	1883	rVV	41829	37207	5.90%	0.484%
38	13.186	1883	1887	1891	rVV2	75186	100365	15.92%	1.306%
39	13.251	1895	1898	1899	rVV2	21506	20210	3.21%	0.263%
40	13.280	1900	1903	1906	rVV	53123	50066	7.94%	0.652%
41	13.315	1906	1909	1912	rVV3	41445	48933	7.76%	0.637%
42	13.339	1912	1913	1917	rVV3	10562	11808	1.87%	0.154%
43	13.380	1917	1920	1921	rVV2	11748	10957	1.74%	0.143%
44	13.398	1921	1923	1926	rVB3	15750	12709	2.02%	0.165%
45	13.463	1931	1934	1935	rBV2	15917	14896	2.36%	0.194%
46	13.504	1940	1941	1944	rVB3	16680	15324	2.43%	0.199%
47	13.568	1948	1952	1954	rBV5	25575	30561	4.85%	0.398%
48	13.598	1954	1957	1961	rVB2	45419	42134	6.68%	0.548%
49	13.657	1964	1967	1971	rBV4	16727	17047	2.70%	0.222%
50	13.710	1971	1976	1978	rBV5	34271	49070	7.78%	0.639%
51	13.733	1978	1980	1982	rVV2	44148	33078	5.25%	0.431%
52	13.757	1982	1984	1986	rVV	43046	36017	5.71%	0.469%
53	13.810	1990	1993	1997	rVB	47863	55165	8.75%	0.718%
54	13.868	2000	2003	2005	rBV3	10484	15813	2.51%	0.206%
55	13.957	2010	2018	2021	rBV2	444965	630485	100.00%	8.206%
56	13.986	2021	2023	2031	rVV	190339	186871	29.64%	2.432%
57	14.045	2031	2033	2034	rVV2	11744	10901	1.73%	0.142%
58	14.062	2034	2036	2039	rVB3	34145	29626	4.70%	0.386%
59	14.110	2039	2044	2046	rBV3	36361	49253	7.81%	0.641%
60	14.151	2049	2051	2053	rVV2	23554	25306	4.01%	0.329%
61	14.174	2053	2055	2056	rVV2	23197	20324	3.22%	0.265%
62	14.192	2056	2058	2060	rVV2	25672	25009	3.97%	0.325%
63	14.221	2060	2063	2066	rVV5	21555	28037	4.45%	0.365%
64	14.280	2070	2073	2075	rBV4	16574	17102	2.71%	0.223%
65	14.310	2075	2078	2079	rVV	41944	33825	5.36%	0.440%
66	14.345	2079	2084	2087	rVV	100722	122680	19.46%	1.597%
67	14.380	2087	2090	2093	rVV2	42145	46126	7.32%	0.600%
68	14.421	2093	2097	2099	rVV5	28215	46794	7.42%	0.609%
69	14.439	2099	2100	2103	rVV	35339	31763	5.04%	0.413%
70	14.468	2103	2105	2107	rVV3	53682	50576	8.02%	0.658%
71	14.492	2107	2109	2112	rVV4	36122	37597	5.96%	0.489%
72	14.539	2115	2117	2119	rVB3	24183	21091	3.35%	0.274%
73	14.662	2133	2138	2140	rBV6	34627	44447	7.05%	0.578%
74	14.727	2147	2149	2151	rBV3	20084	21901	3.47%	0.285%
75	14.839	2165	2168	2172	rBV3	49411	53604	8.50%	0.698%
76	14.892	2175	2177	2181	rBV5	15631	22287	3.53%	0.290%

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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

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77	14.945	2184	2186	2190	rVB4	17801	17379	2.76%	0.226%
78	14.998	2190	2195	2203	rBV	248003	472733	74.98%	6.153%
79	15.074	2205	2208	2209	rVB3	17900	16068	2.55%	0.209%
80	15.104	2209	2213	2216	rVB2	79284	79298	12.58%	1.032%
81	15.145	2216	2220	2224	rBV7	11992	16918	2.68%	0.220%
82	15.186	2224	2227	2229	rBV4	20172	23389	3.71%	0.304%
83	15.298	2240	2246	2252	rVB	137882	186776	29.62%	2.431%
84	15.357	2252	2256	2261	rVV	214928	264030	41.88%	3.436%
85	15.421	2262	2267	2270	rVV	205538	275263	43.66%	3.583%
86	15.451	2270	2272	2279	rVV2	70624	88451	14.03%	1.151%
87	15.521	2282	2284	2287	rVB4	16411	13976	2.22%	0.182%
88	15.727	2317	2319	2324	rVB5	13961	19099	3.03%	0.249%
89	15.774	2324	2327	2329	rVB4	10690	10898	1.73%	0.142%
90	15.851	2334	2340	2344	rBV8	22395	40600	6.44%	0.528%
91	15.892	2344	2347	2351	rBV4	14685	15834	2.51%	0.206%
92	15.974	2357	2361	2365	rVB6	16784	23436	3.72%	0.305%
93	16.327	2419	2421	2427	rVB5	11427	18901	3.00%	0.246%
94	16.509	2447	2452	2453	rBV4	9576	15847	2.51%	0.206%
95	16.674	2474	2480	2483	rBV6	14740	28844	4.57%	0.375%
96	16.874	2507	2514	2520	rBV	74994	141110	22.38%	1.837%
97	17.045	2538	2543	2548	rBV3	21448	36150	5.73%	0.470%
98	17.103	2548	2553	2559	rVB8	14745	29422	4.67%	0.383%
99	17.309	2583	2588	2597	rVB3	51182	112482	17.84%	1.464%
100	17.556	2623	2630	2634	rBV7	22897	42471	6.74%	0.553%

Sum of corrected areas: 7683444

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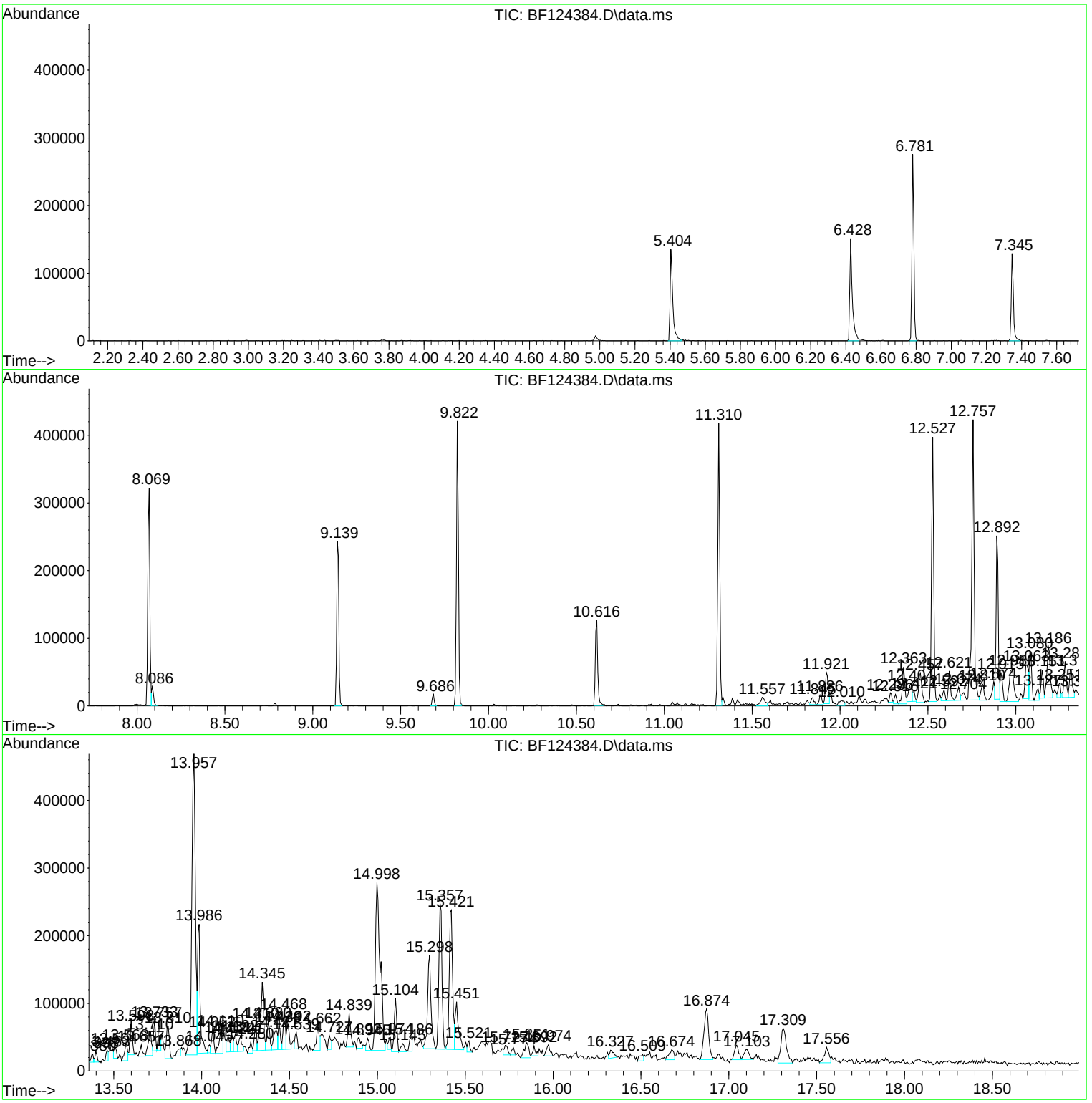
Instrument :
BNA_F
ClientSampleId :
RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
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Misc :
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Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

