LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137537.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	12	19	31	rVB	1349128	1810368	25.31%	1.645%
2	5.540	583	587	605	rBV	3947689	4131000	57.75%	3.753%
3	6.522	749	754	776	rBV	3896281	4285791	59.91%	3.893%
4	6.875	811	814	824	rBV	1188541	1181053	16.51%	1.073%
5	7.433	906	909	922	rBV	2626066	2632487	36.80%	2.391%
6	8.151	1027	1031	1034	rBV	1670336	1524433	21.31%	1.385%
7	9.228	1210	1214	1217	rBV	5120055	4289687	59.97%	3.897%
8	9.492	1255	1259	1268	rBV2	119486	198459	2.77%	0.180%
9	9.563	1268	1271	1274	rBV	277693	269380	3.77%	0.245%
10	9.680	1289	1291	1297	rBV	126950	152845	2.14%	0.139%
11	9.904	1323	1329	1332	rBV	1859028	1775000	24.81%	1.612%
12	9.939	1332	1335	1339	rVV	642741	582988	8.15%	0.530%
13	10.010	1343	1347	1352	rVV2	172608	245504	3.43%	0.223%
14	10.110	1359	1364	1368	rVV	417420	454783	6.36%	0.413%
15	10.151	1368	1371	1379	rVV	211378	216581	3.03%	0.197%
16	10.227	1380	1384	1386	rVV	152792	156366	2.19%	0.142%
17	10.316	1395	1399	1401	rBV	156913	177612	2.48%	0.161%
18	10.457	1419	1423	1429	rBV2	452420	482864	6.75%	0.439%
19	10.616	1448	1450	1455	rVB	438108	390006	5.45%	0.354%
20	10.698	1459	1464	1469	rVV	2585469	2569840	35.92%	2.335%
21	10.827	1483	1486	1490	rVB2	139257	155755	2.18%	0.141%
22	11.010	1510	1517	1520	rBV3	216701	317573	4.44%	0.288%
23	11.139	1534	1539	1541	rBV2	299151	355086	4.96%	0.323%
24	11.163	1541	1543	1545	rVV	290886	274715	3.84%	0.250%
25	11.210	1548	1551	1555	rVV2	322186	339689	4.75%	0.309%
26	11.251	1555	1558	1563	rVV3	309029	450456	6.30%	0.409%
27	11.298	1563	1566	1575	rVB	554593	559124	7.82%	0.508%
28	11.404	1580	1584	1586	rBV	1512332	1607312	22.47%	1.460%
29	11.433	1586	1589	1592	rVV	6473253	6103759	85.32%	5.545%
30	11.480	1594	1597	1600	rVV	1810363	1539868	21.53%	1.399%
31	11.657	1625	1627	1632	rVV2	152943	225754	3.16%	0.205%
32	11.704	1632	1635	1638	rVV	285631	248535	3.47%	0.226%
33	11.739	1638	1641	1646	rVB3	148015	207869	2.91%	0.189%
34	11.910	1664	1670	1672	rBV	986547	914365	12.78%	0.831%
35	11.939	1672	1675	1679	rVV	1260975	1273137	17.80%	1.157%
36	11.986	1679	1683	1685	rVV	526387	489615	6.84%	0.445%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
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Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.021	1685	1689	1691	rVV	1114149	1257246	17.58%	1.142%
38	12.045	1691	1693	1699	rVB	629988	547650	7.66%	0.498%
39	12.210	1718	1721	1723	rBV	743769	616717	8.62%	0.560%
40	12.233	1723	1725	1729	rVB	250245	220909	3.09%	0.201%
41	12.357	1741	1746	1749	rBV	224606	262030	3.66%	0.238%
42	12.463	1758	1764	1767	rBV	408060	467574	6.54%	0.425%
43	12.504	1767	1771	1773	rVV2	219727	293859	4.11%	0.267%
44	12.551	1776	1779	1784	rBV	444029	452600	6.33%	0.411%
45	12.633	1788	1793	1796	rBV	6516204	6576361	91.93%	5.974%
46	12.774	1810	1817	1821	rBV	360627	492094	6.88%	0.447%
47	12.863	1825	1832	1835	rBV2	5968483	7153567	100.00%	6.499%
48	12.904	1837	1839	1844	rVB2	347298	398679	5.57%	0.362%
49	12.980	1848	1852	1853	rBV	399090	394647	5.52%	0.359%
50	13.004	1853	1856	1863	rVB	3182430	3155088	44.11%	2.866%
51	13.080	1863	1869	1872	rBV2	456121	812936	11.36%	0.738%
52	13.163	1880	1883	1885	rBV2	358769	437928	6.12%	0.398%
53	13.186	1885	1887	1891	rVB	594480	545708	7.63%	0.496%
54	13.257	1895	1899	1901	rVB	247868	247323	3.46%	0.225%
55	13.292	1901	1905	1907	rBV	774774	818300	11.44%	0.743%
56	13.315	1907	1909	1913	rVB	197195	194629	2.72%	0.177%
57	13.386	1917	1921	1923	rBV	350841	309132	4.32%	0.281%
58	13.415	1923	1926	1930	rBV2	408017	381785	5.34%	0.347%
59	13.498	1936	1940	1945	rVB4	99906	163602	2.29%	0.149%
60	13.592	1949	1956	1958	rBV4	161797	308349	4.31%	0.280%
61	13.698	1971	1974	1979	rVB	682814	656362	9.18%	0.596%
62	13.810	1988	1993	1996	rBV	802599	888384	12.42%	0.807%
63	13.839	1996	1998	2000	rVV	664225	617298	8.63%	0.561%
64	13.862	2000	2002	2004	rVV	563510	564017	7.88%	0.512%
65	13.915	2008	2011	2017	rVB	670469	797322	11.15%	0.724%
66	13.980	2018	2022	2029	rVB	200548	302994	4.24%	0.275%
67	14.062	2029	2036	2040	rBV2	3942571	6405616	89.54%	5.819%
68	14.098	2040	2042	2049	rVV	3729268	3363167	47.01%	3.055%
69	14.174	2052	2055	2057	rVV	649234	503137	7.03%	0.457%
70	14.215	2057	2062	2064	rVV3	121234	182907	2.56%	0.166%
71	14.262	2068	2070	2072	rVV	286168	309253	4.32%	0.281%
72	14.298	2074	2076	2079	rVV	395418	379806	5.31%	0.345%
73	14.421	2094	2097	2099	rBV	209760	204676	2.86%	0.186%
74	14.457	2099	2103	2106	rVV	784777	764020	10.68%	0.694%
75	14.492	2106	2109	2113	rVB	381599	347276	4.85%	0.315%
76	14.551	2113	2119	2122	rBV3	325853	464115	6.49%	0.422%

LSC Area Percent Report

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Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.580	2122	2124	2127	rVV2	278775	287766	4.02%	0.261%
78	14.604	2127	2128	2132	rVB2	174679	158227	2.21%	0.144%
79	14.662	2136	2138	2144	rVB2	253511	294441	4.12%	0.267%
80	14.780	2155	2158	2161	rBV	298906	343336	4.80%	0.312%
81	14.868	2169	2173	2177	rBV3	191764	302030	4.22%	0.274%
82	14.980	2186	2192	2195	rBV2	246817	419339	5.86%	0.381%
83	15.051	2200	2204	2209	rBV5	153028	242807	3.39%	0.221%
84	15.157	2215	2222	2225	rBV	2858446	5158221	72.11%	4.686%
85	15.180	2225	2226	2232	rVB	1678094	1476001	20.63%	1.341%
86	15.262	2237	2240	2244	rVB	716551	799139	11.17%	0.726%
87	15.362	2253	2257	2258	rBV3	138815	167871	2.35%	0.152%
88	15.427	2265	2268	2271	rBV2	143115	155799	2.18%	0.142%
89	15.480	2271	2277	2283	rVB	1862371	2800988	39.16%	2.544%
90	15.551	2283	2289	2295	rVB	2620086	3646739	50.98%	3.313%
91	15.609	2295	2299	2302	rBV	884435	1244087	17.39%	1.130%
92	15.645	2302	2305	2313	rVB	861425	1231579	17.22%	1.119%
93	16.733	2486	2490	2495	rBV6	83292	169992	2.38%	0.154%
94	16.856	2507	2511	2524	rVB7	113862	358747	5.01%	0.326%
95	17.033	2531	2541	2548	rBV4	163043	534620	7.47%	0.486%
96	17.215	2565	2572	2583	rVB2	822169	1880543	26.29%	1.708%
97	17.415	2600	2606	2612	rBV	207533	491318	6.87%	0.446%
98	17.480	2612	2617	2623	rVB	121989	243799	3.41%	0.221%
99	17.703	2647	2655	2668	rVB	610892	1400877	19.58%	1.273%
100	17.956	2693	2698	2712	rVB2	163221	423215	5.92%	0.384%

Sum of corrected areas: 110080203

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
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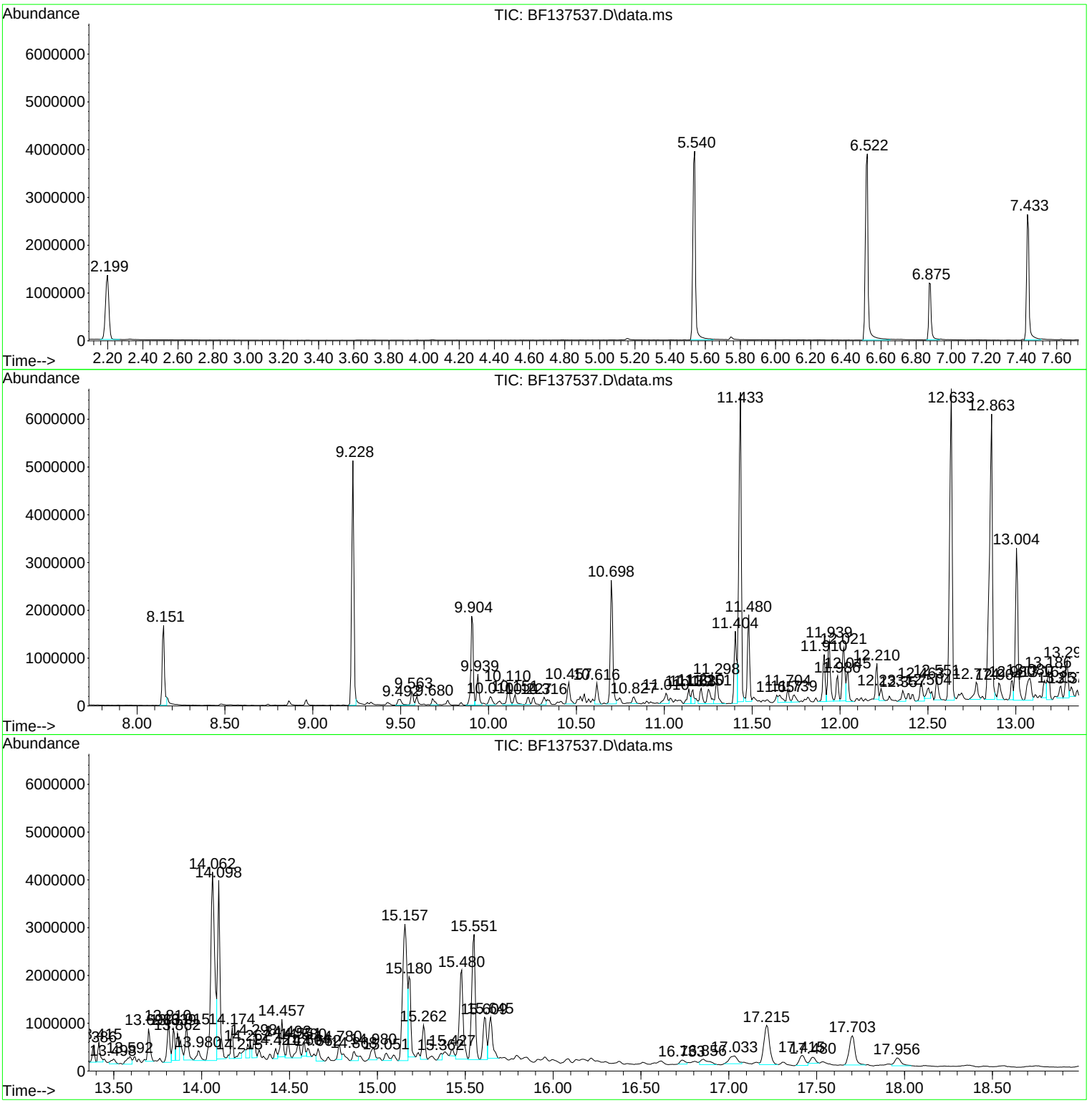
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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\BF030724\
Data File : BF137537.D
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Instrument :
BNA_F
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COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

