LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.451	564	572	575	rBV	3253966	3146021	45.07%	3.079%
2	6.451	735	742	745	rBV	2933621	3022179	43.29%	2.958%
3	6.822	802	805	809	rBV	971382	862404	12.35%	0.844%
4	7.386	893	901	904	rBV	2204174	1825918	26.16%	1.787%
5	8.104	1018	1023	1025	rBV	1417728	1200057	17.19%	1.175%
6	8.128	1025	1027	1030	rVB	995896	774351	11.09%	0.758%
7	8.816	1141	1144	1147	rVB	701237	525729	7.53%	0.515%
8	8.916	1156	1161	1164	rVB	617526	469013	6.72%	0.459%
9	9.180	1203	1206	1210	rVB	3222382	2847803	40.79%	2.788%
10	9.445	1245	1251	1255	rBV2	306652	424915	6.09%	0.416%
11	9.522	1260	1264	1266	rBV	554470	530622	7.60%	0.519%
12	9.545	1266	1268	1271	rVB	358390	252795	3.62%	0.247%
13	9.633	1281	1283	1285	rBV	268563	223608	3.20%	0.219%
14	9.722	1294	1298	1303	rVB	1149150	900031	12.89%	0.881%
15	9.863	1316	1322	1325	rBV	1183080	1112486	15.94%	1.089%
16	9.892	1325	1327	1331	rVV2	310074	277185	3.97%	0.271%
17	10.063	1350	1356	1360	rVB2	426548	427436	6.12%	0.418%
18	10.180	1372	1376	1378	rBV2	241062	254828	3.65%	0.249%
19	10.410	1412	1415	1421	rVB	838723	775296	11.11%	0.759%
20	10.651	1451	1456	1460	rVB	1767688	1574869	22.56%	1.542%
21	10.780	1475	1478	1483	rVB2	277708	349180	5.00%	0.342%
22	10.963	1504	1509	1511	rBV2	297478	397721	5.70%	0.389%
23	11.110	1532	1534	1539	rVV2	183146	220443	3.16%	0.216%
24	11.251	1555	1558	1566	rVB	609265	640840	9.18%	0.627%
25	11.351	1572	1575	1577	rBV	779325	789193	11.31%	0.773%
26	11.380	1577	1580	1583	rVV	4335443	4037120	57.83%	3.952%
27	11.427	1585	1588	1591	rVV	1455677	1182394	16.94%	1.157%
28	11.463	1591	1594	1597	rVV2	218457	257174	3.68%	0.252%
29	11.657	1624	1627	1629	rVV2	402905	358298	5.13%	0.351%
30	11.686	1629	1632	1636	rVB	584699	500735	7.17%	0.490%
31	11.769	1643	1646	1650	rVB	419791	467401	6.70%	0.458%
32	11.857	1658	1661	1664	rVV	1142298	1216510	17.43%	1.191%
33	11.886	1664	1666	1671	rVB	1603854	1294273	18.54%	1.267%
34	11.933	1671	1674	1677	rBV	528423	470681	6.74%	0.461%
35	11.969	1677	1680	1683	rVV2	1875256	2075234	29.73%	2.031%
36	11.992	1683	1684	1689	rVB	974119	659847	9.45%	0.646%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.069	1691	1697	1699	rVV3	167136	275877	3.95%	0.270%
38	12.157	1706	1712	1714	rVV2	918518	969885	13.89%	0.949%
39	12.174	1714	1715	1720	rVV2	416376	488465	7.00%	0.478%
40	12.257	1723	1729	1732	rBV3	158630	332814	4.77%	0.326%
41	12.286	1732	1734	1736	rVV	263903	261533	3.75%	0.256%
42	12.304	1736	1737	1740	rVV	272720	262414	3.76%	0.257%
43	12.333	1740	1742	1744	rVV2	384875	374240	5.36%	0.366%
44	12.357	1744	1746	1749	rVB3	330172	325230	4.66%	0.318%
45	12.416	1749	1756	1758	rBV	988373	1190606	17.06%	1.165%
46	12.451	1758	1762	1764	rVV2	660278	878883	12.59%	0.860%
47	12.469	1764	1765	1767	rVV	422638	242826	3.48%	0.238%
48	12.498	1767	1770	1775	rVV3	517053	763439	10.94%	0.747%
49	12.580	1779	1784	1787	rVV	5141064	5182848	74.24%	5.073%
50	12.627	1787	1792	1796	rVV4	317265	502536	7.20%	0.492%
51	12.668	1796	1799	1803	rVV	716628	693854	9.94%	0.679%
52	12.727	1807	1809	1813	rVV3	516527	632092	9.05%	0.619%
53	12.816	1817	1824	1829	rBV	5311431	6980861	100.00%	6.833%
54	12.863	1829	1832	1835	rVB2	317554	418438	5.99%	0.410%
55	12.921	1839	1842	1844	rBV2	391471	351704	5.04%	0.344%
56	12.957	1844	1848	1854	rVB	2483888	2678569	38.37%	2.622%
57	13.027	1854	1860	1863	rBV2	761911	1127674	16.15%	1.104%
58	13.110	1871	1874	1876	rVV2	608504	800006	11.46%	0.783%
59	13.133	1876	1878	1881	rVB	1424622	1379260	19.76%	1.350%
60	13.180	1881	1886	1887	rBV3	228011	272301	3.90%	0.267%
61	13.204	1887	1890	1893	rVV	1175621	1010003	14.47%	0.989%
62	13.239	1893	1896	1900	rVV2	1174514	1193070	17.09%	1.168%
63	13.304	1904	1907	1909	rBV2	227146	254981	3.65%	0.250%
64	13.333	1909	1912	1914	rVV	891222	744413	10.66%	0.729%
65	13.363	1914	1917	1921	rVB	937158	790290	11.32%	0.774%
66	13.545	1945	1948	1949	rVV	386430	418725	6.00%	0.410%
67	13.639	1958	1964	1970	rVV2	468627	1033534	14.81%	1.012%
68	13.757	1978	1984	1987	rBV2	1025674	1312728	18.80%	1.285%
69	13.786	1987	1989	1991	rVV	820700	713815	10.23%	0.699%
70	13.810	1991	1993	1997	rVV2	648454	753278	10.79%	0.737%
71	13.857	1999	2001	2005	rVB2	346174	319371	4.57%	0.313%
72	13.927	2010	2013	2016	rVB	263931	225544	3.23%	0.221%
73	14.004	2020	2026	2030	rBV2	3787852	5598887	80.20%	5.480%
74	14.045	2030	2033	2038	rVB	3417917	3403851	48.76%	3.332%
75	14.098	2039	2042	2044	rBV	309840	288180	4.13%	0.282%
76	14.151	2048	2051	2053	rBV2	418882	410127	5.88%	0.401%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.239	2062	2066	2069	rBV3	183578	343098	4.91%	0.336%
78	14.268	2069	2071	2074	rVB	361281	300390	4.30%	0.294%
79	14.333	2079	2082	2085	rBV3	188239	236807	3.39%	0.232%
80	14.363	2085	2087	2089	rBV	286467	267591	3.83%	0.262%
81	14.404	2089	2094	2097	rVV	1057162	1227888	17.59%	1.202%
82	14.433	2097	2099	2102	rVB	625537	512150	7.34%	0.501%
83	14.468	2103	2105	2107	rVV2	198641	229677	3.29%	0.225%
84	14.492	2107	2109	2112	rVV2	624762	642250	9.20%	0.629%
85	14.527	2112	2115	2116	rVV	573371	535887	7.68%	0.525%
86	14.545	2116	2118	2122	rVB2	570552	589224	8.44%	0.577%
87	14.598	2124	2127	2133	rVB2	351641	440854	6.32%	0.432%
88	14.651	2134	2136	2142	rVB2	190813	234176	3.35%	0.229%
89	15.068	2201	2207	2210	rBV	2063840	3556327	50.94%	3.481%
90	15.174	2221	2225	2229	rVB	694283	757813	10.86%	0.742%
91	15.374	2254	2259	2265	rVB	1288864	1823889	26.13%	1.785%
92	15.445	2265	2271	2275	rVB	2184647	2683122	38.44%	2.626%
93	15.504	2276	2281	2283	rBV	538435	673774	9.65%	0.660%
94	15.533	2283	2286	2294	rVB2	560972	797239	11.42%	0.780%
95	16.074	2375	2378	2383	rVB3	198887	272854	3.91%	0.267%
96	17.009	2530	2537	2546	rVB2	720853	1615579	23.14%	1.581%
97	17.198	2565	2569	2574	rVB	141394	225377	3.23%	0.221%
98	17.256	2575	2579	2584	rBV2	143845	233430	3.34%	0.228%
99	17.468	2608	2615	2625	rVB	589799	1249339	17.90%	1.223%
100	17.709	2651	2656	2674	rVB3	199938	509895	7.30%	0.499%