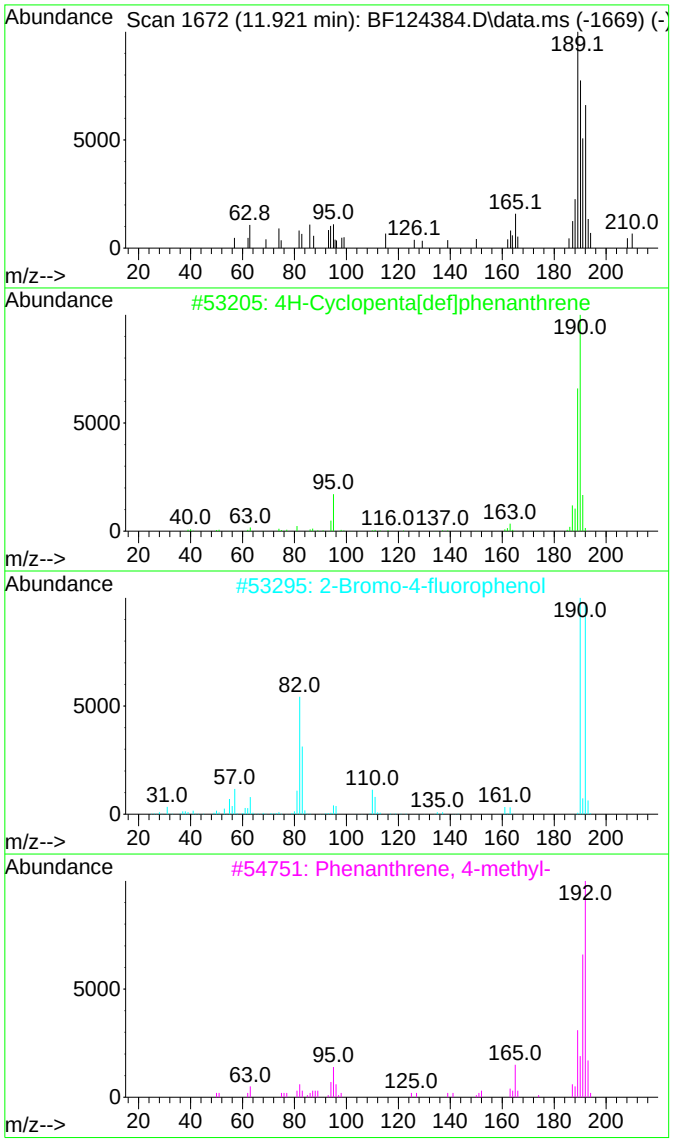
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

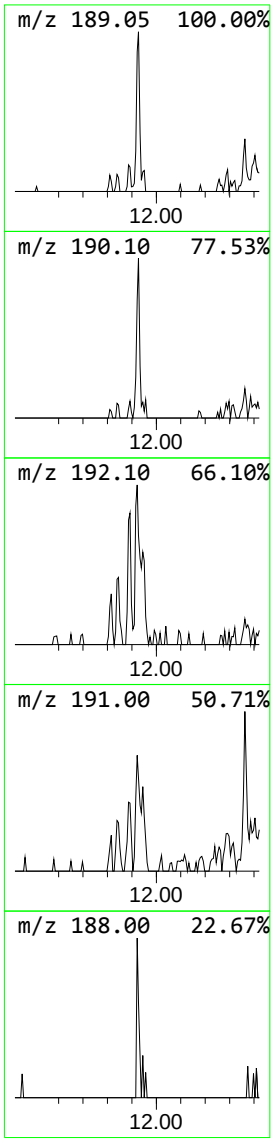
****

Peak Number 1 unknown11.921 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	3.13 ng	50822	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
2	2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
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Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RF-01_3.5-4.0

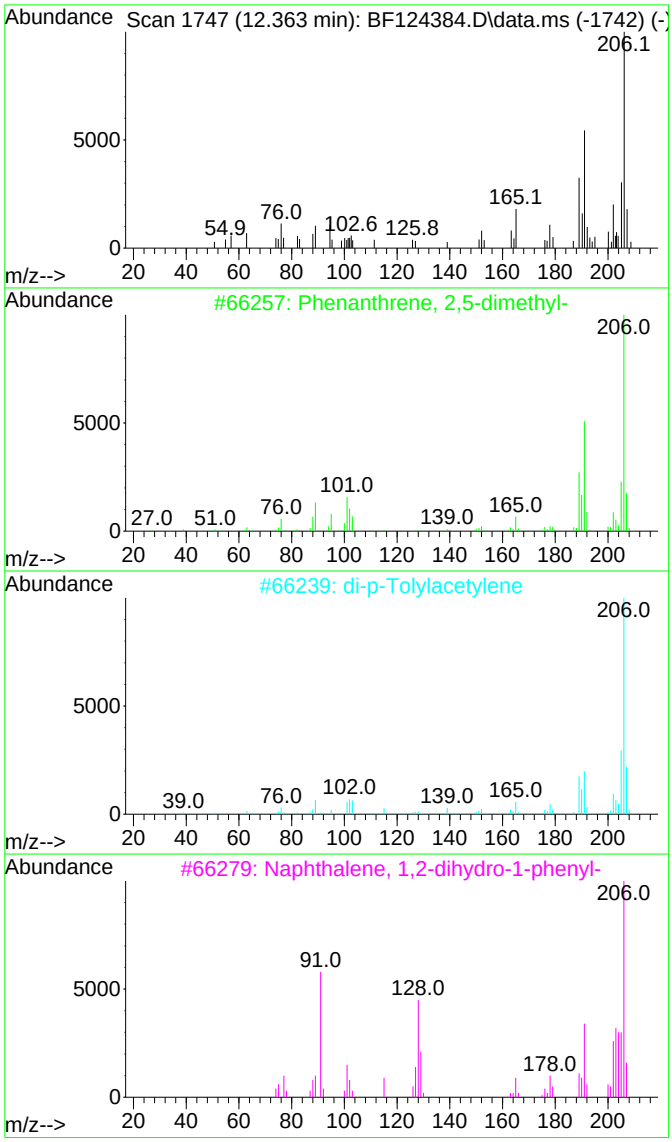
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

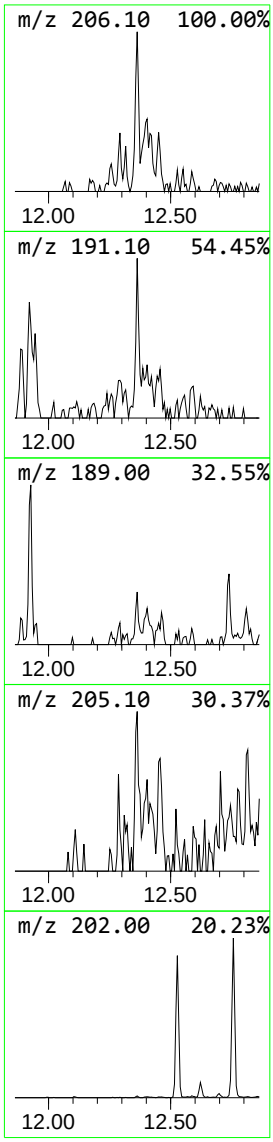
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	3.56 ng	57939	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

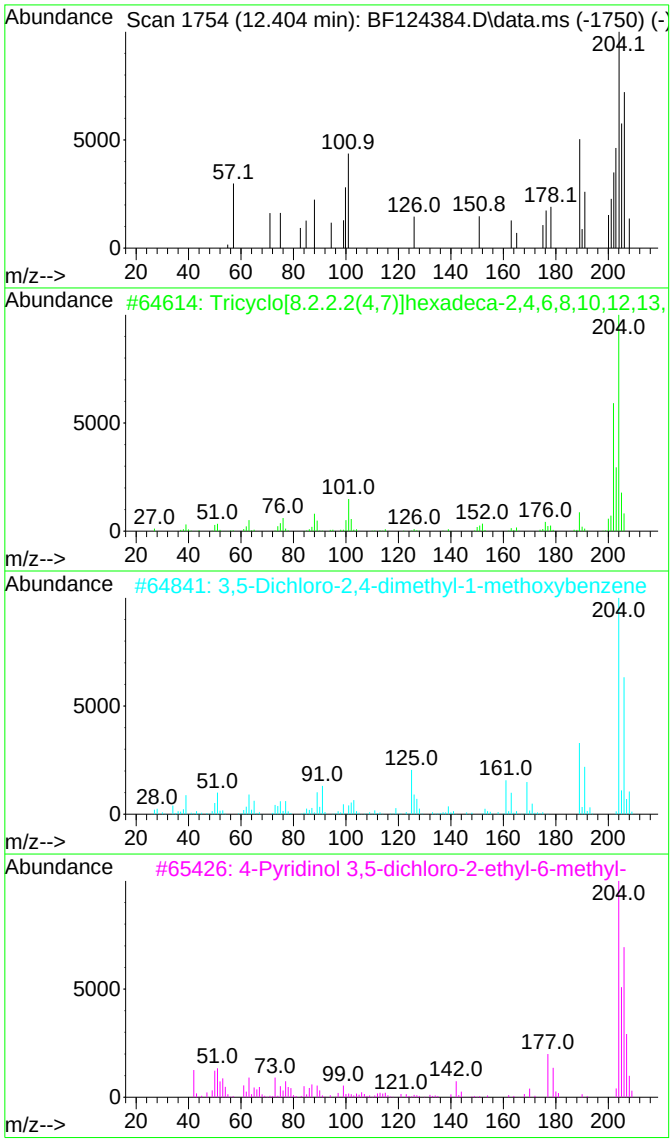
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

