LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB02

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133601.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	566	570	574	rBV	1664806	1672390	27.20%	1.799%
2	6.457	739	743	746	rBV	1770170	1688851	27.47%	1.817%
3	6.834	804	807	811	rBV	946512	755782	12.29%	0.813%
4	7.398	899	903	906	rVB	1199492	1023104	16.64%	1.101%
5	8.116	1022	1025	1028	rBV	1052392	949352	15.44%	1.021%
6	9.192	1205	1208	1212	rVB	2136008	1823994	29.67%	1.962%
7	9.534	1262	1266	1268	rBV	265687	232817	3.79%	0.250%
8	9.734	1297	1300	1304	rVB	449316	371456	6.04%	0.400%
9	9.875	1321	1324	1327	rVB	1051924	828492	13.48%	0.891%
10	9.910	1327	1330	1333	rVB	507679	434304	7.06%	0.467%
11	10.081	1355	1359	1362	rVV	427203	374313	6.09%	0.403%
12	10.422	1414	1417	1423	rVB	796027	714599	11.62%	0.769%
13	10.586	1441	1445	1453	rVV2	421668	502217	8.17%	0.540%
14	10.663	1453	1458	1462	rVV	1256872	1137165	18.50%	1.223%
15	10.975	1505	1511	1513	rBV2	280768	341325	5.55%	0.367%
16	11.210	1548	1551	1557	rVV4	148305	256517	4.17%	0.276%
17	11.263	1557	1560	1566	rVB	386733	366900	5.97%	0.395%
18	11.369	1574	1578	1579	rBV	765111	763521	12.42%	0.821%
19	11.398	1579	1583	1586	rVV	3989377	3969500	64.57%	4.270%
20	11.445	1588	1591	1593	rVV	1459765	1230190	20.01%	1.323%
21	11.592	1610	1616	1619	rBV	392973	426187	6.93%	0.458%
22	11.698	1630	1634	1637	rVB2	262681	246531	4.01%	0.265%
23	11.869	1657	1663	1665	rBV	1152340	1061084	17.26%	1.141%
24	11.898	1665	1668	1671	rVB	1647071	1390291	22.62%	1.495%
25	11.945	1672	1676	1679	rBV	568643	498480	8.11%	0.536%
26	11.980	1679	1682	1685	rVV	1565314	1820300	29.61%	1.958%
27	12.004	1685	1686	1690	rVB	787063	416476	6.77%	0.448%
28	12.163	1710	1713	1715	rVV	669495	592367	9.64%	0.637%
29	12.186	1715	1717	1724	rVB2	379255	435531	7.08%	0.468%
30	12.316	1736	1739	1741	rVV	352381	306396	4.98%	0.330%
31	12.345	1741	1744	1746	rVV	538151	448942	7.30%	0.483%
32	12.369	1746	1748	1751	rVB	418222	342323	5.57%	0.368%
33	12.422	1751	1757	1760	rBV	822448	951171	15.47%	1.023%
34	12.457	1760	1763	1765	rVV2	497448	589933	9.60%	0.635%
35	12.510	1769	1772	1776	rBV2	461504	570539	9.28%	0.614%
36	12.592	1781	1786	1789	rBV	4639930	5432936	88.37%	5.844%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.627	1789	1792	1794	rVV	220173	241411	3.93%	0.260%
38	12.675	1798	1800	1803	rVB	287458	269589	4.39%	0.290%
39	12.733	1803	1810	1814	rBV2	341800	599352	9.75%	0.645%
40	12.827	1819	1826	1829	rBV2	4108340	6147617	100.00%	6.613%
41	12.869	1829	1833	1836	rVB2	430634	563913	9.17%	0.607%
42	12.933	1836	1844	1845	rBV2	412172	585825	9.53%	0.630%
43	12.957	1845	1848	1855	rVB2	1542035	1830814	29.78%	1.969%
44	13.033	1855	1861	1864	rBV2	570621	989597	16.10%	1.064%
45	13.086	1868	1870	1872	rBV2	274263	223602	3.64%	0.241%
46	13.116	1872	1875	1877	rVV3	461600	579549	9.43%	0.623%
47	13.145	1877	1880	1883	rVB	1308900	1212003	19.72%	1.304%
48	13.186	1883	1887	1888	rBV3	181910	216615	3.52%	0.233%
49	13.210	1888	1891	1894	rVV	1145212	1077626	17.53%	1.159%
50	13.251	1894	1898	1900	rVV2	1442516	1628098	26.48%	1.751%
51	13.275	1900	1902	1905	rVV2	321617	378767	6.16%	0.407%
52	13.339	1910	1913	1916	rVV	784247	793226	12.90%	0.853%
53	13.369	1916	1918	1921	rVV	803169	814410	13.25%	0.876%
54	13.404	1921	1924	1928	rVB4	236270	298708	4.86%	0.321%
55	13.545	1946	1948	1950	rVV	286518	325910	5.30%	0.351%
56	13.569	1950	1952	1954	rVV	311052	312871	5.09%	0.337%
57	13.627	1959	1962	1964	rBV2	315047	393552	6.40%	0.423%
58	13.651	1964	1966	1971	rVB	594468	710027	11.55%	0.764%
59	13.716	1975	1977	1980	rVB	405201	328008	5.34%	0.353%
60	13.769	1980	1986	1988	rBV3	1100132	1584979	25.78%	1.705%
61	13.792	1988	1990	1992	rVB	459831	331727	5.40%	0.357%
62	13.816	1992	1994	1995	rBV	277421	218230	3.55%	0.235%
63	13.863	2000	2002	2005	rVB2	377396	317254	5.16%	0.341%
64	13.933	2011	2014	2016	rBV	207224	214307	3.49%	0.231%
65	14.010	2021	2027	2030	rVV2	2674114	4056062	65.98%	4.363%
66	14.051	2030	2034	2040	rVV	2813078	3474357	56.52%	3.737%
67	14.104	2040	2043	2045	rVV	755195	729156	11.86%	0.784%
68	14.127	2045	2047	2049	rVV	376176	340460	5.54%	0.366%
69	14.163	2049	2053	2054	rVV2	533488	677594	11.02%	0.729%
70	14.180	2054	2056	2059	rVV2	693681	789015	12.83%	0.849%
71	14.210	2059	2061	2063	rVV2	327725	258435	4.20%	0.278%
72	14.239	2063	2066	2070	rVV3	303635	559396	9.10%	0.602%
73	14.274	2070	2072	2074	rVB	269737	220558	3.59%	0.237%
74	14.333	2079	2082	2086	rBV3	318337	455638	7.41%	0.490%
75	14.369	2086	2088	2090	rBV	435108	415246	6.75%	0.447%
76	14.410	2090	2095	2098	rVV	1841893	2348833	38.21%	2.527%

LSC Area Percent Report

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Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB02

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.445	2098	2101	2103	rVV	1189566	1074094	17.47%	1.155%
78	14.474	2103	2106	2109	rVV2	457431	648648	10.55%	0.698%
79	14.504	2109	2111	2113	rVV	507840	432956	7.04%	0.466%
80	14.533	2113	2116	2118	rVV	683532	672635	10.94%	0.724%
81	14.557	2118	2120	2122	rVB3	506611	442163	7.19%	0.476%
82	14.657	2134	2137	2142	rVB3	346399	454220	7.39%	0.489%
83	14.704	2142	2145	2146	rBV2	229579	217717	3.54%	0.234%
84	14.739	2148	2151	2154	rVV2	551623	810411	13.18%	0.872%
85	14.798	2158	2161	2164	rVV	740916	674058	10.96%	0.725%
86	14.833	2164	2167	2171	rVB	821699	907084	14.76%	0.976%
87	14.910	2177	2180	2182	rBV	406084	459093	7.47%	0.494%
88	14.969	2187	2190	2194	rVB3	440204	518379	8.43%	0.558%
89	15.069	2201	2207	2210	rBV	1491039	2616138	42.56%	2.814%
90	15.169	2222	2224	2228	rVB2	357096	399829	6.50%	0.430%
91	15.374	2254	2259	2264	rVB	1465351	2084013	33.90%	2.242%
92	15.445	2265	2271	2275	rVB	1833936	2658431	43.24%	2.860%
93	15.498	2277	2280	2282	rBV	206753	222416	3.62%	0.239%
94	15.527	2282	2285	2292	rVV3	449787	802847	13.06%	0.864%
95	15.821	2331	2335	2338	rBV2	444150	630787	10.26%	0.679%
96	15.863	2338	2342	2349	rVB2	736247	1031880	16.79%	1.110%
97	15.939	2350	2355	2359	rBV2	407509	878304	14.29%	0.945%
98	15.986	2360	2363	2367	rBV	206464	319169	5.19%	0.343%
99	16.068	2374	2377	2381	rBV3	277652	328522	5.34%	0.353%
100	16.980	2528	2532	2542	rVB2	549080	1204146	19.59%	1.295%

Sum of corrected areas: 92966553

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
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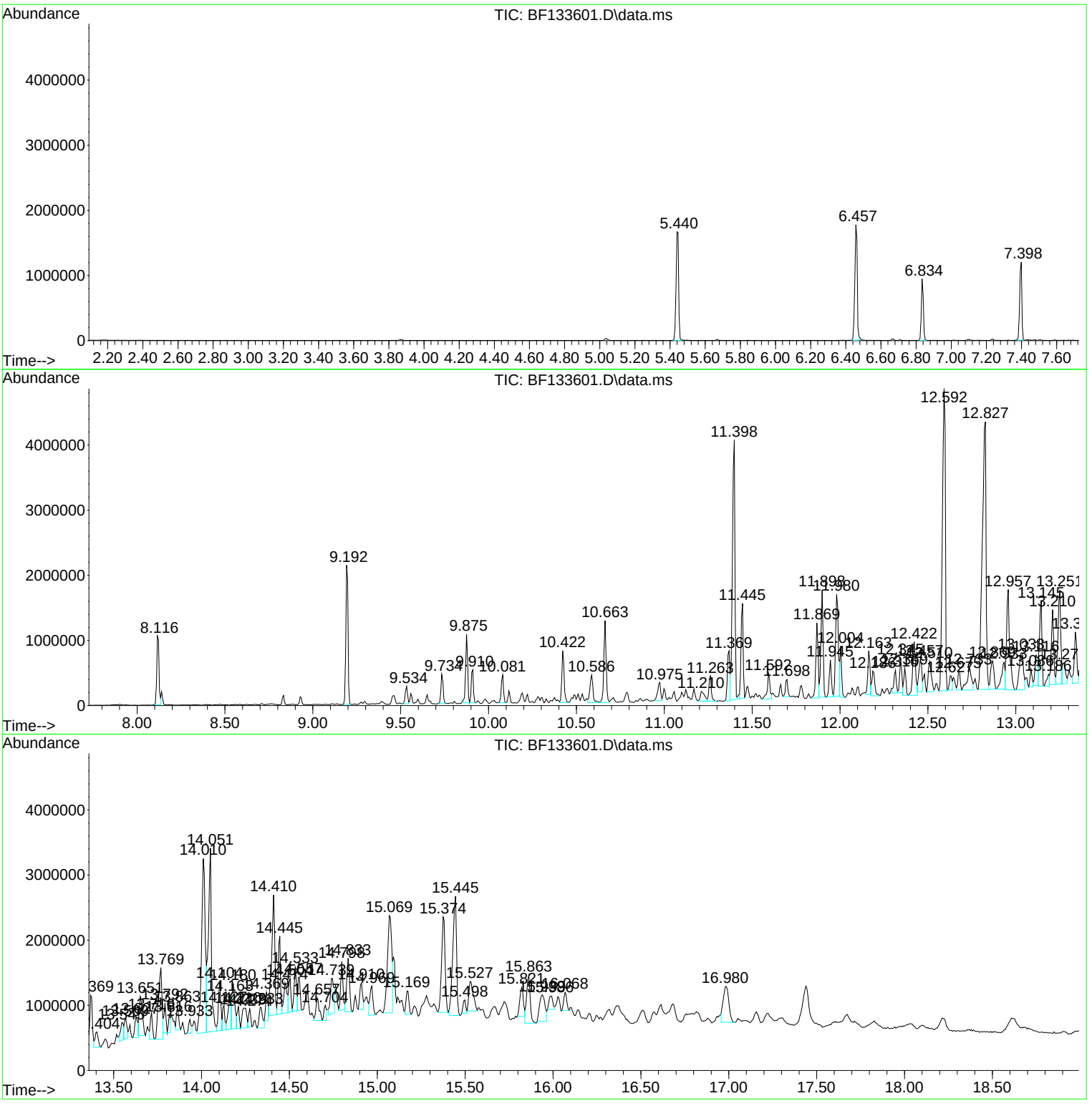
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

