LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134467.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	572	575	585	rBV	632825	697402	7.15%	0.667%
2	6.475	743	746	762	rBV	577548	652353	6.69%	0.624%
3	6.834	803	807	813	rBV	471712	389871	4.00%	0.373%
4	8.110	1021	1024	1026	rBV	561223	460934	4.72%	0.441%
5	8.133	1026	1028	1032	rVB	499389	359194	3.68%	0.343%
6	8.828	1142	1146	1149	rBV	906692	719360	7.37%	0.688%
7	8.922	1159	1162	1166	rBV	735320	649695	6.66%	0.621%
8	9.186	1202	1207	1211	rBV	567504	445732	4.57%	0.426%
9	9.457	1248	1253	1257	rVV	660164	861196	8.83%	0.823%
10	9.528	1261	1265	1268	rVV	1086690	1108060	11.36%	1.060%
11	9.557	1268	1270	1273	rVV	676742	511381	5.24%	0.489%
12	9.645	1282	1285	1291	rVB	511372	526207	5.39%	0.503%
13	9.728	1296	1299	1304	rVB	445803	421484	4.32%	0.403%
14	9.869	1321	1323	1326	rVV	551244	421404	4.32%	0.403%
15	9.904	1326	1329	1332	rVV2	570402	493997	5.06%	0.472%
16	10.075	1354	1358	1361	rVV2	662653	610774	6.26%	0.584%
17	10.116	1361	1365	1368	rVB	588787	501870	5.14%	0.480%
18	10.186	1373	1377	1380	rBV	459677	449195	4.60%	0.430%
19	10.216	1380	1382	1388	rVB	453260	362386	3.71%	0.347%
20	10.280	1388	1393	1394	rBV	263724	337917	3.46%	0.323%
21	10.422	1414	1417	1423	rVB	1302362	1269069	13.01%	1.214%
22	10.575	1438	1443	1447	rVB3	195358	280352	2.87%	0.268%
23	10.663	1452	1458	1462	rVV3	453491	577526	5.92%	0.552%
24	10.786	1474	1479	1485	rVB3	258849	314138	3.22%	0.300%
25	10.975	1505	1511	1513	rBV	623193	731301	7.50%	0.699%
26	10.998	1513	1515	1518	rVV	352650	326008	3.34%	0.312%
27	11.057	1522	1525	1527	rVB	337732	287039	2.94%	0.274%
28	11.174	1542	1545	1548	rVV2	278472	247255	2.53%	0.236%
29	11.263	1556	1560	1566	rVB	406383	407444	4.18%	0.390%
30	11.369	1574	1578	1579	rBV	350866	323956	3.32%	0.310%
31	11.404	1579	1584	1587	rVV	5064259	5891665	60.39%	5.634%
32	11.451	1588	1592	1594	rVV	1481747	1239399	12.70%	1.185%
33	11.480	1594	1597	1599	rVV2	254680	314684	3.23%	0.301%
34	11.604	1614	1618	1624	rBV2	133548	277369	2.84%	0.265%
35	11.663	1625	1628	1630	rVV	301196	249672	2.56%	0.239%
36	11.698	1630	1634	1639	rVB2	327410	424776	4.35%	0.406%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
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Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.780	1643	1648	1652	rVB2	208326	269655	2.76%	0.258%
38	11.880	1660	1665	1667	rBV	2476436	2378301	24.38%	2.274%
39	11.910	1667	1670	1673	rVB	3097988	2688683	27.56%	2.571%
40	11.957	1673	1678	1681	rBV	671270	681561	6.99%	0.652%
41	11.992	1681	1684	1686	rVV	2873762	2930013	30.03%	2.802%
42	12.016	1686	1688	1691	rVB	1807011	1319453	13.53%	1.262%
43	12.169	1711	1714	1718	rVV	876182	743711	7.62%	0.711%
44	12.204	1718	1720	1724	rVB2	351275	363345	3.72%	0.347%
45	12.321	1734	1740	1742	rBV	644958	674269	6.91%	0.645%
46	12.357	1742	1746	1748	rVV	888941	837587	8.59%	0.801%
47	12.380	1748	1750	1753	rVB	627068	494641	5.07%	0.473%
48	12.433	1754	1759	1761	rBV	1748478	1827213	18.73%	1.747%
49	12.469	1761	1765	1767	rVV2	992555	1314160	13.47%	1.257%
50	12.527	1771	1775	1779	rBV2	744115	1092027	11.19%	1.044%
51	12.610	1783	1789	1792	rBV	5190923	6829985	70.01%	6.531%
52	12.657	1796	1797	1801	rVB2	270213	242785	2.49%	0.232%
53	12.745	1809	1812	1815	rBV	352069	309132	3.17%	0.296%
54	12.845	1822	1829	1832	rBV	5997919	9755632	100.00%	9.329%
55	12.880	1832	1835	1838	rVB	699125	728800	7.47%	0.697%
56	12.927	1838	1843	1844	rBV3	255390	334336	3.43%	0.320%
57	12.963	1846	1849	1851	rVV2	444045	445125	4.56%	0.426%
58	12.986	1851	1853	1857	rVB2	323835	332246	3.41%	0.318%
59	13.051	1858	1864	1870	rBV2	1064021	1729937	17.73%	1.654%
60	13.133	1875	1878	1880	rBV3	698944	938687	9.62%	0.898%
61	13.163	1880	1883	1886	rVB	1797751	1649626	16.91%	1.577%
62	13.227	1890	1894	1897	rBV	1349615	1231289	12.62%	1.177%
63	13.268	1897	1901	1904	rBV	2041648	2126673	21.80%	2.034%
64	13.363	1912	1917	1919	rBV	1309761	1319941	13.53%	1.262%
65	13.392	1919	1922	1924	rVB	1462239	1169811	11.99%	1.119%
66	13.468	1930	1935	1939	rBV2	250835	327055	3.35%	0.313%
67	13.563	1948	1951	1953	rBV	243218	272085	2.79%	0.260%
68	13.645	1961	1965	1967	rBV2	340261	478371	4.90%	0.457%
69	13.674	1967	1970	1974	rVB2	680868	729473	7.48%	0.698%
70	13.733	1977	1980	1983	rBV	371425	343101	3.52%	0.328%
71	13.786	1983	1989	1991	rBV2	810157	1323515	13.57%	1.266%
72	13.810	1991	1993	1995	rVB	905750	681782	6.99%	0.652%
73	13.839	1995	1998	2003	rBV3	561066	761414	7.80%	0.728%
74	13.886	2003	2006	2009	rVB	443233	387551	3.97%	0.371%
75	14.033	2024	2031	2034	rBV	3256793	4776751	48.96%	4.568%
76	14.074	2034	2038	2041	rVV	3351332	3740458	38.34%	3.577%

LSC Area Percent Report

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Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-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

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.145	2048	2050	2053	rBV	481324	361773	3.71%	0.346%
78	14.192	2055	2058	2063	rBV4	338168	513184	5.26%	0.491%
79	14.386	2089	2091	2093	rVV	440936	401880	4.12%	0.384%
80	14.427	2093	2098	2101	rVV	1402371	1774472	18.19%	1.697%
81	14.463	2101	2104	2107	rVV	817667	804506	8.25%	0.769%
82	14.504	2107	2111	2113	rVV3	386527	626305	6.42%	0.599%
83	14.527	2113	2115	2117	rVV	513968	484277	4.96%	0.463%
84	14.557	2117	2120	2121	rVV	696309	660168	6.77%	0.631%
85	14.574	2121	2123	2126	rVV2	609560	602280	6.17%	0.576%
86	14.621	2126	2131	2134	rVV2	312512	445425	4.57%	0.426%
87	14.762	2151	2155	2157	rBV3	173053	249228	2.55%	0.238%
88	14.939	2181	2185	2188	rBV	297779	356485	3.65%	0.341%
89	15.115	2207	2215	2217	rBV	1791862	3169614	32.49%	3.031%
90	15.215	2228	2232	2235	rVB	381629	388703	3.98%	0.372%
91	15.421	2262	2267	2273	rVB	1227746	1717623	17.61%	1.642%
92	15.498	2273	2280	2285	rBV	1687370	2474956	25.37%	2.367%
93	15.586	2291	2295	2301	rVB2	471984	719641	7.38%	0.688%
94	15.733	2315	2320	2323	rBV2	153559	308284	3.16%	0.295%
95	15.921	2349	2352	2359	rVB	174803	265817	2.72%	0.254%
96	16.139	2385	2389	2393	rVB	196117	263581	2.70%	0.252%
97	17.109	2546	2554	2561	rBV	638562	1380538	14.15%	1.320%
98	17.280	2578	2583	2590	rBV	148839	352704	3.62%	0.337%
99	17.586	2627	2635	2645	rVB	503014	1157608	11.87%	1.107%
100	17.833	2673	2677	2690	rVB3	128007	376406	3.86%	0.360%