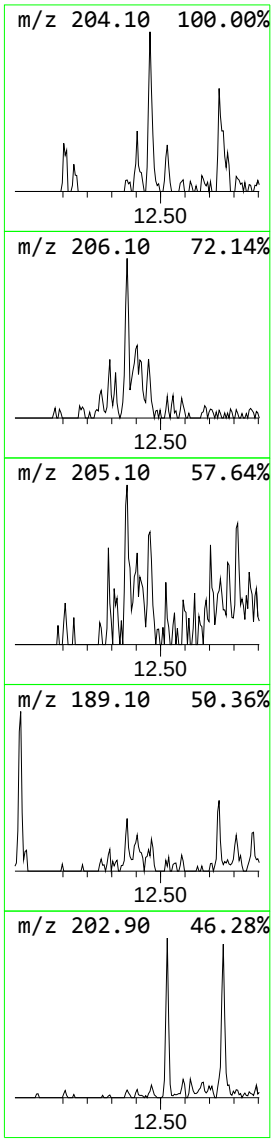
****

Peak Number 3 unknown12.404 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	2.03 ng	32971	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
3	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	38
4	1H-Pyrazole-3-carboxylic acid, 4...	204	C5H5BrN2O2	084547-86-4	35
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25





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Misc :
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Instrument :
BNA_F
ClientSampleId :
RF-01_3.5-4.0

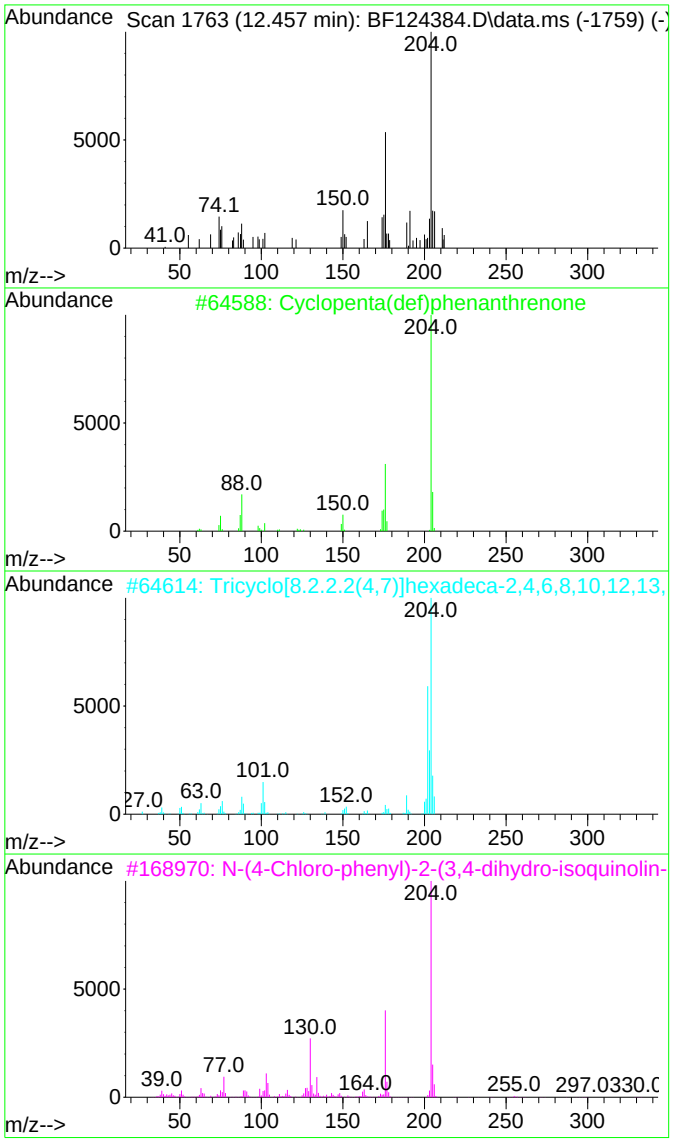
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

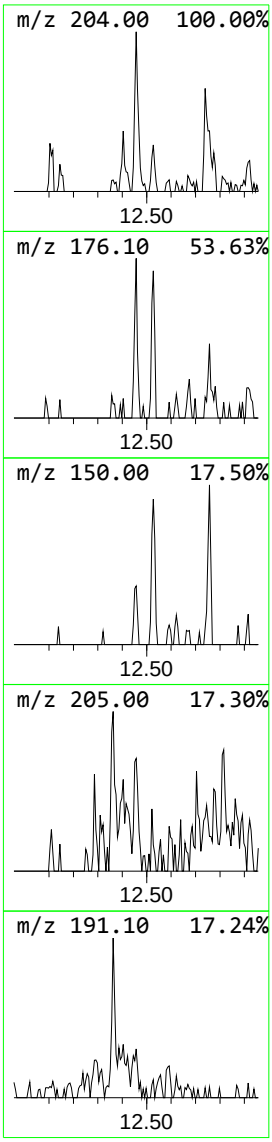
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	3.35 ng	54408	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
5	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RF-01_3.5-4.0

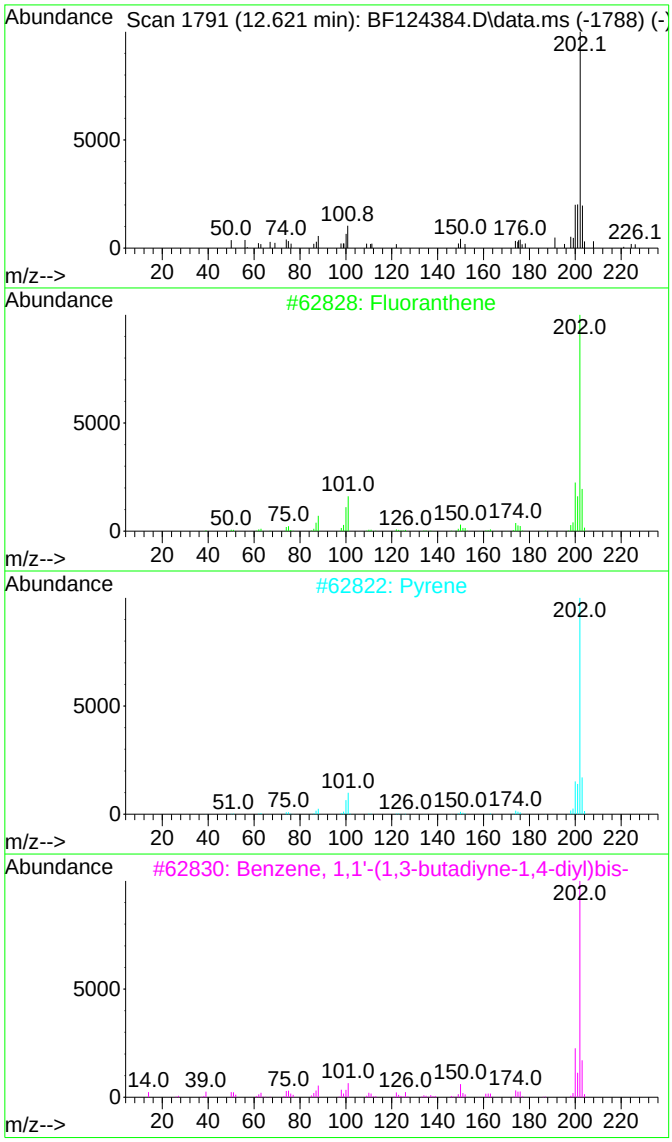
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

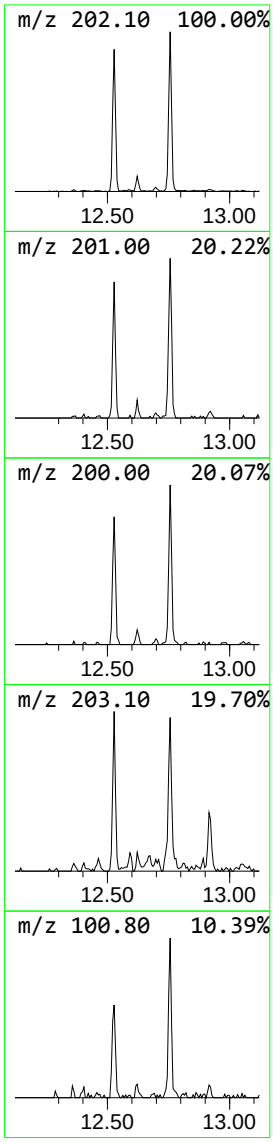
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	2.24 ng	36489	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	81
2	Pyrene	202	C16H10	000129-00-0	74
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	58
4	7H-Furo[3,2-g][1]benzopyran-7-on...	202	C11H6O4	000486-60-2	40
5	2,3-Dichlorobenzo[b]thiophene	202	C8H4Cl2S	1000298-87-9	9