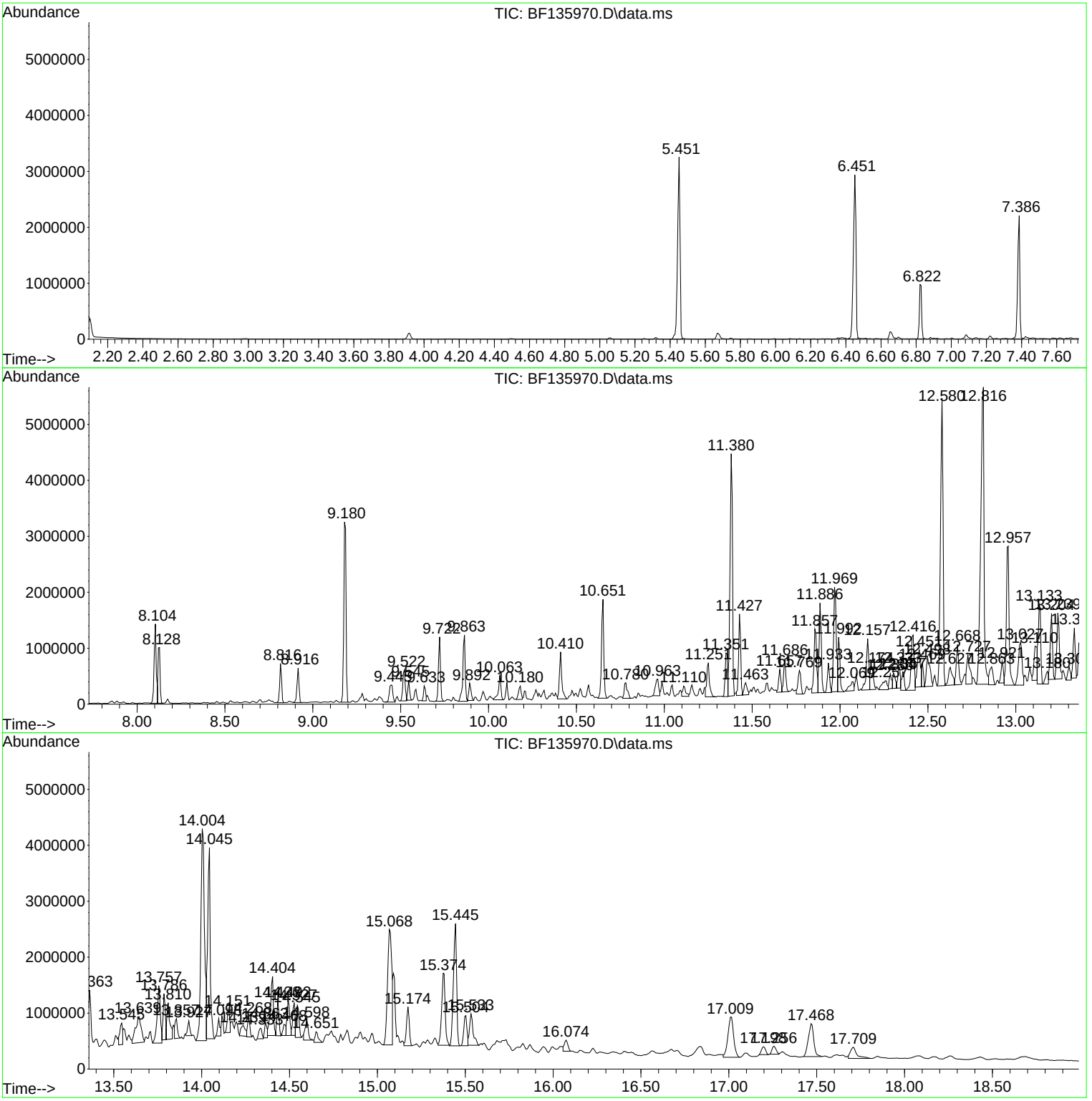
Sum of corrected areas: 102160372

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

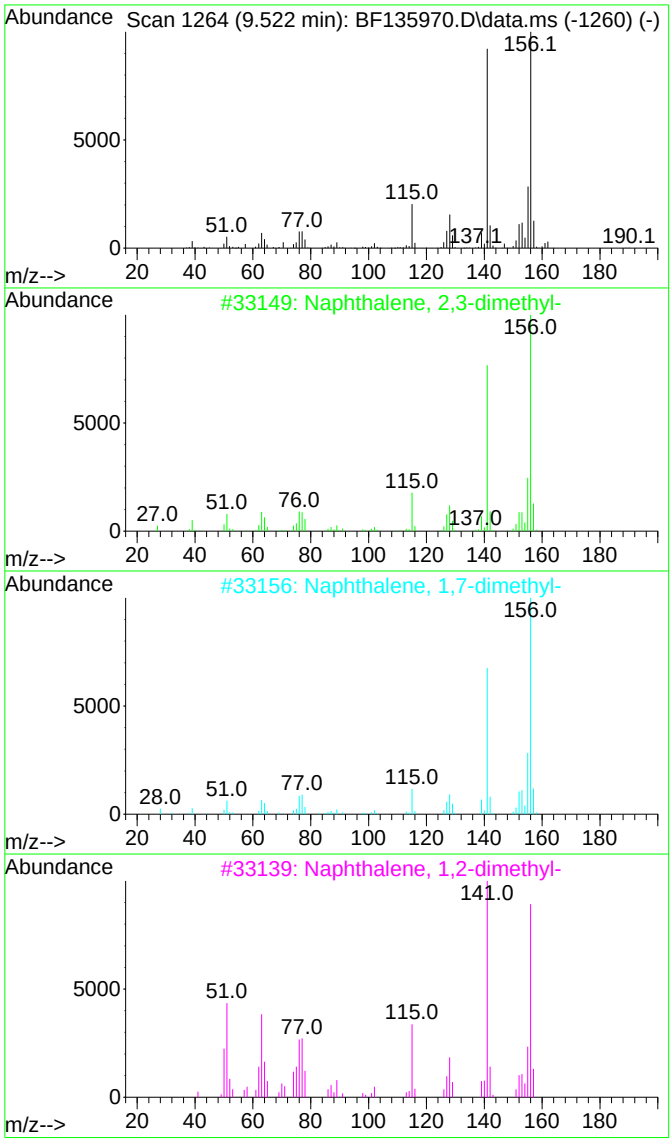
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

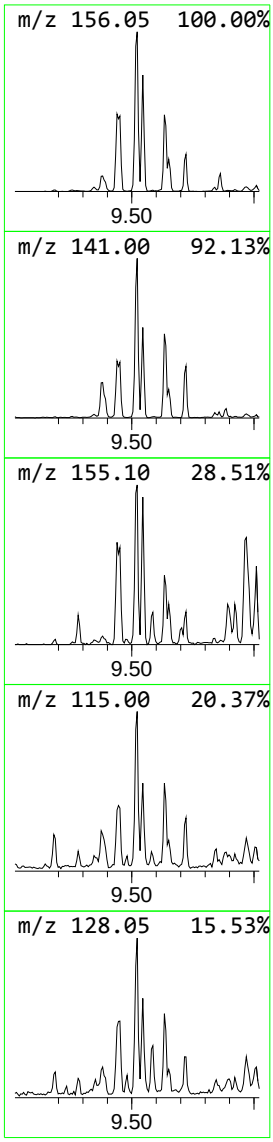
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	9.54 ng	530622	Acenaphthene-d10	9.863

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, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

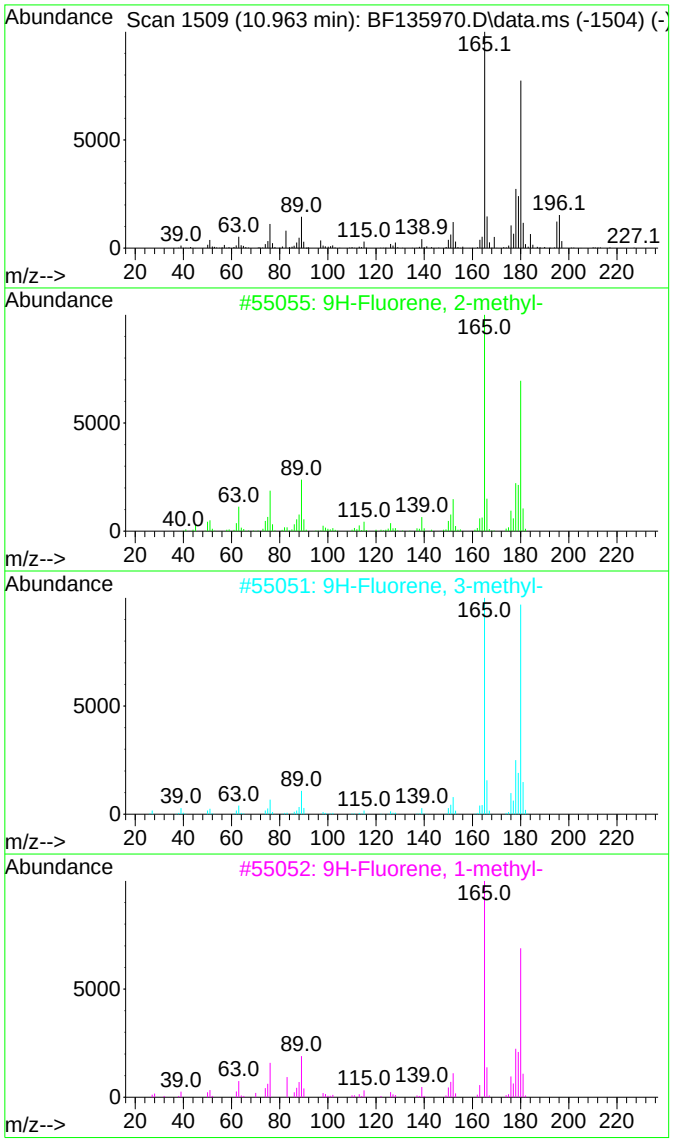
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