Sum of corrected areas: 104577703

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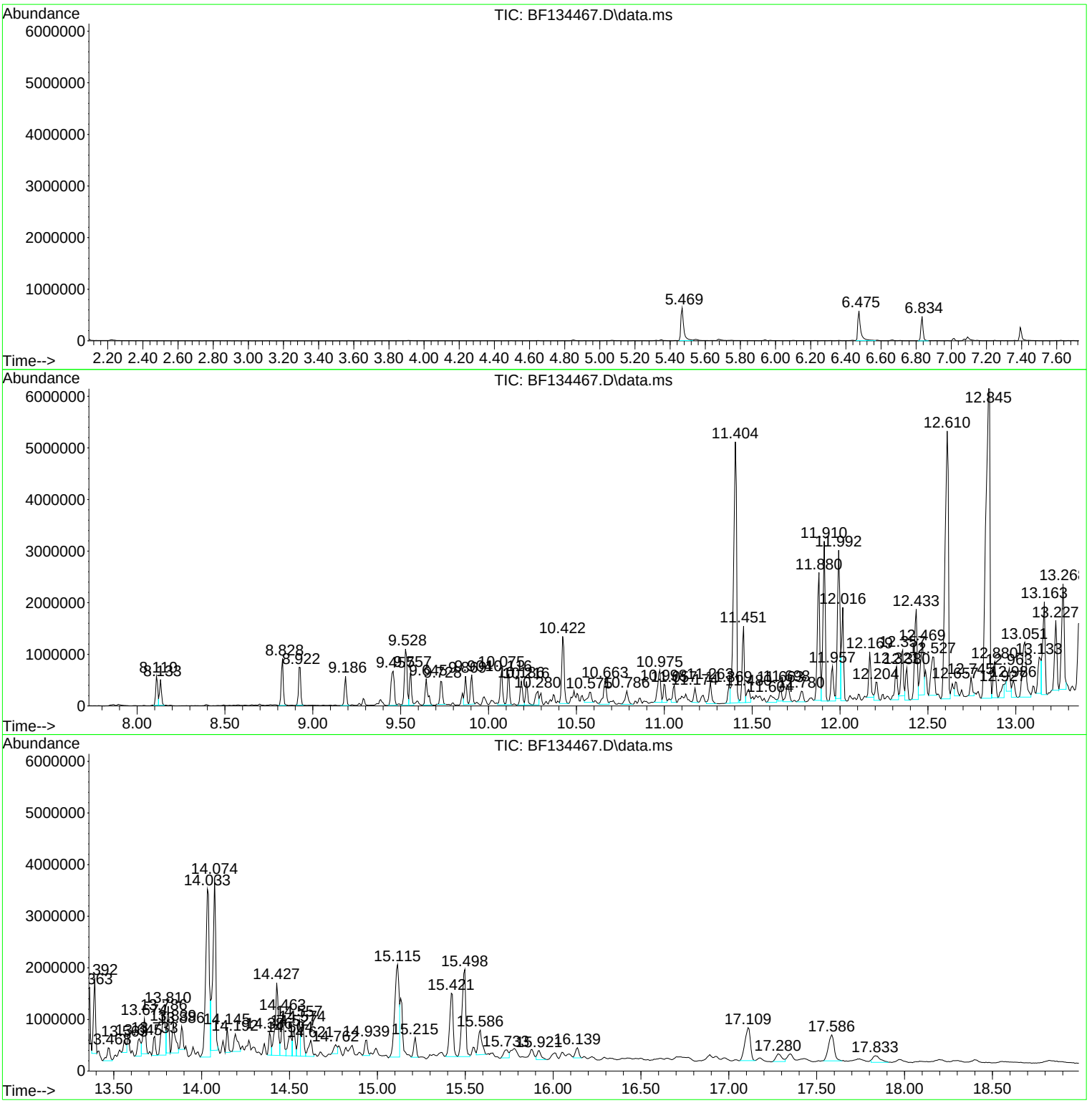
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

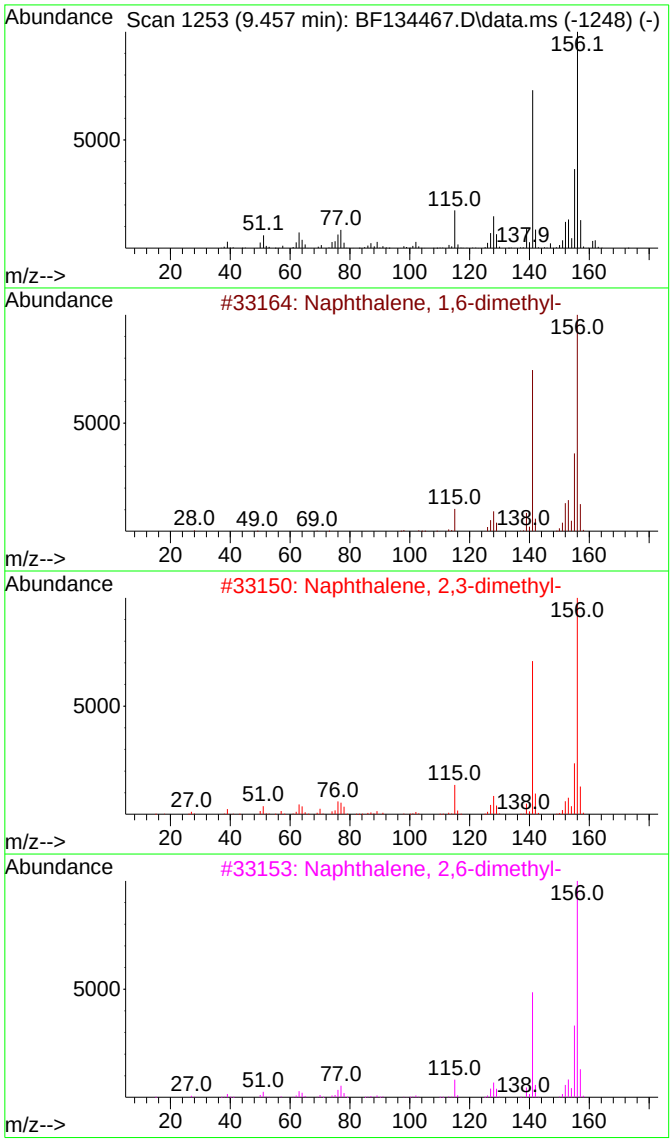
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

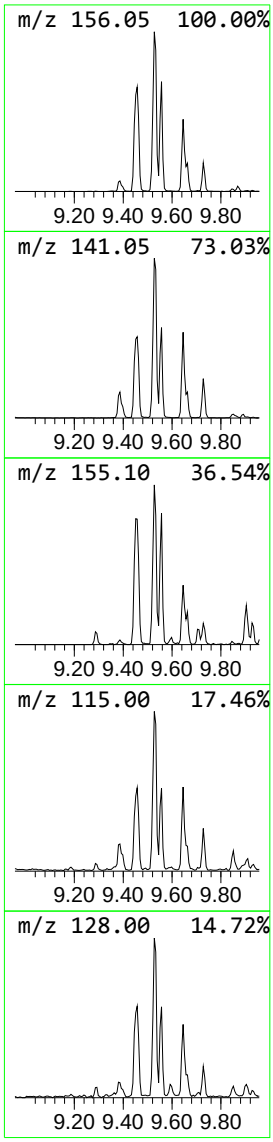
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	40.87 ng	861196	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

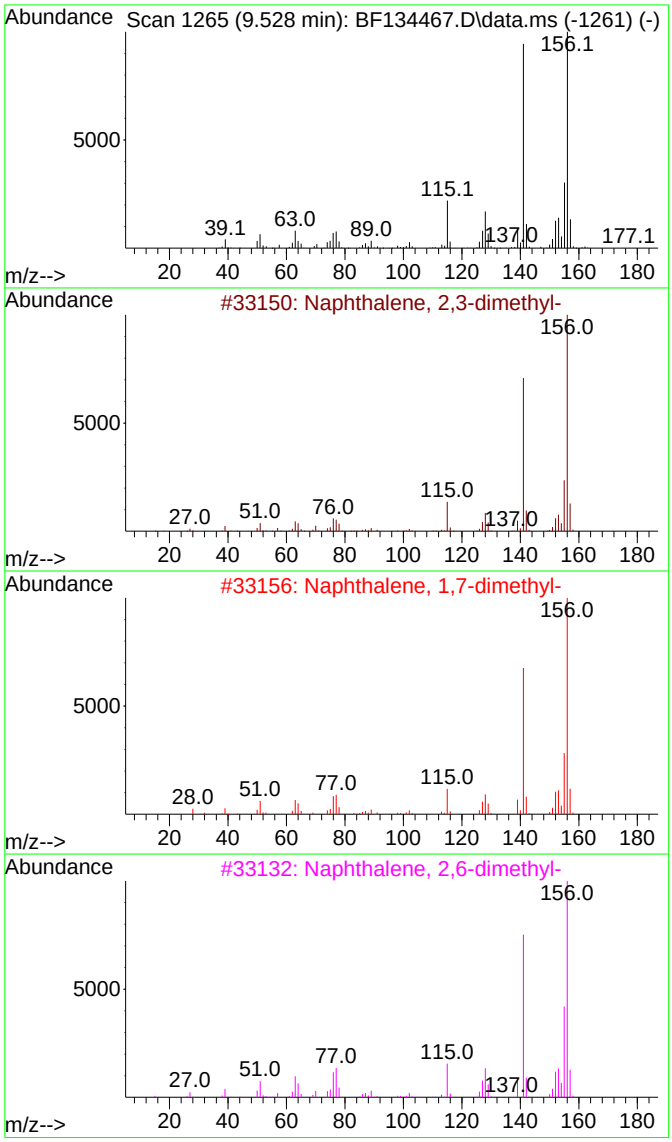
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

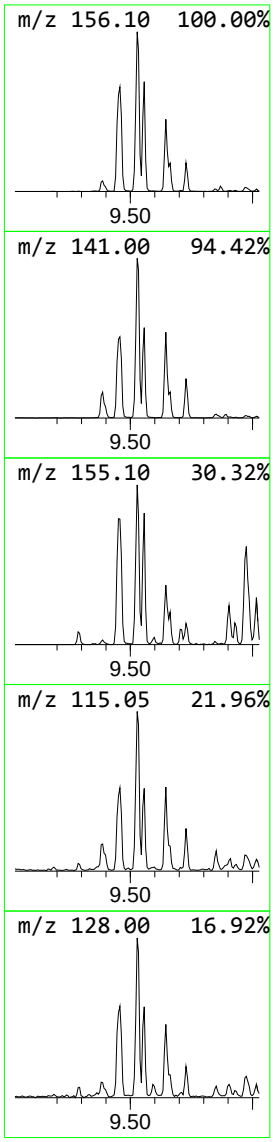
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.528	52.59 ng	1108060	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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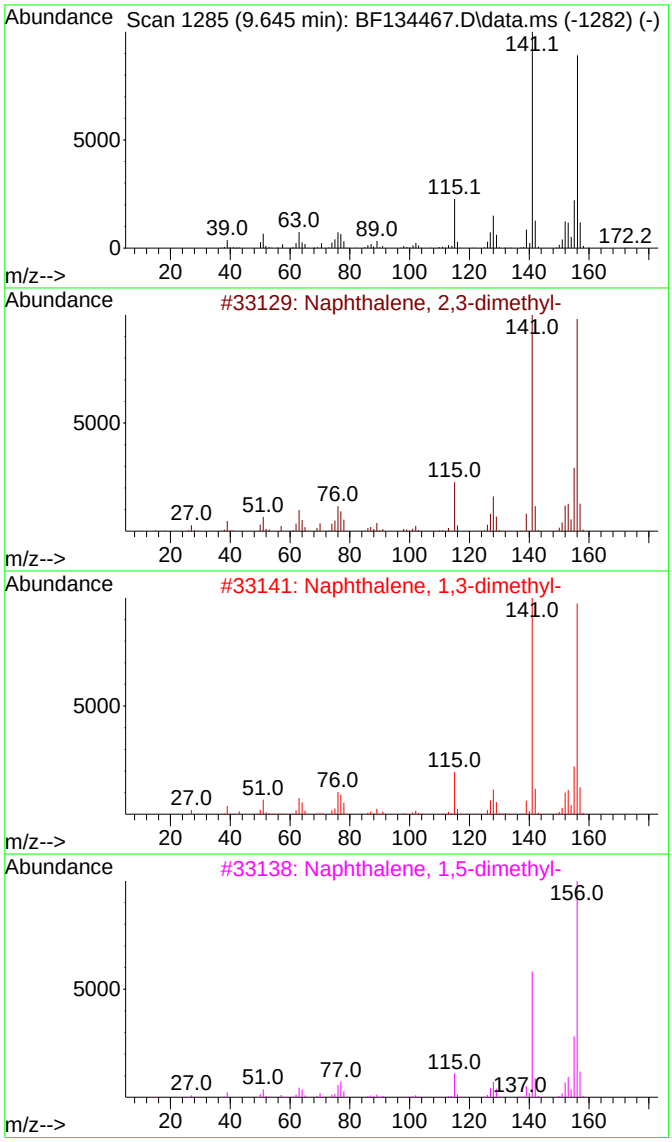
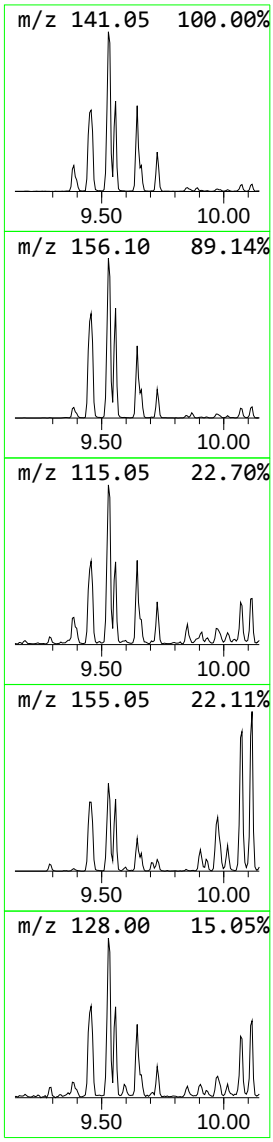
Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.645	24.97 ng	526207	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