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Acq On : 18 Jun 2021 20:43
Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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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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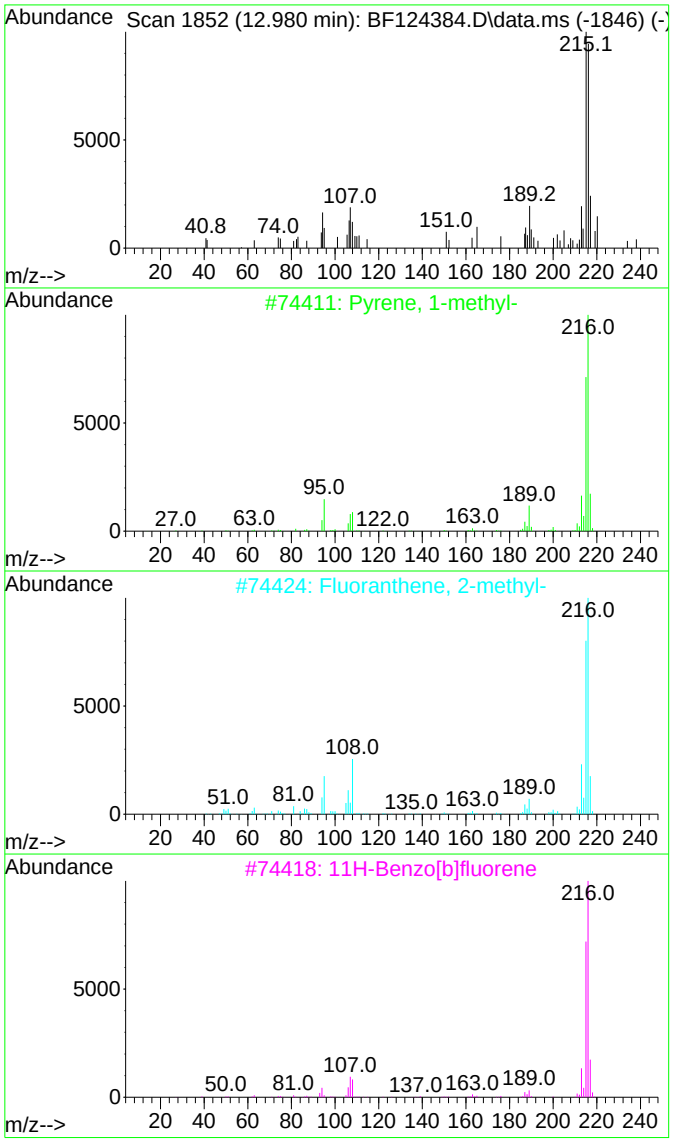
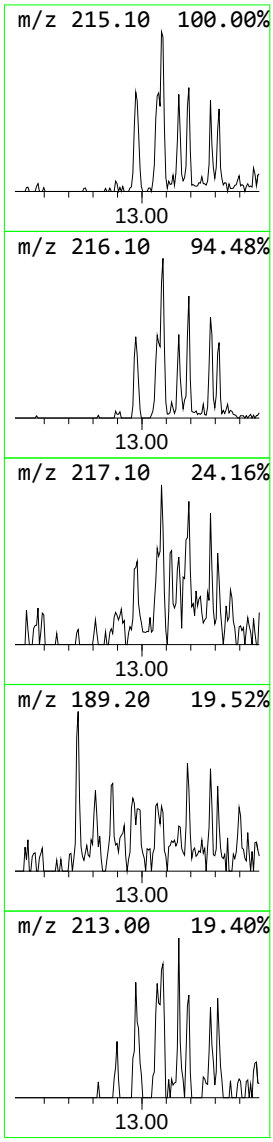
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	2.86 ng	90262	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	59
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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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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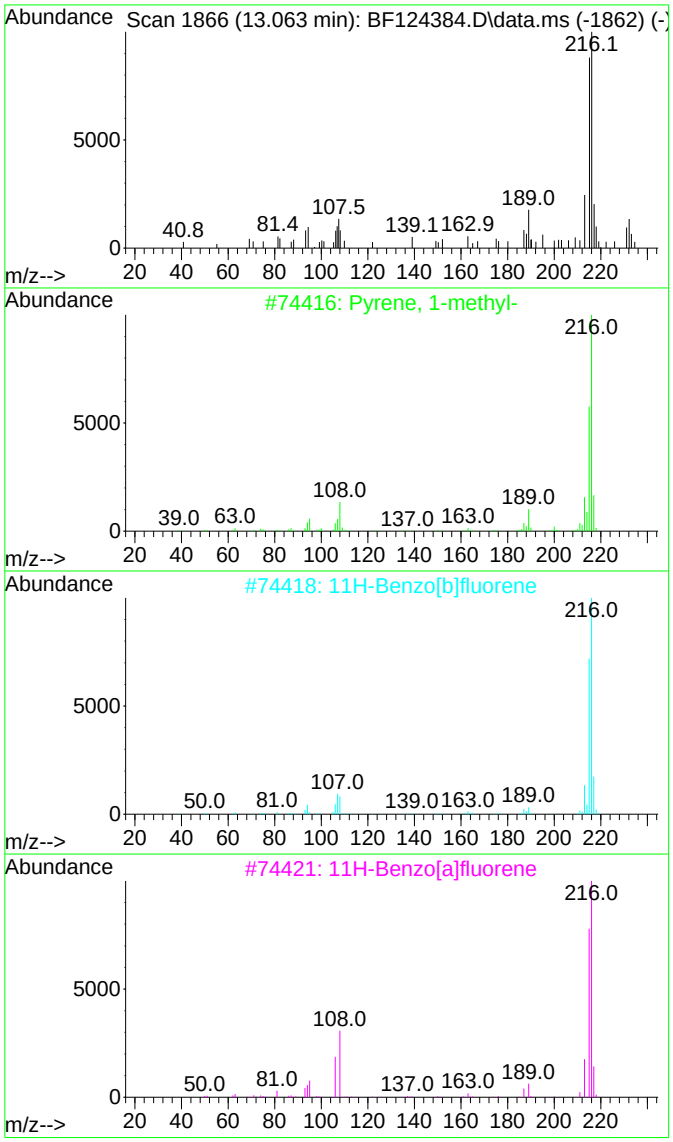
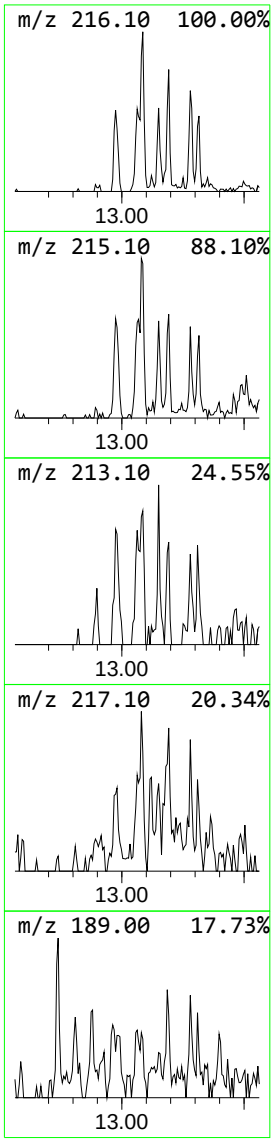
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	2.33 ng	73587	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58





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Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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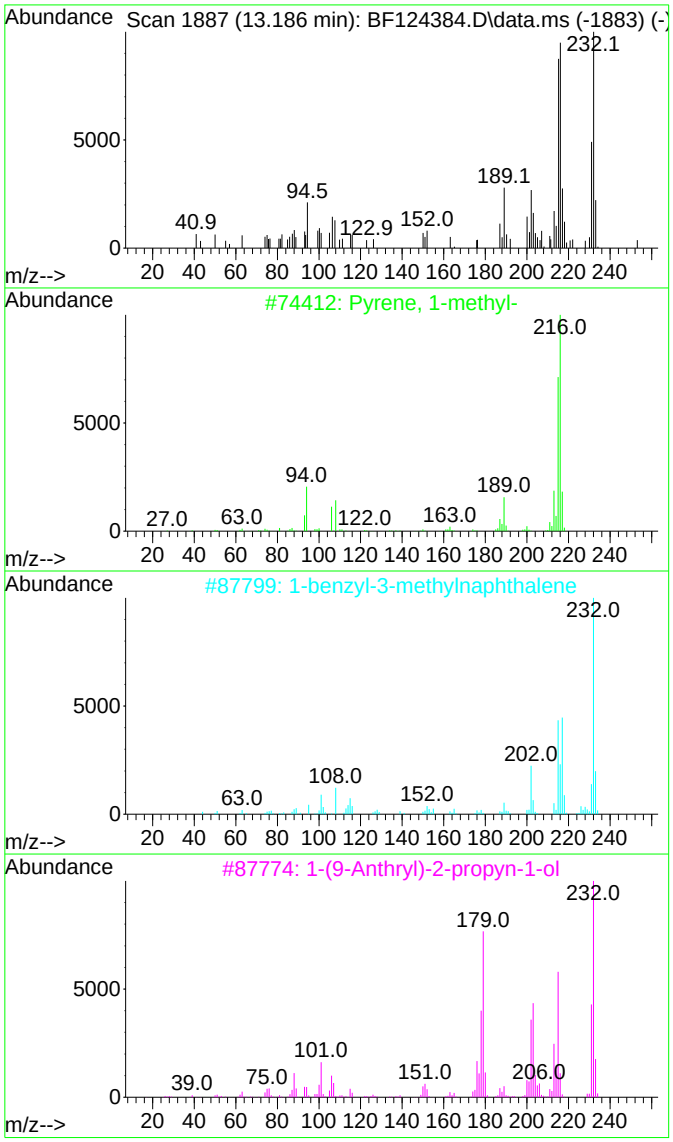
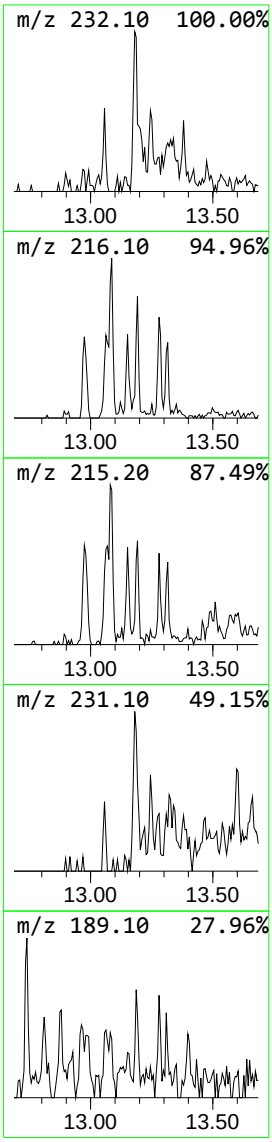
Peak Number 8 unknown13.186 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	3.18 ng	100365	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	55
2	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	43
3	1-(9-Anthryl)-2-propyn-1-ol	232	C17H12O	031067-61-5	41
4	1,2,3,4-Tetrahydrobenz[a]anthracene	232	C18H16	004483-98-1	38
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	38