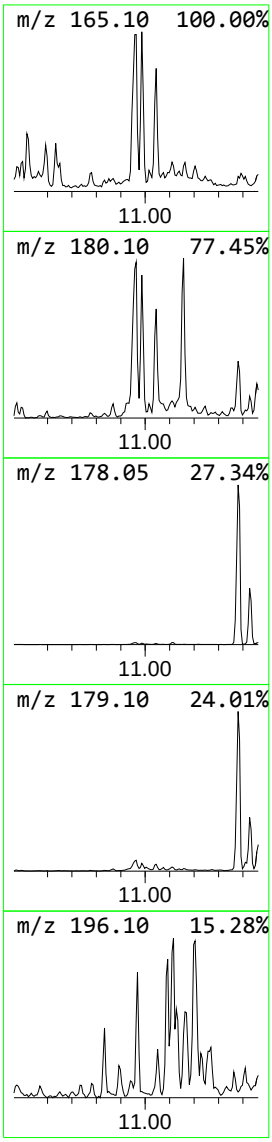
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	10.08 ng	397721	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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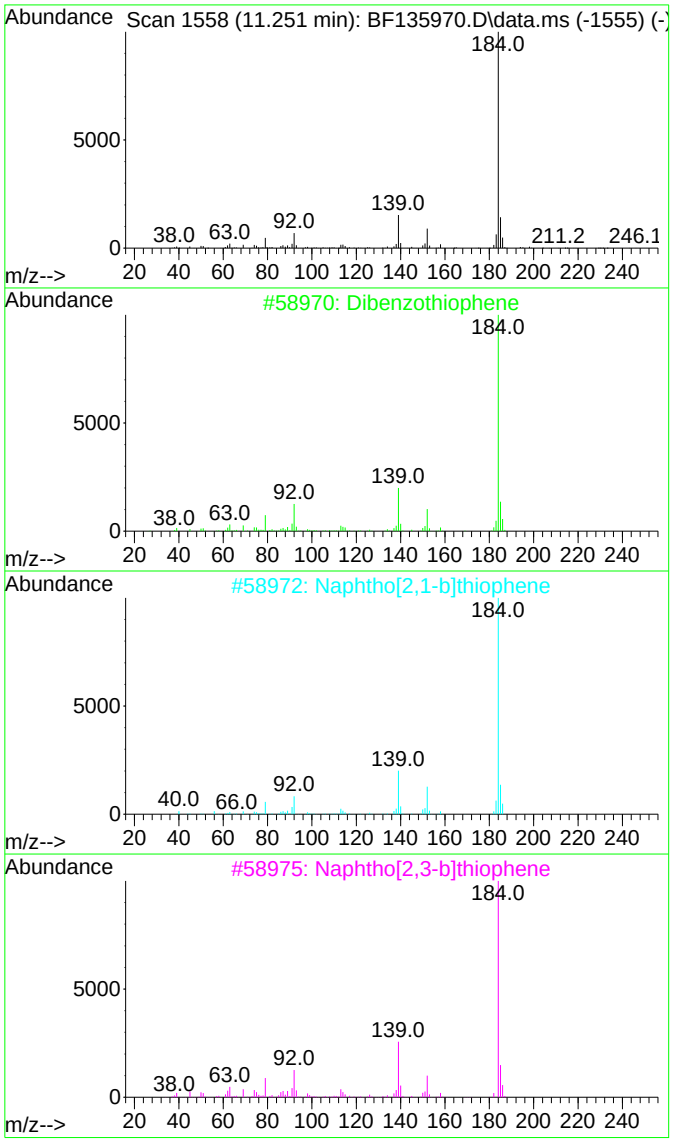
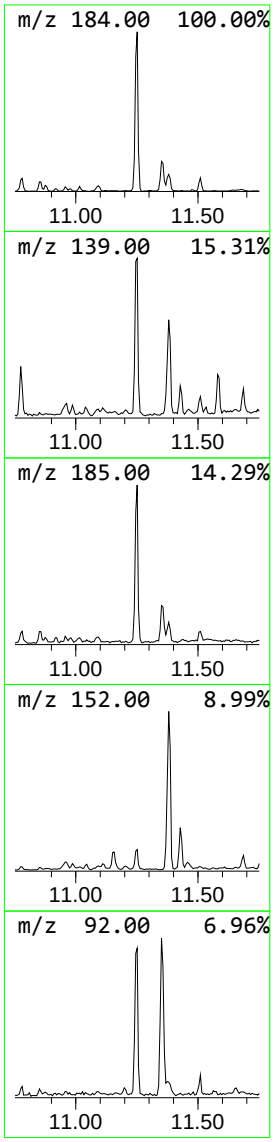
Peak Number 3 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	16.24 ng	640840	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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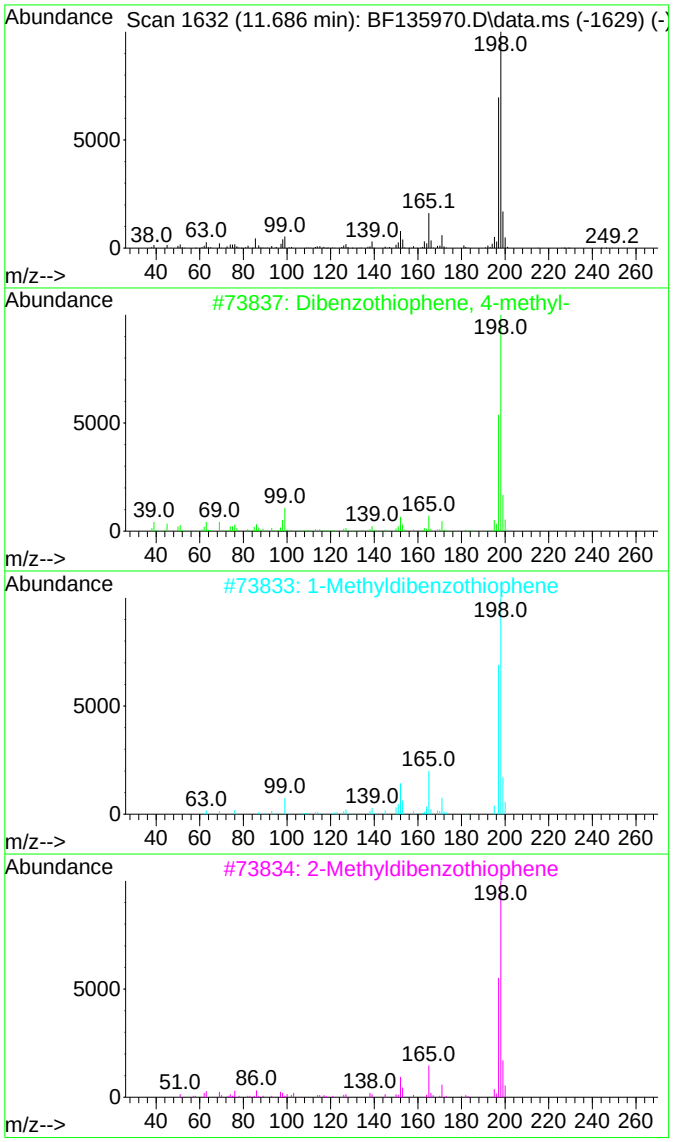
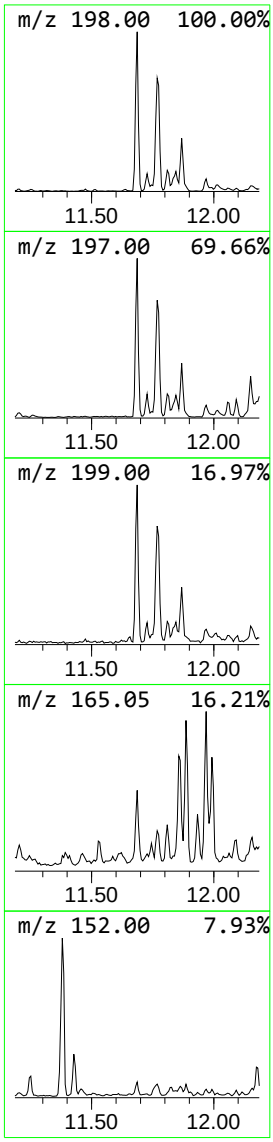
Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	12.69 ng	500735	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

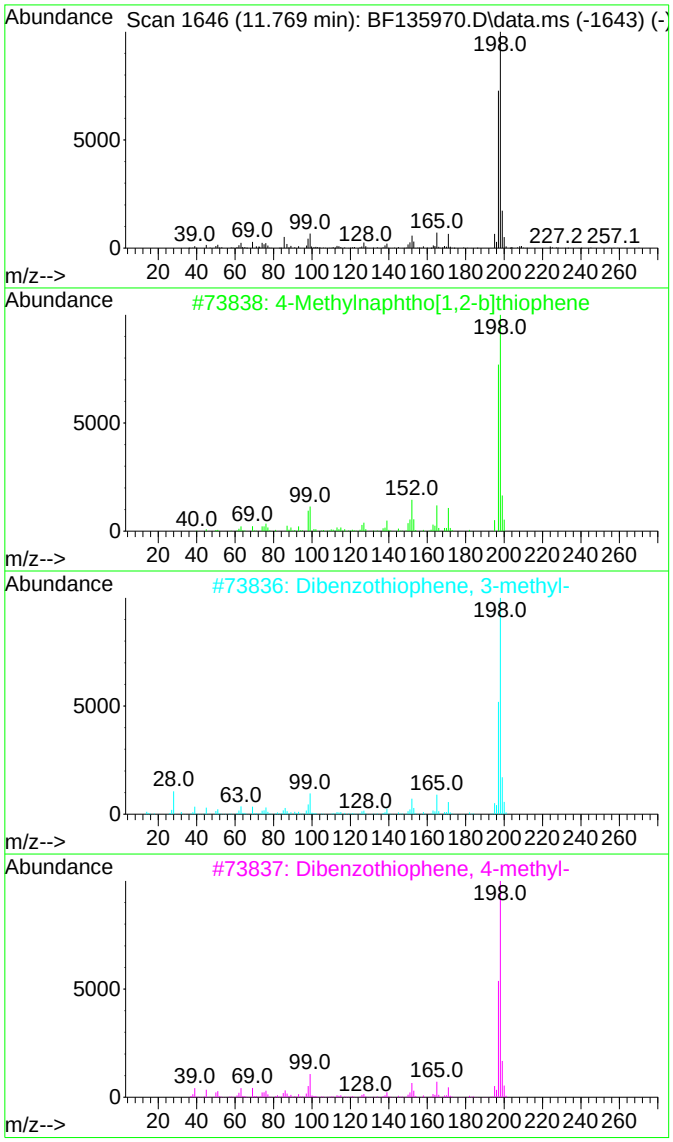
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

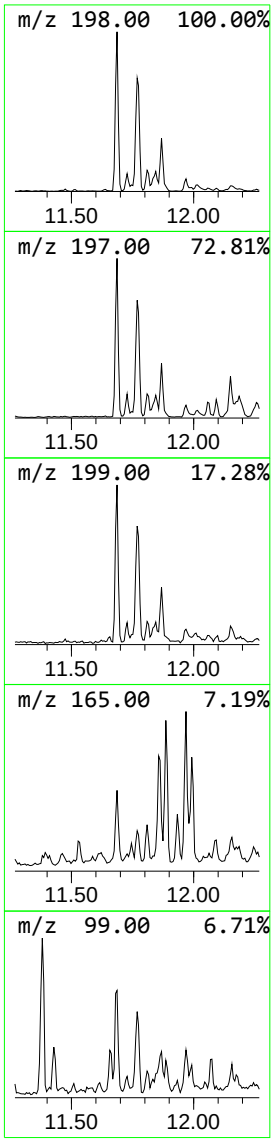
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	11.85 ng	467401	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	86





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Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
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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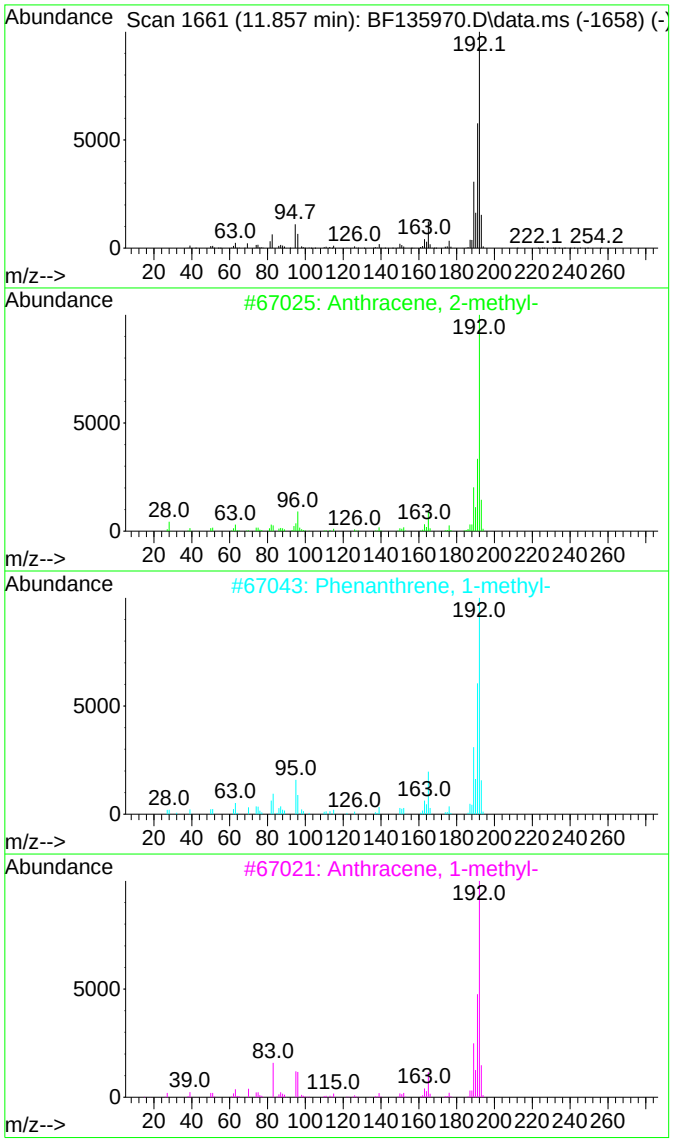
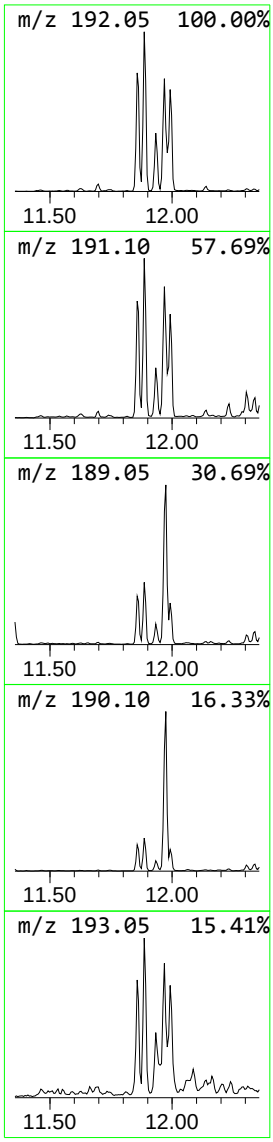
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	30.83 ng	1216510	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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ClientSampleId :
S-1(0-5)