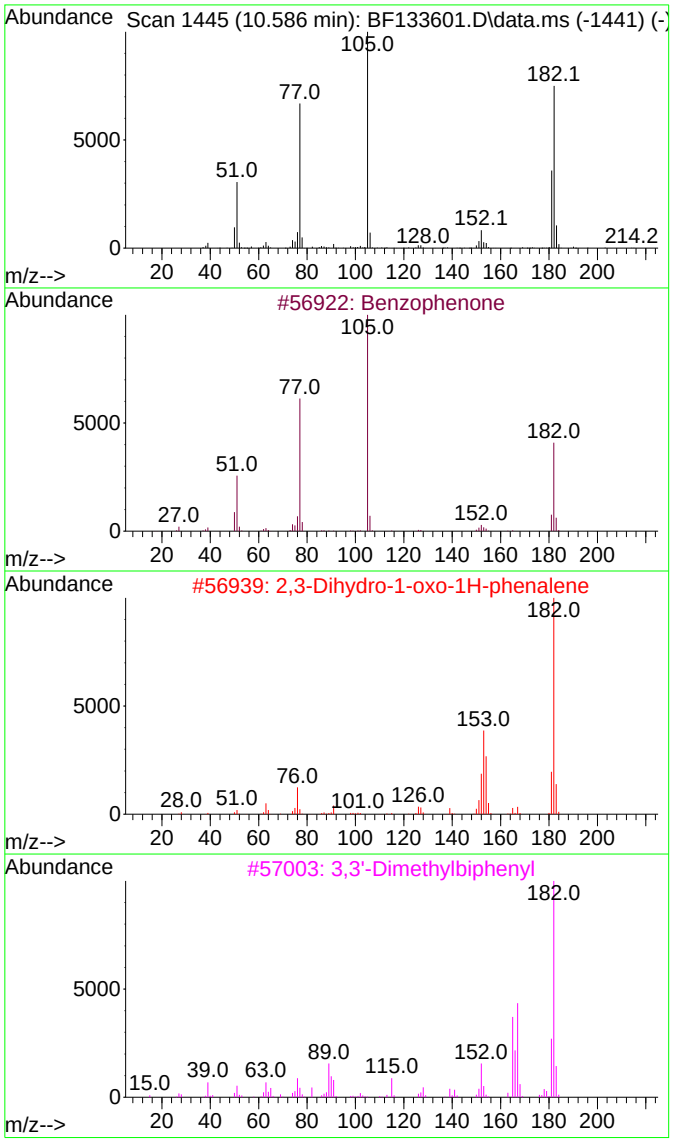
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

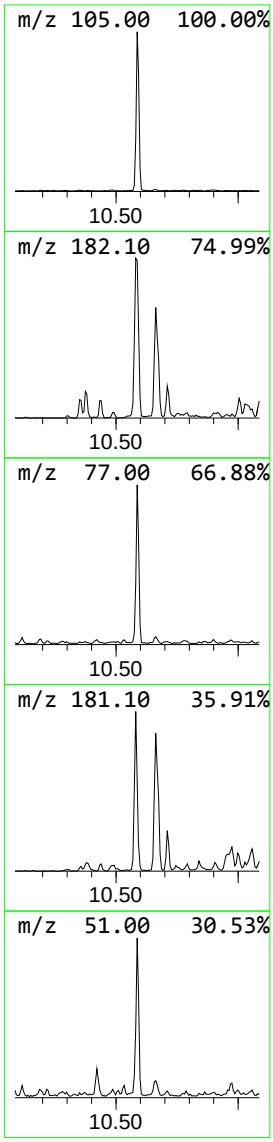
****

Peak Number 1 Benzophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.586	12.12 ng	502217	Acenaphthene-d10	9.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	43
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38
4	Benzoylformic acid	150	C8H6O3	000611-73-4	38
5	3,5-Dimethoxybenzoic acid	182	C9H10O4	001132-21-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
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ALS Vial : 17 Sample Multiplier: 1

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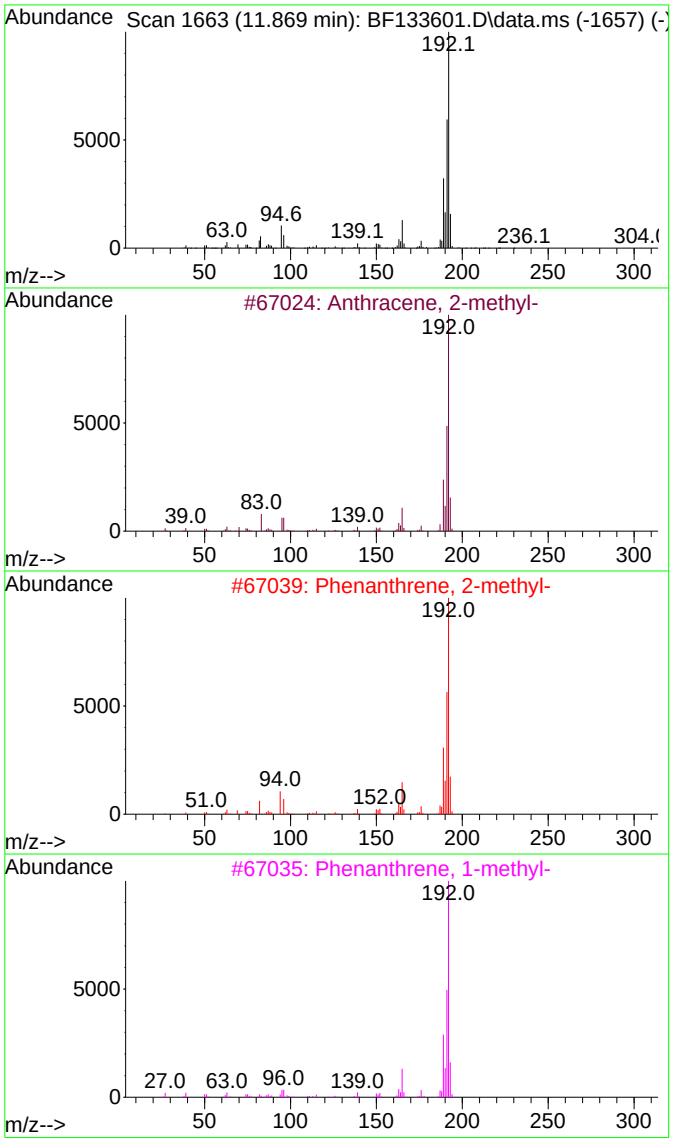
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

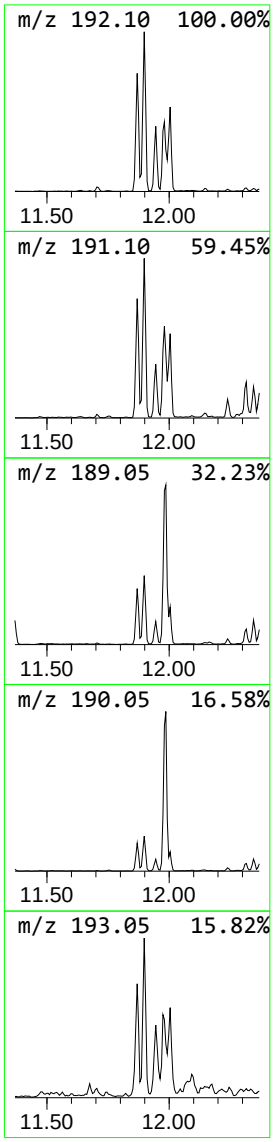
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	27.79 ng	1061080	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
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Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

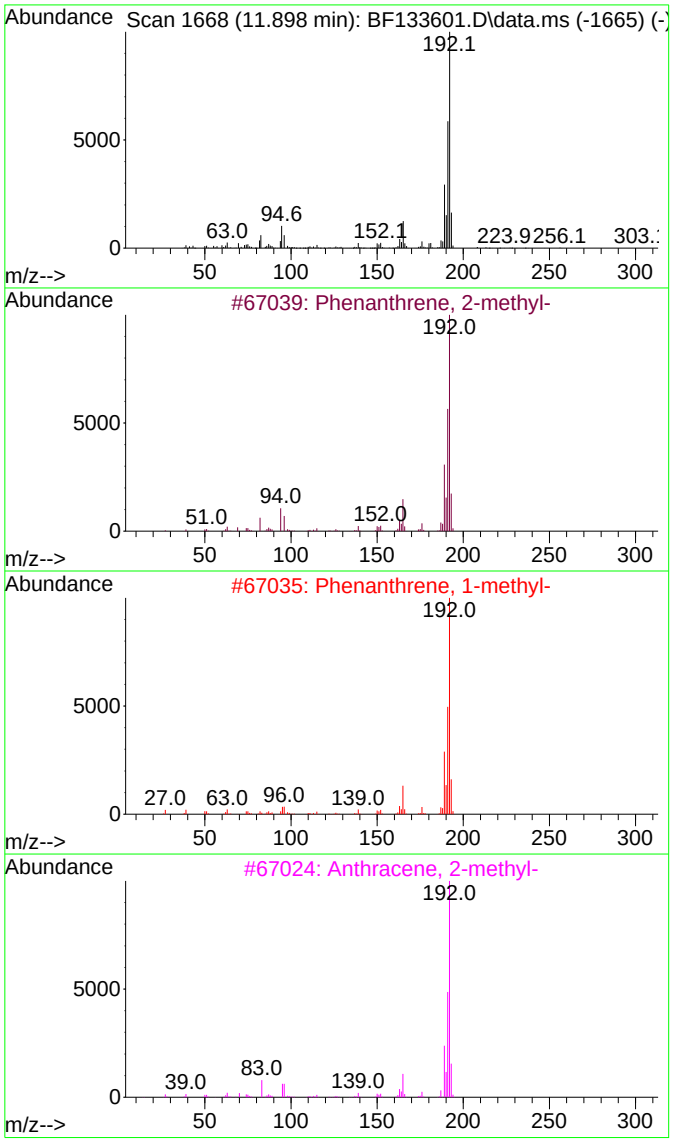
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