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Acq On : 18 Jun 2021 20:43
Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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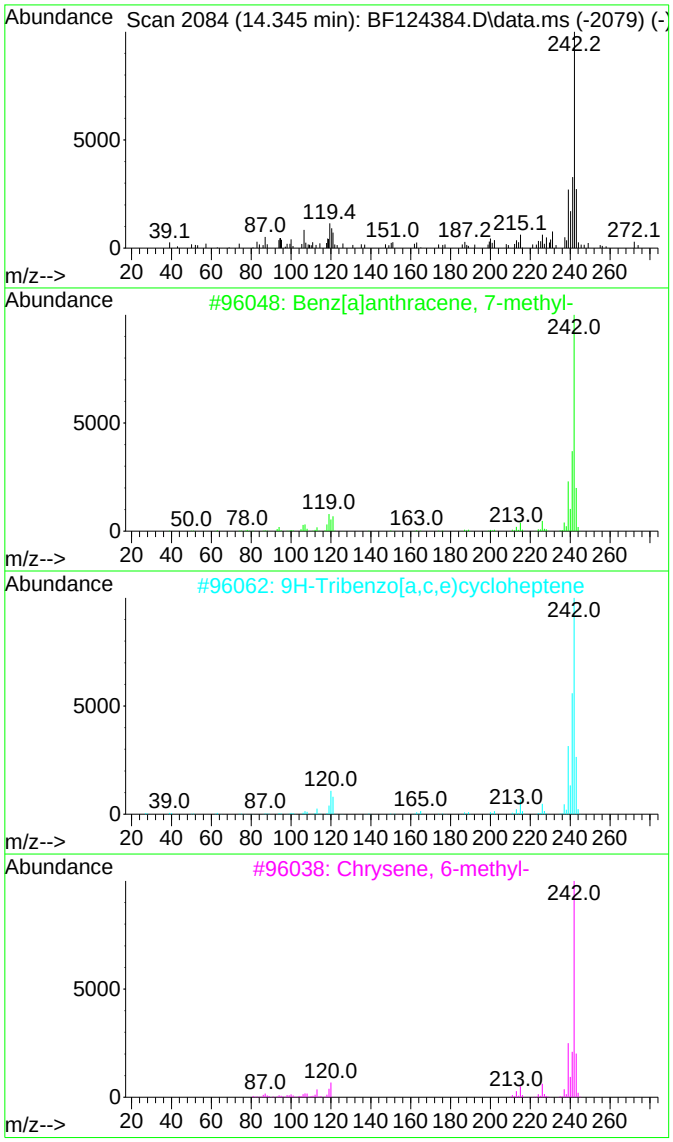
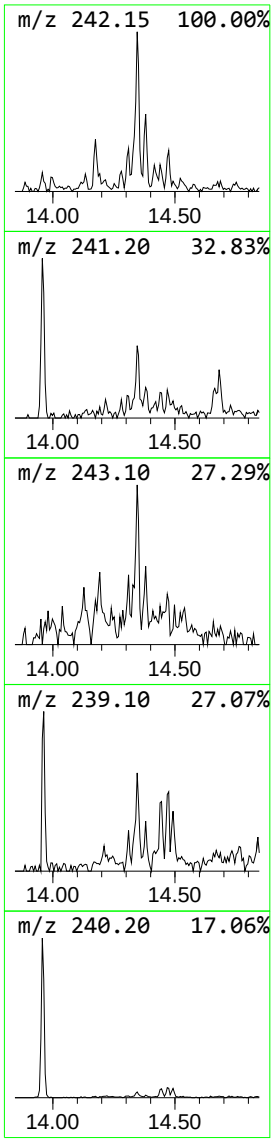
Peak Number 9 Benz[a]anthracene, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.345	3.89 ng	122680	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	9H-Tribenzo[a,c,e]cycloheptene	242	C19H14	000213-10-5	83
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81
4	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	76
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	76





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Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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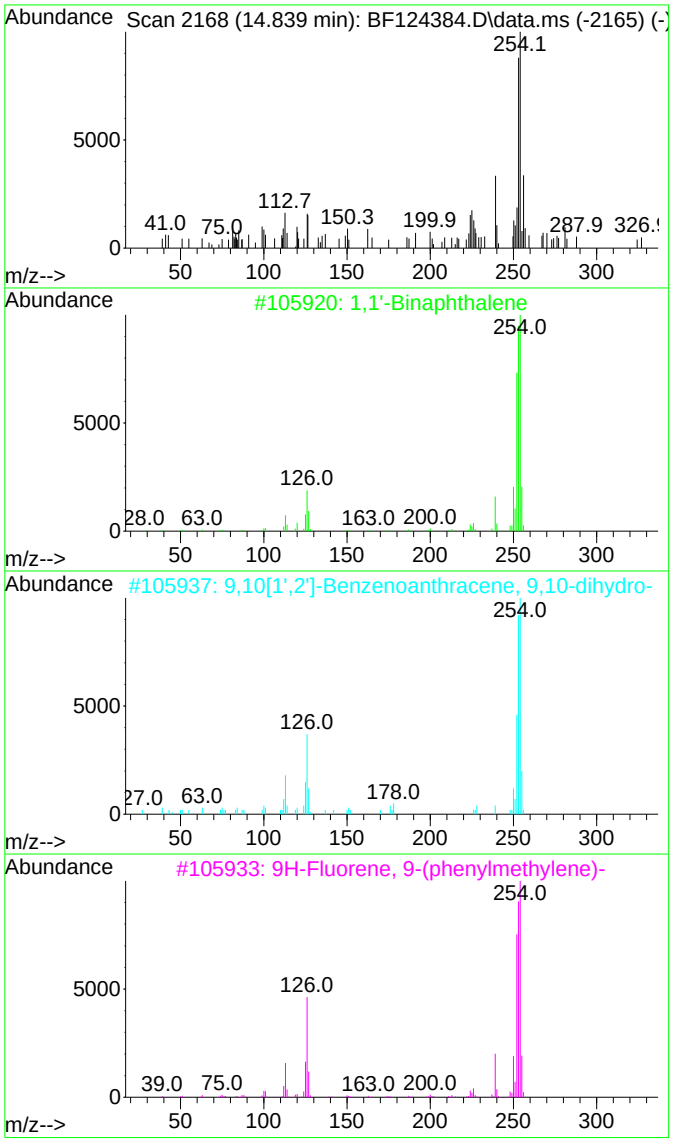
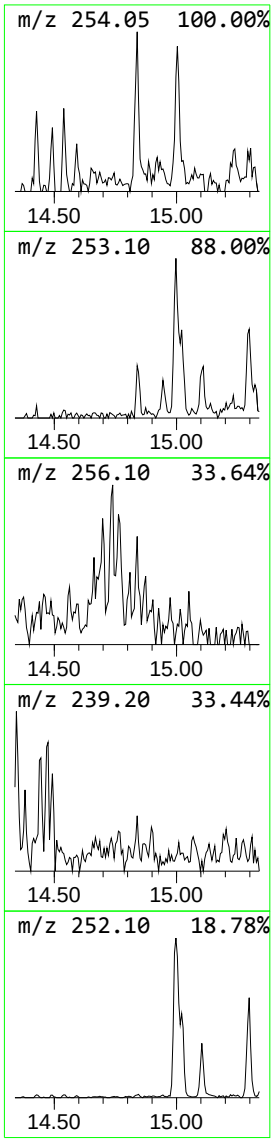
Peak Number 10 1,1'-Binaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.839	3.89 ng	53604	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	58





