LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135869.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.957	485	488	501	rVB	129779	179181	3.52%	0.286%
2	5.375	556	559	577	rVV	950971	1153924	22.64%	1.844%
3	6.392	729	732	748	rBV	1233410	1352645	26.54%	2.162%
4	6.739	787	791	798	rBV	546692	512068	10.05%	0.819%
5	7.304	883	887	898	rBV	931786	902674	17.71%	1.443%
6	8.016	1006	1008	1010	rVV	790331	634764	12.46%	1.015%
7	8.039	1010	1012	1016	rVV	1004347	767599	15.06%	1.227%
8	8.733	1127	1130	1136	rBV	390528	340562	6.68%	0.544%
9	8.827	1143	1146	1150	rVB	221166	188124	3.69%	0.301%
10	9.092	1188	1191	1195	rBV	1607652	1321230	25.93%	2.112%
11	9.198	1207	1209	1214	rVB	138227	129662	2.54%	0.207%
12	9.363	1232	1237	1241	rBV	119004	165645	3.25%	0.265%
13	9.433	1245	1249	1251	rBV	169709	176533	3.46%	0.282%
14	9.463	1251	1254	1257	rVB	101948	93634	1.84%	0.150%
15	9.551	1267	1269	1275	rVB	95541	102657	2.01%	0.164%
16	9.639	1280	1284	1288	rVV	453640	425143	8.34%	0.680%
17	9.774	1299	1307	1310	rBV	3144378	3173701	62.28%	5.073%
18	9.810	1310	1313	1320	rVV	335588	323934	6.36%	0.518%
19	9.980	1339	1342	1346	rVB	635870	553213	10.86%	0.884%
20	10.327	1397	1401	1406	rVB	912167	773484	15.18%	1.236%
21	10.480	1425	1427	1431	rVB	163722	146300	2.87%	0.234%
22	10.574	1435	1443	1447	rBV2	449049	568211	11.15%	0.908%
23	10.692	1458	1463	1465	rBV3	143751	215422	4.23%	0.344%
24	10.880	1490	1495	1497	rBV2	128052	154594	3.03%	0.247%
25	11.027	1518	1520	1526	rVV3	82792	119162	2.34%	0.190%
26	11.086	1526	1530	1533	rVV	125674	124051	2.43%	0.198%
27	11.127	1533	1537	1540	rVV2	151743	191238	3.75%	0.306%
28	11.168	1540	1544	1552	rVB2	314870	341851	6.71%	0.546%