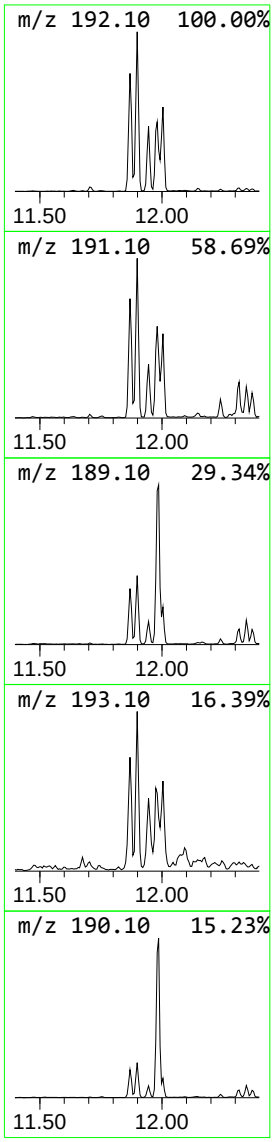
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	36.42 ng	1390290	Phenanthrene-d10	11.369

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

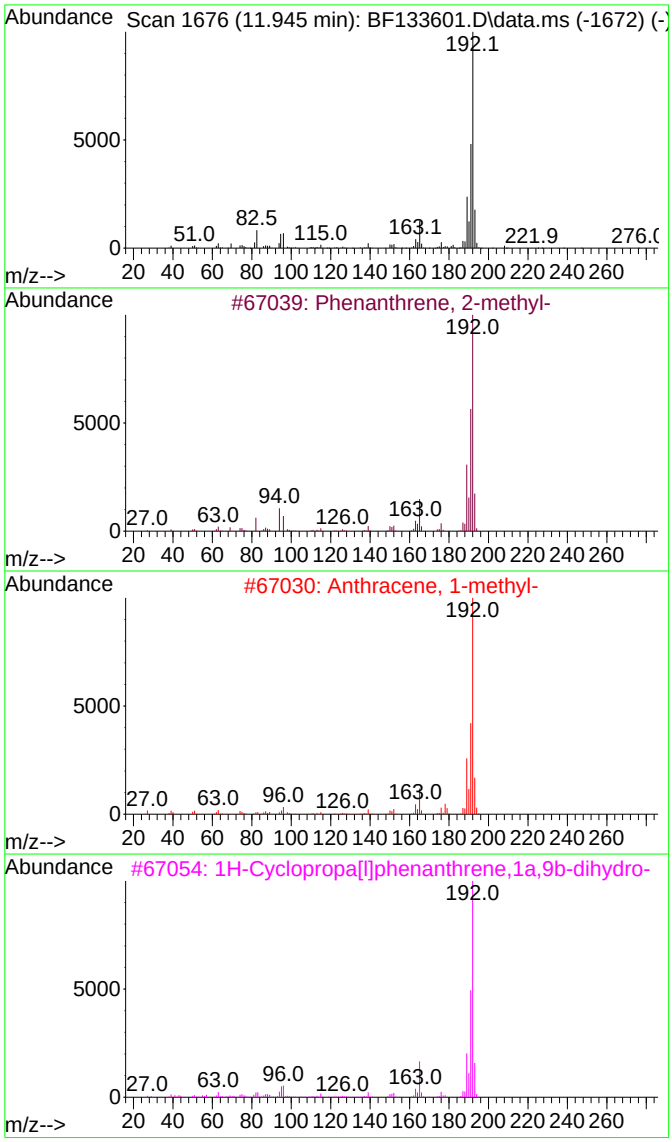
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

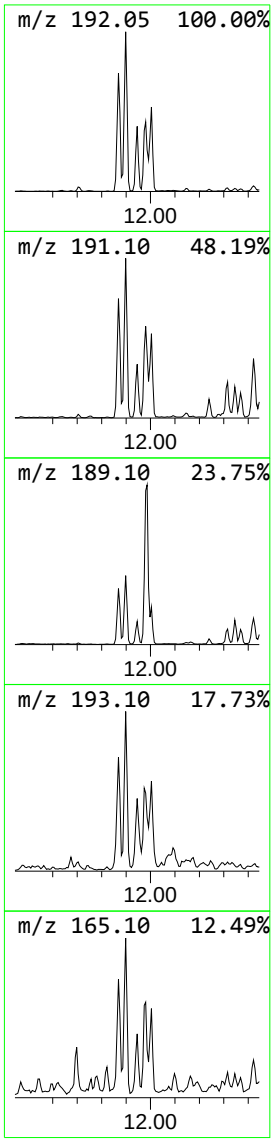
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	13.06 ng	498480	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

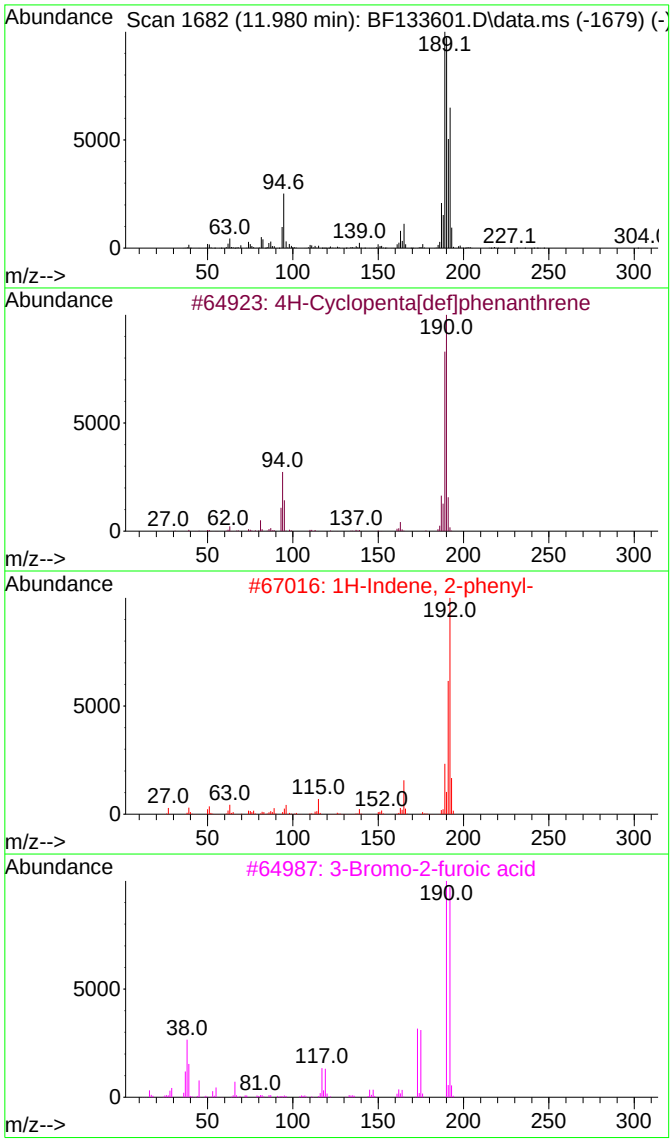
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

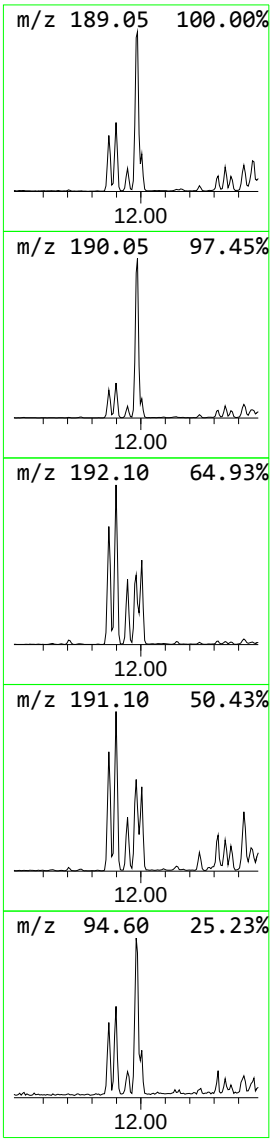
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	47.68 ng	1820300	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
3	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 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\NIST20.L
TIC Integration Parameters: LSCINT.P