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Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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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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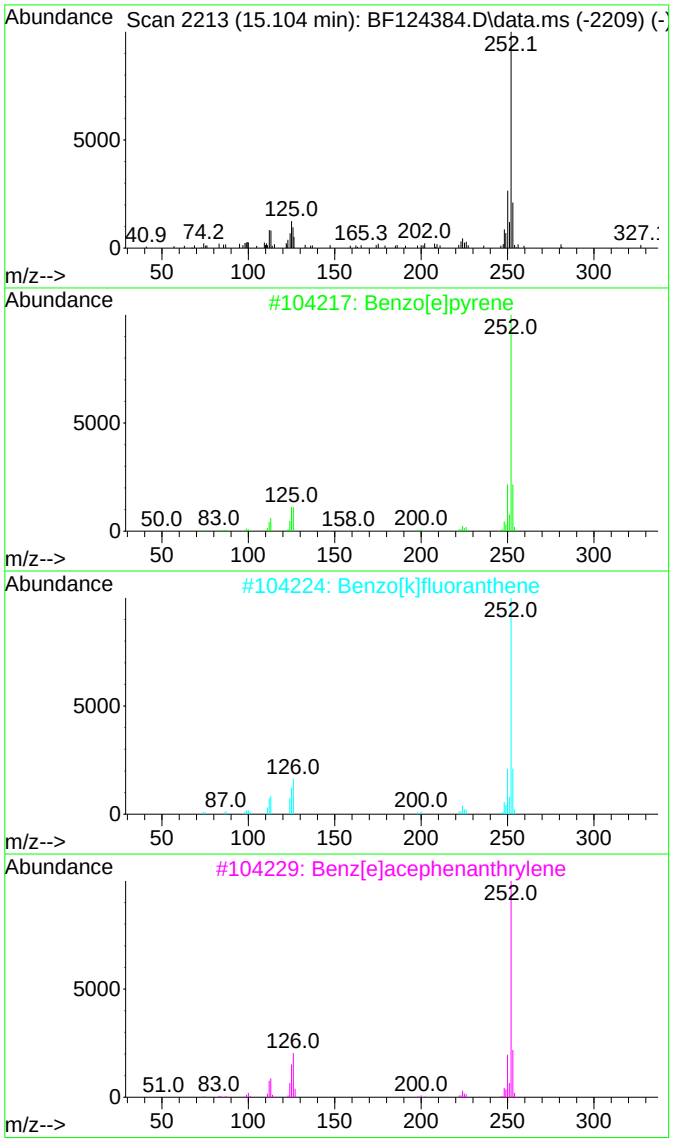
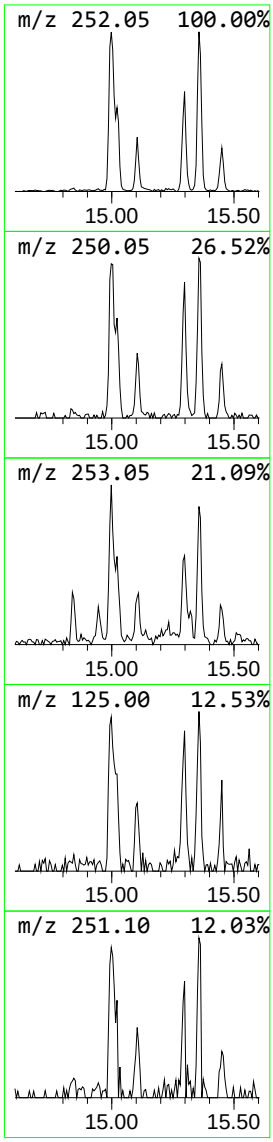
Peak Number 11 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	5.76 ng	79298	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

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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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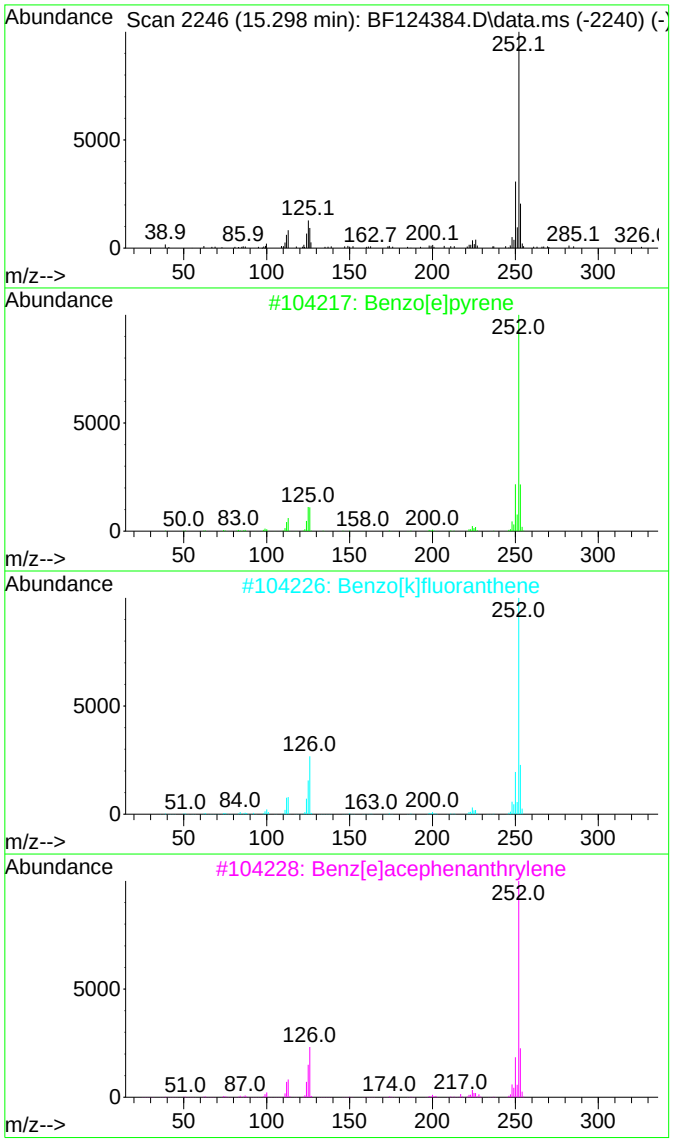
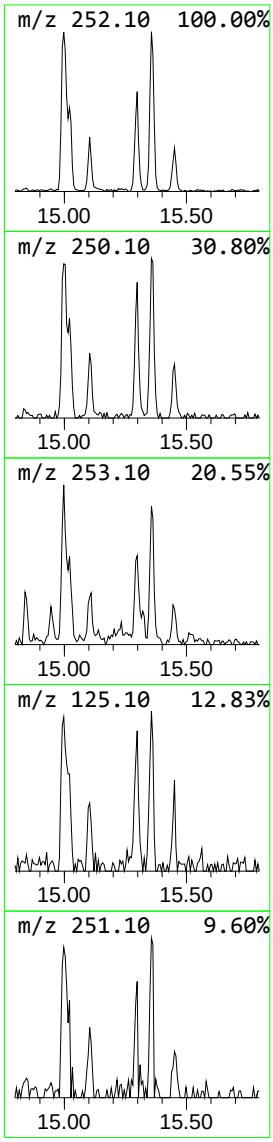
Peak Number 12 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	13.57 ng	186776	Perylene-d12	15.421

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	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





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Sample : M2749-06 5X
Misc :
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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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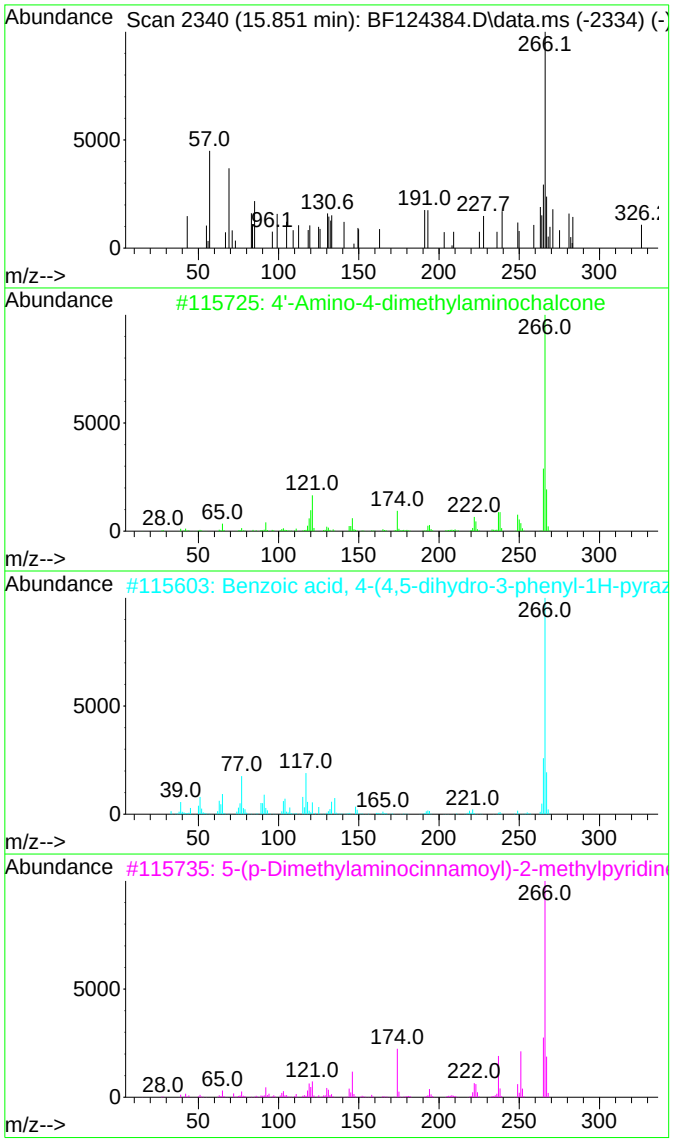
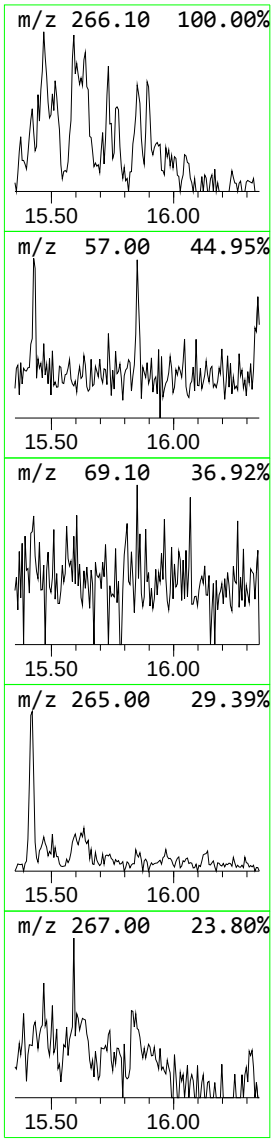
Peak Number 13 4'-Amino-4-dimethylaminocha... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.851	2.95 ng	40600	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	52
2	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	50
3	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	50
4	2,4,8,10-Tetramethylbenzo[1,2-b:...	266	C16H18N4	017377-04-7	47
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	47