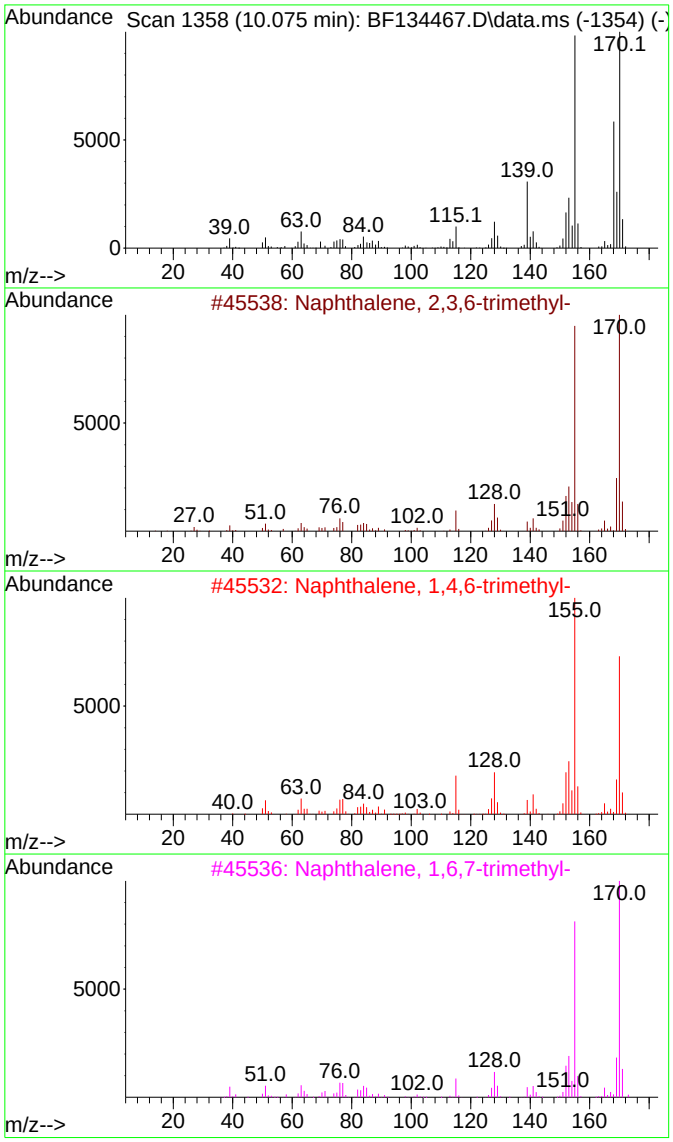
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

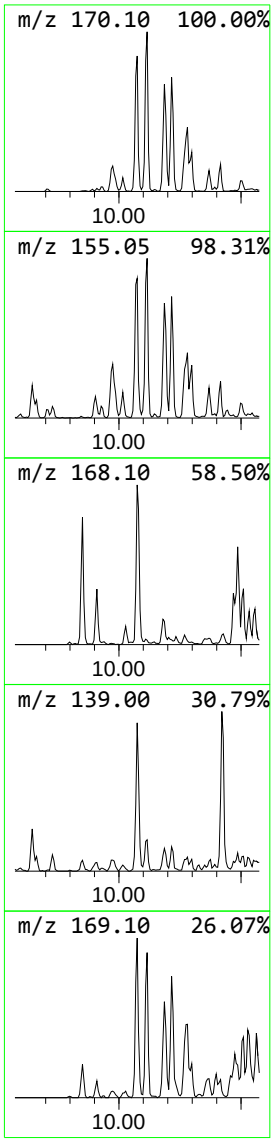
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.075	28.99 ng	610774	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	89
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

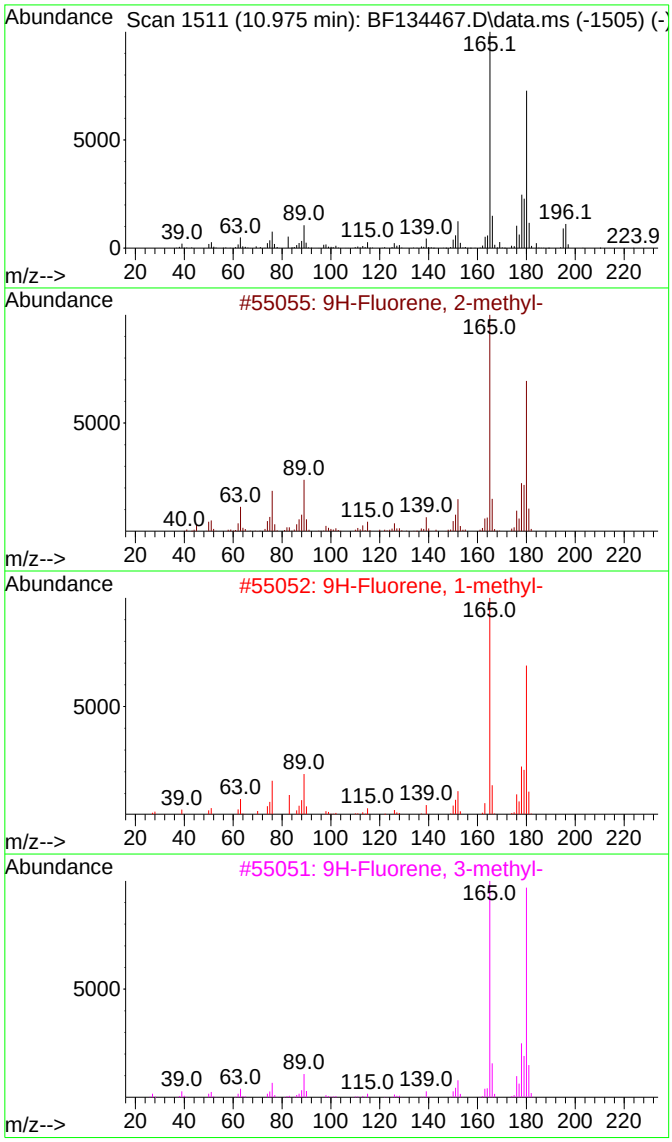
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

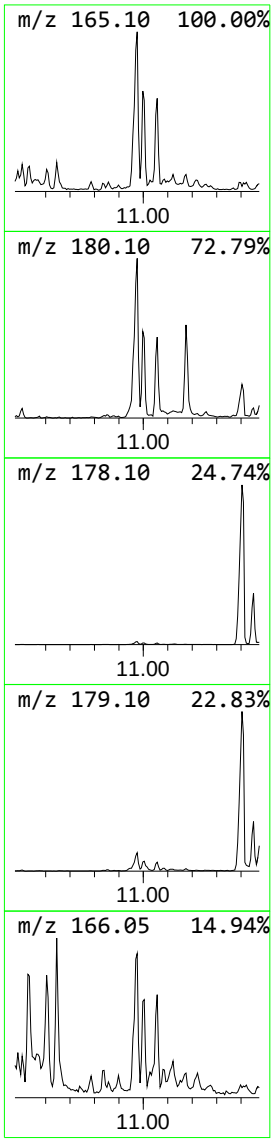
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.975	45.15 ng	731301	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





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Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

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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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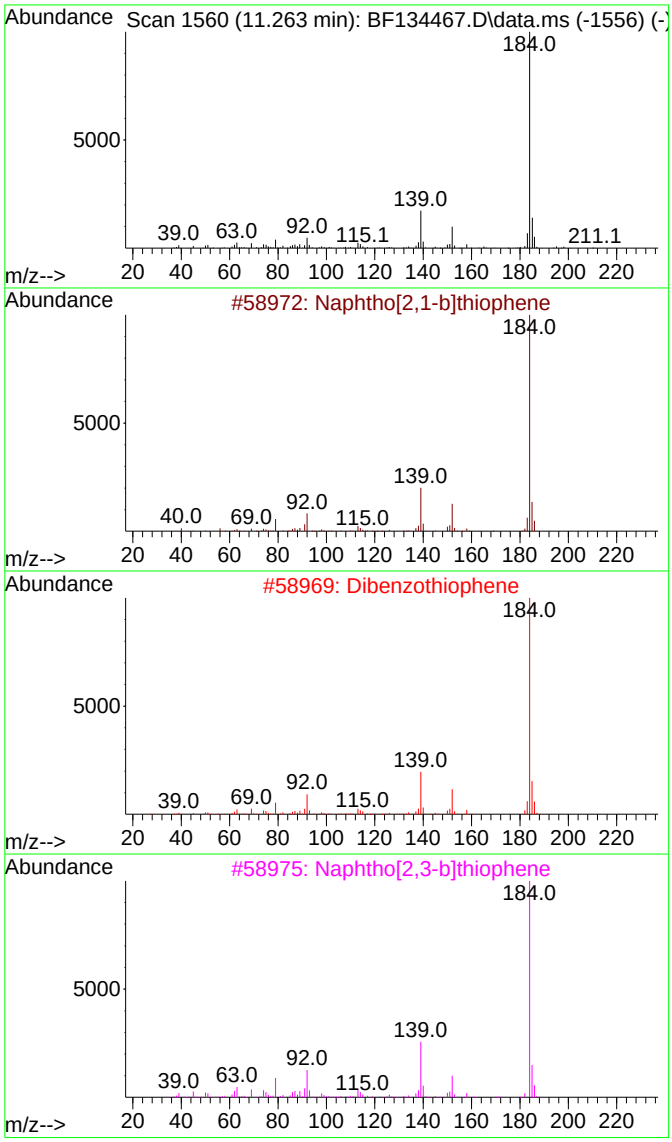
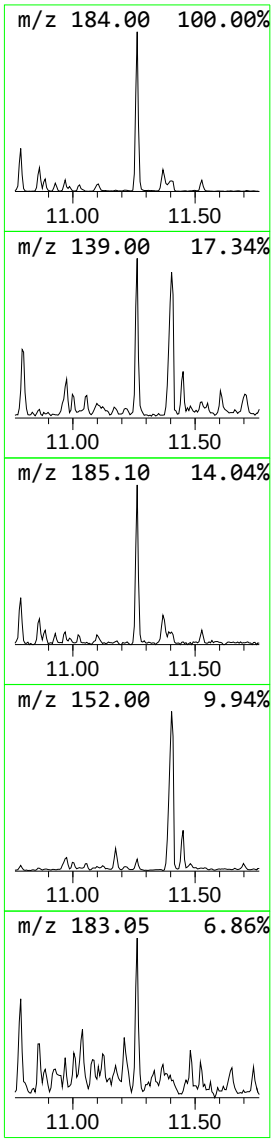
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	25.15 ng	407444	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83