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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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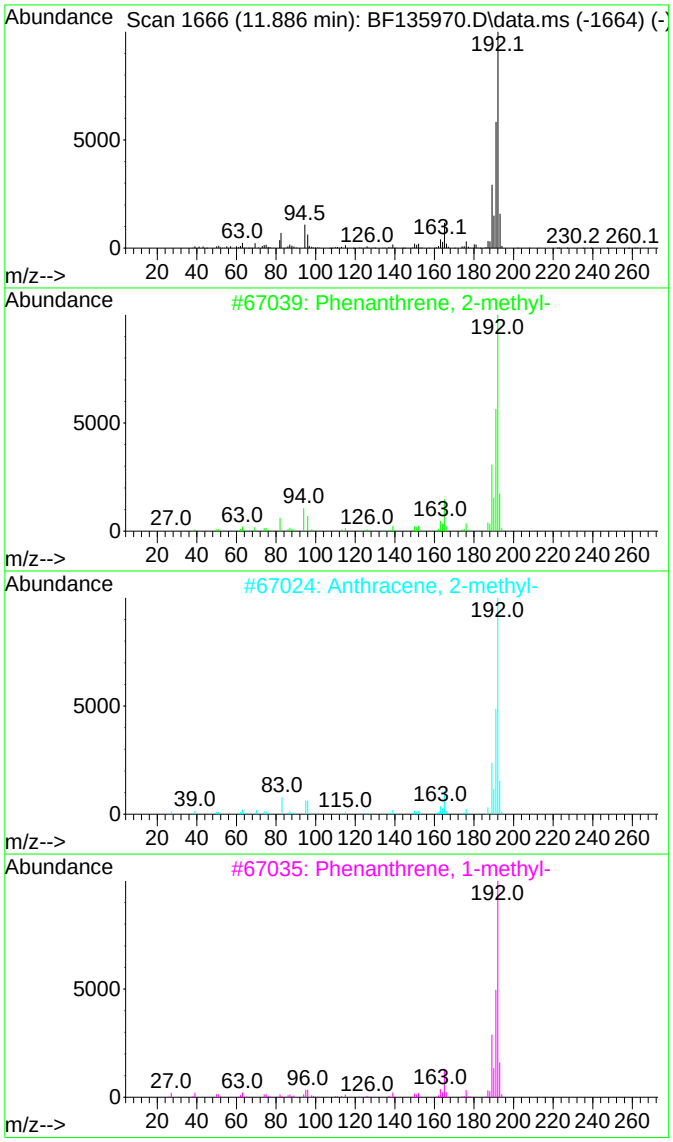
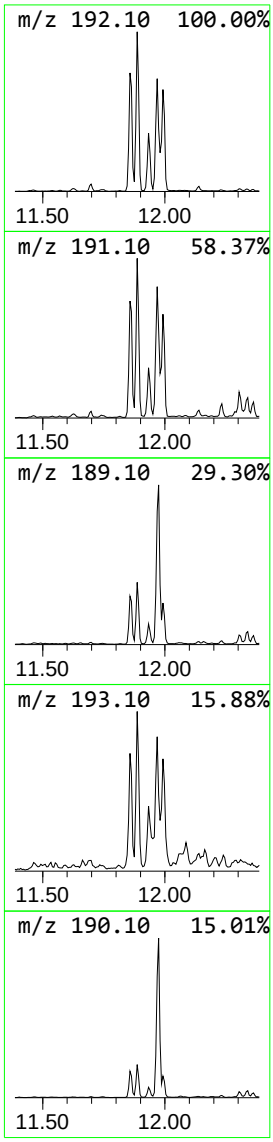
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	32.80 ng	1294270	Phenanthrene-d10	11.357

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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ClientSampleId :
S-1(0-5)

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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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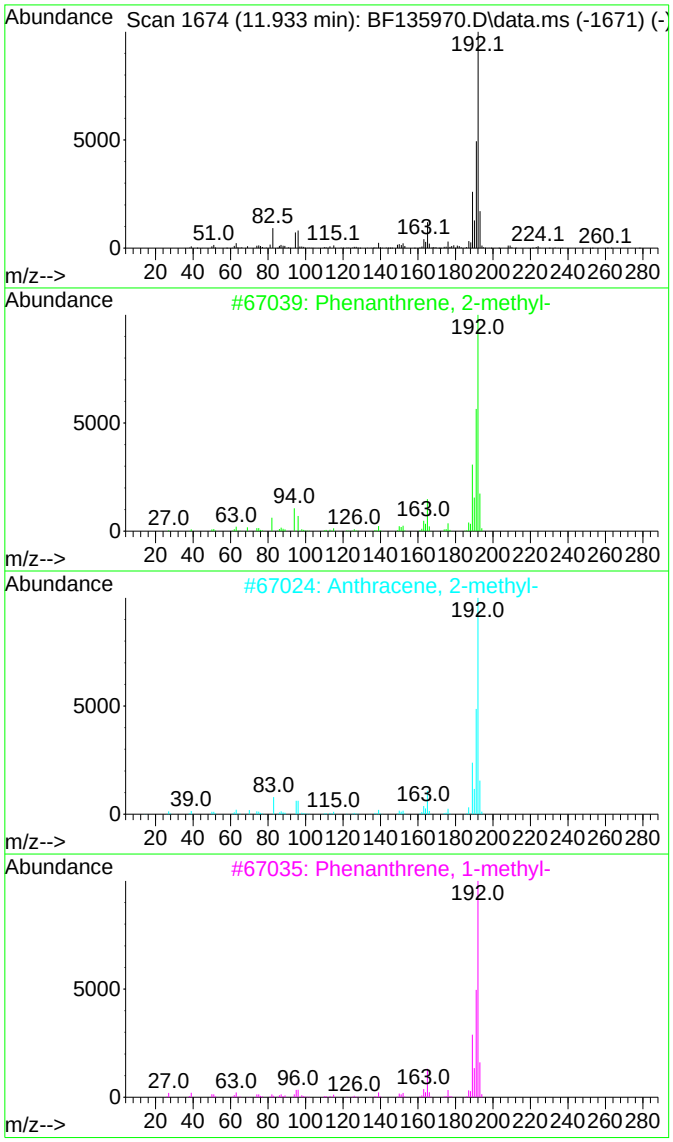
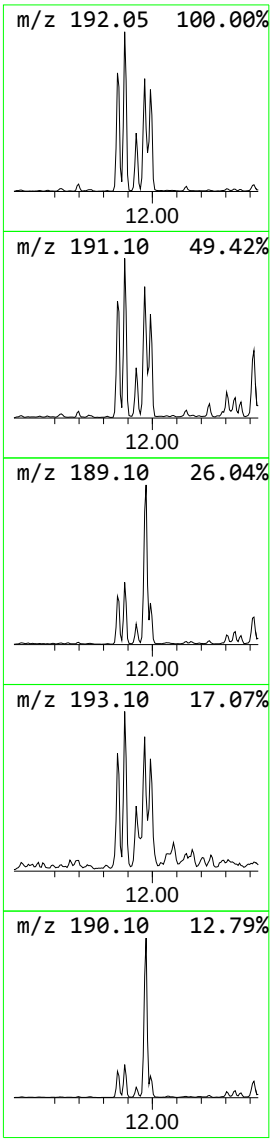
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	11.93 ng	470681	Phenanthrene-d10	11.357

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-1(0-5)