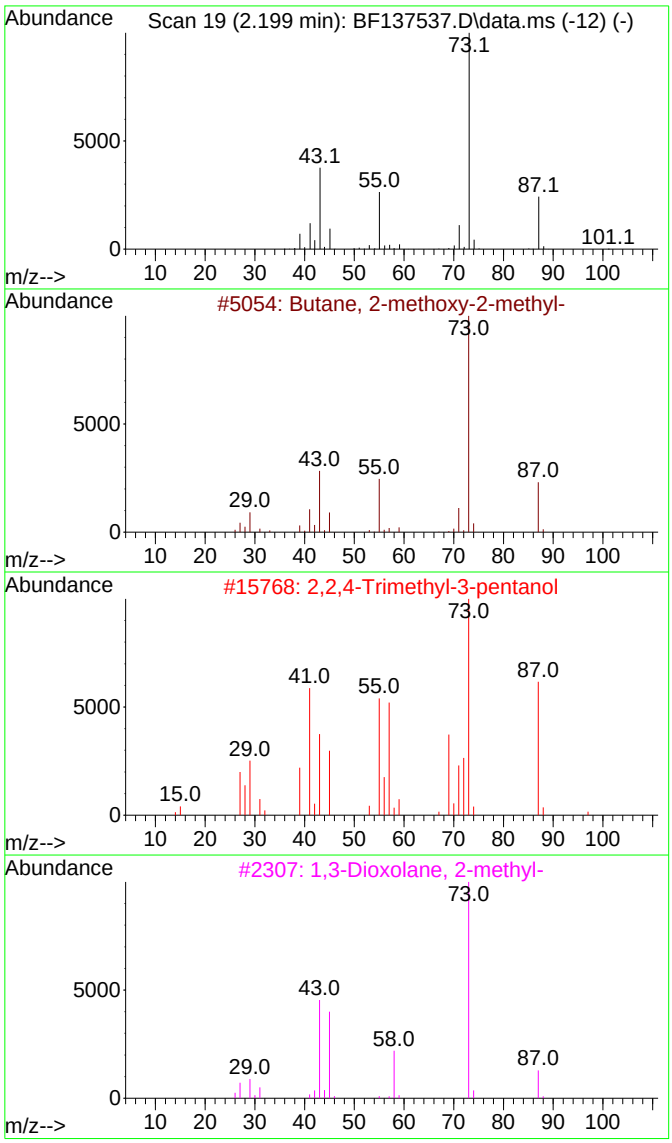
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

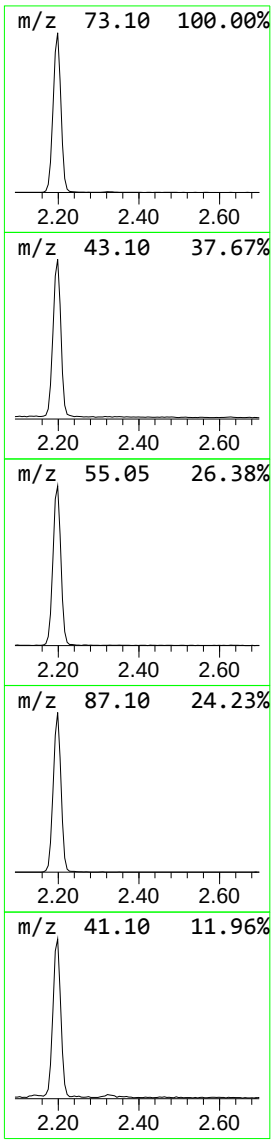
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	30.66 ng	1810370	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

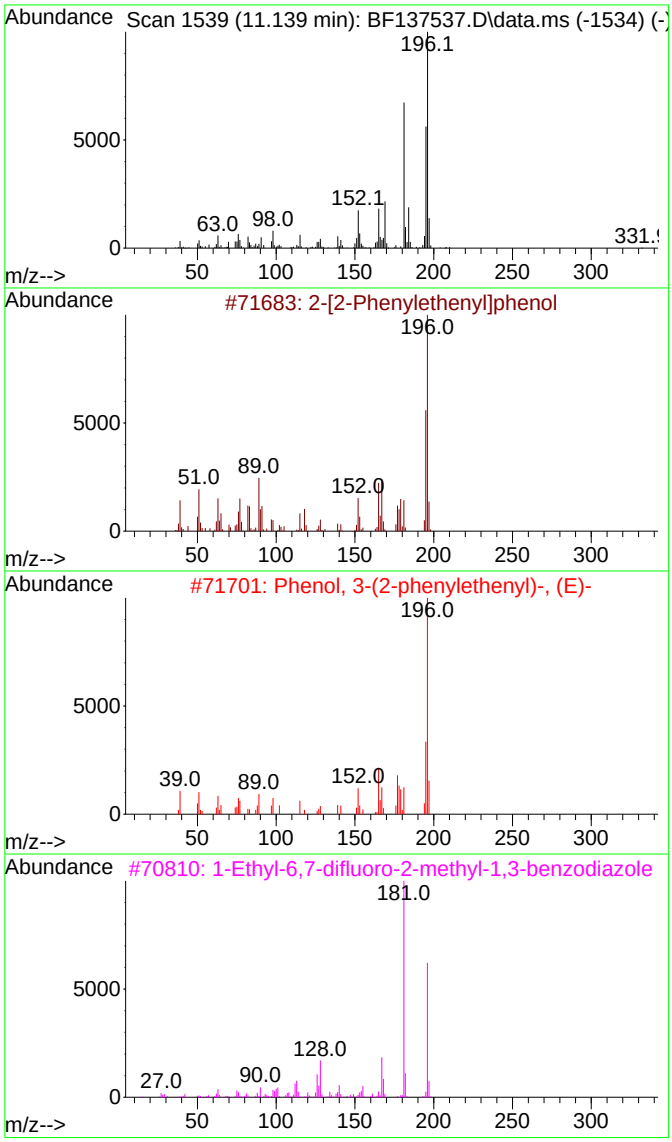
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

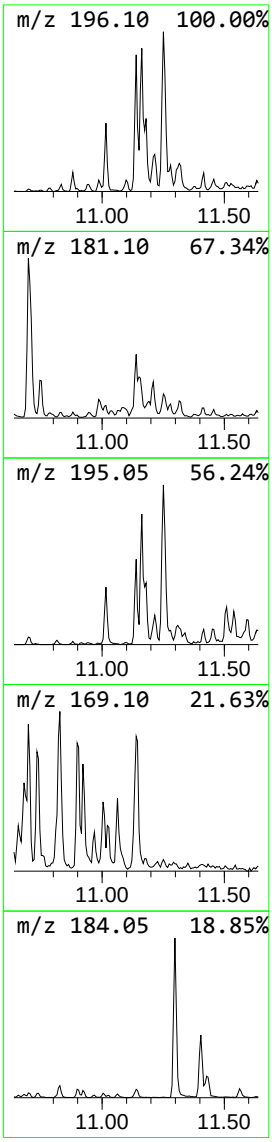
****

Peak Number 2 2-[2-Phenylethenyl]phenol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	4.42 ng	355086	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
3	1-Ethyl-6,7-difluoro-2-methyl-1,...	196	C10H10F2N2	1381944-71-3	53
4	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	49
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
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Acq On : 07 Mar 2024 18:50
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ALS Vial : 13 Sample Multiplier: 1