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Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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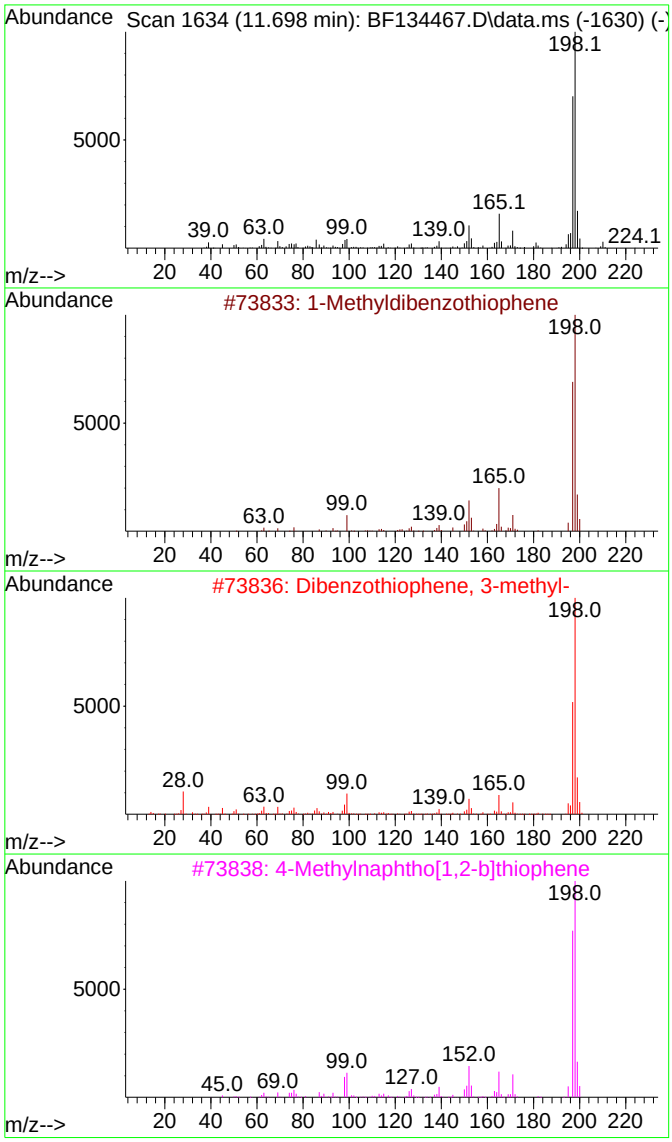
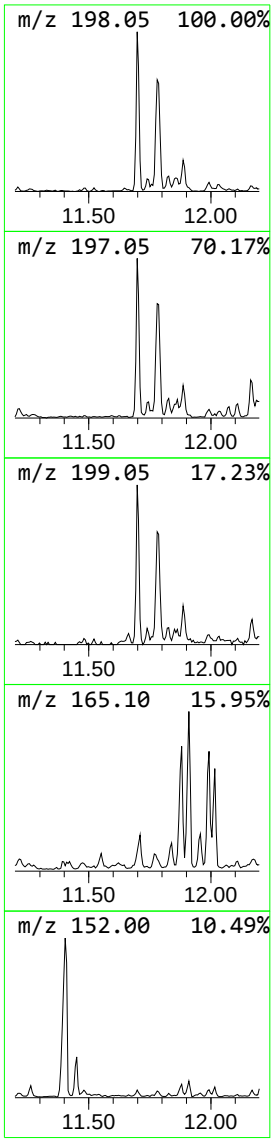
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.698	26.22 ng	424776	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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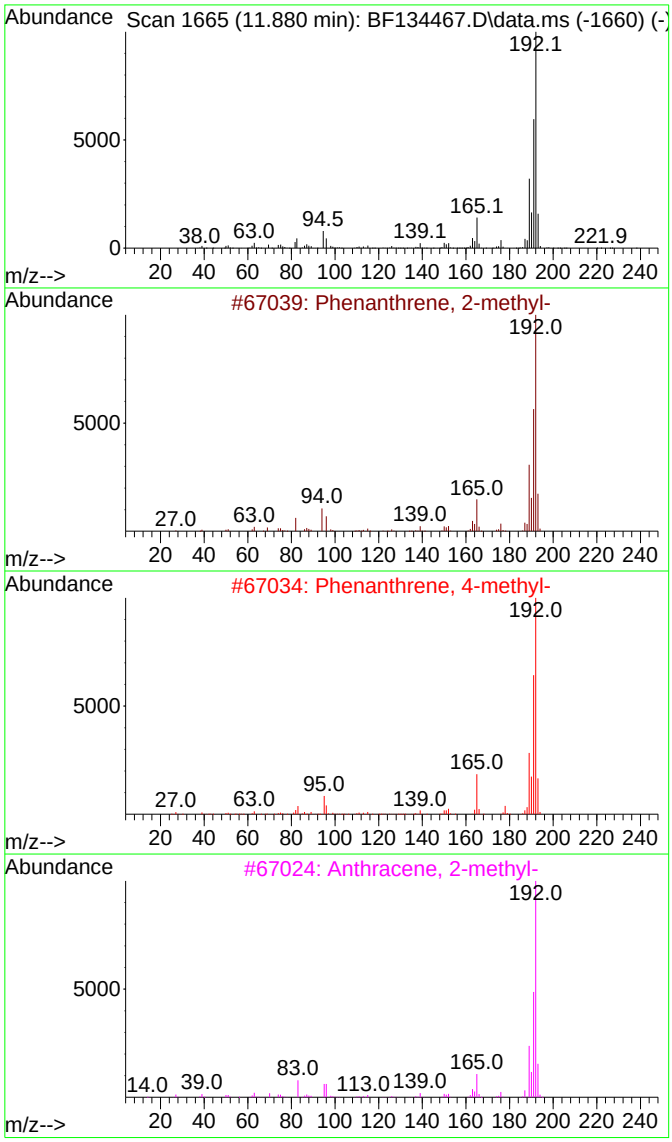
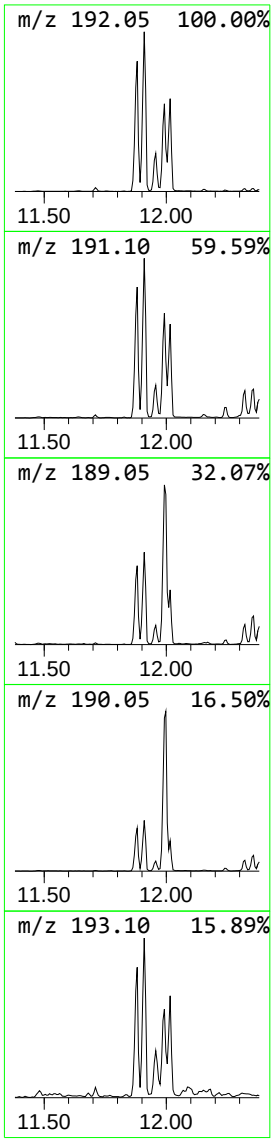
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	146.83 ng	2378300	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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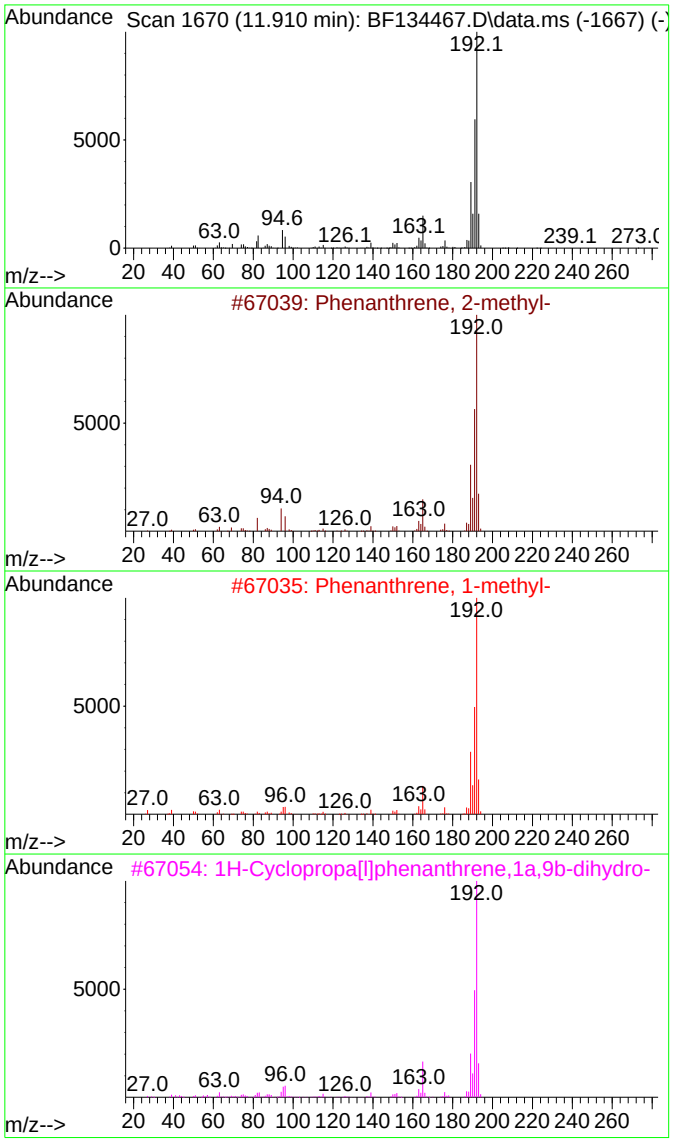
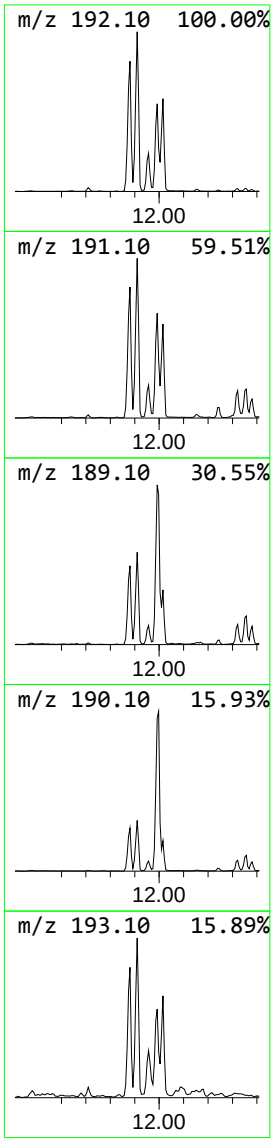
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	165.99 ng	2688680	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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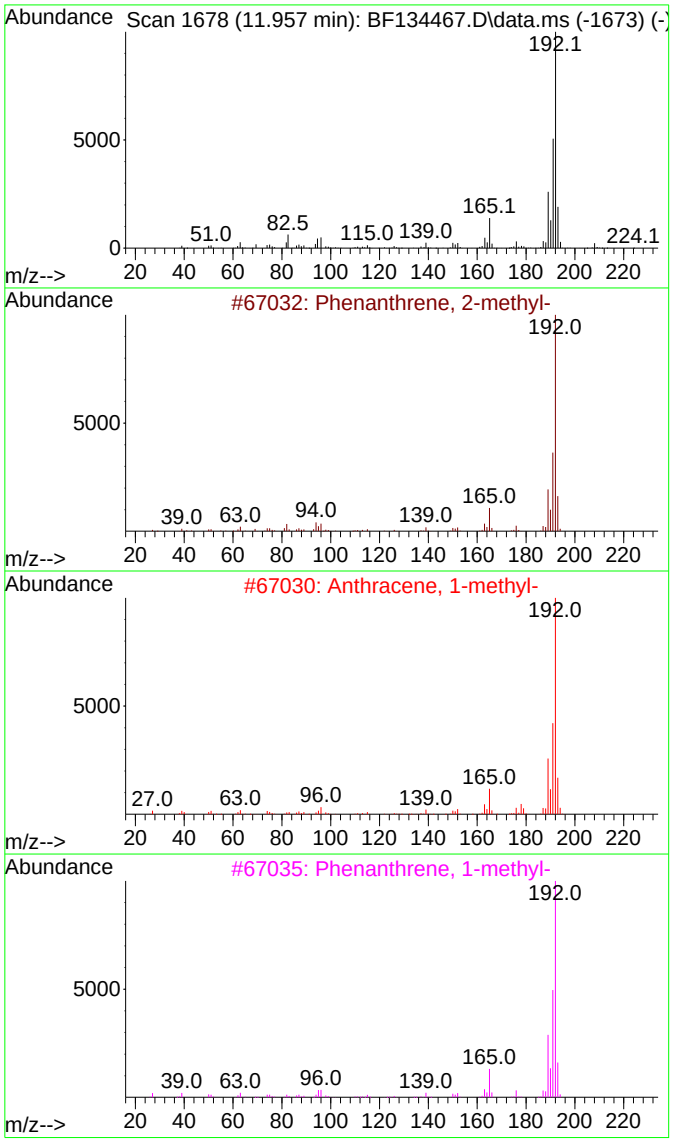
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