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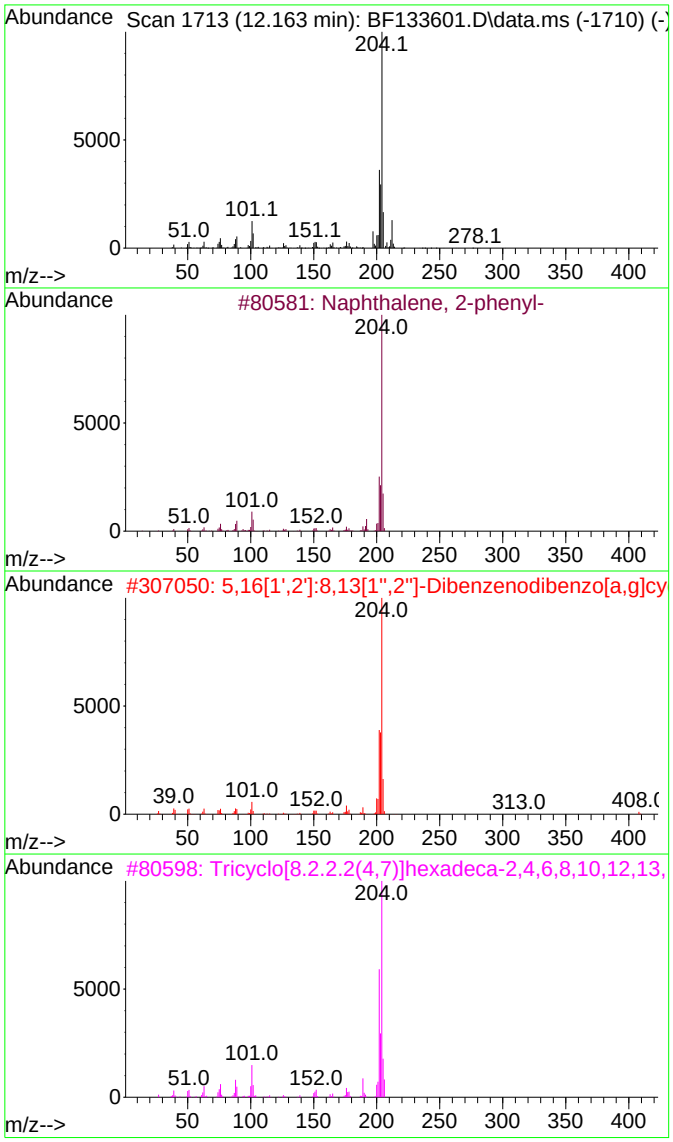
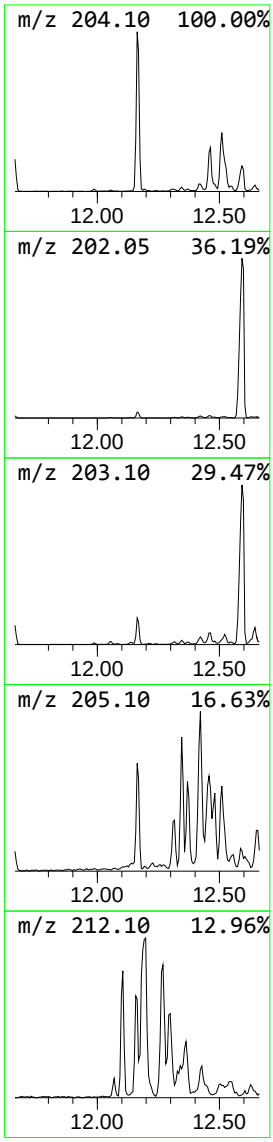
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	15.52 ng	592367	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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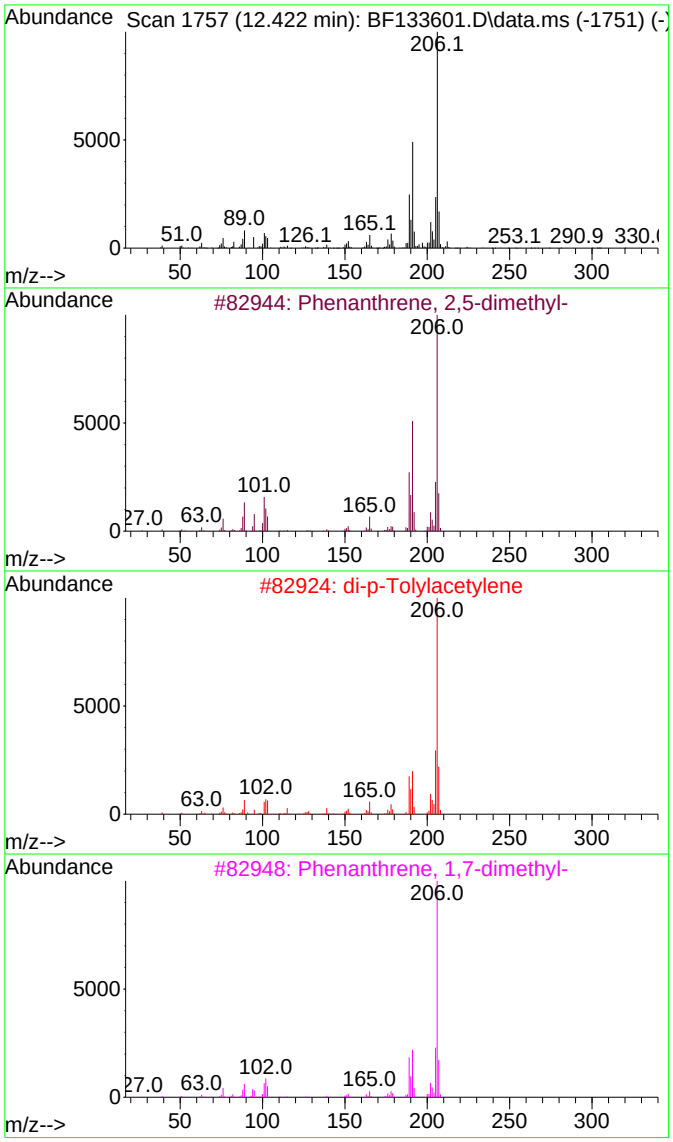
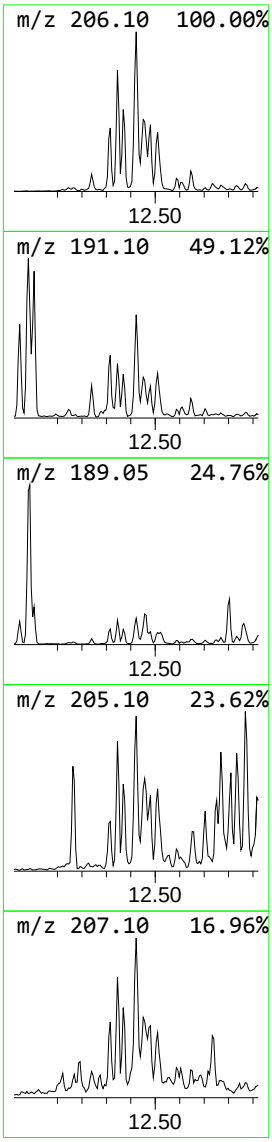
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	24.92 ng	951171	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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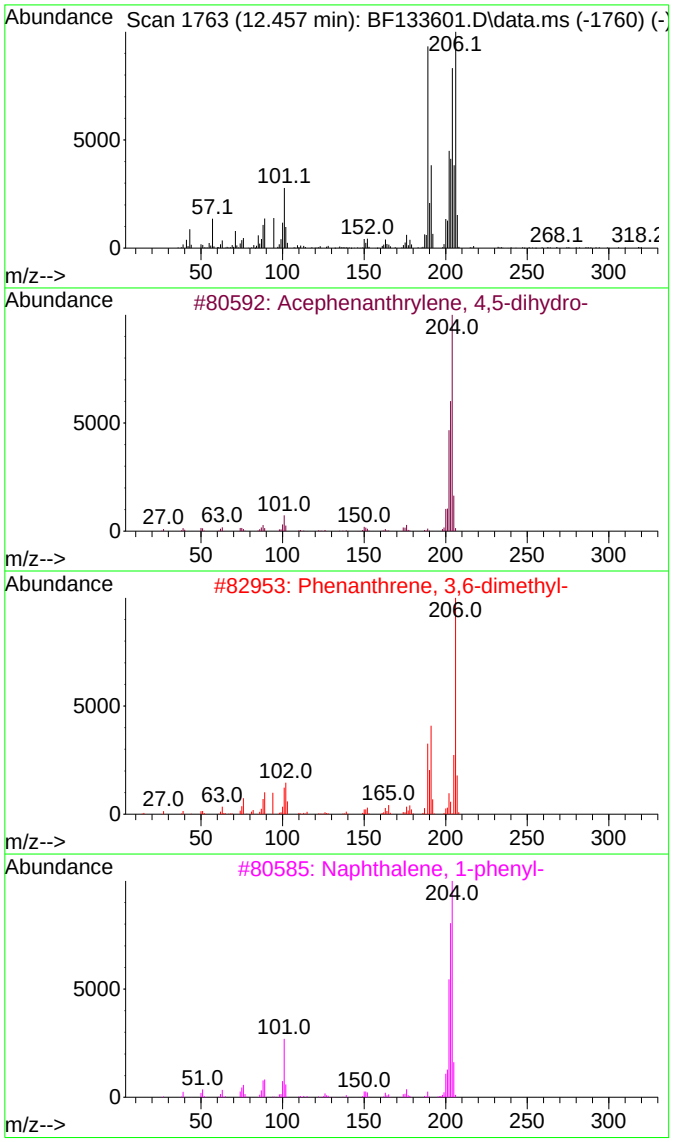
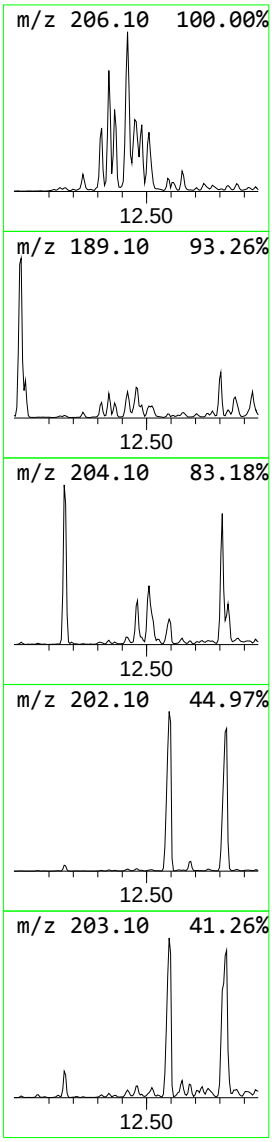
Peak Number 8 unknown12.457 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	15.45 ng	589933	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	41
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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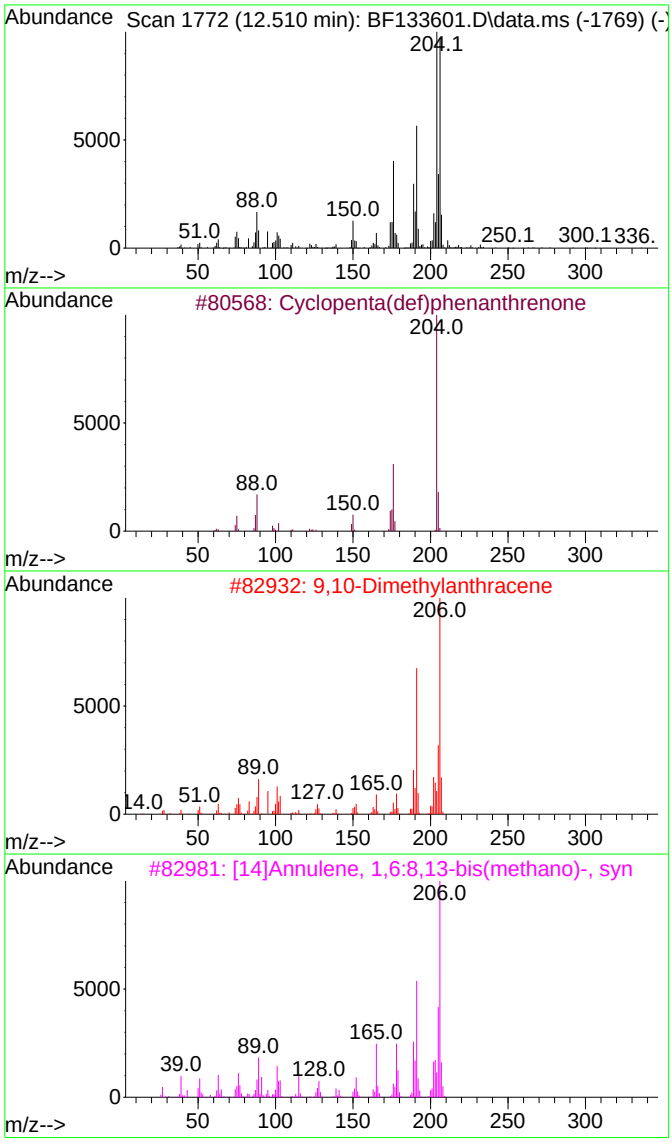
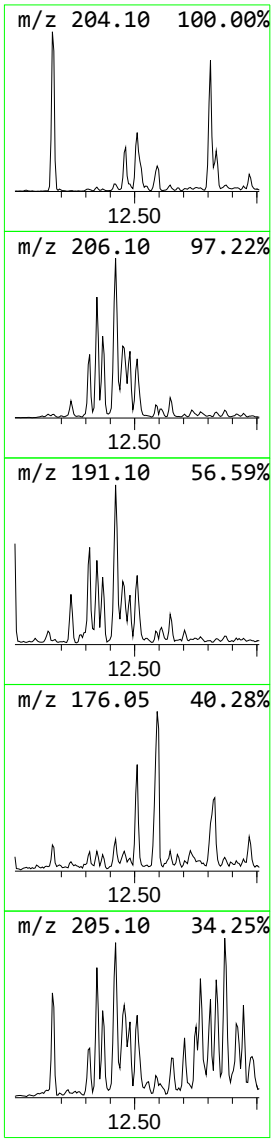
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	14.94 ng	570539	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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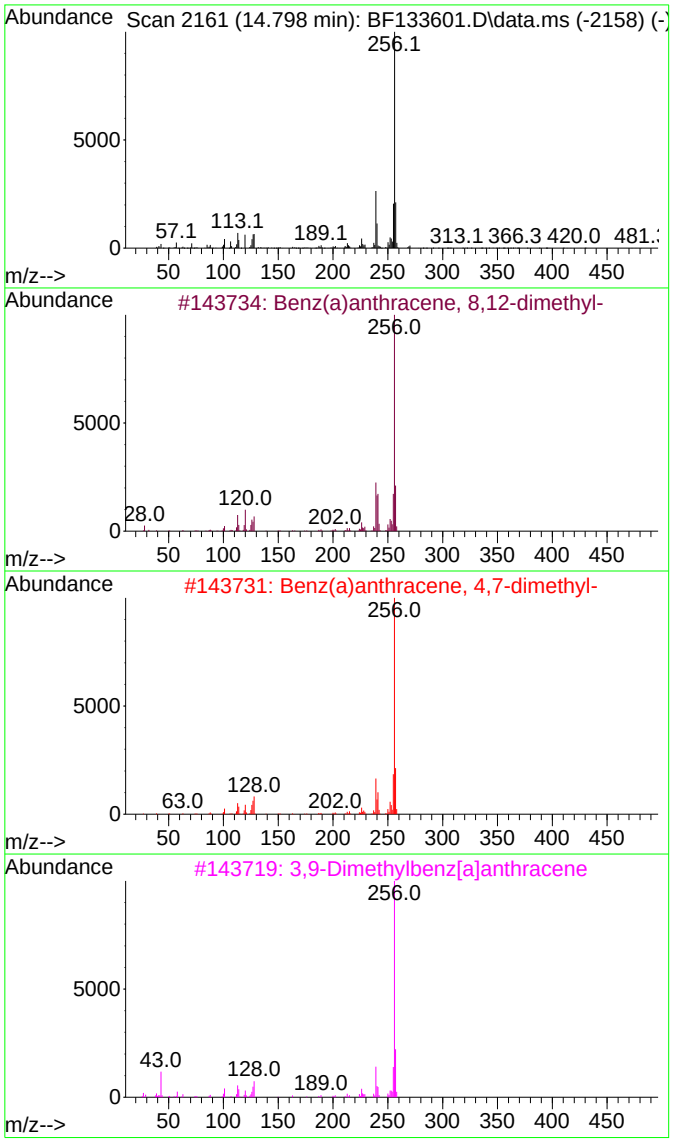
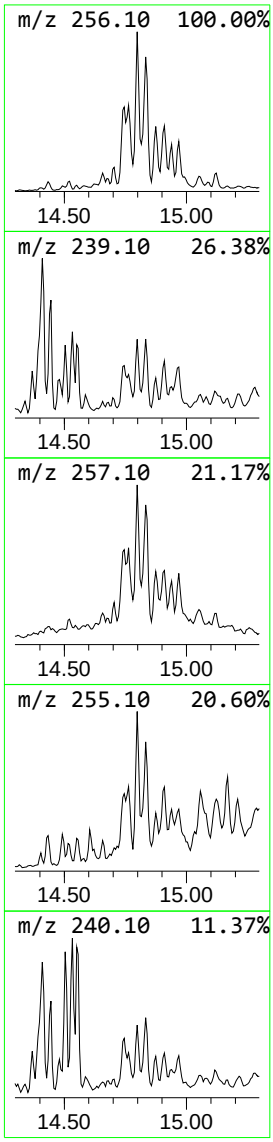
Peak Number 10 Benz(a)anthracene, 8,12-dim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	60.61 ng	674058	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	97
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	97
3	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	93
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
5	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	91