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BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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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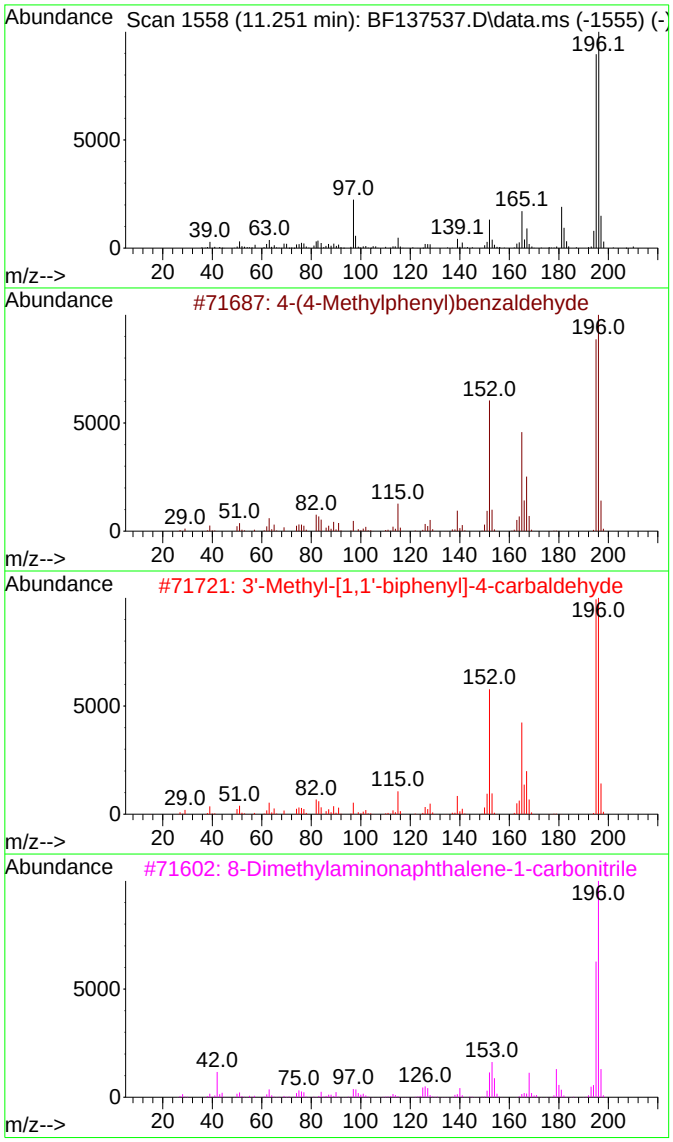
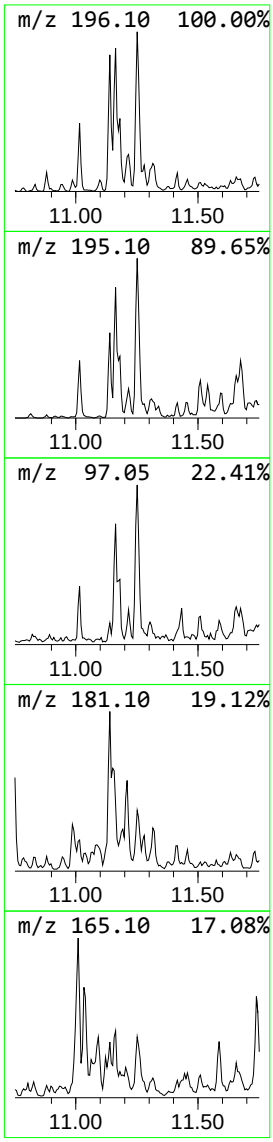
Peak Number 3 4-(4-Methylphenyl)benzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	5.61 ng	450456	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
5	4-{Pyrazolo[1,5-a]pyrimidin-7-yl...	196	C11H8N4	1000443-78-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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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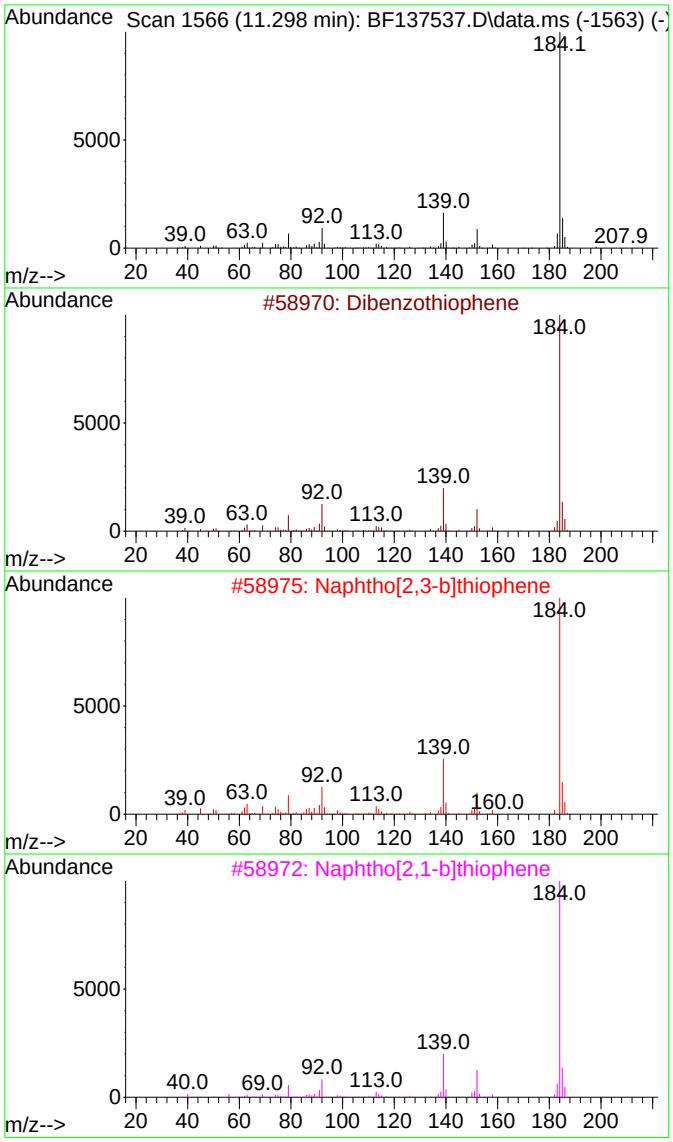
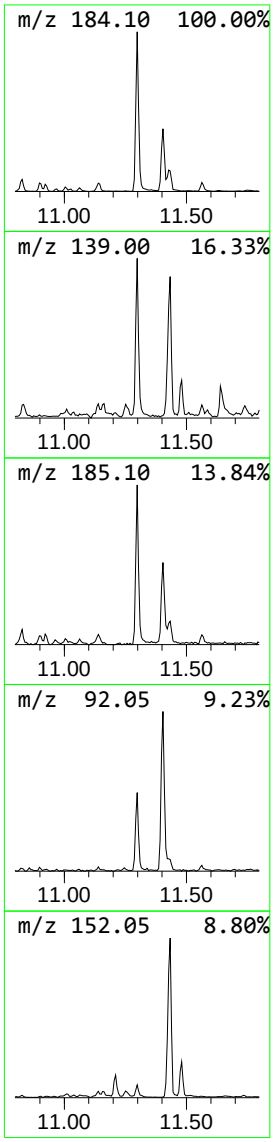
Peak Number 4 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	6.96 ng	559124	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

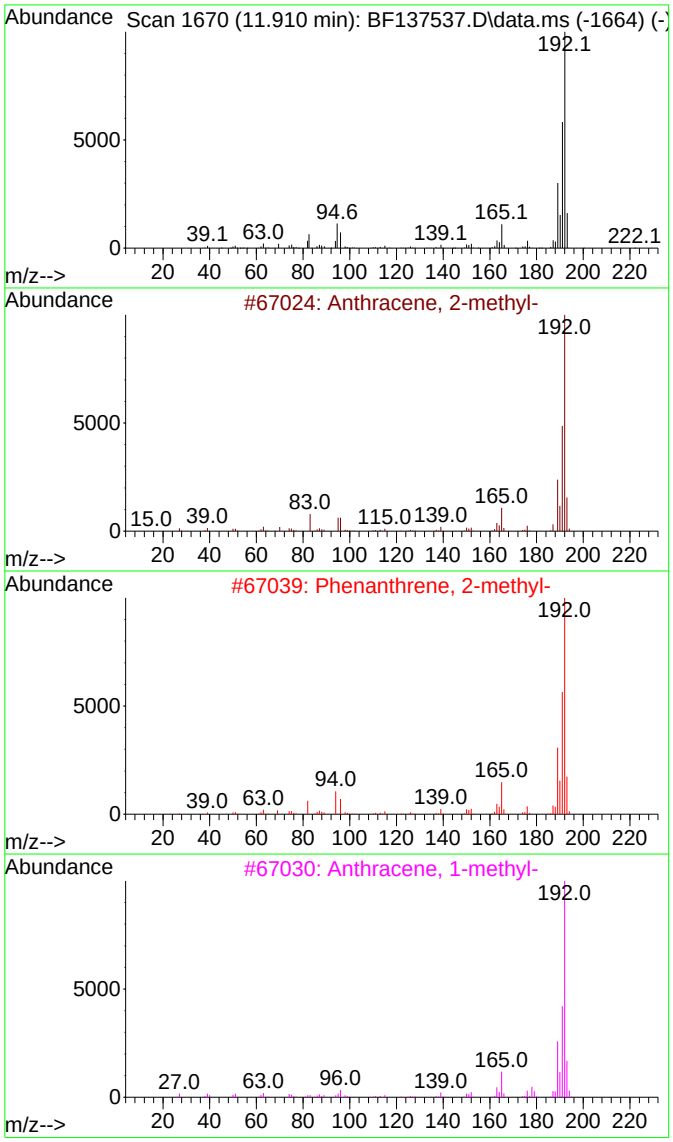
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