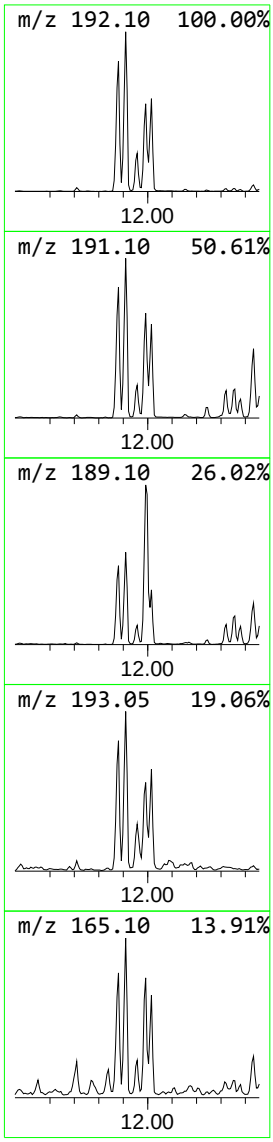
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	42.08 ng	681561	Phenanthrene-d10	11.369

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





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Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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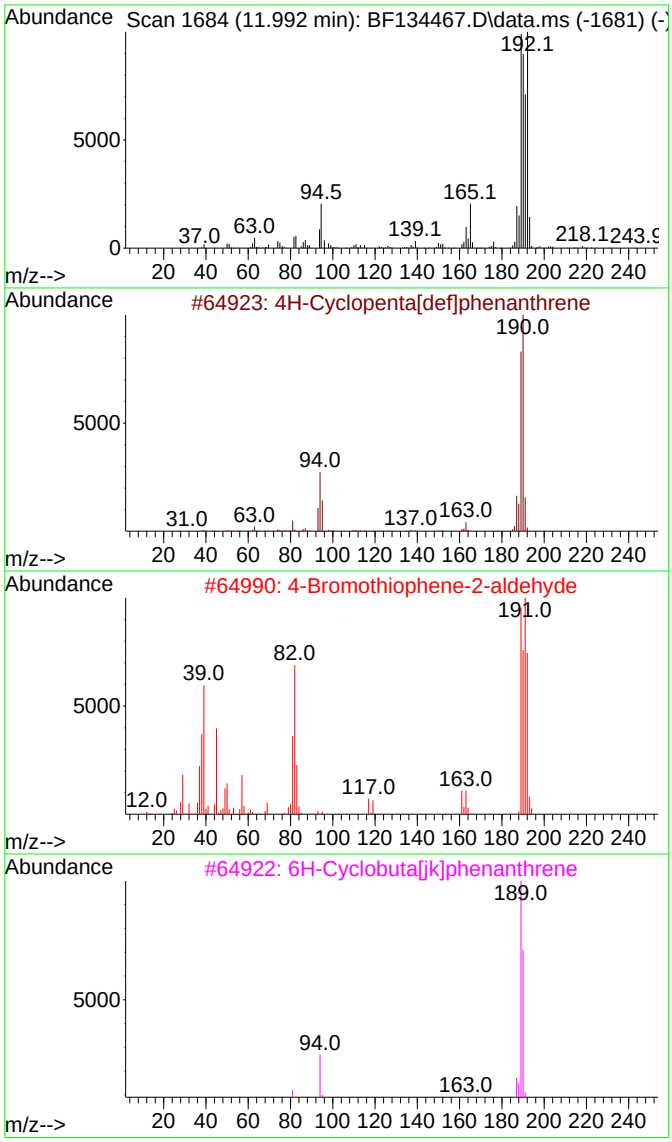
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