29	11.274	1558	1562	1563	rBV	507339	484346	9.50%	0.774%
30	11.304	1563	1567	1570	rVV	3639102	3821715	74.99%	6.109%
31	11.351	1570	1575	1578	rVV	1535192	1352467	26.54%	2.162%
32	11.386	1578	1581	1587	rVB2	85429	124441	2.44%	0.199%
33	11.516	1598	1603	1607	rBV	533496	529570	10.39%	0.846%
34	11.563	1608	1611	1613	rVV2	195019	165739	3.25%	0.265%
35	11.586	1613	1615	1619	rVV	476398	414632	8.14%	0.663%
36	11.774	1644	1647	1650	rBV	412598	385136	7.56%	0.616%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.810	1650	1653	1657	rVB	565204	520238	10.21%	0.832%
38	11.857	1658	1661	1663	rBV	257107	218497	4.29%	0.349%
39	11.892	1663	1667	1669	rVV	1066823	993753	19.50%	1.588%
40	11.910	1669	1670	1677	rVB	277334	225719	4.43%	0.361%
41	11.968	1677	1680	1683	rBV	146581	151579	2.97%	0.242%
42	12.074	1695	1698	1702	rVB	393041	326148	6.40%	0.521%
43	12.121	1703	1706	1709	rBV2	128118	127546	2.50%	0.204%
44	12.327	1738	1741	1744	rBV	203262	232338	4.56%	0.371%
45	12.368	1744	1748	1750	rVV2	164056	216239	4.24%	0.346%
46	12.392	1750	1752	1755	rVV	971705	858671	16.85%	1.373%
47	12.433	1755	1759	1763	rVB2	190172	215419	4.23%	0.344%
48	12.510	1766	1772	1775	rBV	4014913	4997545	98.07%	7.988%
49	12.598	1784	1787	1791	rVB	377920	359152	7.05%	0.574%
50	12.651	1792	1796	1799	rBV	302457	274338	5.38%	0.439%
51	12.745	1804	1812	1815	rBV2	3558713	5096035	100.00%	8.146%
52	12.780	1815	1818	1822	rVB2	234522	245274	4.81%	0.392%
53	12.868	1826	1833	1836	rBV2	1231067	1428399	28.03%	2.283%
54	12.898	1836	1838	1842	rVB	288293	249043	4.89%	0.398%
55	12.951	1842	1847	1851	rBV2	290479	539885	10.59%	0.863%
56	12.986	1851	1853	1858	rVB	136840	153900	3.02%	0.246%