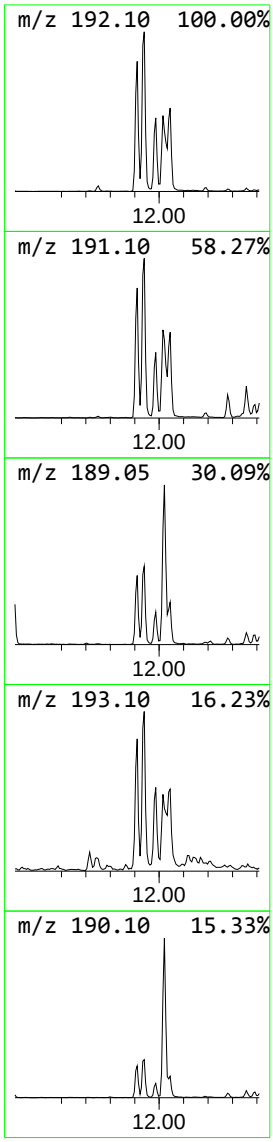
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	11.38 ng	914365	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : P1688-01
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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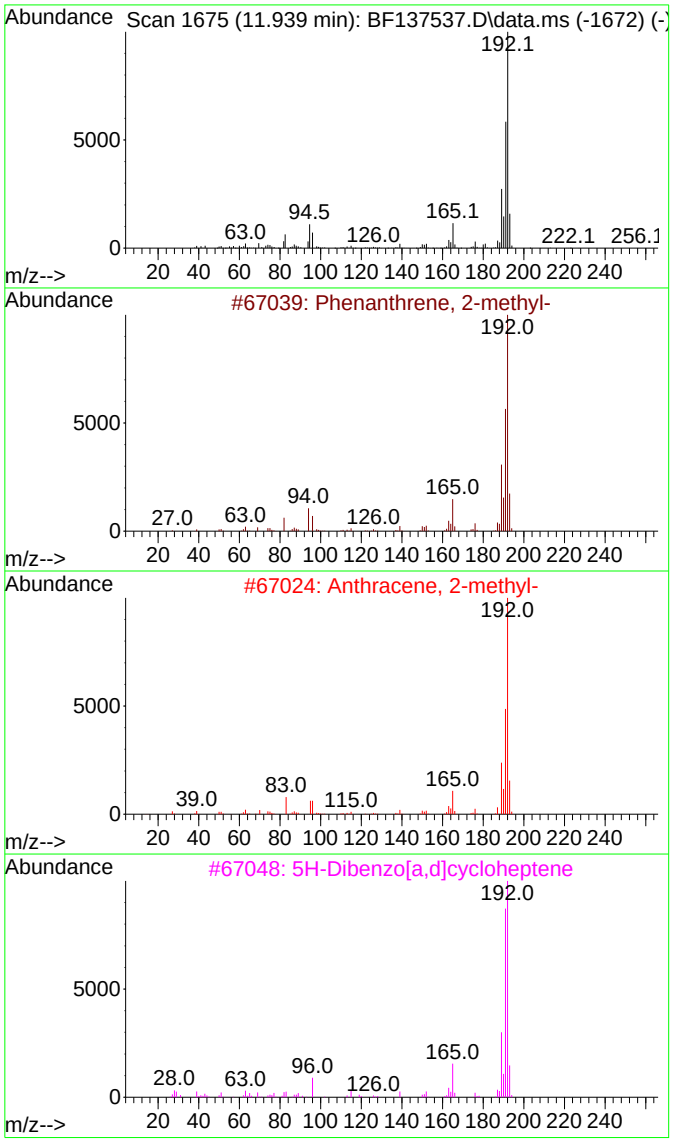
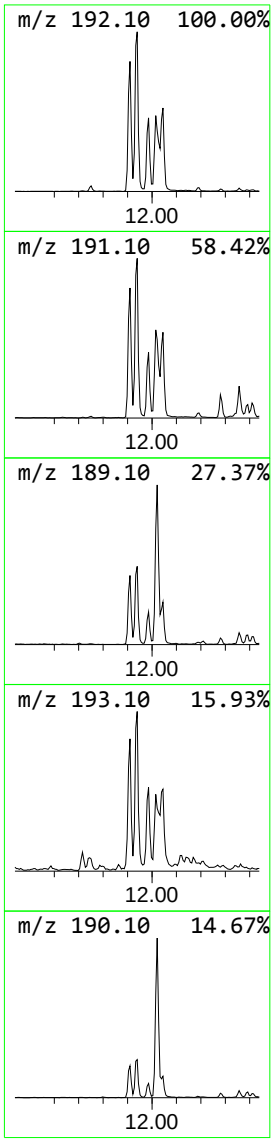
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	15.84 ng	1273140	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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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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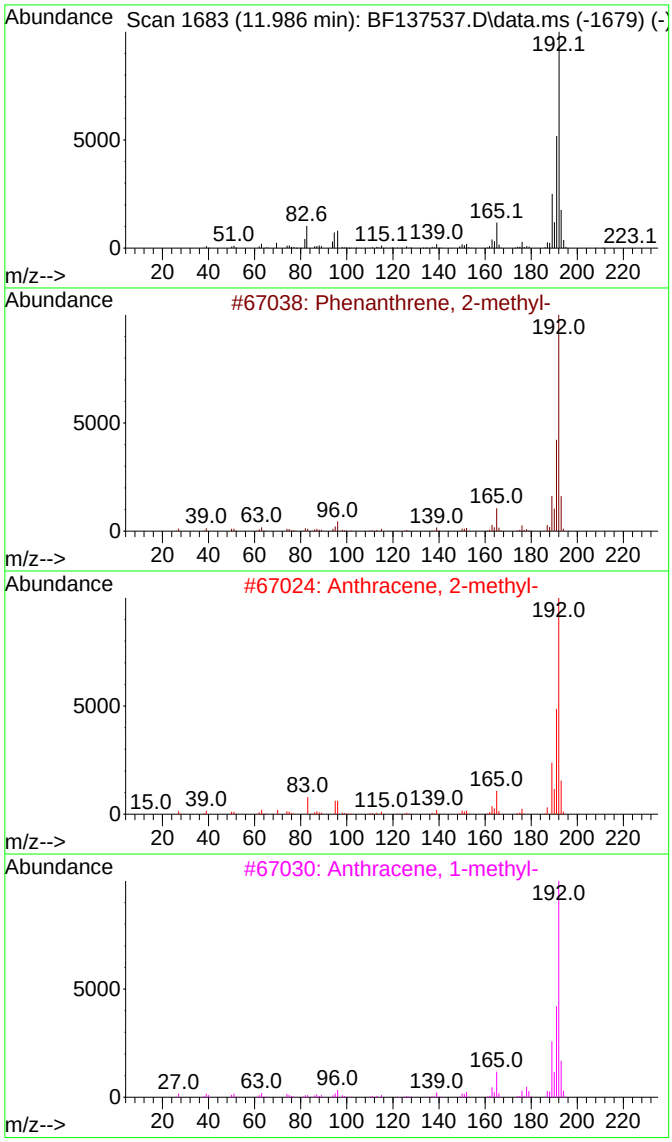
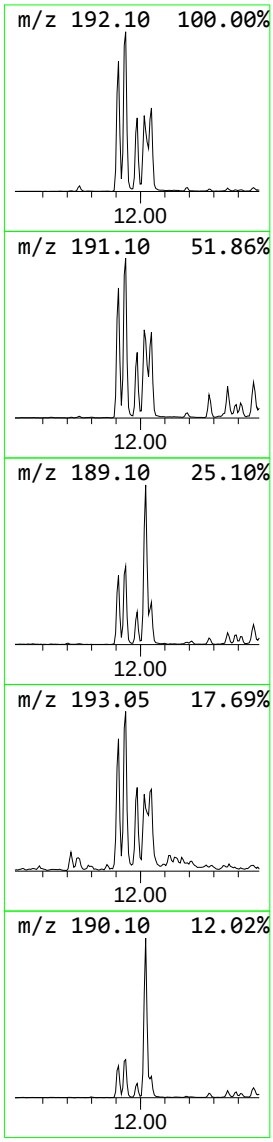
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	6.09 ng	489615	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ALS Vial : 13 Sample Multiplier: 1

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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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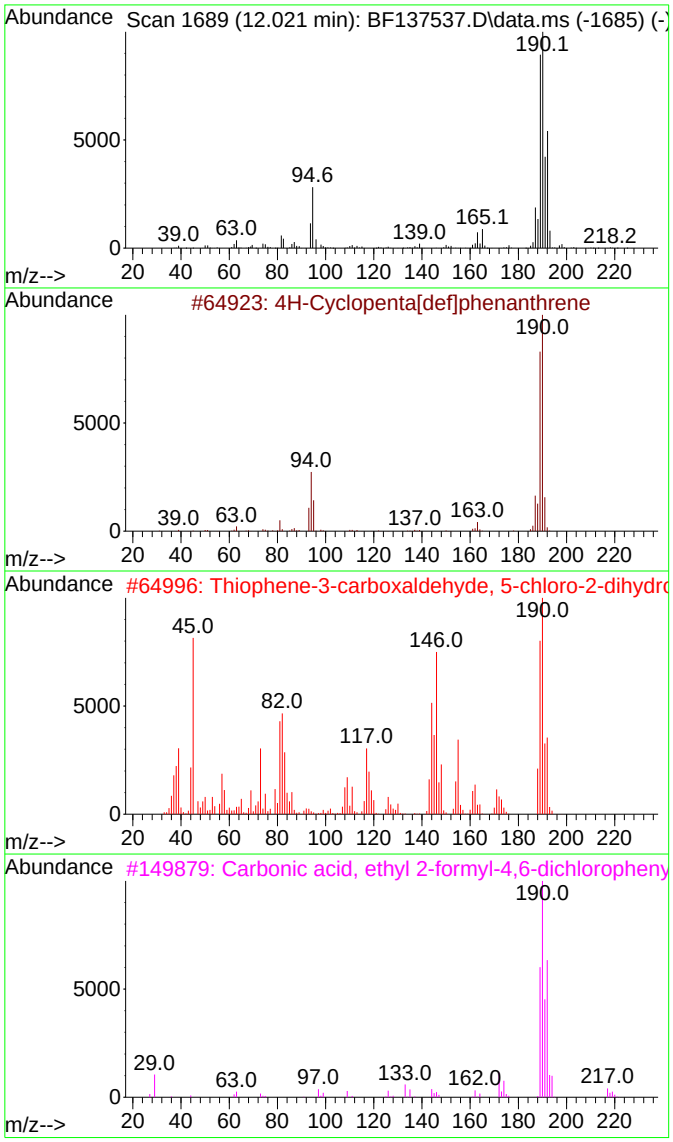
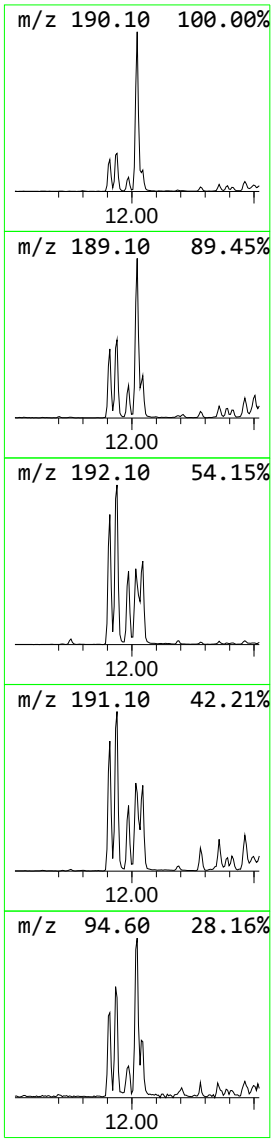
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	15.64 ng	1257250	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38





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Misc :
ALS Vial : 13 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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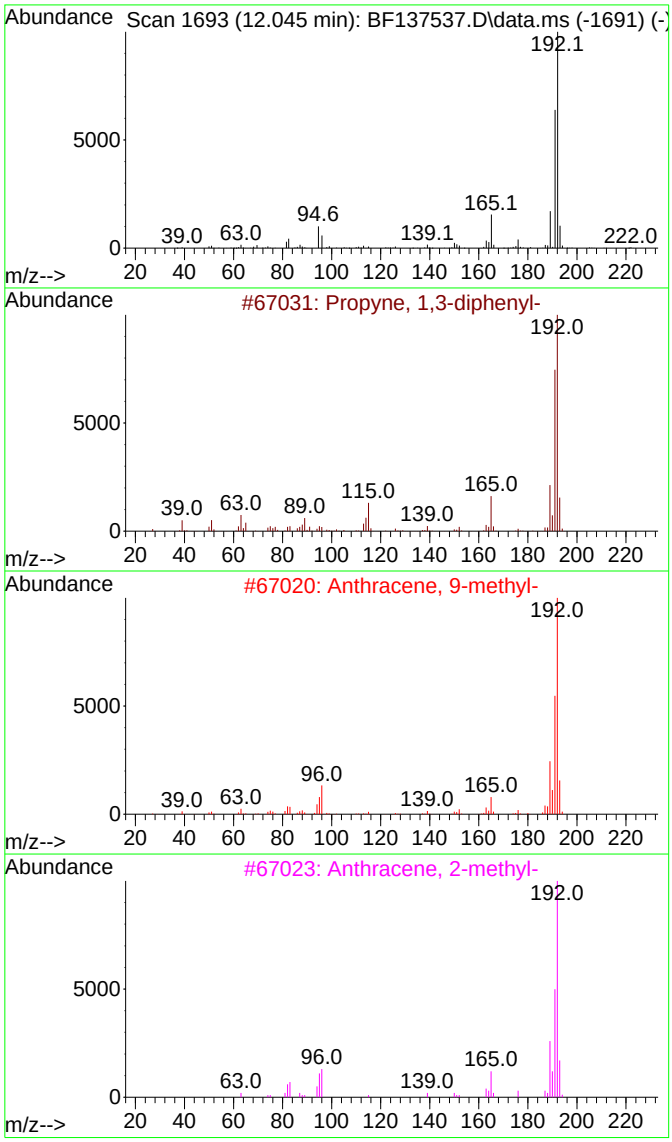
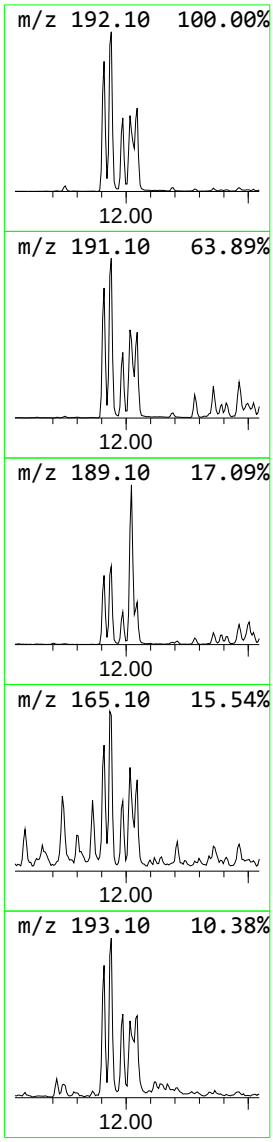
Peak Number 9 Propyne, 1,3-diphenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	6.81 ng	547650	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64