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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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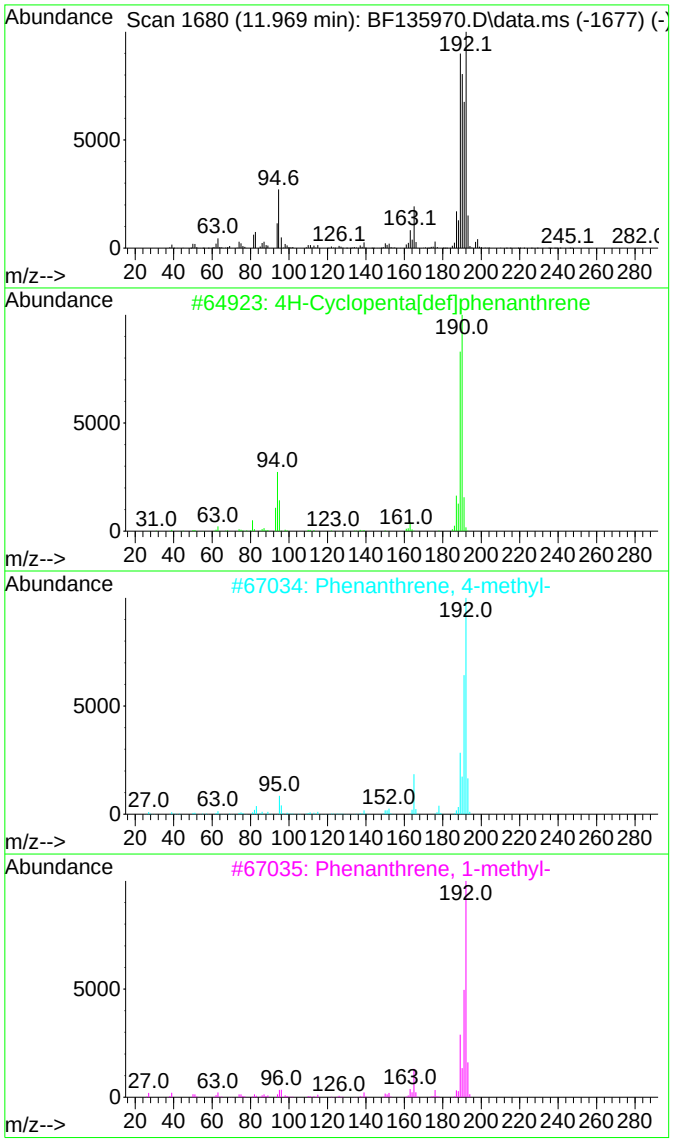
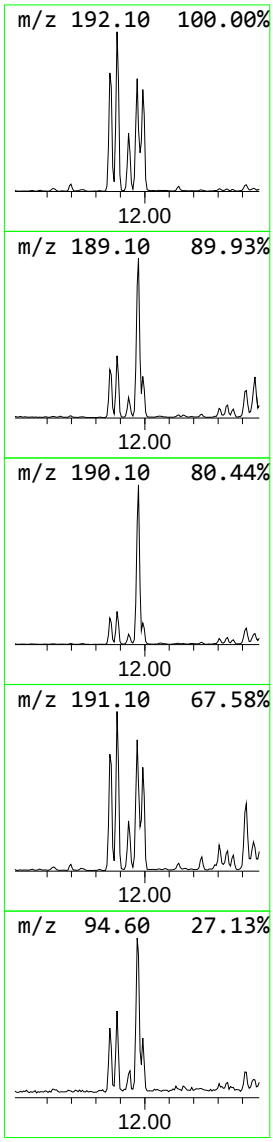
Peak Number 9 unknown11.969 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	52.59 ng	2075230	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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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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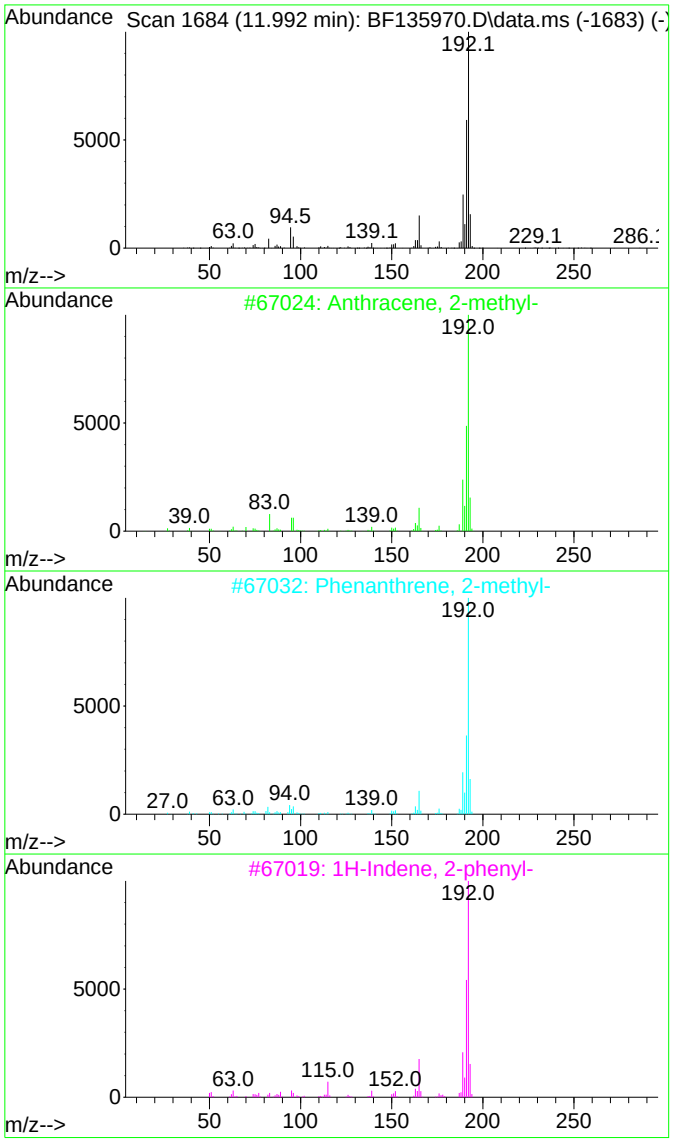
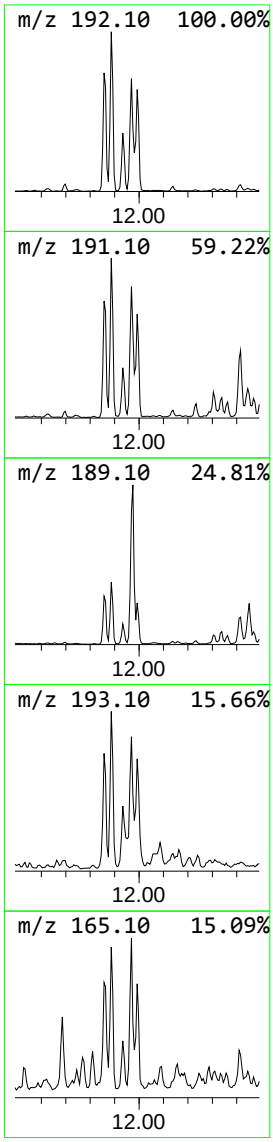
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	16.72 ng	659847	Phenanthrene-d10	11.357

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	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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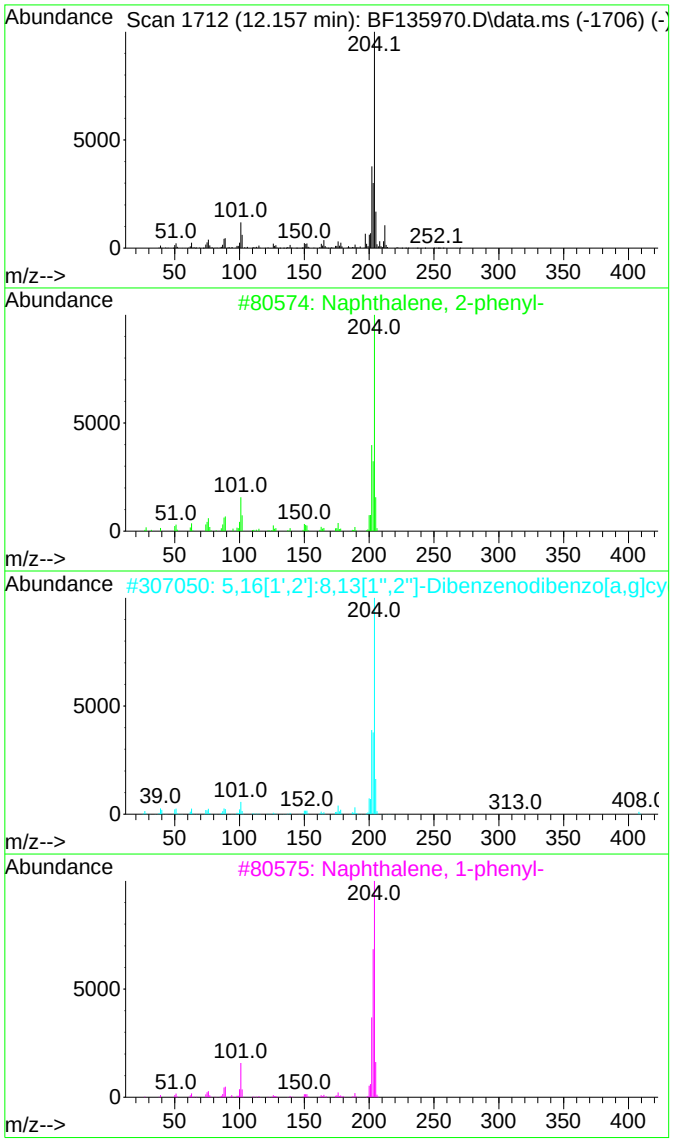
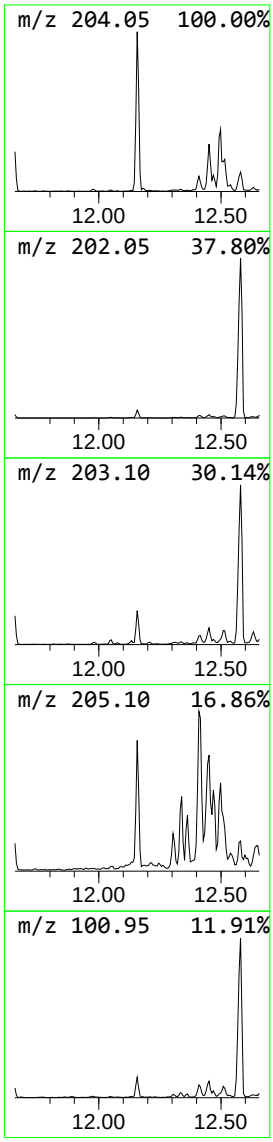
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	24.58 ng	969885	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53





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Misc :
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Instrument :
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ClientSampleId :
S-1(0-5)