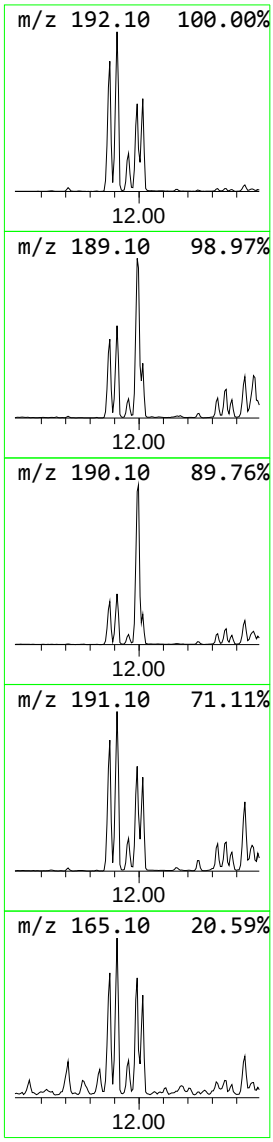
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	180.89 ng	2930010	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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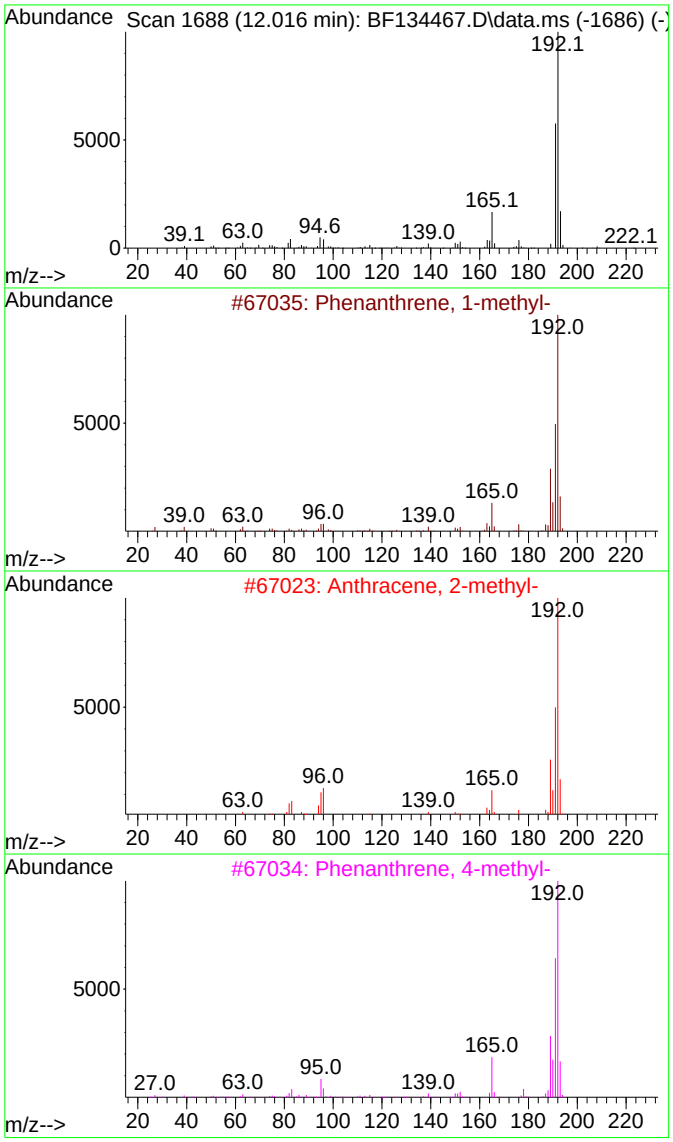
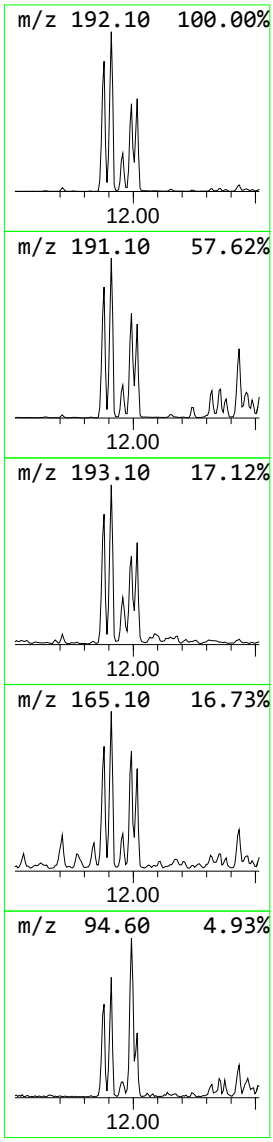
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	81.46 ng	1319450	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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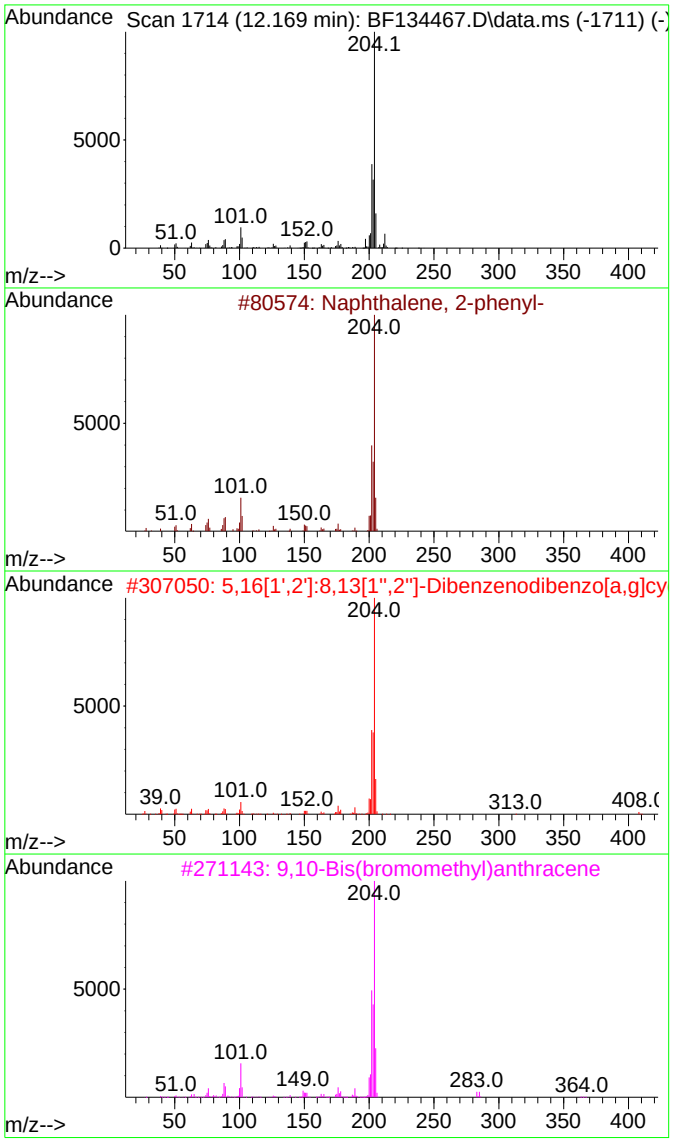
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

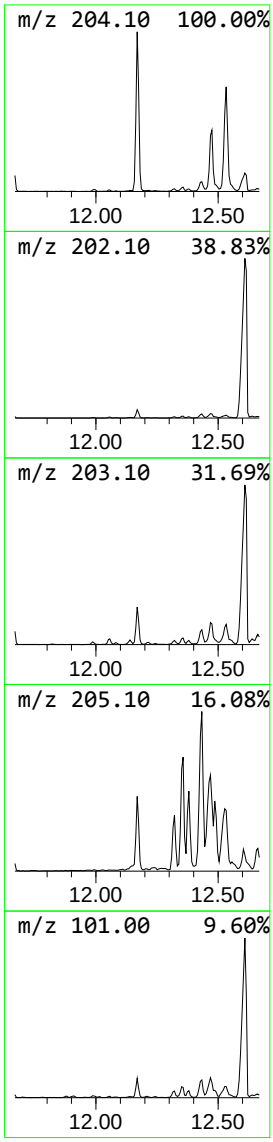
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	45.91 ng	743711	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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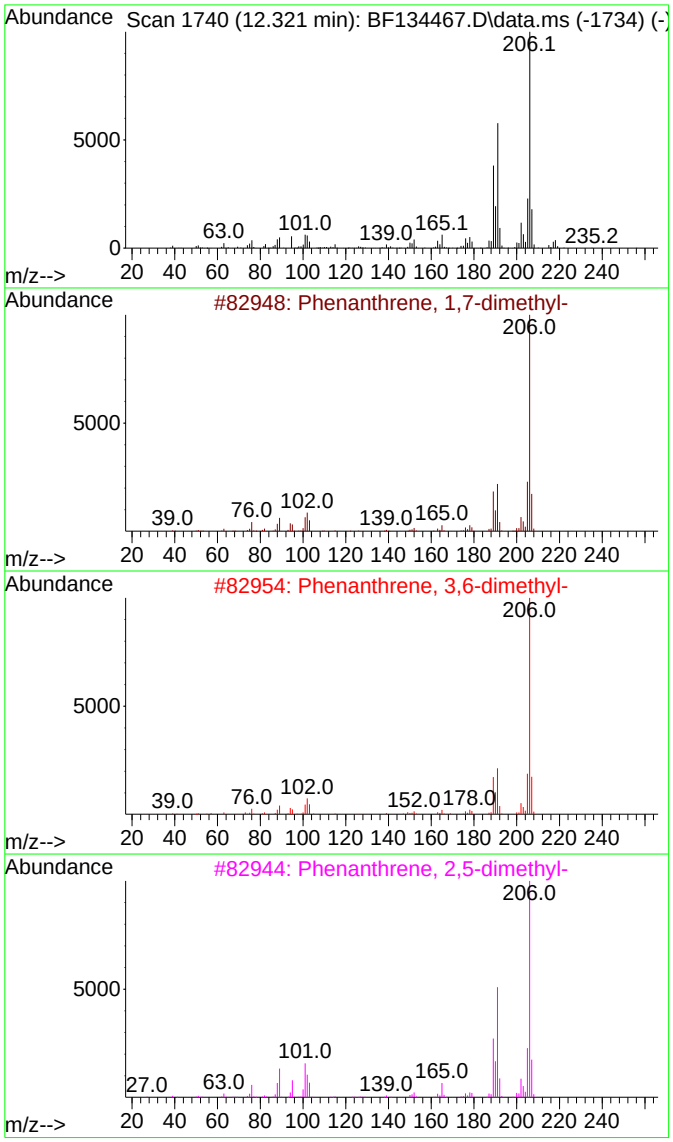
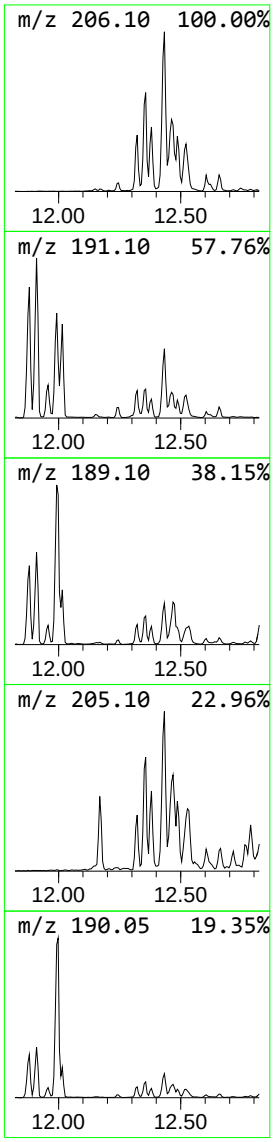
Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.322	41.63 ng	674269	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

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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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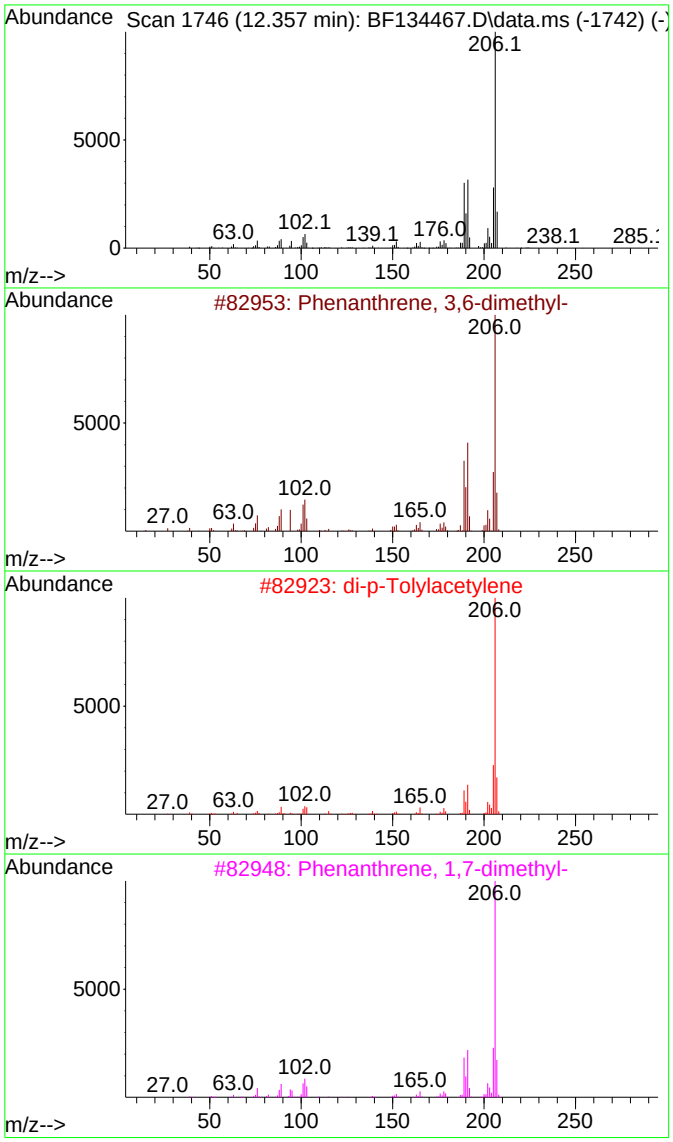
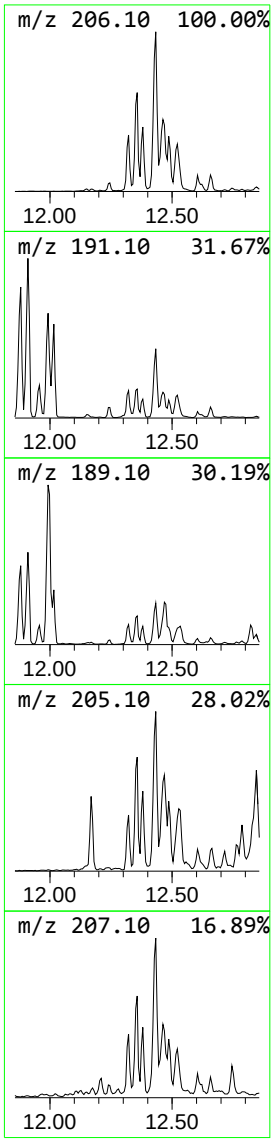
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	51.71 ng	837587	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74