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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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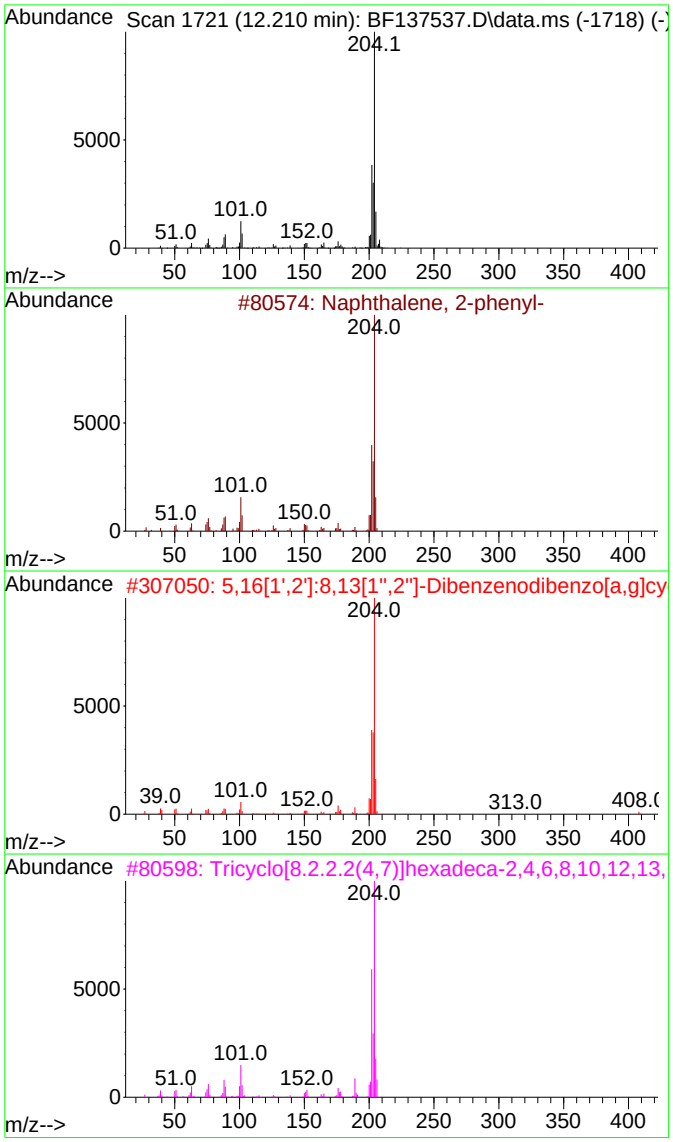
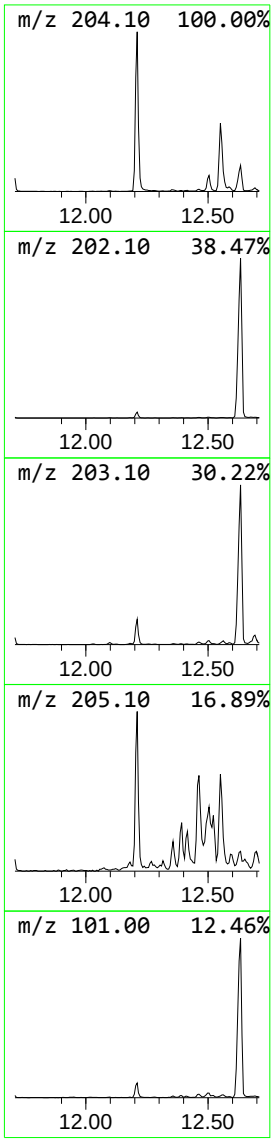
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	7.67 ng	616717	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49





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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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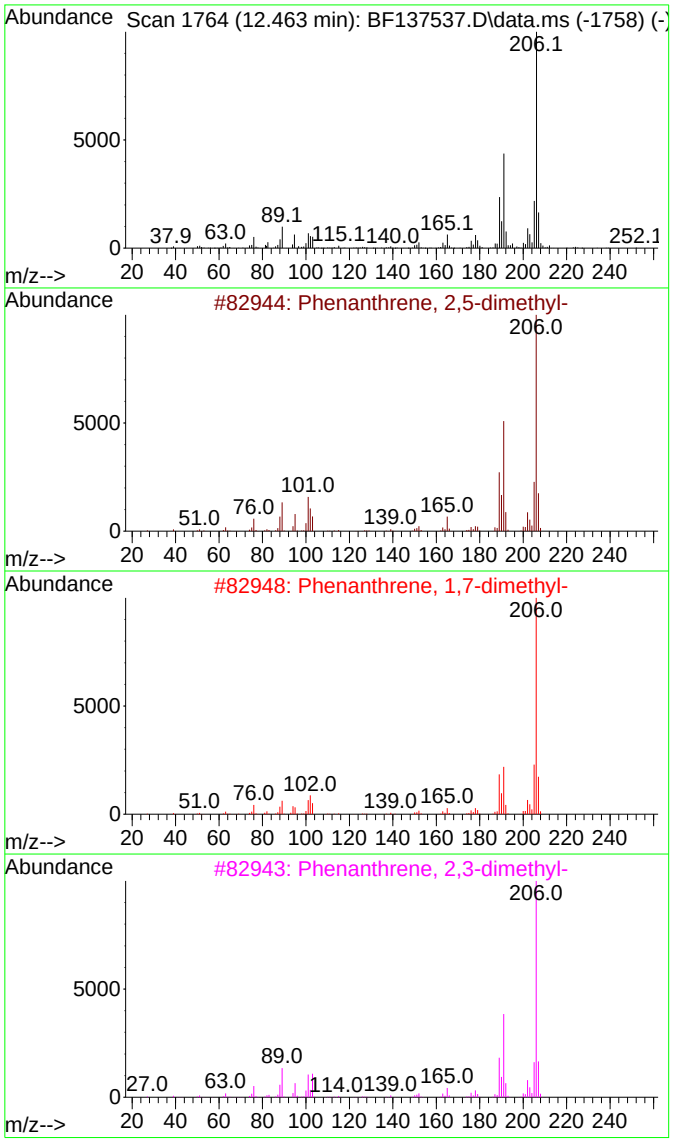
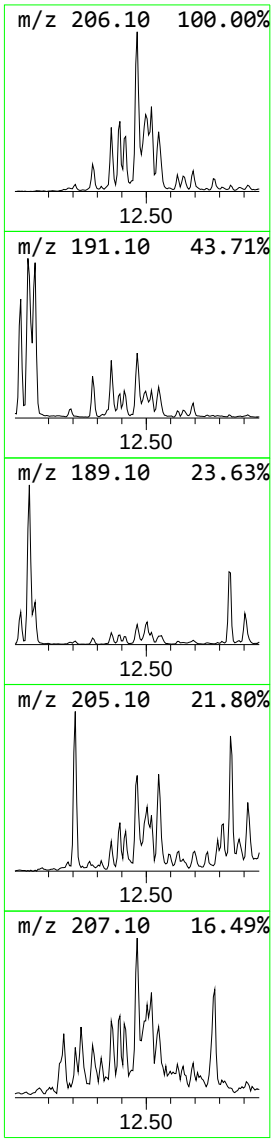
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	5.82 ng	467574	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
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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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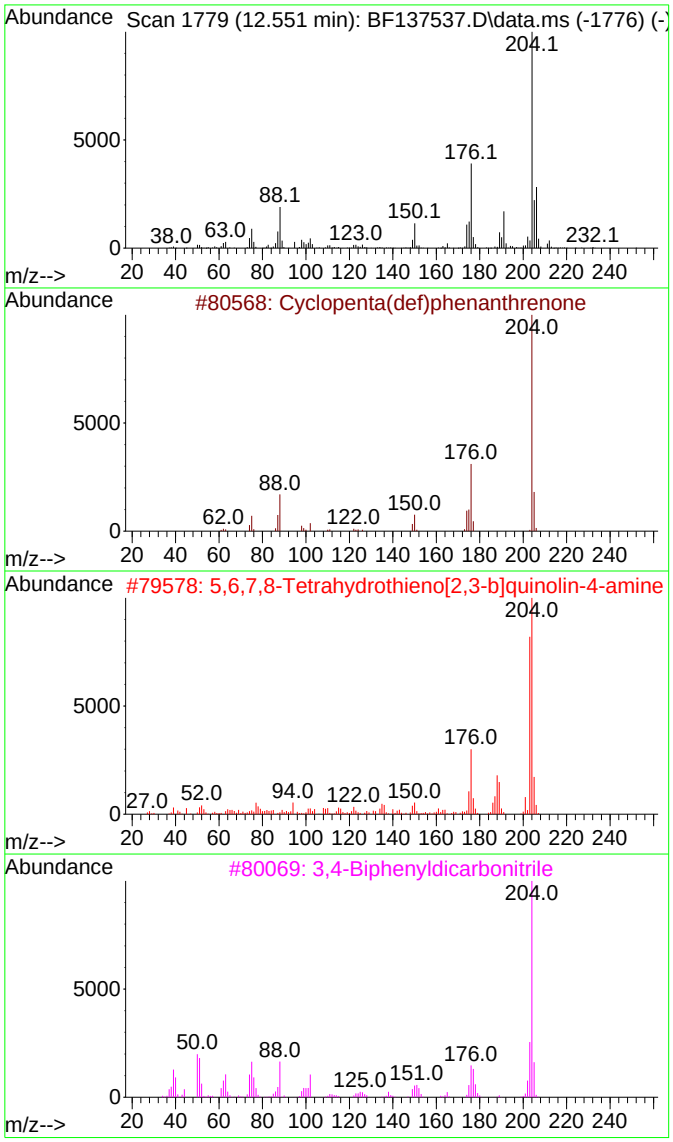
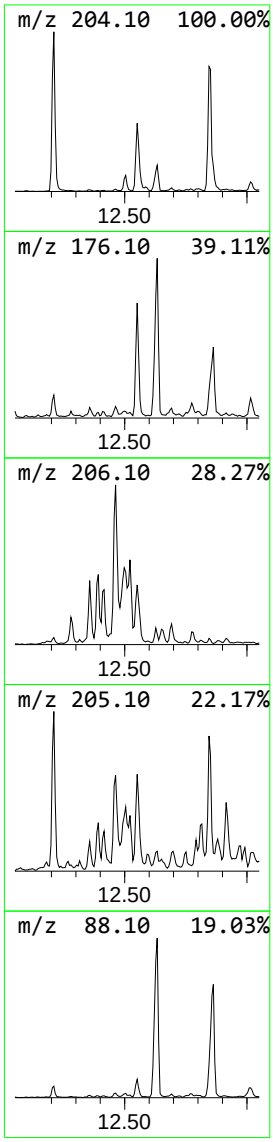
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	5.63 ng	452600	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