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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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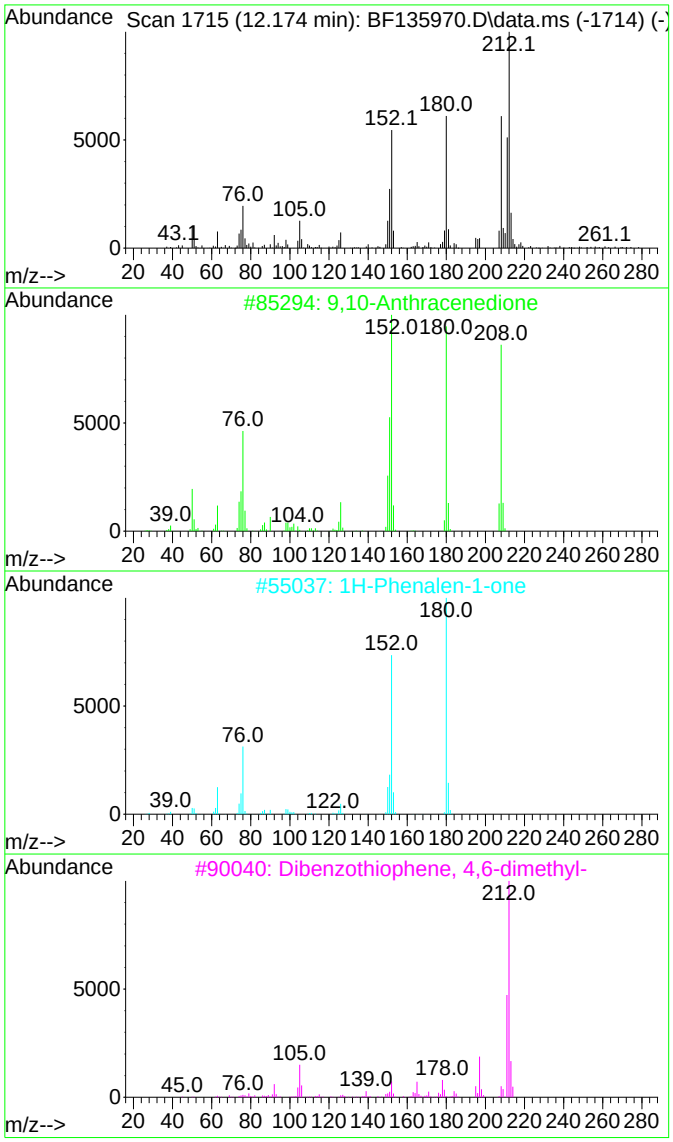
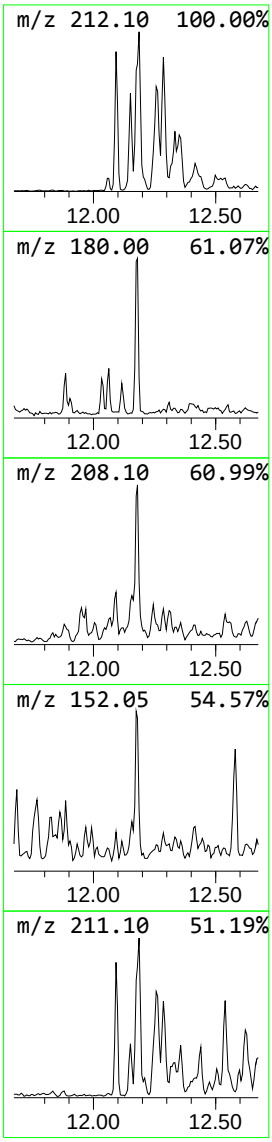
Peak Number 12 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	12.38 ng	488465	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	47
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	46
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	43
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	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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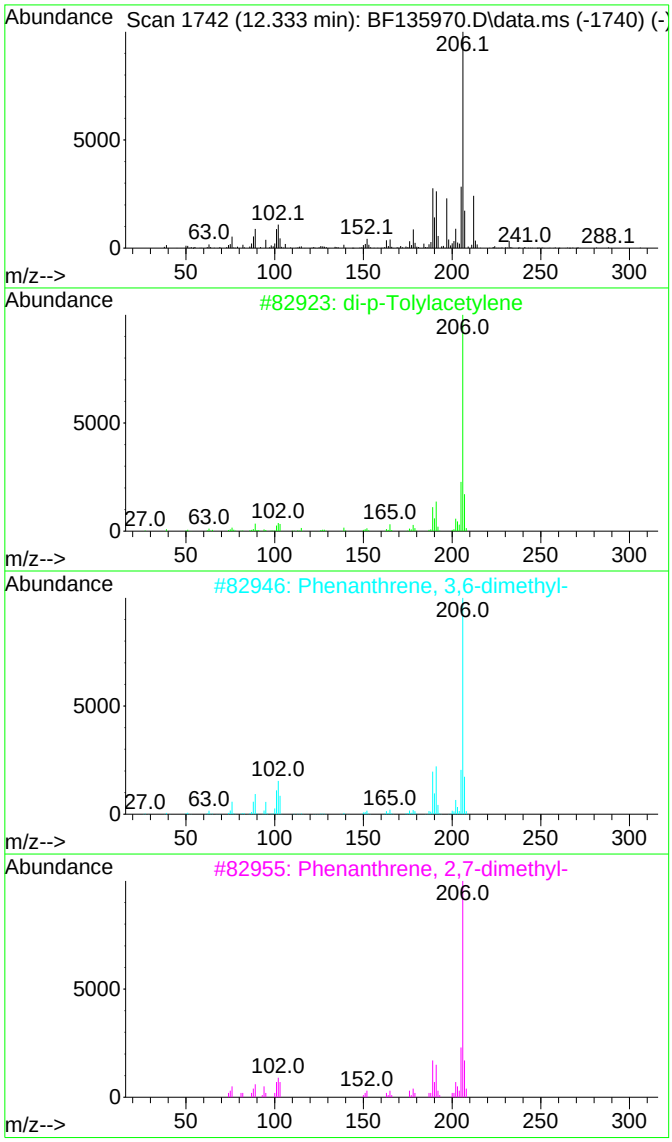
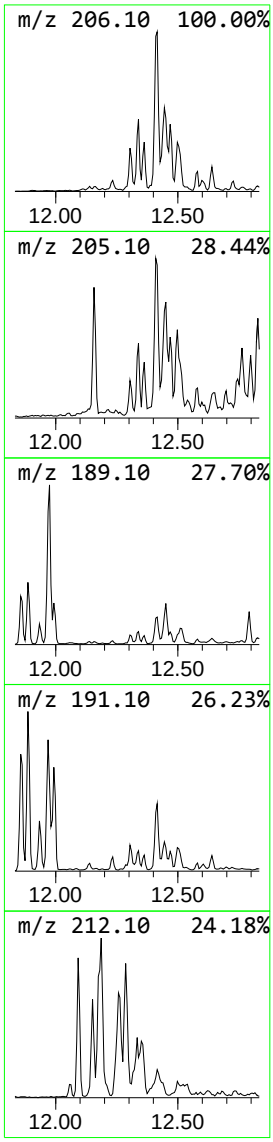
Peak Number 13 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	9.48 ng	374240	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	70





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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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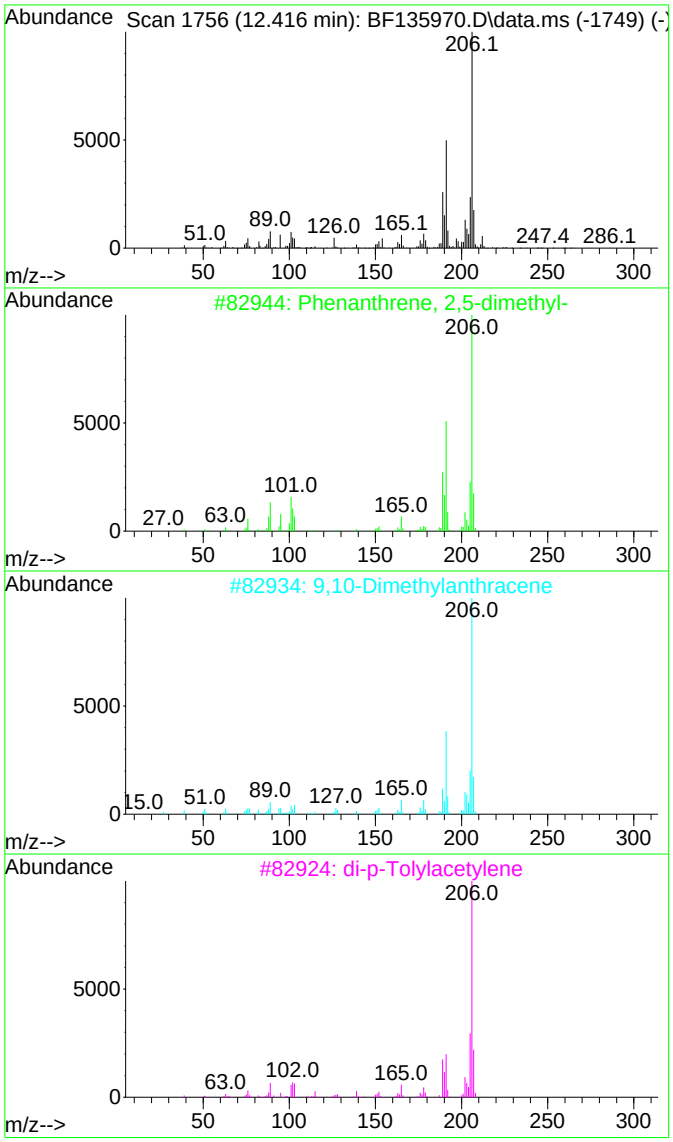
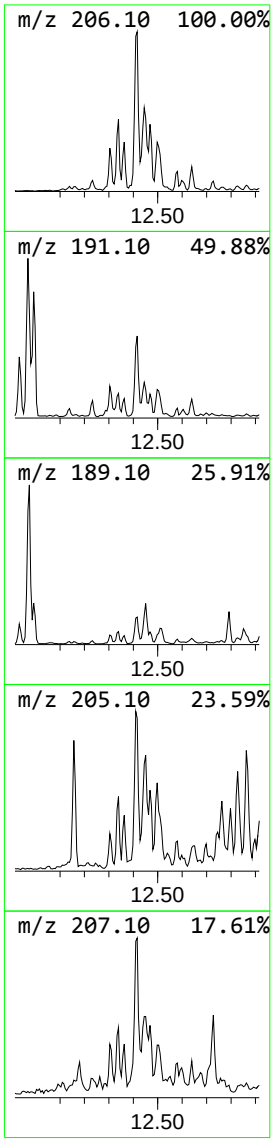
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	30.17 ng	1190610	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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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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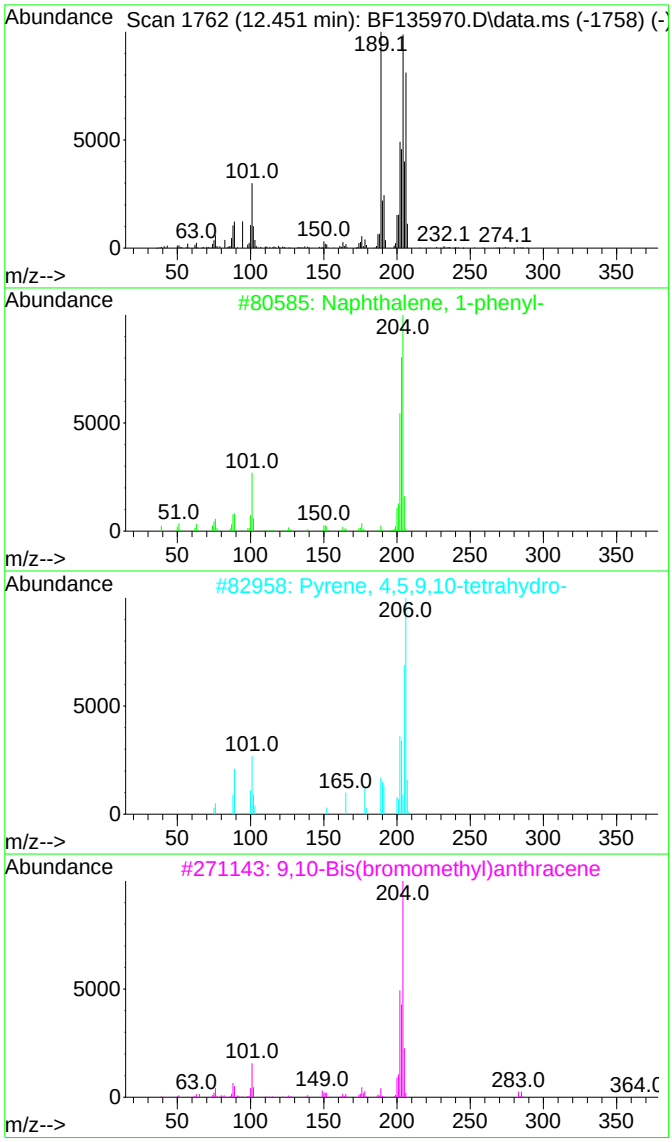
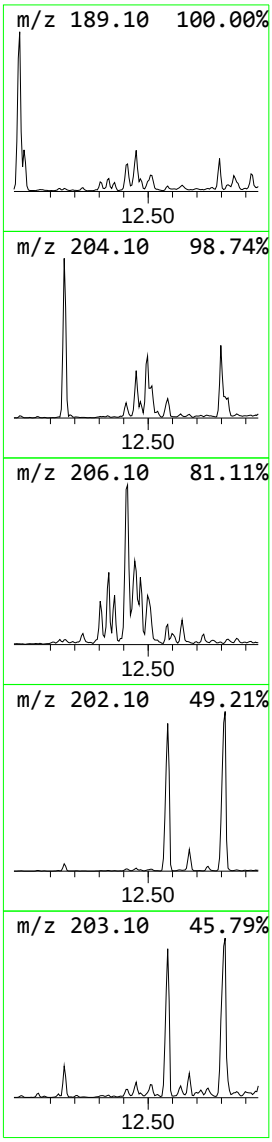
Peak Number 15 unknown12.451 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	22.27 ng	878883	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35