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Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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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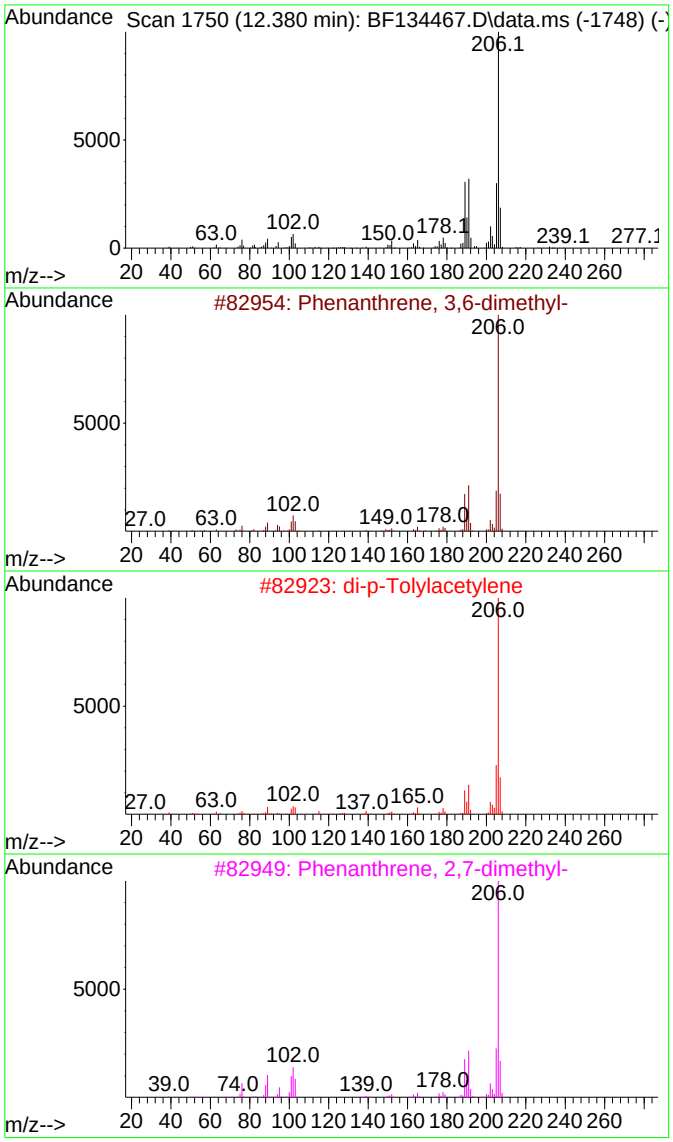
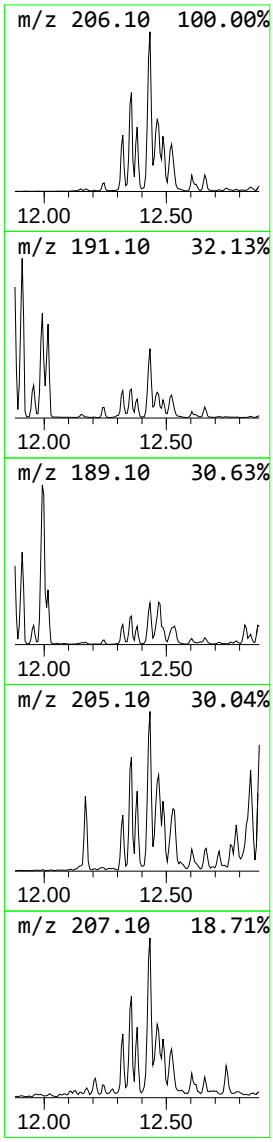
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	30.54 ng	494641	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76





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Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

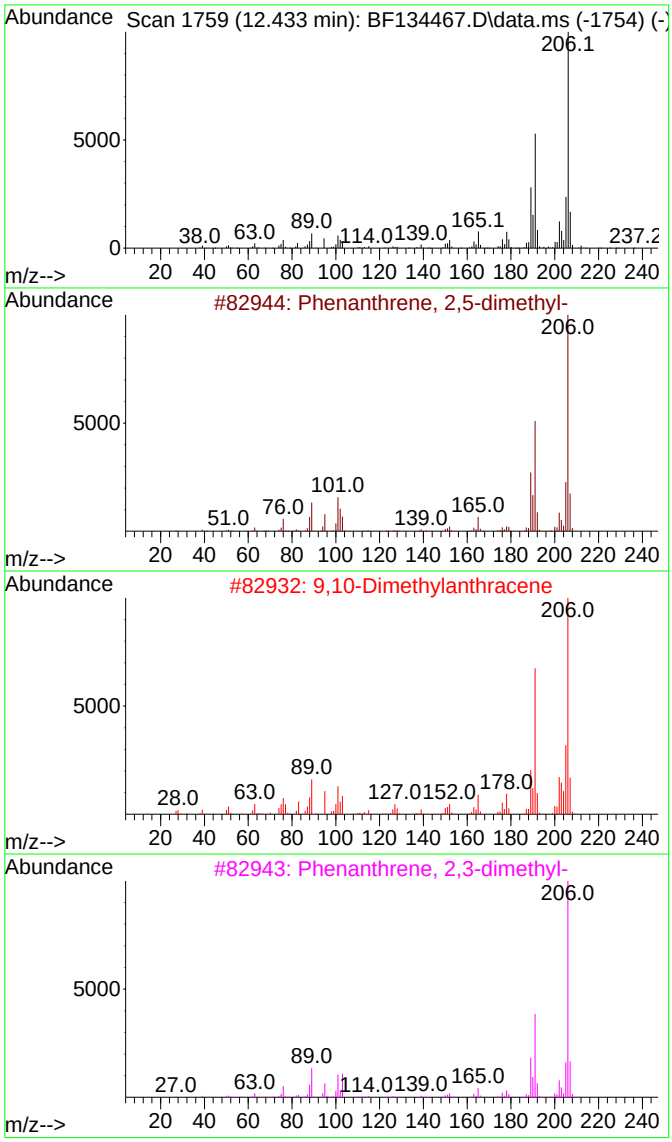
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

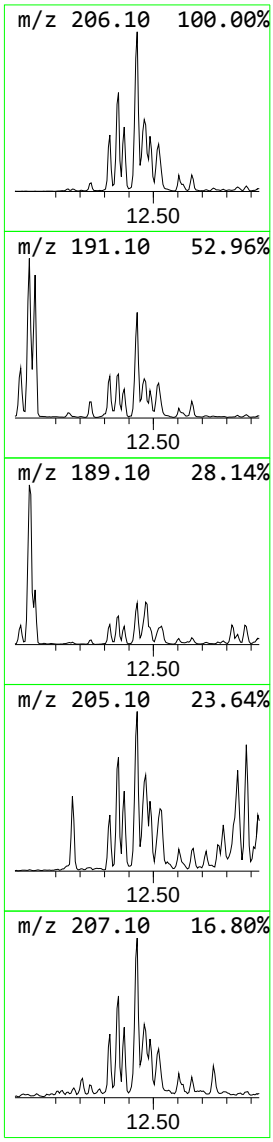
****

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	112.81 ng	1827210	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

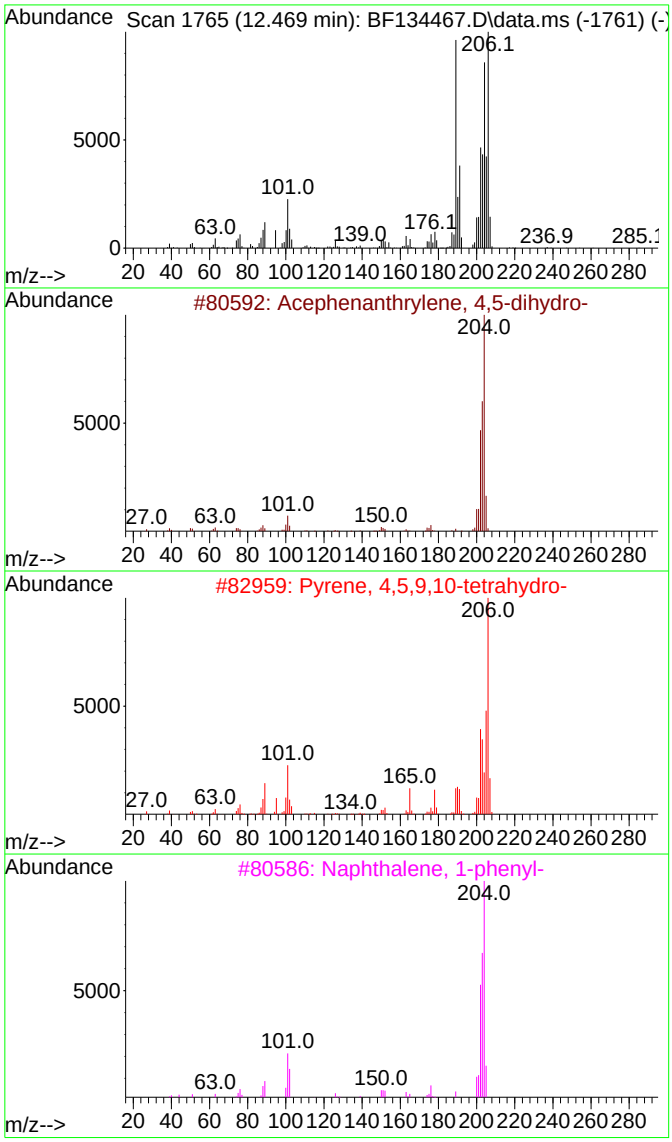
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