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Sample : 03002-08
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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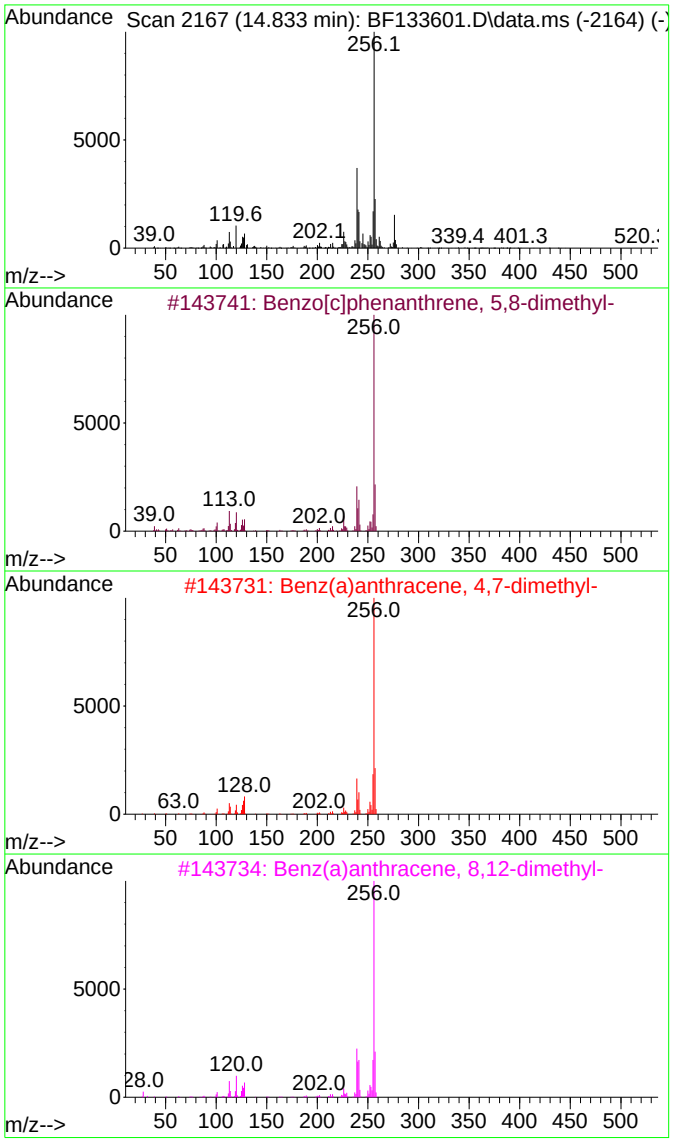
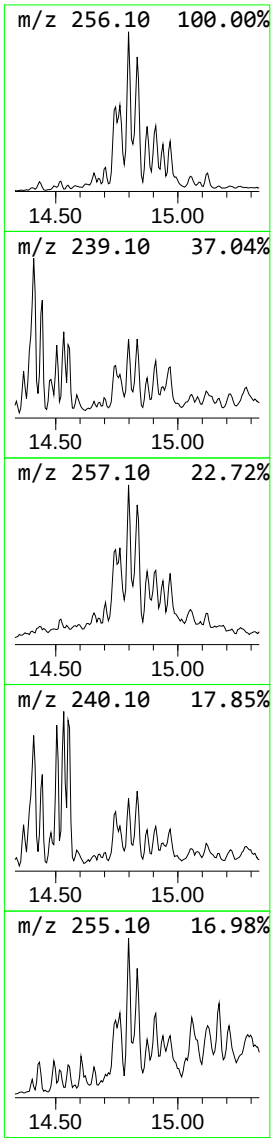
Peak Number 11 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	81.57 ng	907084	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	96
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	96
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	94
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	91
5	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	91





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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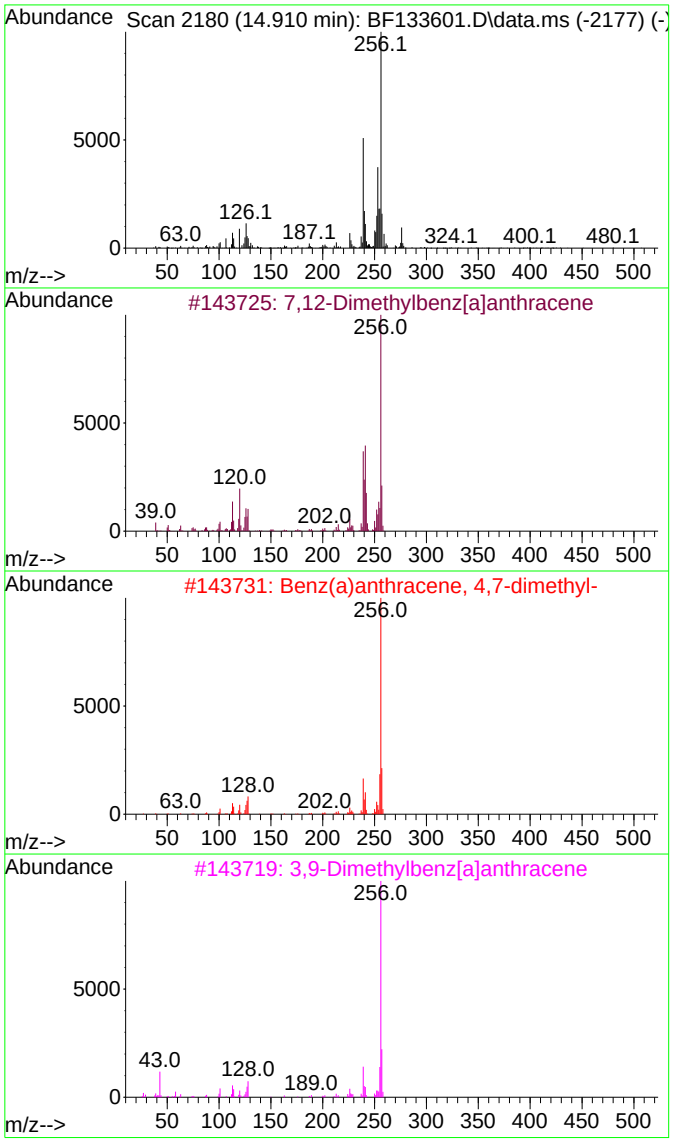
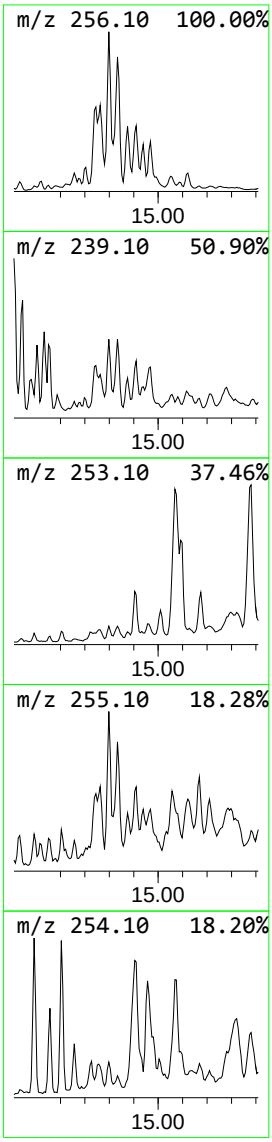
Peak Number 12 7,12-Dimethylbenz[a]anthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.910	41.28 ng	459093	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	64
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	53
3	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	52
4	4-[4-Amidoximinophnoxy]benzaldehyde	256	C14H12N2O3	1000212-42-7	50
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	47