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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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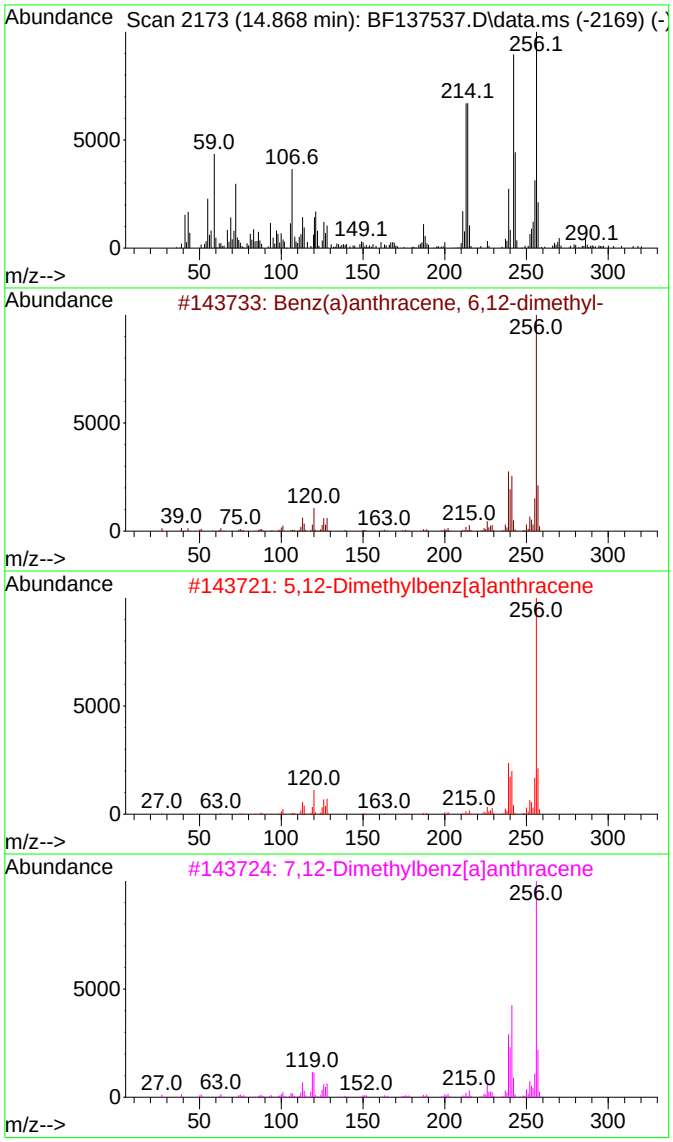
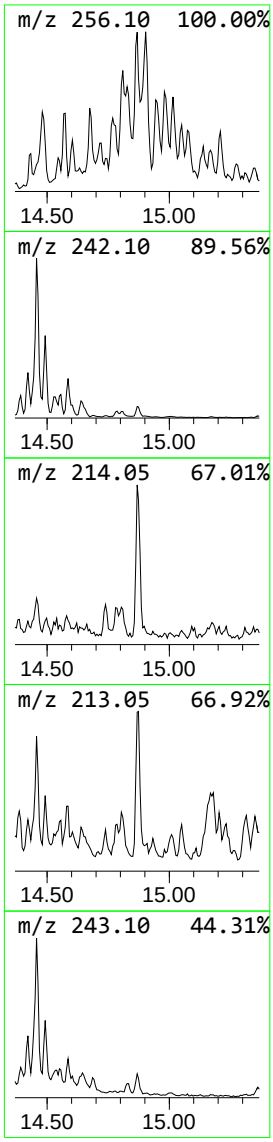
Peak Number 13 unknown14.868 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.868	4.86 ng	302030	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	38
2	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	38
3	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	30
4	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	30
5	6,6'-Biquinoline	256	C18H12N2	000612-79-3	30





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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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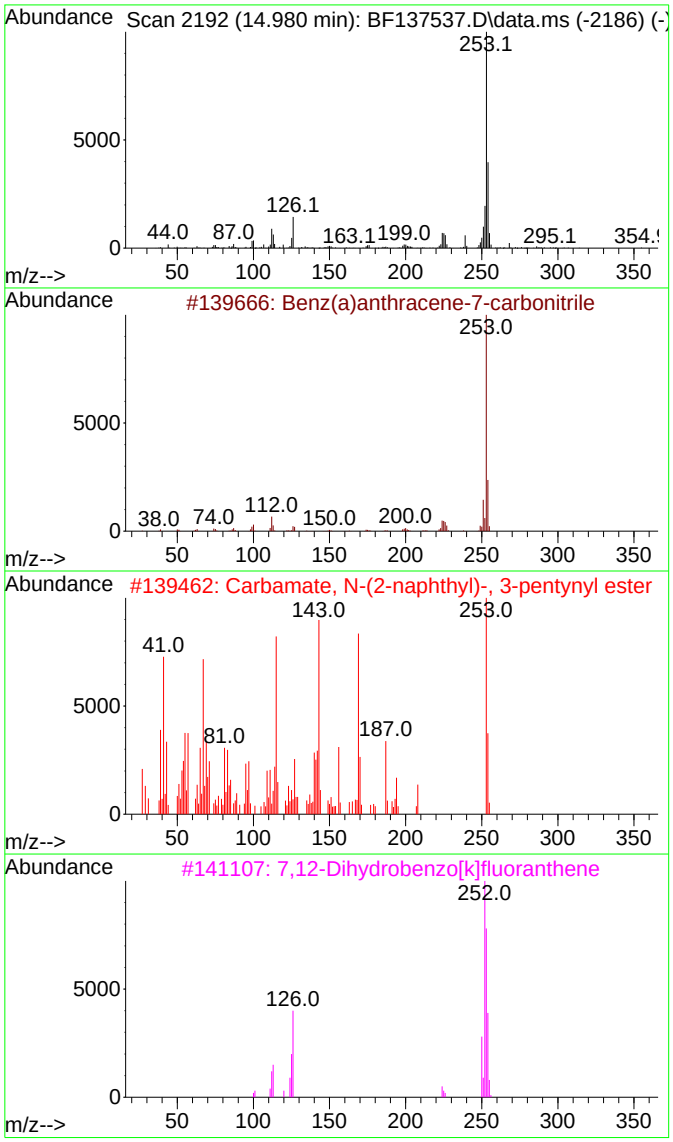
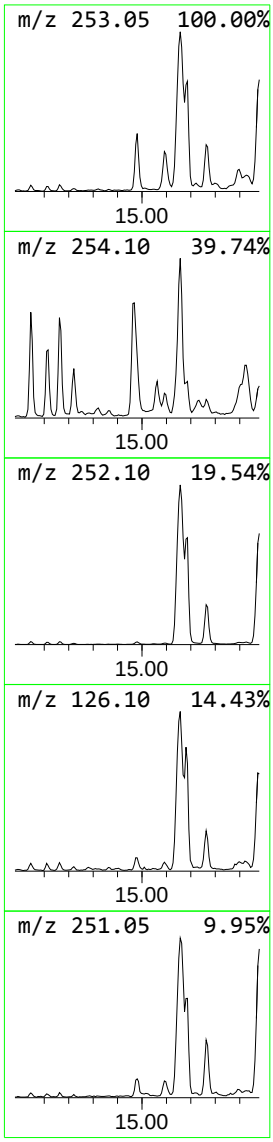
Peak Number 14 Benz(a)anthracene-7-carboni... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.980	6.74 ng	419339	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	50
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	47
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	43
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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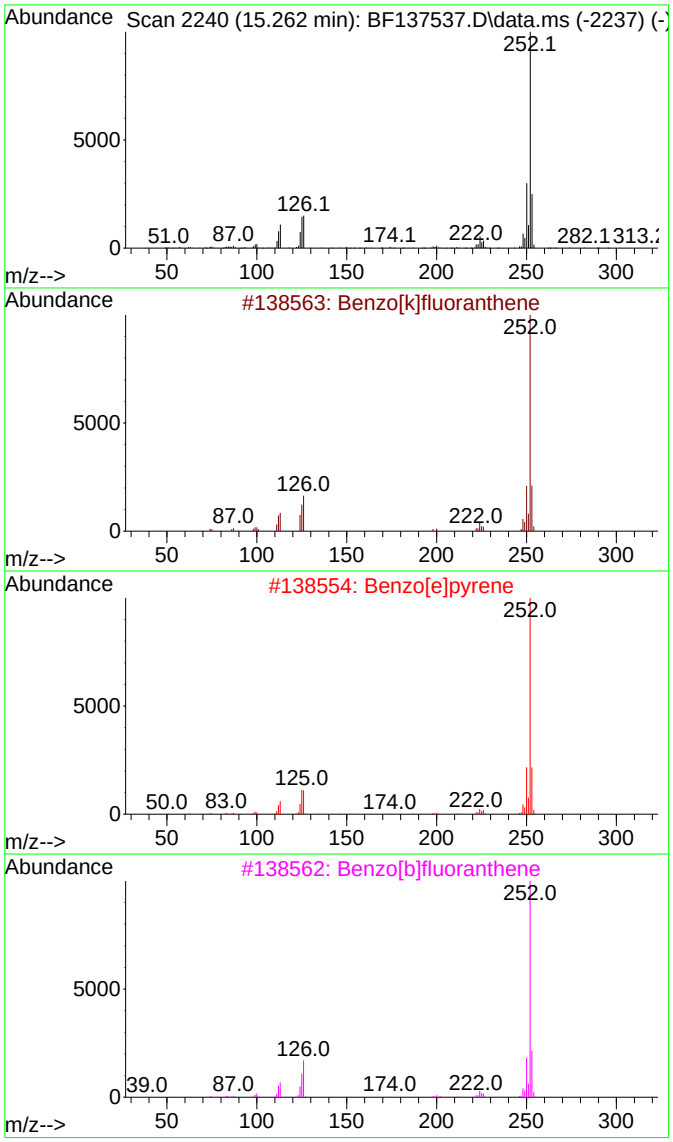
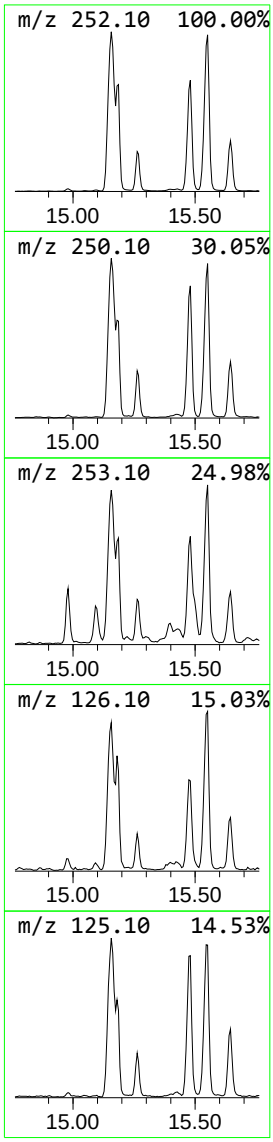
Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.262	12.85 ng	799139	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