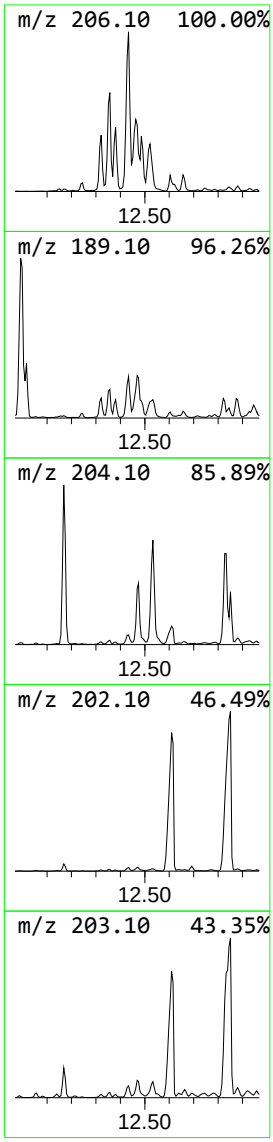
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Acephenanthrylene, 4,5-dihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	81.13 ng	1314160	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

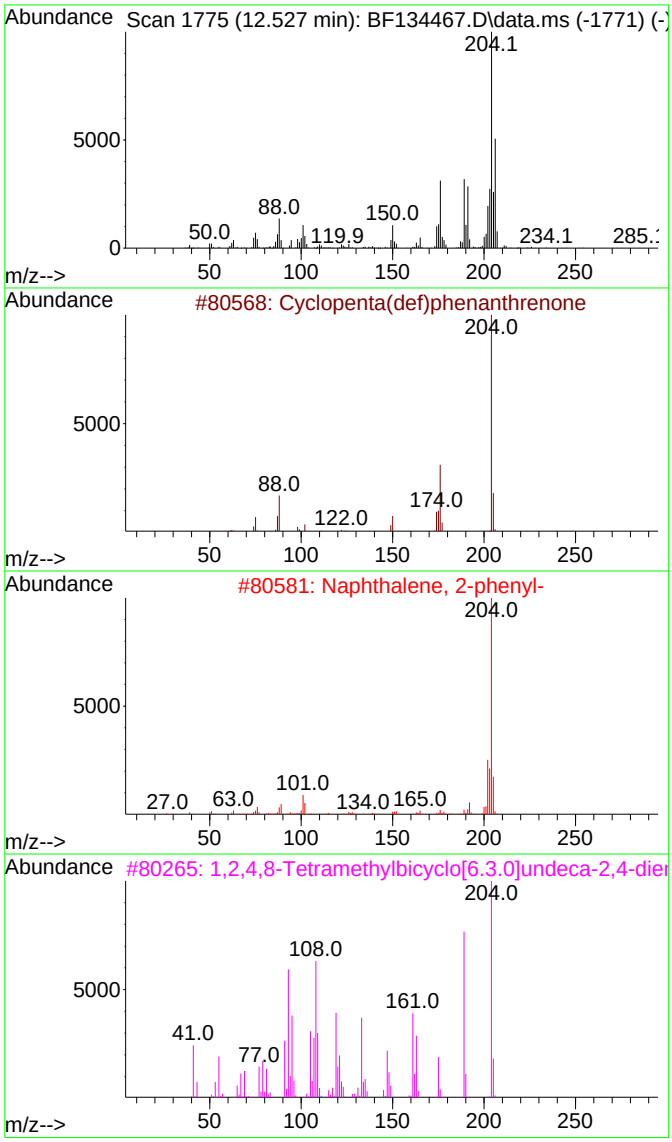
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

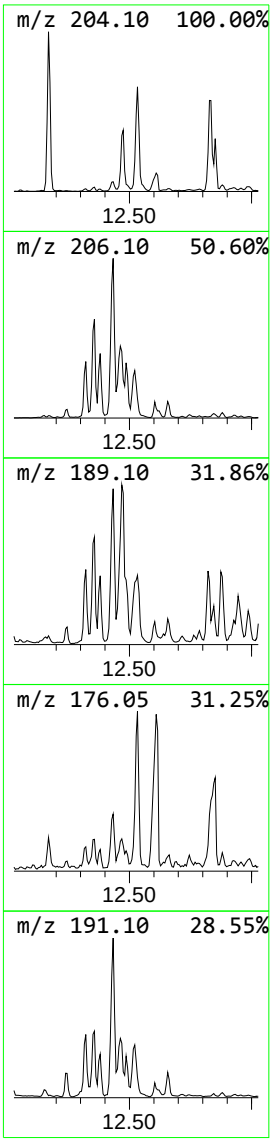
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	67.42 ng	1092030	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30





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Data File : BF134467.D
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Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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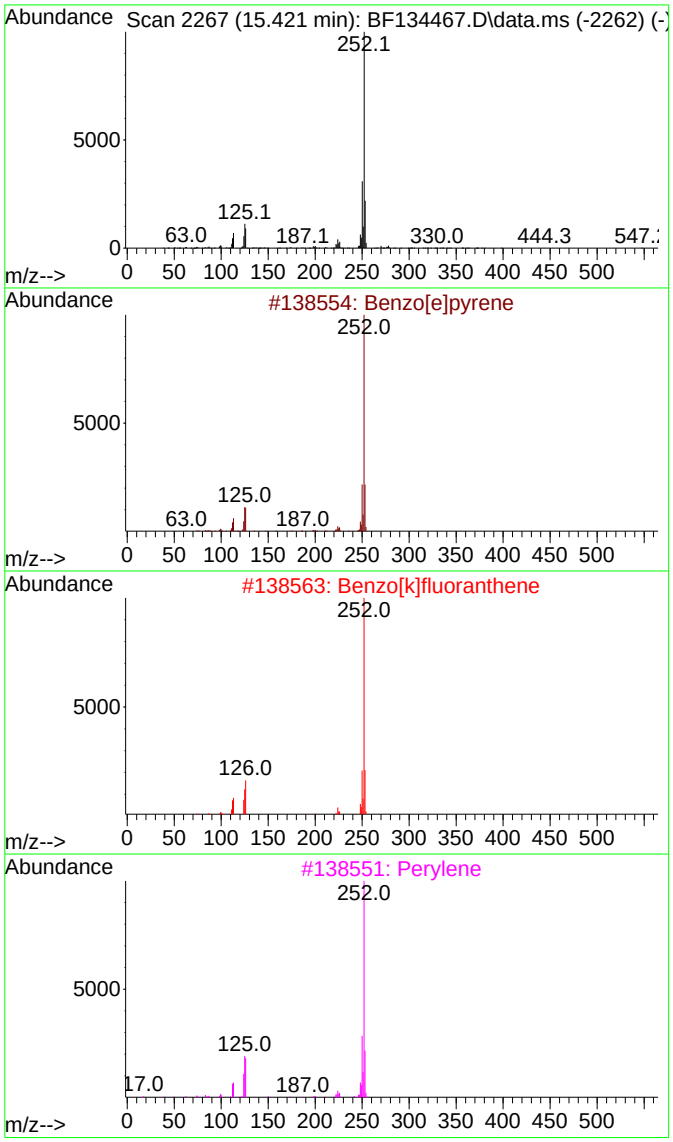
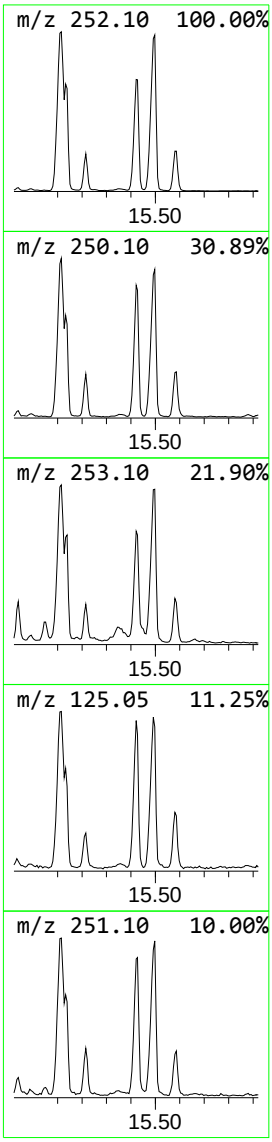
Peak Number 20 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	47.74 ng	1717620	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134467.D
Acq On : 25 Jul 2023 17:33
Operator : CG\JU
Sample : 03580-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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
Naphthalene, 1,...	9.457	40.9	ng	861196	3	9.869	421404	20.0
Naphthalene, 2,...	9.528	52.6	ng	1108060	3	9.869	421404	20.0
Naphthalene, 1,...	9.645	25.0	ng	526207	3	9.869	421404	20.0
Naphthalene, 2,...	10.075	29.0	ng	610774	3	9.869	421404	20.0
9H-Fluorene, 2-...	10.975	45.1	ng	731301	4	11.369	323956	20.0
Naphtho[2,1-b]t...	11.263	25.1	ng	407444	4	11.369	323956	20.0
1-Methyldibenzo...	11.698	26.2	ng	424776	4	11.369	323956	20.0
Phenanthrene, 2...	11.880	146.8	ng	2378300	4	11.369	323956	20.0
Phenanthrene, 1...	11.910	166.0	ng	2688680	4	11.369	323956	20.0
Anthracene, 1-m...	11.957	42.1	ng	681561	4	11.369	323956	20.0
4H-Cyclopenta[d...	11.992	180.9	ng	2930010	4	11.369	323956	20.0
Phenanthrene, 4...	12.016	81.5	ng	1319450	4	11.369	323956	20.0
Naphthalene, 2-...	12.169	45.9	ng	743711	4	11.369	323956	20.0
Phenanthrene, 1...	12.322	41.6	ng	674269	4	11.369	323956	20.0
Phenanthrene, 3...	12.357	51.7	ng	837587	4	11.369	323956	20.0
Phenanthrene, 2...	12.380	30.5	ng	494641	4	11.369	323956	20.0
Phenanthrene, 2...	12.433	112.8	ng	1827210	4	11.369	323956	20.0
Acephenanthryle...	12.469	81.1	ng	1314160	4	11.369	323956	20.0
Cyclopenta(def)...	12.527	67.4	ng	1092030	4	11.369	323956	20.0
Benzo[e]pyrene	15.421	47.7	ng	1717620	6	15.551	719641	20.0