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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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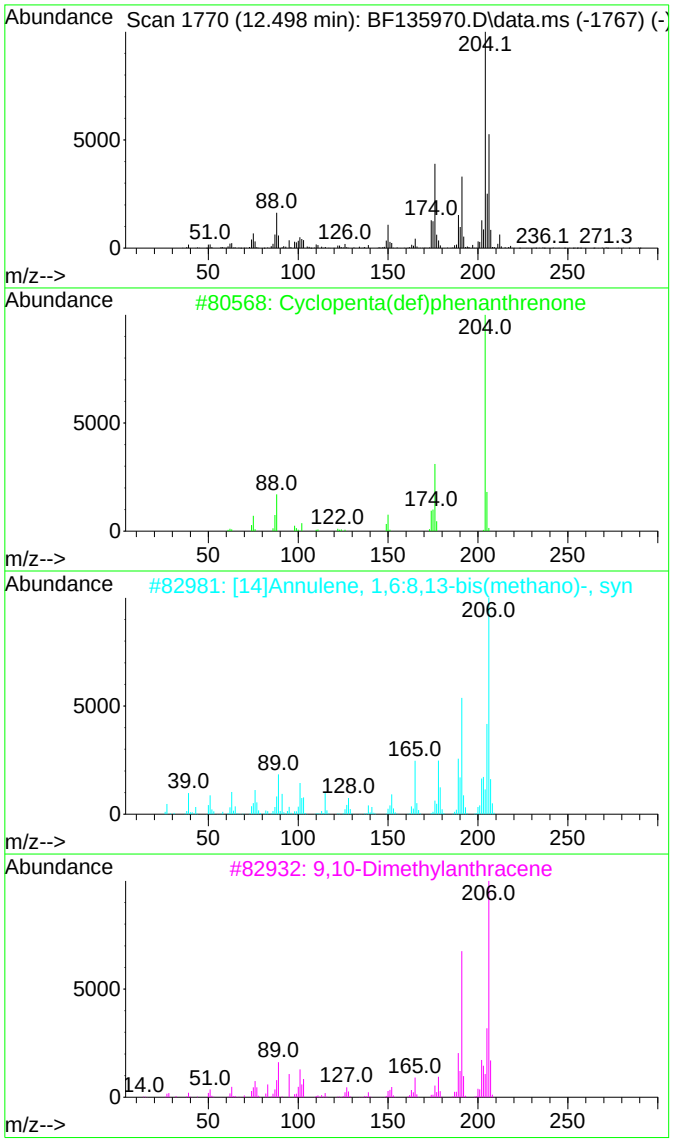
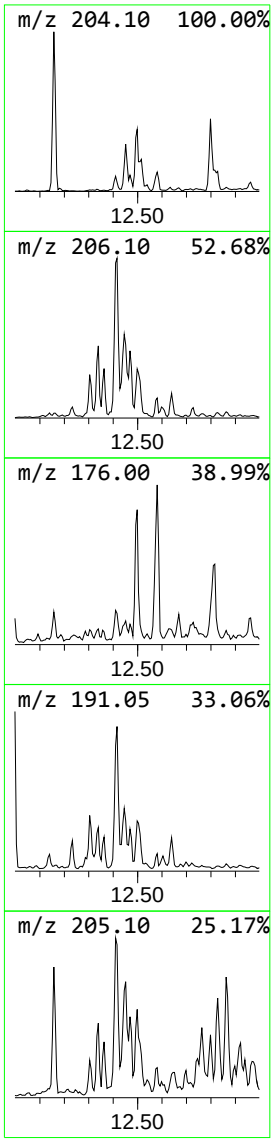
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	19.35 ng	763439	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38





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Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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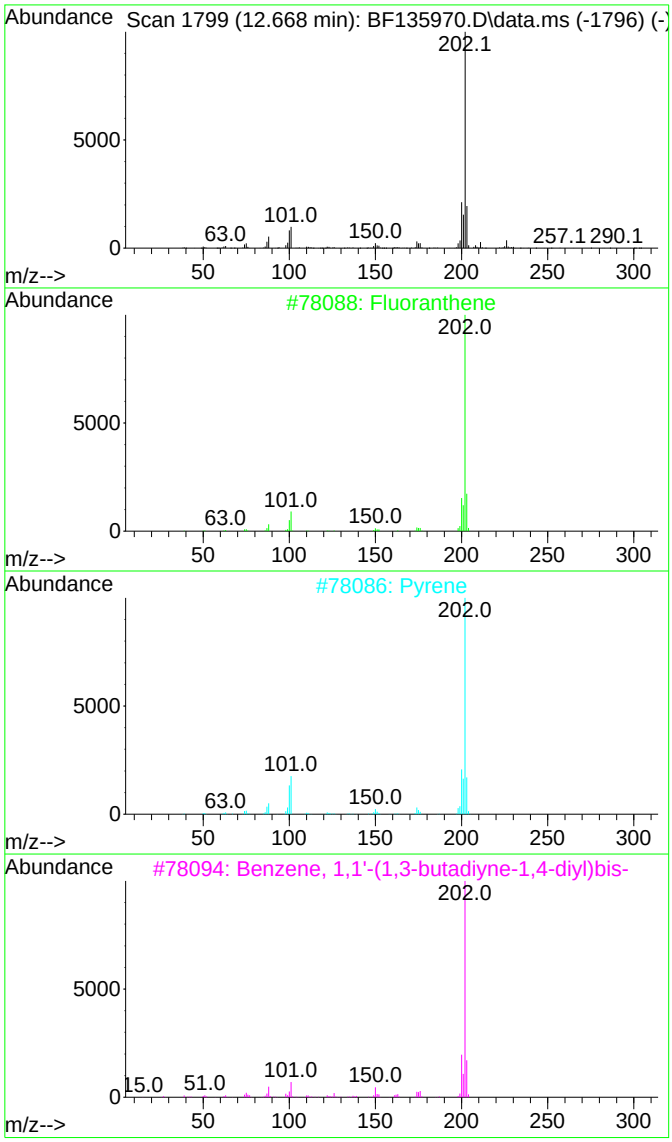
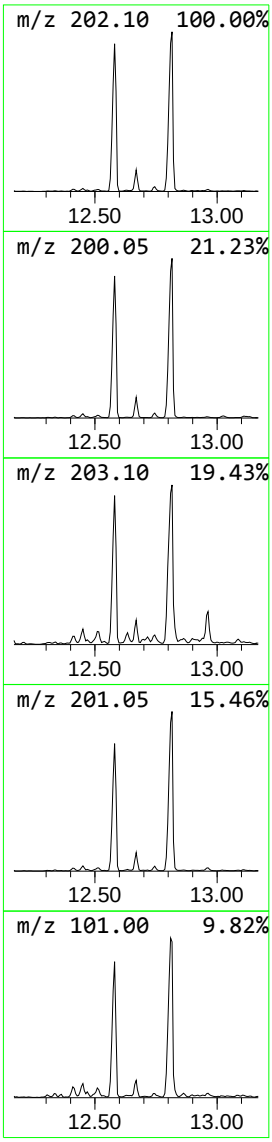
Peak Number 17 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.669	17.58 ng	693854	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	90
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	47
5	2-pyrazinol, 3-bromo-5,6-dimethyl-	202	C6H7BrN2O	1010396-05-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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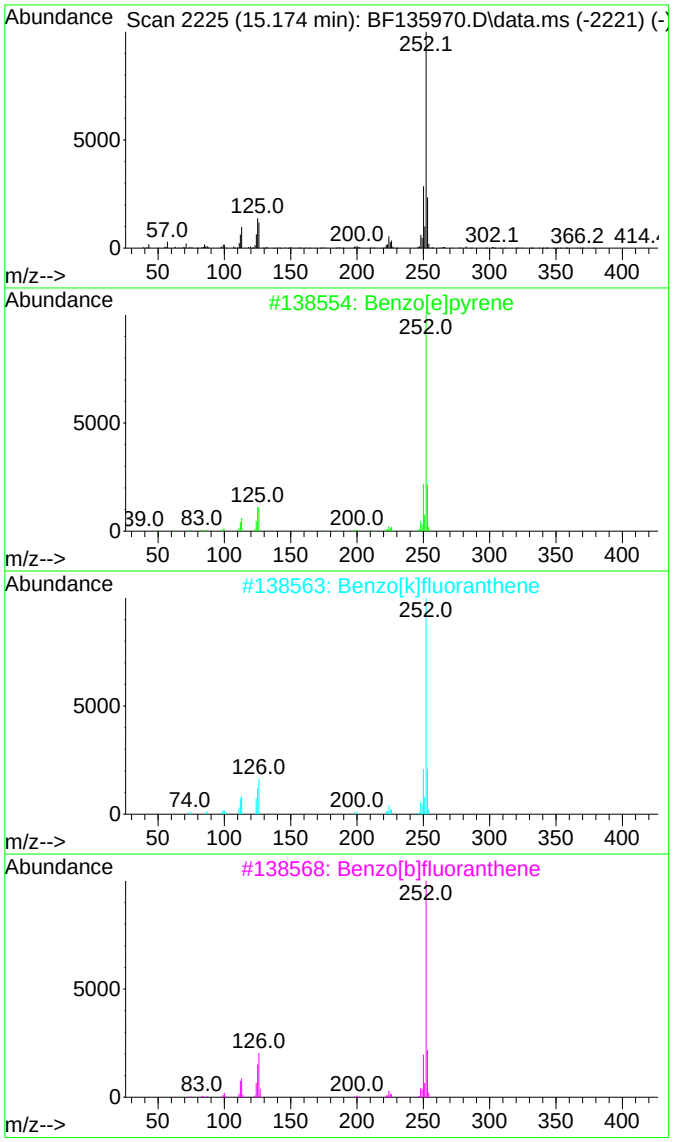
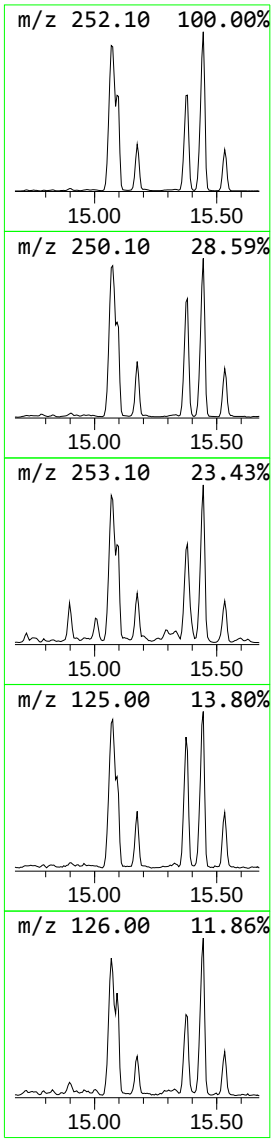
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	22.49 ng	757813	Perylene-d12	15.504