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

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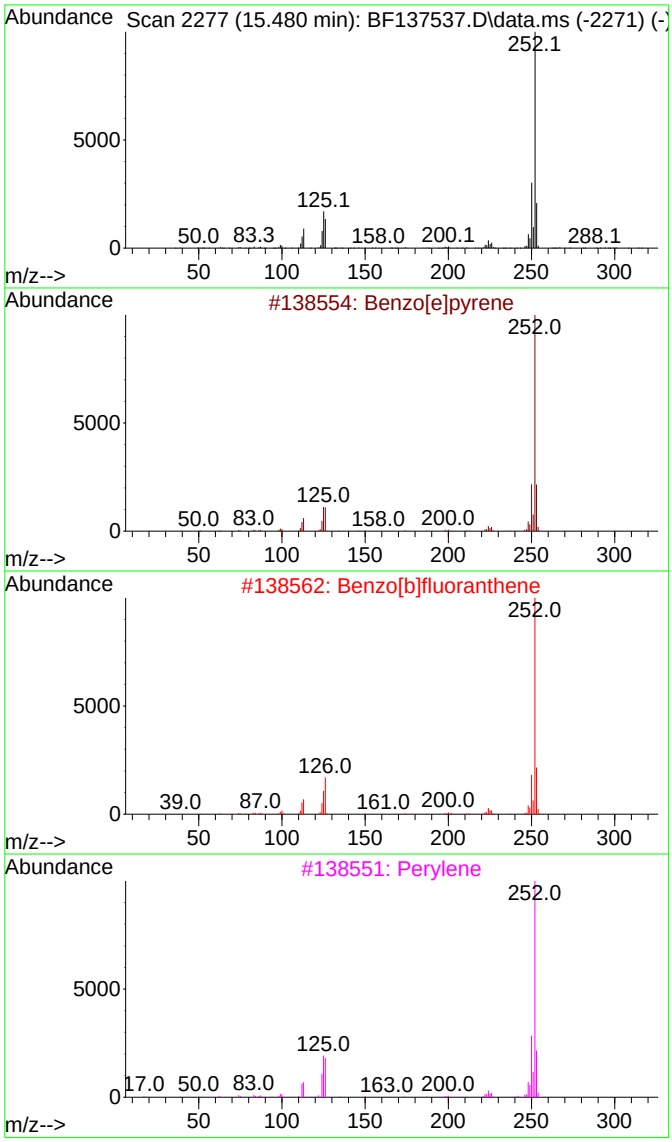
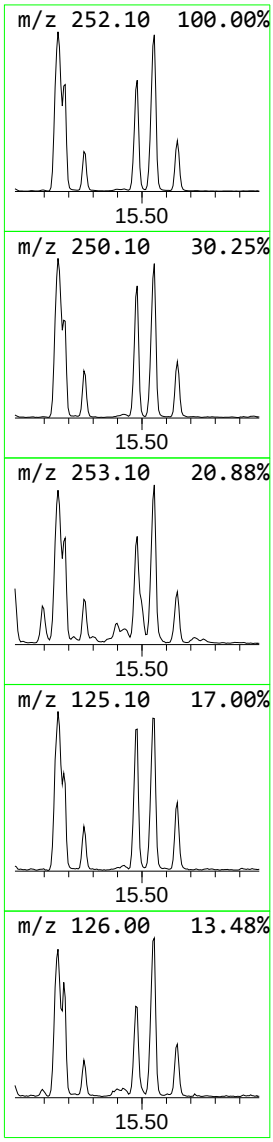
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.480	45.03 ng	2800990	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[b]fluoranthene	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[j]fluoranthene	252	C20H12	000205-82-3	93





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Instrument :
BNA_F
ClientSampleId :
COMP-1

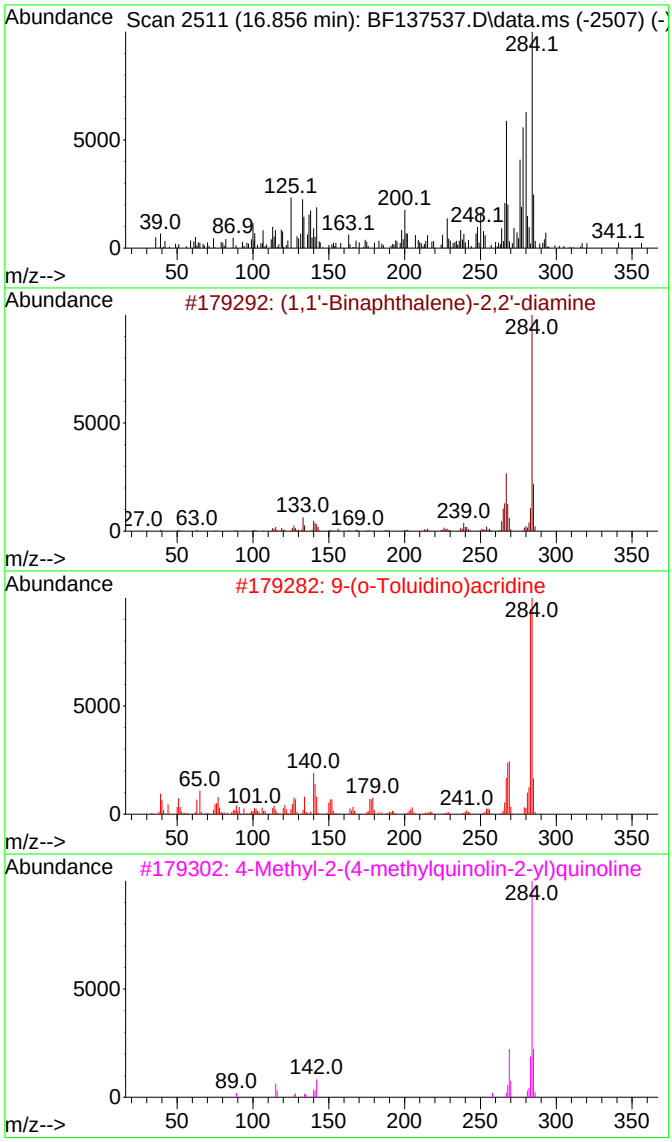
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

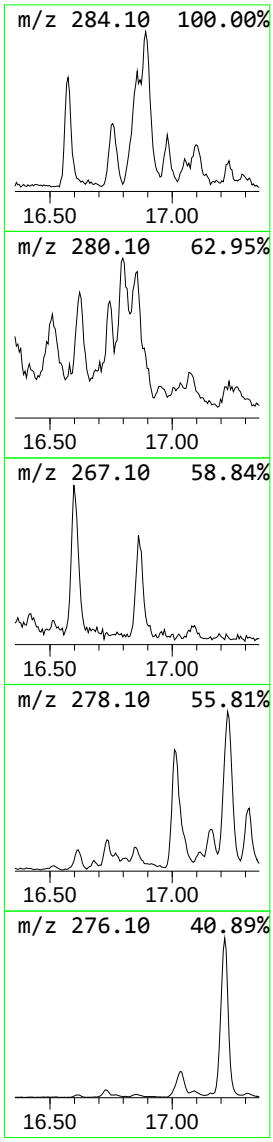
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (1,1'-Binaphthalene)-2,2'-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.856	5.77 ng	358747	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Binaphthalene)-2,2'-diamine	284	C20H16N2	004488-22-6	55
2	9-(o-Toluidino)acridine	284	C20H16N2	080266-77-9	30
3	4-Methyl-2-(4-methylquinolin-2-y...	284	C20H16N2	1000326-82-1	22
4	2-(4-Biphenylyl)-8-methylimidazo...	284	C20H16N2	1000224-31-4	22
5	9-(4-Amino-O-tolyl)acridine	284	C20H16N2	030189-60-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

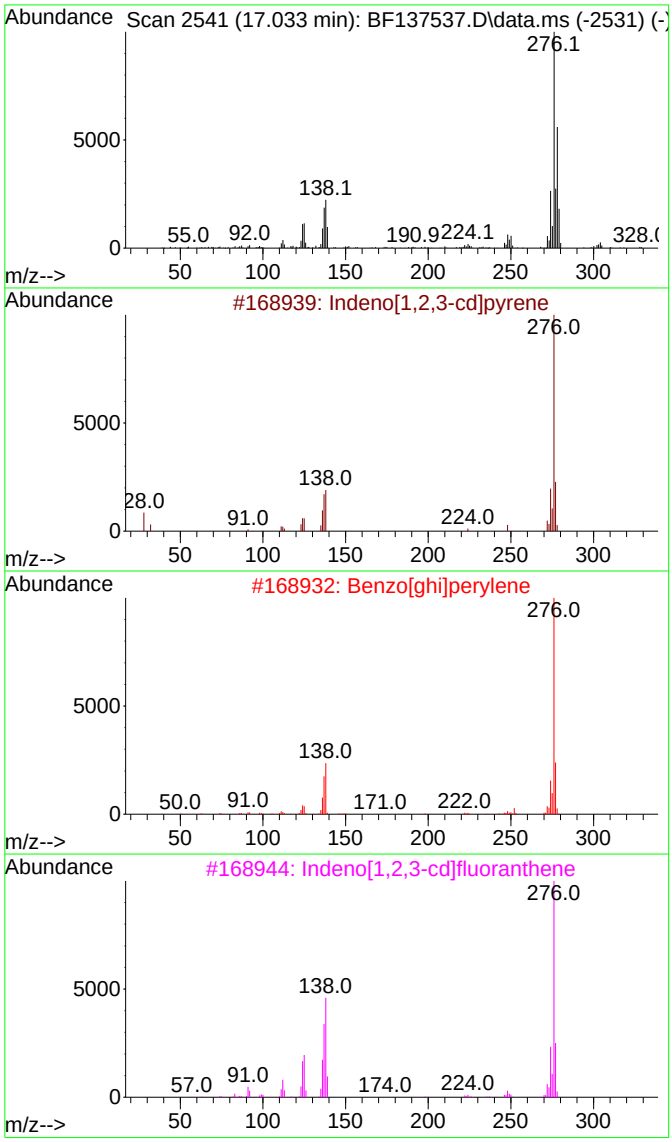
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