57	13.033	1858	1861	1863	rBV2	266370	336429	6.60%	0.538%
58	13.062	1863	1866	1869	rVB	868710	817049	16.03%	1.306%
59	13.098	1869	1872	1874	rBV2	102887	108458	2.13%	0.173%
60	13.127	1874	1877	1880	rBV	820121	673489	13.22%	1.077%
61	13.168	1880	1884	1890	rVB2	433802	601989	11.81%	0.962%
62	13.257	1896	1899	1902	rBV	232079	207708	4.08%	0.332%
63	13.292	1902	1905	1907	rBV2	237031	257008	5.04%	0.411%
64	13.357	1914	1916	1922	rVB4	69661	102320	2.01%	0.164%
65	13.545	1945	1948	1952	rBV4	91673	154091	3.02%	0.246%
66	13.586	1952	1955	1957	rVB	252732	239034	4.69%	0.382%
67	13.686	1969	1972	1974	rBV	335368	337641	6.63%	0.540%
68	13.710	1974	1976	1979	rVB	411939	322569	6.33%	0.516%
69	13.739	1979	1981	1983	rBV	372438	354623	6.96%	0.567%
70	13.798	1989	1991	1995	rVB	261073	246597	4.84%	0.394%
71	13.857	1996	2001	2008	rBV	154902	265358	5.21%	0.424%
72	13.939	2009	2015	2019	rVV3	2376311	3876836	76.08%	6.197%
73	13.974	2019	2021	2027	rVV	2052397	2042563	40.08%	3.265%
74	14.051	2031	2034	2036	rVV	340041	275977	5.42%	0.441%
75	14.104	2039	2043	2048	rVV2	335018	412019	8.09%	0.659%
76	14.145	2048	2050	2052	rVV	186924	186105	3.65%	0.297%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.180	2054	2056	2059	rVB	216748	173720	3.41%	0.278%
78	14.292	2073	2075	2077	rBV	95973	104388	2.05%	0.167%
79	14.333	2077	2082	2085	rVV	408273	529833	10.40%	0.847%
80	14.368	2085	2088	2090	rVB2	168495	154824	3.04%	0.247%
81	14.409	2090	2095	2097	rBV4	173969	257595	5.05%	0.412%
82	14.433	2097	2099	2101	rVV	218668	208845	4.10%	0.334%
83	14.462	2101	2104	2105	rVV	249734	262154	5.14%	0.419%
84	14.480	2105	2107	2110	rVB2	276374	242647	4.76%	0.388%