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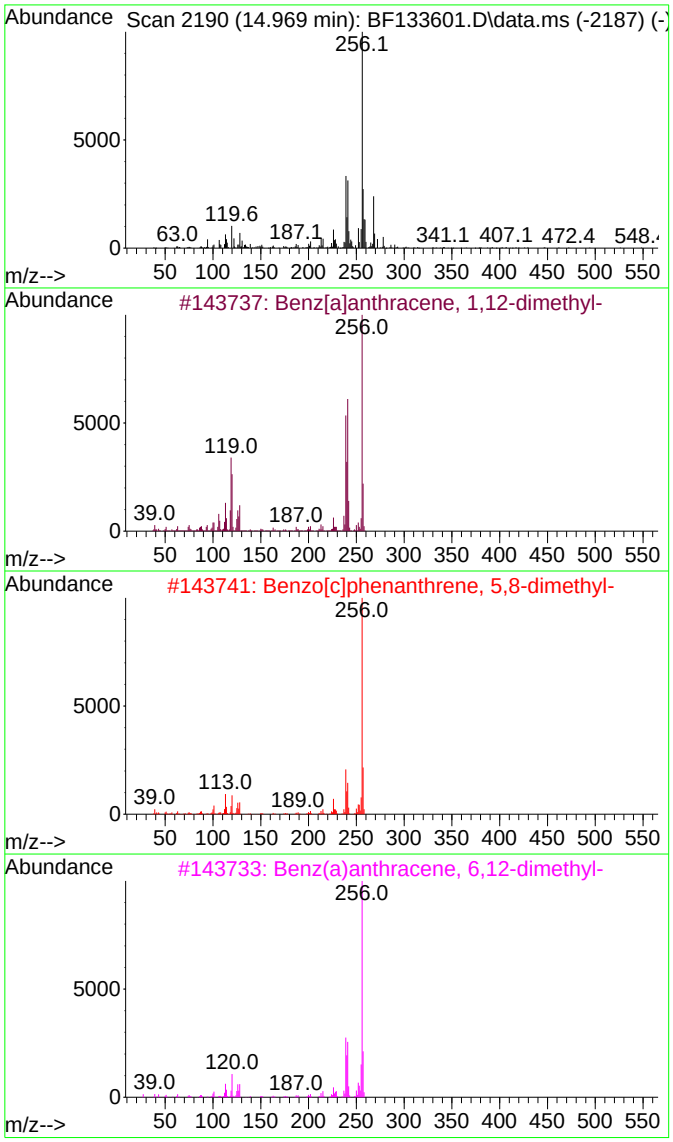
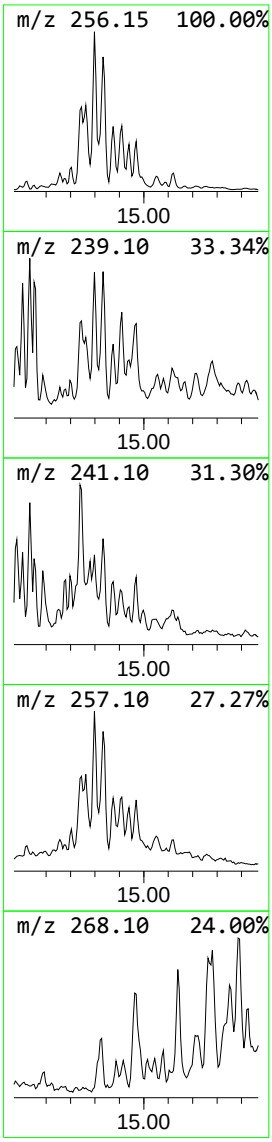
Peak Number 13 Benz[a]anthracene, 1,12-dim... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.969	46.61 ng	518379	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	76
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	76
3	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	70
4	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	64
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	64





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ClientSampleId :
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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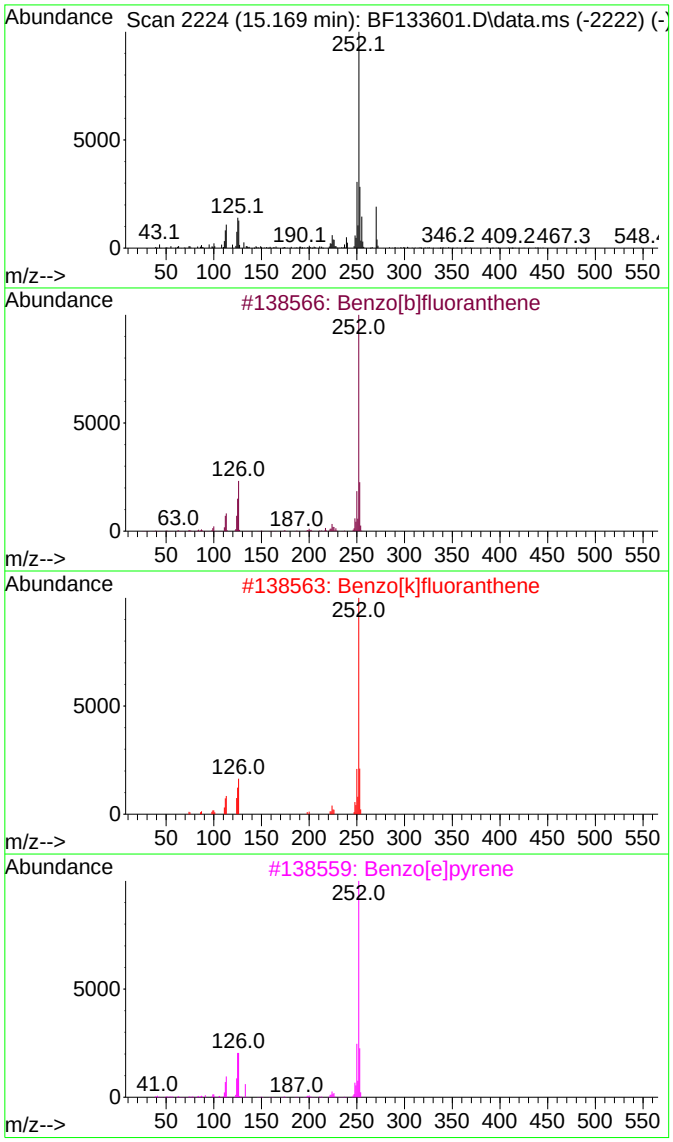
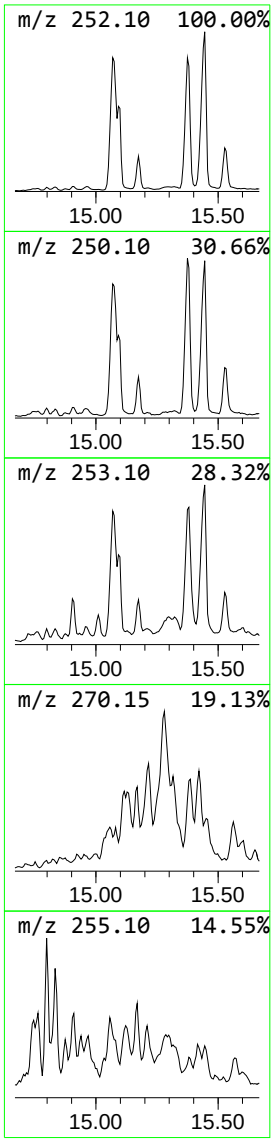
Peak Number 14 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.169	35.95 ng	399829	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
5	Benzo[a]pyrene	252	C20H12	000050-32-8	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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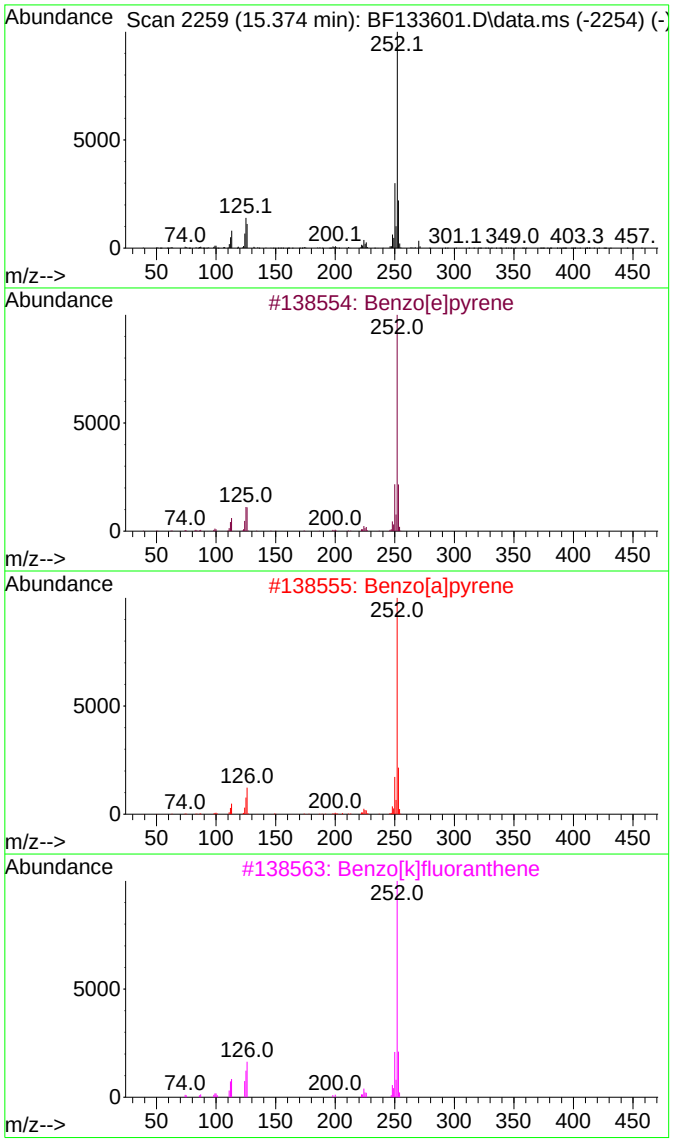
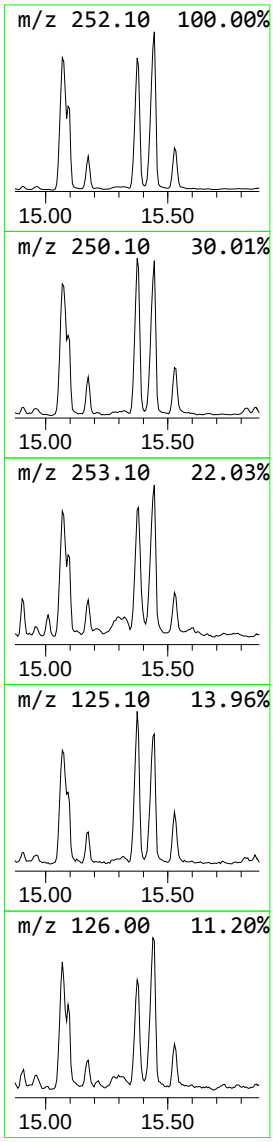
Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	187.40 ng	2084010	Perylene-d12	15.498