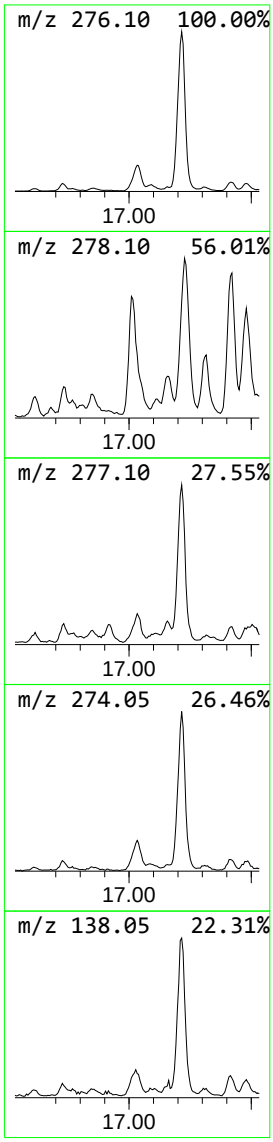
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Indeno[1,2,3-cd]fluoranthene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.033	8.59 ng	534620	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
5	4-Hydroxy-2-chlorobiphenyl, trim...	276	C15H17ClOSi	1000447-61-8	53





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Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

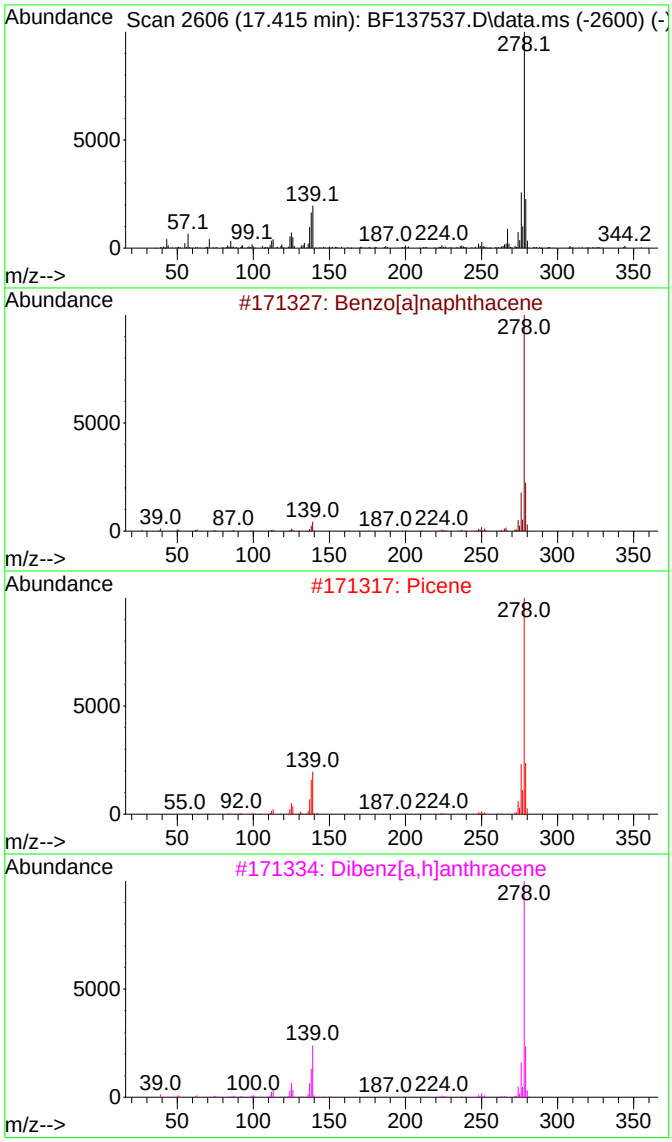
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

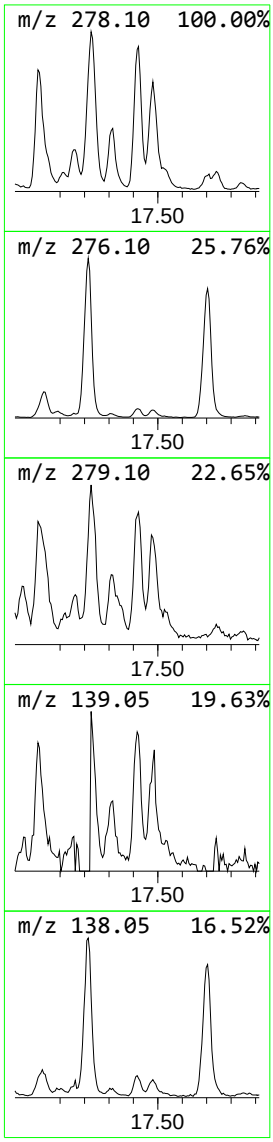
****

Peak Number 19 Benzo[a]naphthacene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.415	7.90 ng	491318	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	97
2	Picene	278	C22H14	000213-46-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

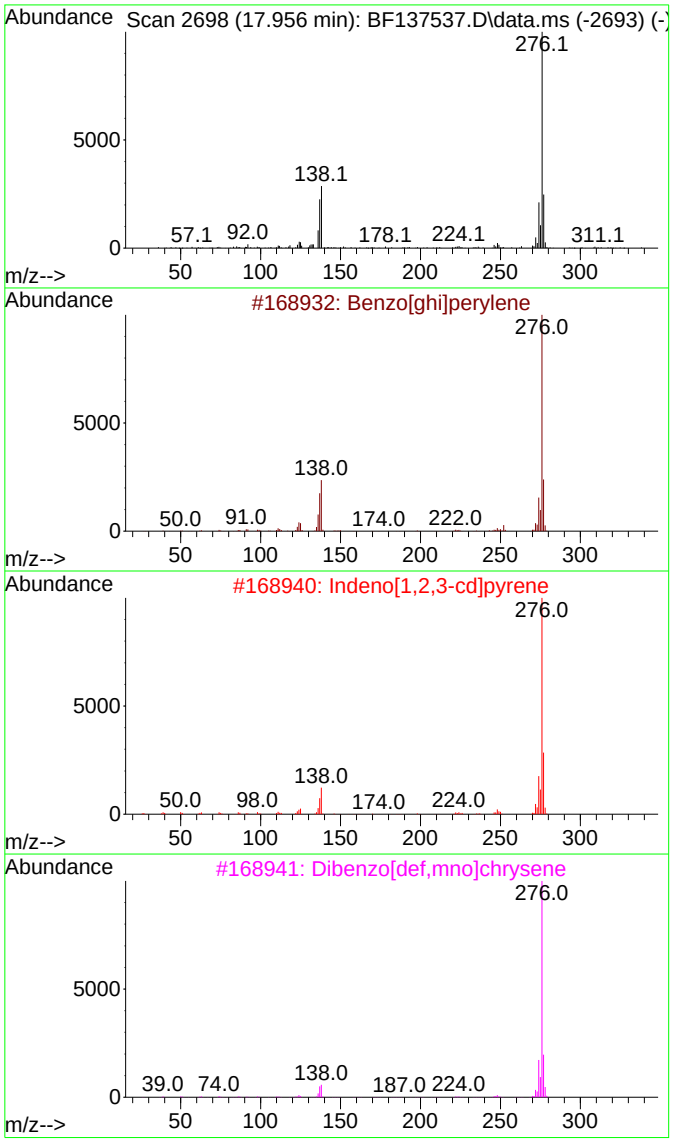
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

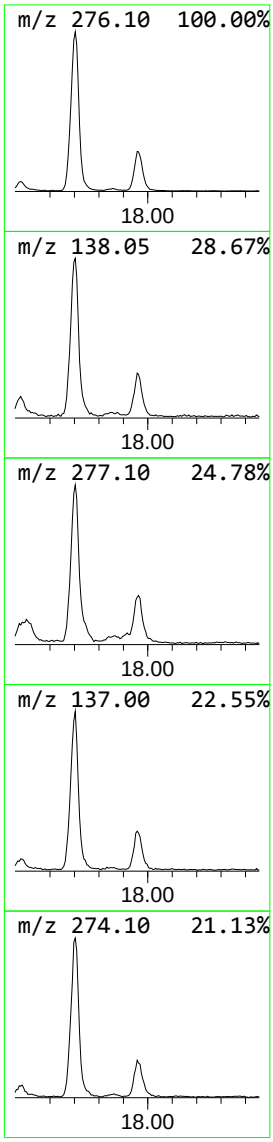
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.956	6.80 ng	423215	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
Data File : BF137537.D
Acq On : 07 Mar 2024 18:50
Operator : CG\JU
Sample : P1688-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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
Butane, 2-metho...	2.199	30.7	ng	1810370	1	6.881	1181050	20.0
2-[2-Phenylethe...	11.139	4.4	ng	355086	4	11.404	1607310	20.0
4-(4-Methylphen...	11.251	5.6	ng	450456	4	11.404	1607310	20.0
Dibenzothiophene	11.298	7.0	ng	559124	4	11.404	1607310	20.0
Anthracene, 2-m...	11.910	11.4	ng	914365	4	11.404	1607310	20.0
Phenanthrene, 2...	11.939	15.8	ng	1273140	4	11.404	1607310	20.0
Anthracene, 1-m...	11.986	6.1	ng	489615	4	11.404	1607310	20.0
4H-Cyclopenta[d...	12.021	15.6	ng	1257250	4	11.404	1607310	20.0
Propyne, 1,3-di...	12.045	6.8	ng	547650	4	11.404	1607310	20.0
Naphthalene, 2-...	12.210	7.7	ng	616717	4	11.404	1607310	20.0
Phenanthrene, 2...	12.463	5.8	ng	467574	4	11.404	1607310	20.0
Cyclopenta(def)...	12.551	5.6	ng	452600	4	11.404	1607310	20.0
unknown14.868	14.868	4.9	ng	302030	6	15.615	1244090	20.0
Benz(a)anthrace...	14.980	6.7	ng	419339	6	15.615	1244090	20.0
Benzo[e]pyrene	15.262	12.9	ng	799139	6	15.615	1244090	20.0
Perylene	15.480	45.0	ng	2800990	6	15.615	1244090	20.0
(1,1'-Binaphtha...	16.856	5.8	ng	358747	6	15.615	1244090	20.0
Indeno[1,2,3-cd...	17.033	8.6	ng	534620	6	15.615	1244090	20.0
Benzo[a]naphtha...	17.415	7.9	ng	491318	6	15.615	1244090	20.0
Dibenzo[def,mno...	17.956	6.8	ng	423215	6	15.615	1244090	20.0