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	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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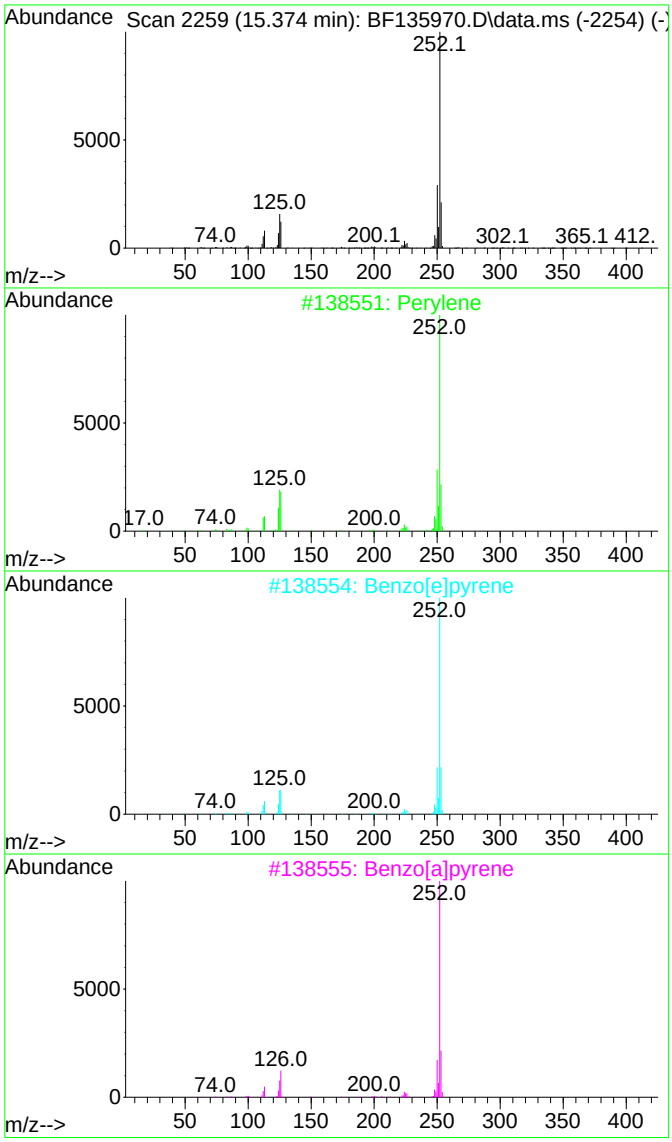
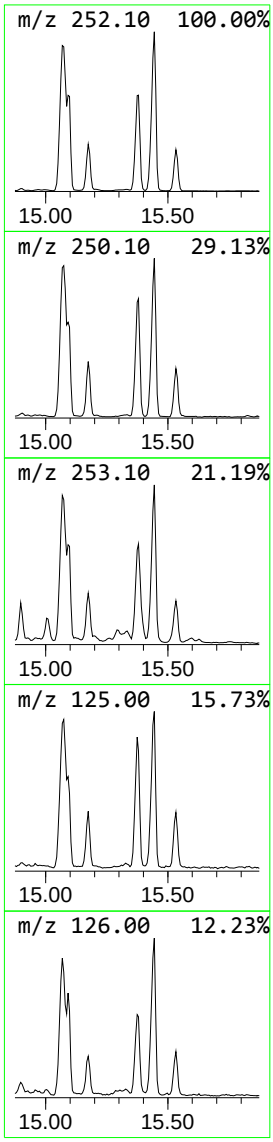
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	54.14 ng	1823890	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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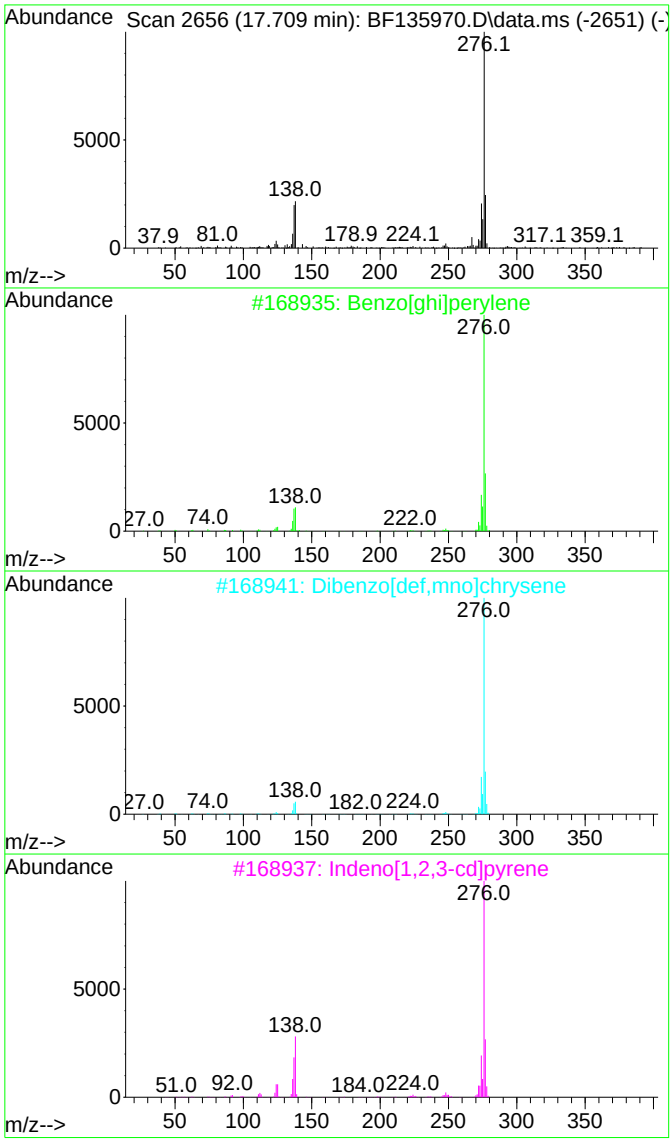
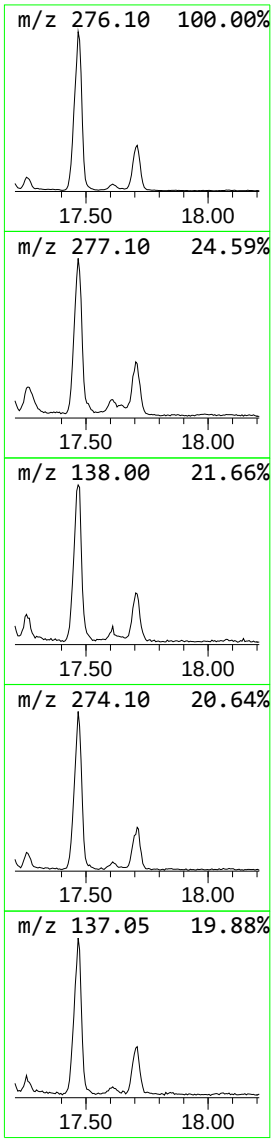
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.709	15.14 ng	509895	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	72
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135970.D
Acq On : 26 Oct 2023 18:47
Operator : CG\JU
Sample : 04693-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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, 2,...	9.522	9.5	ng	530622	3	9.863	1112490	20.0
9H-Fluorene, 2-...	10.963	10.1	ng	397721	4	11.357	789193	20.0
Dibenzothiophene	11.251	16.2	ng	640840	4	11.357	789193	20.0
Dibenzothiophen...	11.686	12.7	ng	500735	4	11.357	789193	20.0
4-Methylnaphtho...	11.769	11.9	ng	467401	4	11.357	789193	20.0
Anthracene, 2-m...	11.857	30.8	ng	1216510	4	11.357	789193	20.0
Phenanthrene, 2...	11.886	32.8	ng	1294270	4	11.357	789193	20.0
Phenanthrene, 1...	11.933	11.9	ng	470681	4	11.357	789193	20.0
unknown11.969	11.969	52.6	ng	2075230	4	11.357	789193	20.0
1H-Indene, 2-ph...	11.992	16.7	ng	659847	4	11.357	789193	20.0
Naphthalene, 2-...	12.157	24.6	ng	969885	4	11.357	789193	20.0
9,10-Anthracene...	12.174	12.4	ng	488465	4	11.357	789193	20.0
di-p-Tolylacety...	12.333	9.5	ng	374240	4	11.357	789193	20.0
Phenanthrene, 2...	12.416	30.2	ng	1190610	4	11.357	789193	20.0
unknown12.451	12.451	22.3	ng	878883	4	11.357	789193	20.0
Cyclopenta(def)...	12.498	19.4	ng	763439	4	11.357	789193	20.0
Benzene, 1,1'-(...	12.669	17.6	ng	693854	4	11.357	789193	20.0
Benzo[e]pyrene	15.174	22.5	ng	757813	6	15.504	673774	20.0
Perylene	15.374	54.1	ng	1823890	6	15.504	673774	20.0
Dibenzo[def,mno...	17.709	15.1	ng	509895	6	15.504	673774	20.0