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





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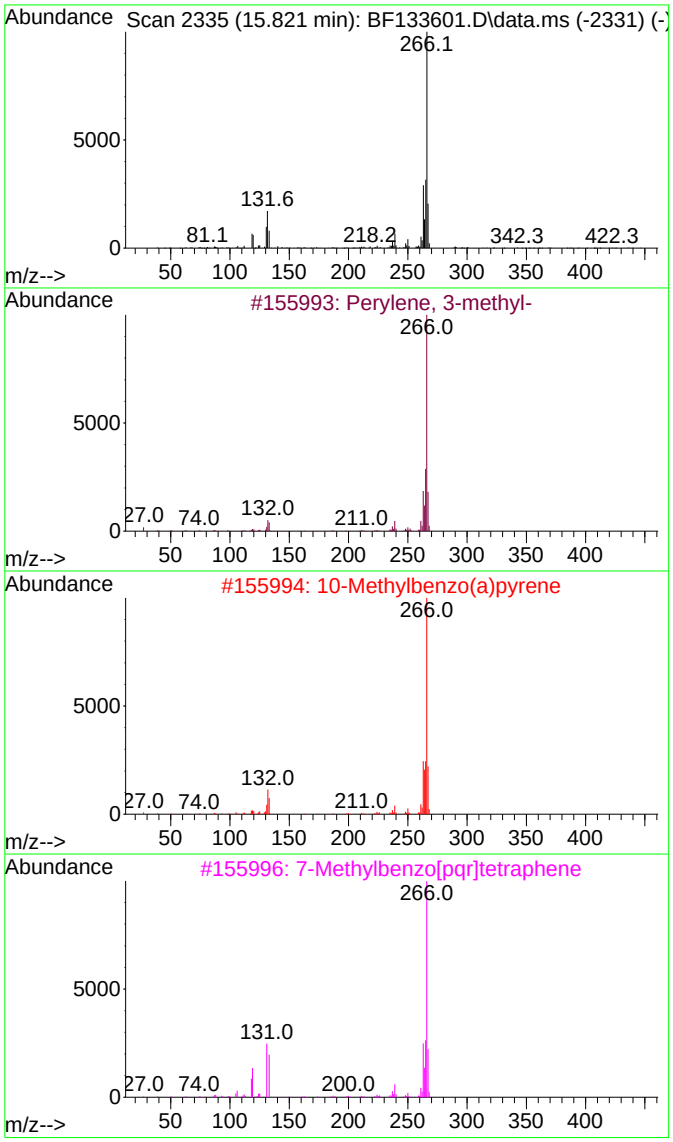
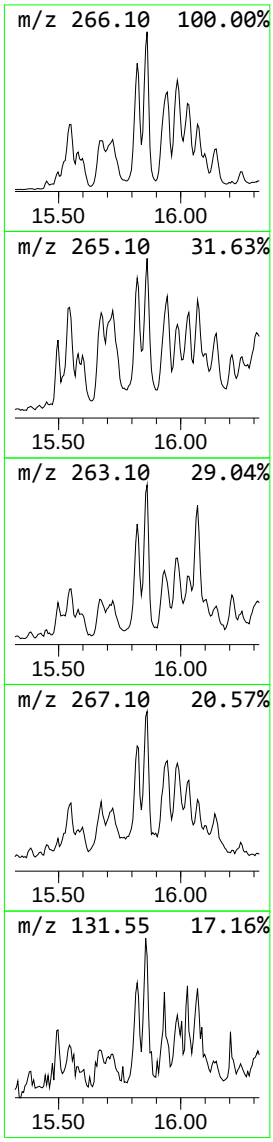
Peak Number 16 Perylene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.821	56.72 ng	630787	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	95
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	93
3	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	89
4	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	89
5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	78