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Sample : M2749-06 5X
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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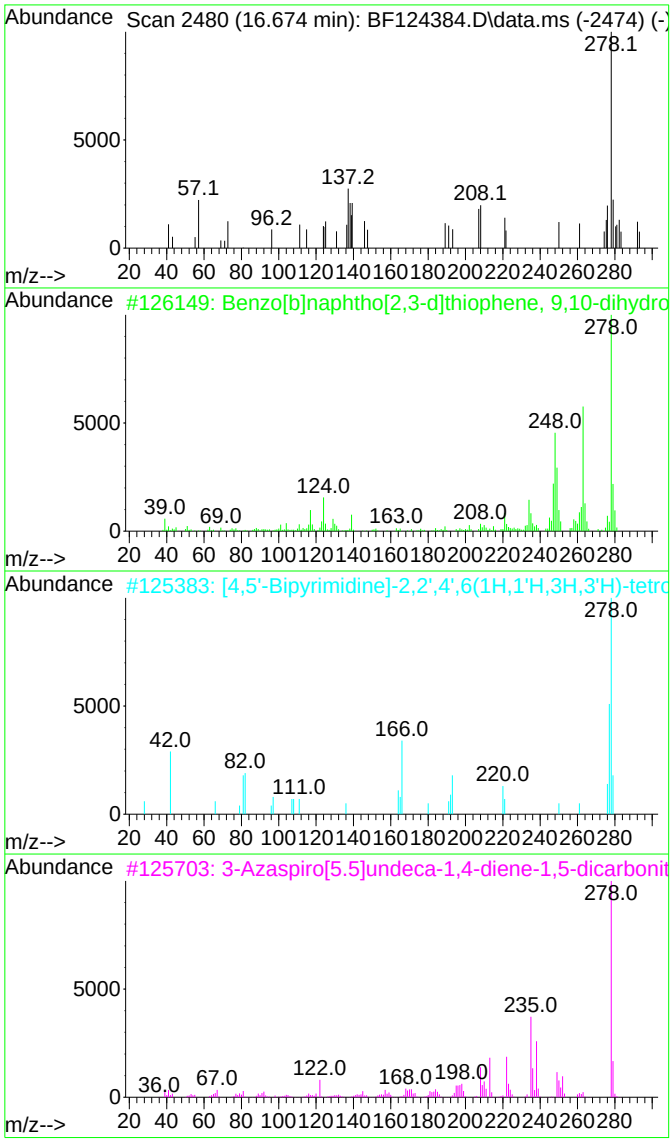
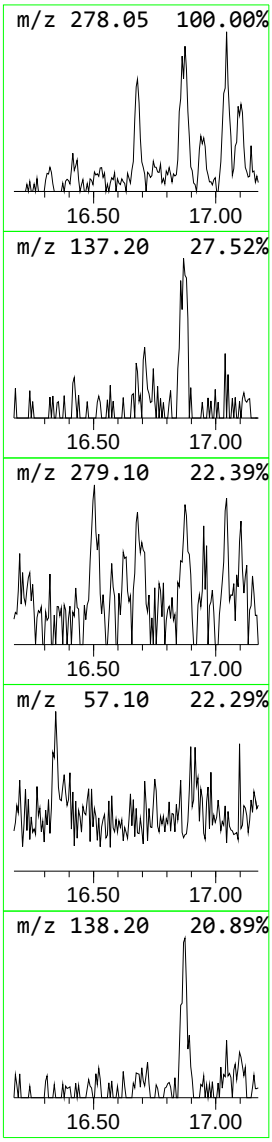
Peak Number 14 unknown16.674 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.674	2.10 ng	28844	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	278	C19H18S	024964-01-0	49
2	[4,5'-Bipyrimidine]-2,2',4',6(1H...	278	C12H14N4O4	062880-87-9	49
3	3-Azaspiro[5.5]undeca-1,4-diene-...	278	C15H14N6	1000303-13-2	47
4	Carbamic acid,(trimethylsilyl)[(...	293	C10H27NO3Si3	070726-27-1	46
5	Pentacene	278	C22H14	000135-48-8	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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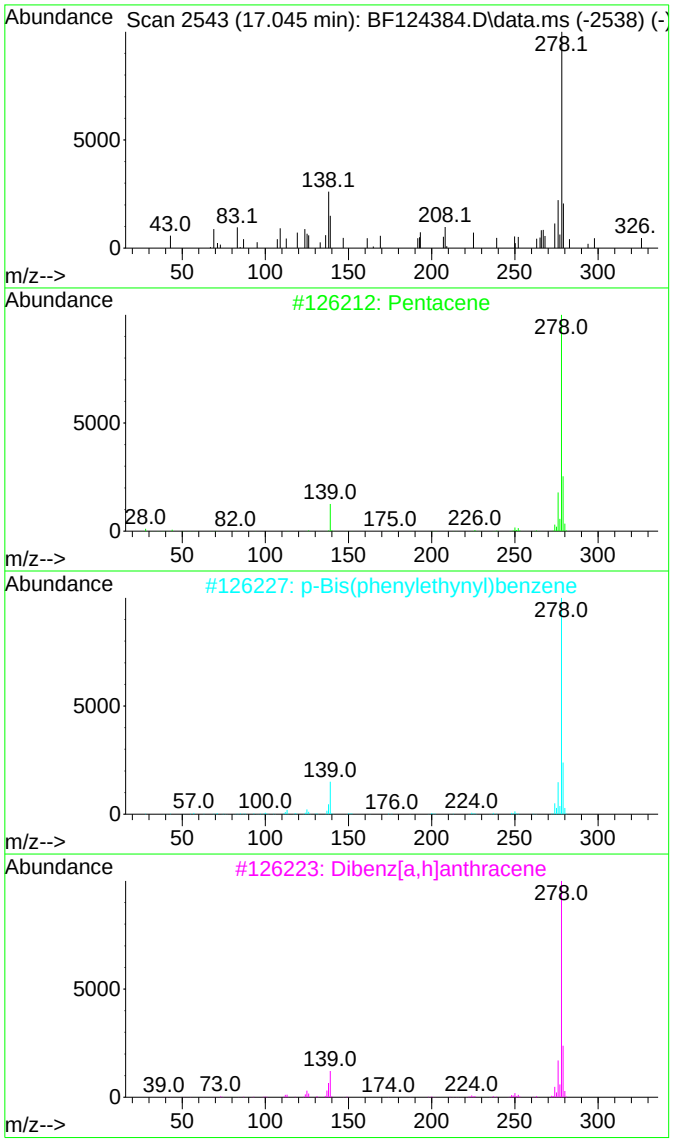
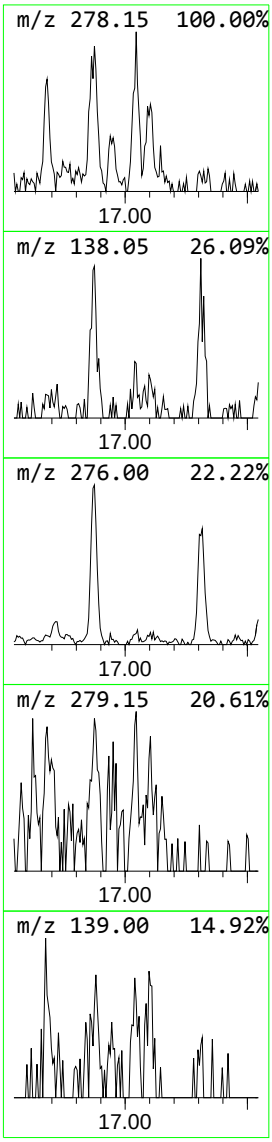
Peak Number 15 unknown17.045 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.045	2.63 ng	36150	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	49
2	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	47
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	47
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	47
5	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	47





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Sample : M2749-06 5X
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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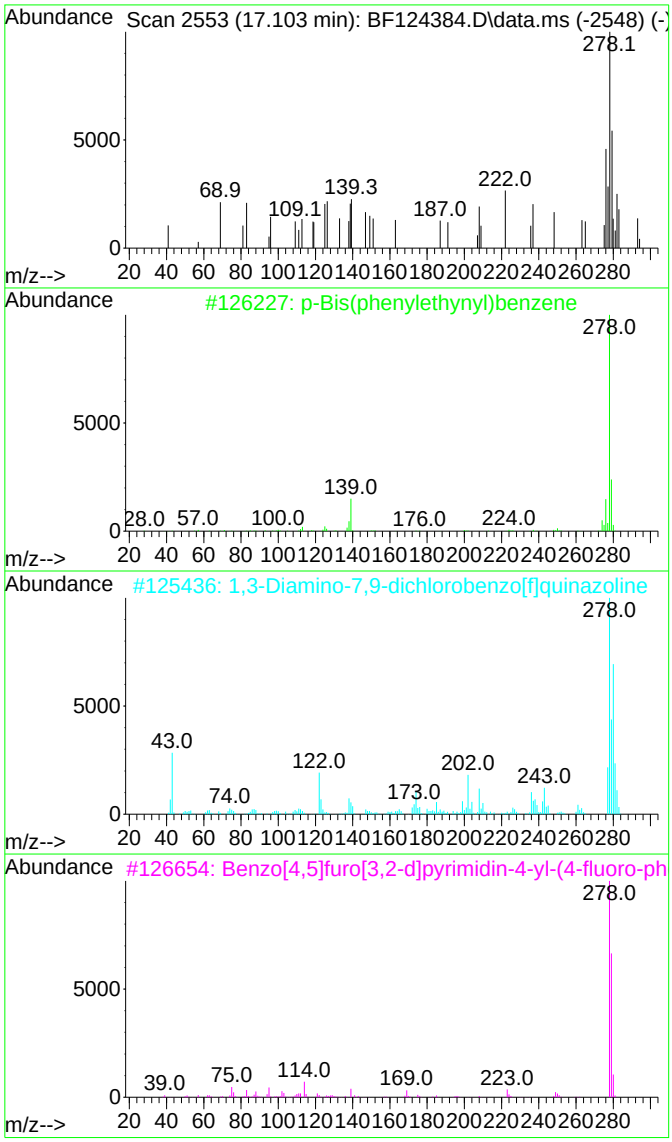
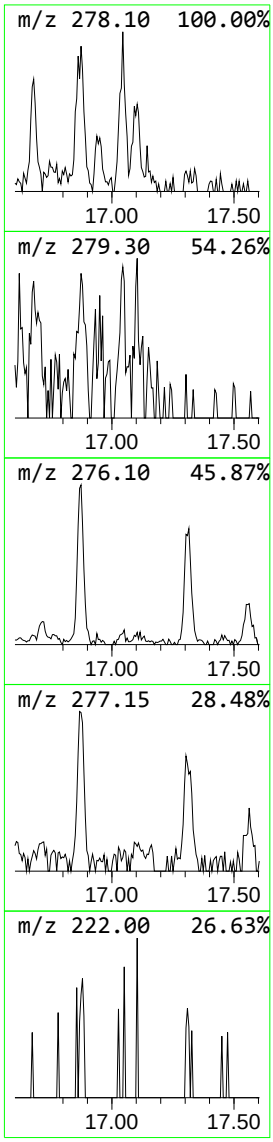
Peak Number 16 unknown17.104 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.104	2.14 ng	29422	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	35
2	1,3-Diamino-7,9-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-58-7	32
3	Benzo[4,5]furo[3,2-d]pyrimidin-4...	279	C16H10FN3O	1000294-28-0	27
4	1-Butaneboronic acid, cyclic dip...	278	C18H19BO2	024371-99-1	27
5	Pentacene	278	C22H14	000135-48-8	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

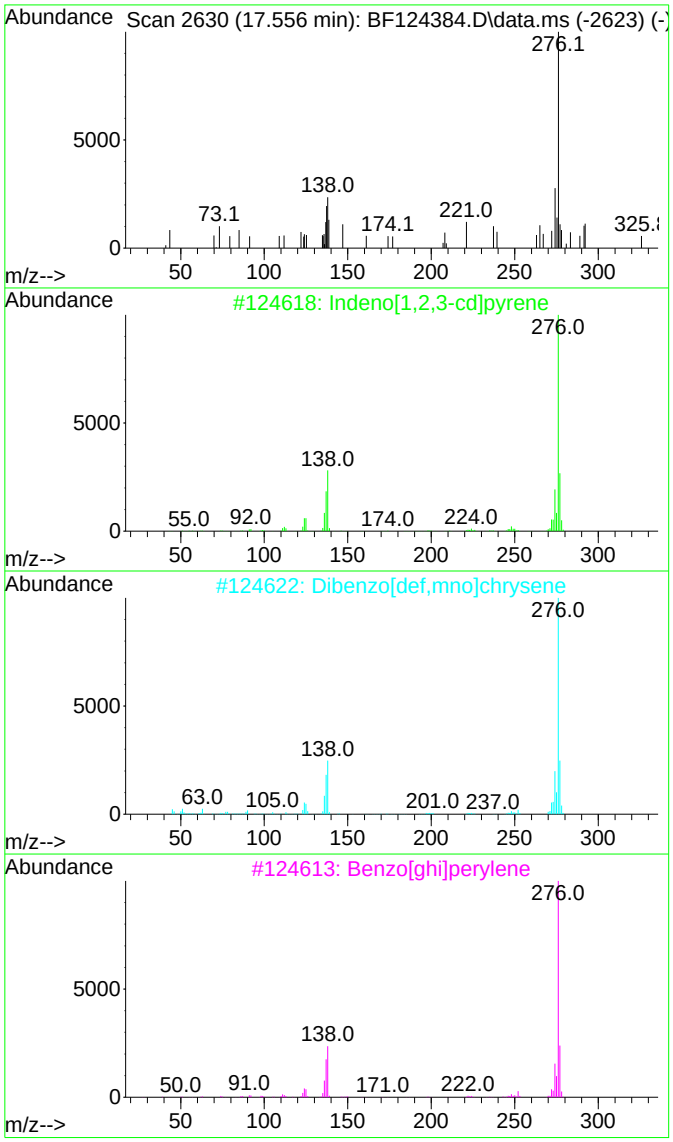
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

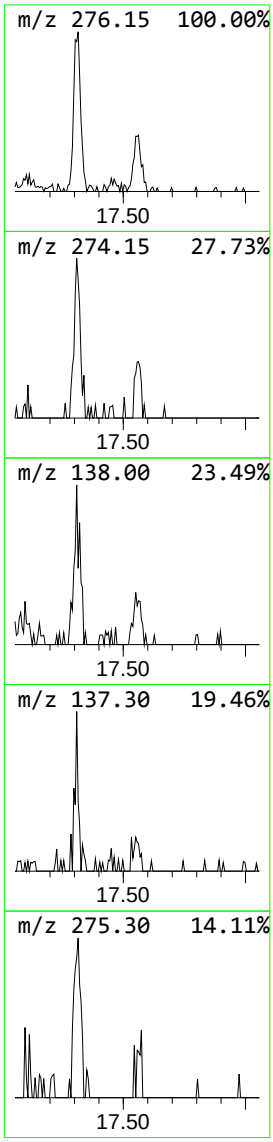
****

Peak Number 17 unknown17.556 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.556	3.09 ng	42471	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	49
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	49
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	47
4	Oxalic acid, diamide, N,N'-bis(4...	276	C14H10F2N2O2	1000309-42-9	46
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
Operator : JU/CG
Sample : M2749-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RF-01_3.5-4.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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
unknown11.921	11.921	3.1	ng	50822	4	11.310	325087	20.0
Phenanthrene, 2...	12.363	3.6	ng	57939	4	11.310	325087	20.0
unknown12.404	12.404	2.0	ng	32971	4	11.310	325087	20.0
Cyclopenta(def)...	12.457	3.4	ng	54408	4	11.310	325087	20.0
Benzene, 1,1'-(...	12.621	2.2	ng	36489	4	11.310	325087	20.0
Pyrene, 1-methyl-	12.980	2.9	ng	90262	5	13.957	630485	20.0
11H-Benzo[b]flu...	13.063	2.3	ng	73587	5	13.957	630485	20.0
unknown13.186	13.186	3.2	ng	100365	5	13.957	630485	20.0
Benz[a]anthrace...	14.345	3.9	ng	122680	5	13.957	630485	20.0
1,1'-Binaphthalene	14.839	3.9	ng	53604	6	15.421	275263	20.0
Benzo[e]pyrene	15.104	5.8	ng	79298	6	15.421	275263	20.0
Perylene	15.298	13.6	ng	186776	6	15.421	275263	20.0
4'-Amino-4-dime...	15.851	3.0	ng	40600	6	15.421	275263	20.0
unknown16.674	16.674	2.1	ng	28844	6	15.421	275263	20.0
unknown17.045	17.045	2.6	ng	36150	6	15.421	275263	20.0
unknown17.104	17.104	2.1	ng	29422	6	15.421	275263	20.0
unknown17.556	17.556	3.1	ng	42471	6	15.421	275263	20.0