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Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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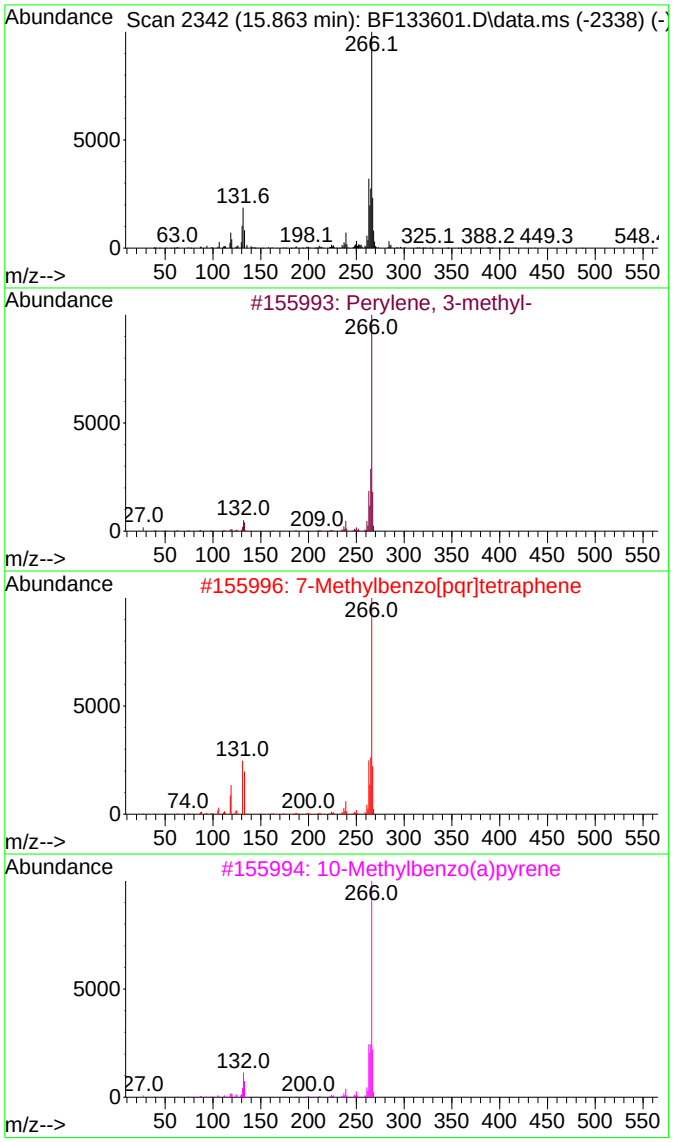
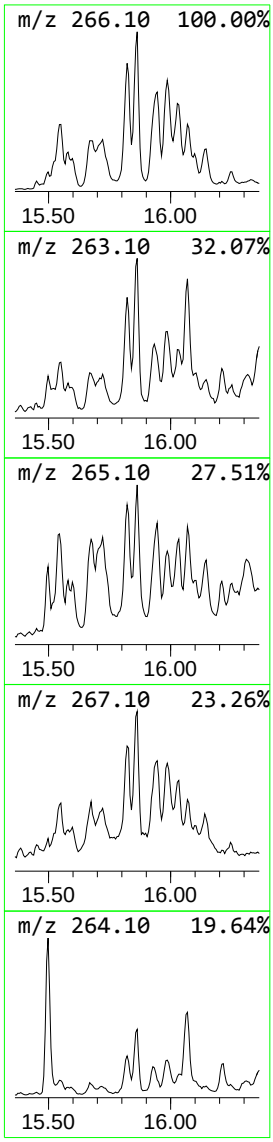
Peak Number 17 7-Methylbenzo[pqr]tetraphene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.863	92.79 ng	1031880	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	96
2	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	86
3	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	70
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	60
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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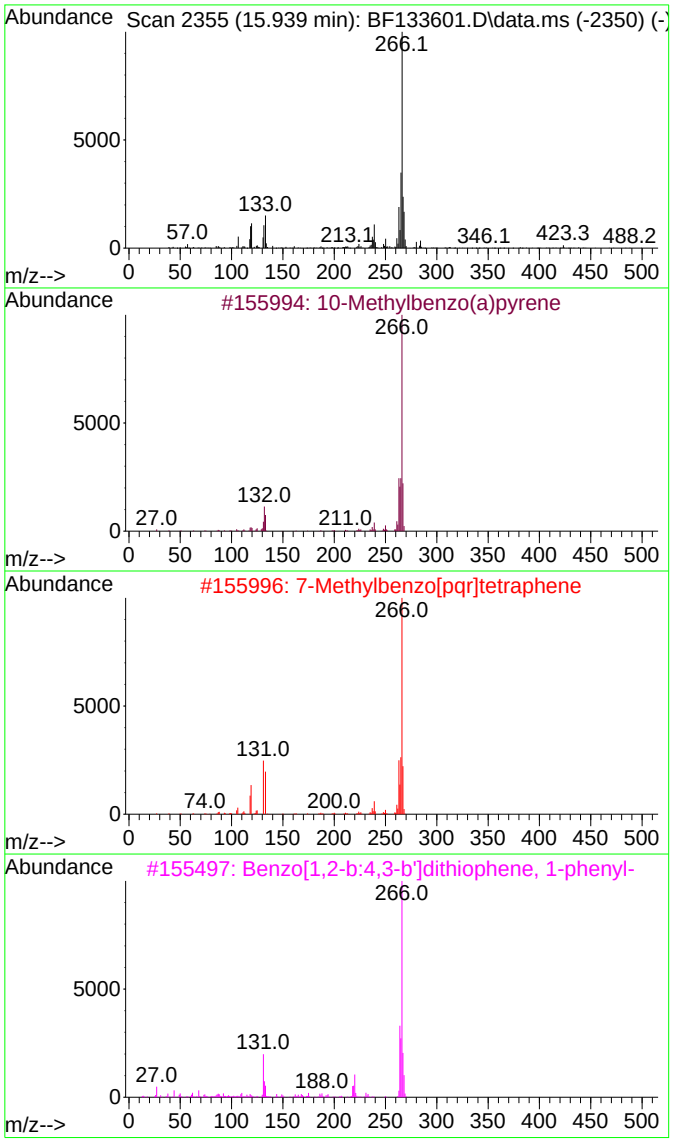
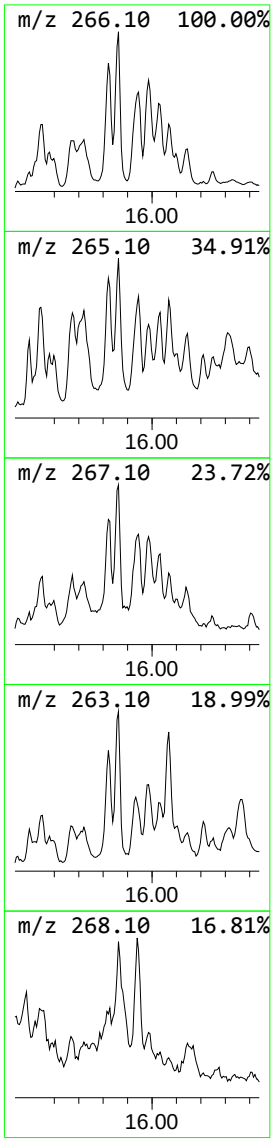
Peak Number 18 10-Methylbenzo(a)pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.939	78.98 ng	878304	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	76
2	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	76
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	72
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	68
5	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	097551-10-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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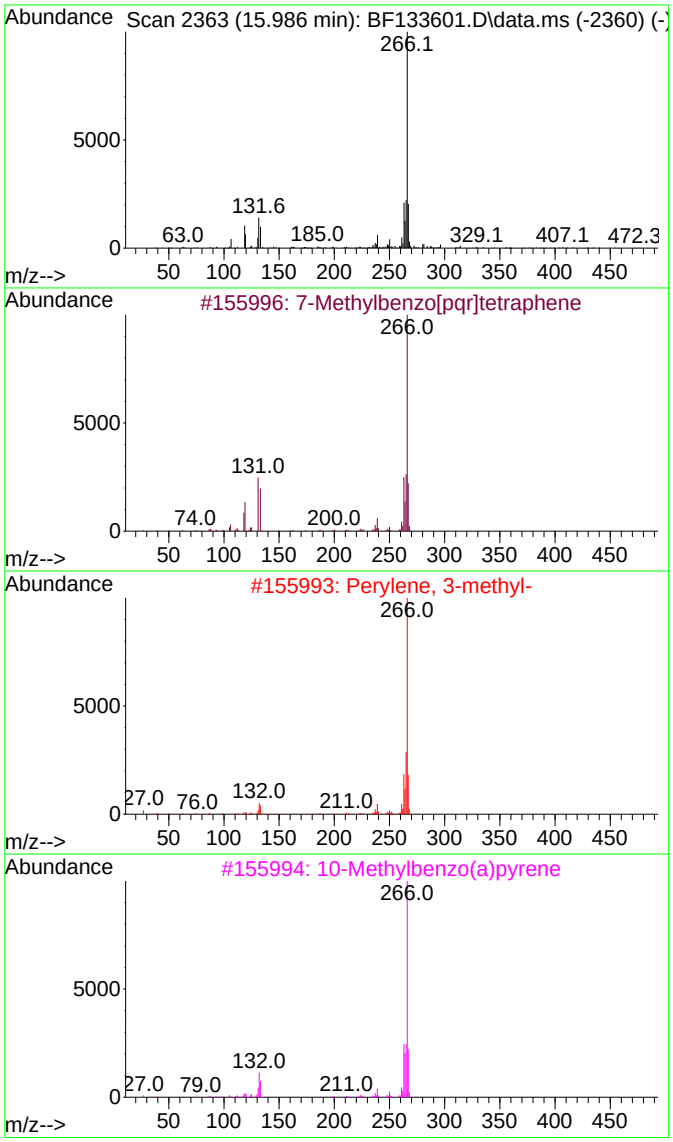
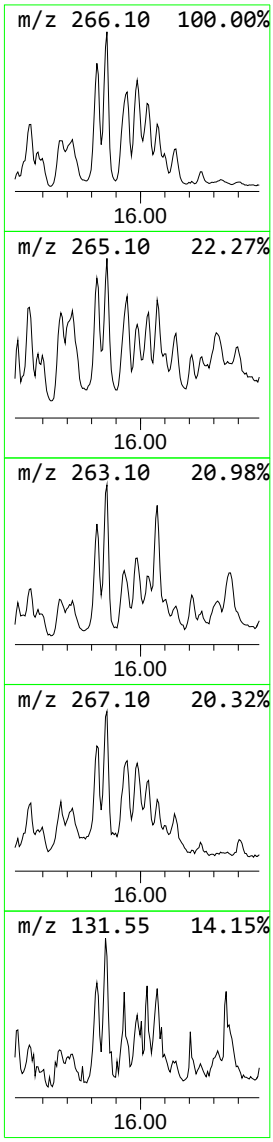
Peak Number 19 11H-Indeno[2,1-a]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	28.70 ng	319169	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	90
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	86
3	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	76
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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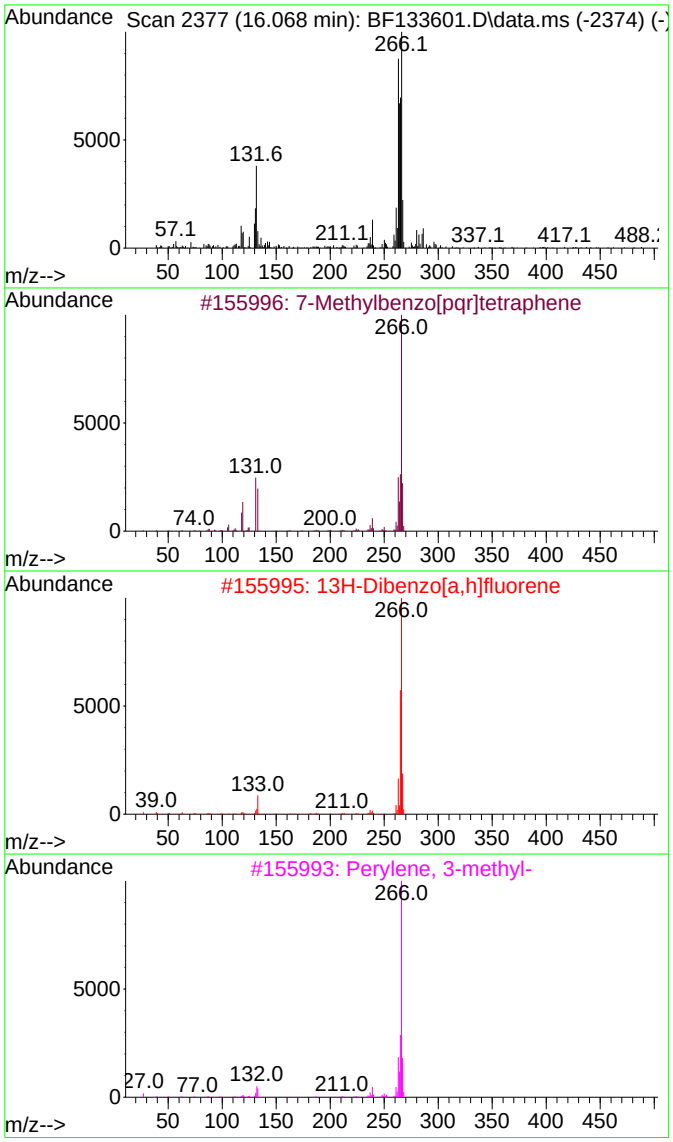
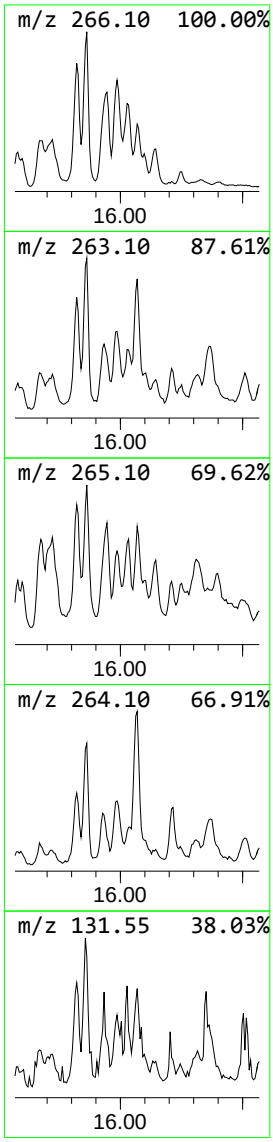
Peak Number 20 unknown16.068 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.068	29.54 ng	328522	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	42
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	38
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	38
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	38
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133601.D
Acq On : 06 Jun 2023 20:22
Operator : CG\JU
Sample : 03002-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.586	12.1	ng	502217	3	9.875	828492	20.0
Anthracene, 2-m...	11.869	27.8	ng	1061080	4	11.369	763521	20.0
Phenanthrene, 2...	11.898	36.4	ng	1390290	4	11.369	763521	20.0
Anthracene, 1-m...	11.945	13.1	ng	498480	4	11.369	763521	20.0
4H-Cyclopenta[d...	11.980	47.7	ng	1820300	4	11.369	763521	20.0
Naphthalene, 2-...	12.163	15.5	ng	592367	4	11.369	763521	20.0
Phenanthrene, 2...	12.422	24.9	ng	951171	4	11.369	763521	20.0
unknown12.457	12.457	15.4	ng	589933	4	11.369	763521	20.0
Cyclopenta(def)...	12.510	14.9	ng	570539	4	11.369	763521	20.0
Benz(a)anthrace...	14.798	60.6	ng	674058	6	15.498	222416	20.0
Benzo[c]phenant...	14.833	81.6	ng	907084	6	15.498	222416	20.0
7,12-Dimethylbe...	14.910	41.3	ng	459093	6	15.498	222416	20.0
Benz[a]anthrace...	14.969	46.6	ng	518379	6	15.498	222416	20.0
Benzo[e]pyrene	15.169	36.0	ng	399829	6	15.498	222416	20.0
Perylene	15.374	187.4	ng	2084010	6	15.498	222416	20.0
Perylene, 3-met...	15.821	56.7	ng	630787	6	15.498	222416	20.0
7-Methylbenzo[p...	15.863	92.8	ng	1031880	6	15.498	222416	20.0
10-Methylbenzo(...	15.939	79.0	ng	878304	6	15.498	222416	20.0
11H-Indeno[2,1-...	15.986	28.7	ng	319169	6	15.498	222416	20.0
unknown16.068	16.068	29.5	ng	328522	6	15.498	222416	20.0