85	14.574	2121	2123	2129	rVB2	171248	172640	3.39%	0.276%
86	14.774	2155	2157	2163	rVB	163052	164968	3.24%	0.264%
87	14.839	2164	2168	2172	rVB	144155	170521	3.35%	0.273%
88	14.998	2190	2195	2198	rBV	1402306	2278779	44.72%	3.643%
89	15.104	2209	2213	2217	rBV	357796	397067	7.79%	0.635%
90	15.186	2224	2227	2229	rBV3	83637	106467	2.09%	0.170%
91	15.298	2242	2246	2250	rBV	717723	864703	16.97%	1.382%
92	15.368	2253	2258	2264	rVV	1109648	1415714	27.78%	2.263%
93	15.427	2264	2268	2270	rVV	238019	298759	5.86%	0.478%
94	15.456	2270	2273	2279	rVB	383628	528557	10.37%	0.845%
95	15.992	2361	2364	2369	rVB2	77858	104305	2.05%	0.167%
96	16.774	2492	2497	2504	rVB2	240586	453227	8.89%	0.724%
97	16.933	2517	2524	2532	rBV	456692	928808	18.23%	1.485%
98	17.103	2550	2553	2558	rVB2	68076	107849	2.12%	0.172%
99	17.392	2596	2602	2612	rBV	319084	682861	13.40%	1.092%
100	17.650	2642	2646	2662	rVB2	110294	294315	5.78%	0.470%

Sum of corrected areas: 62560379

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
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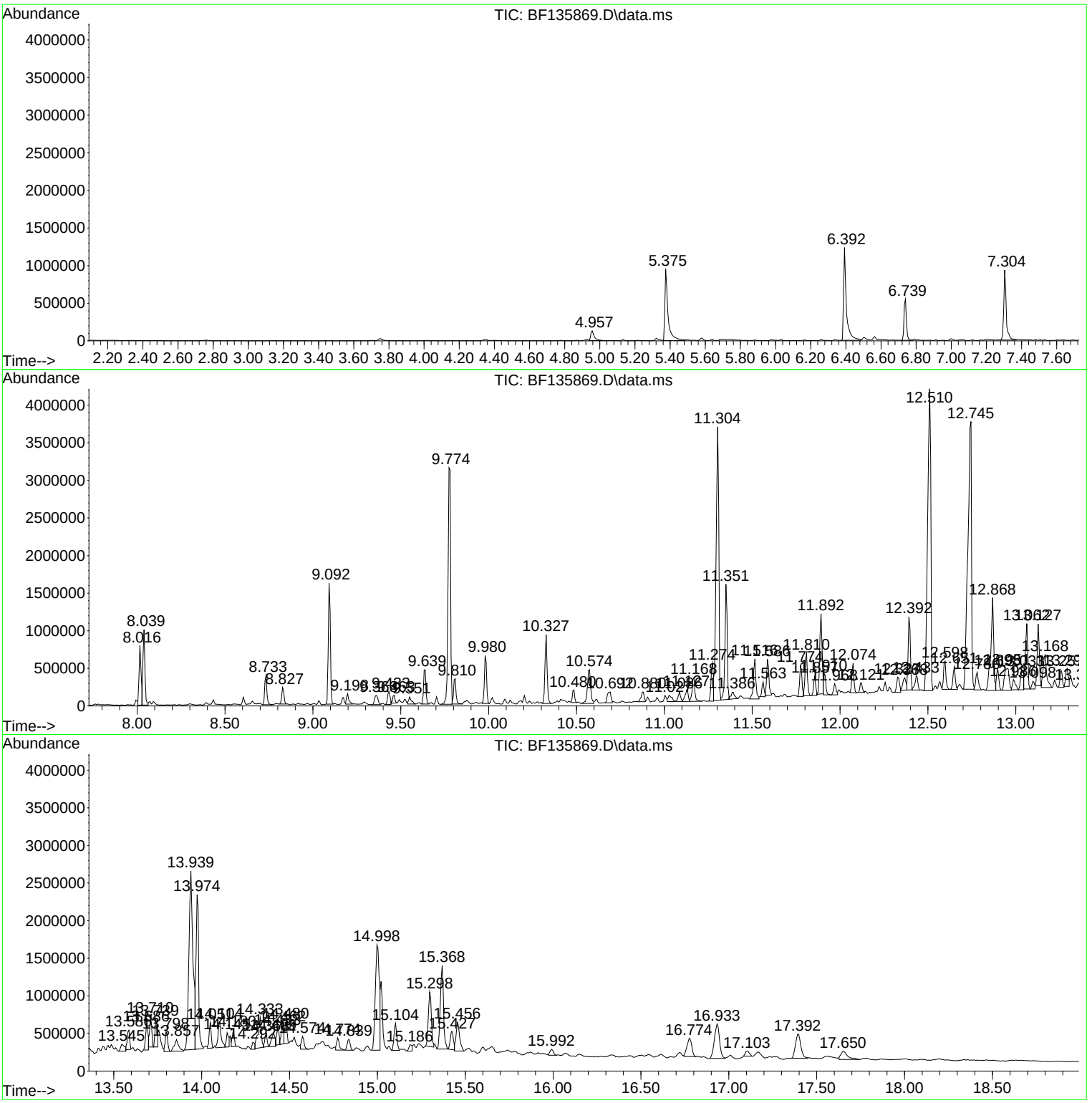
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
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Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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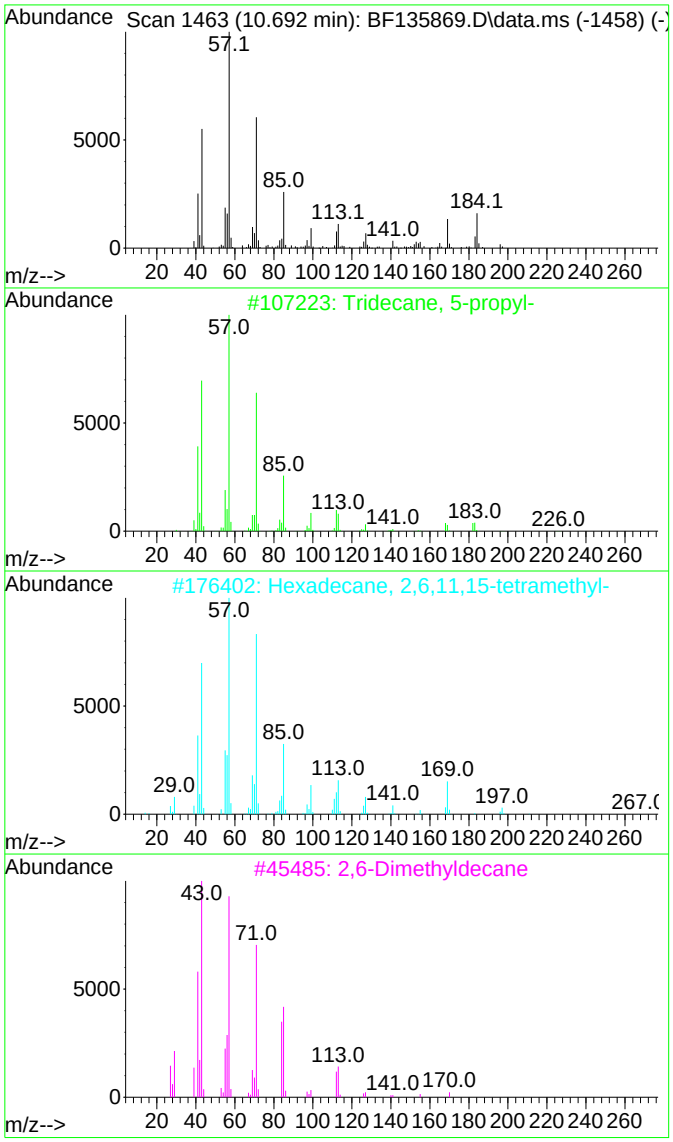
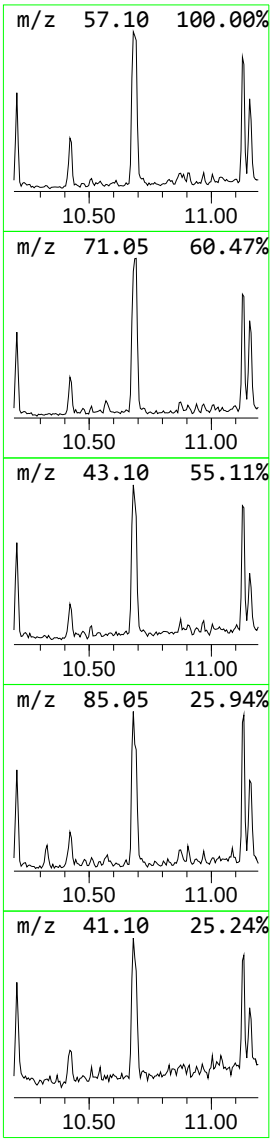
Peak Number 1 Tridecane, 5-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.692	8.90 ng	215422	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	70
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	60
4	Octane, 2-methyl-	128	C9H20	003221-61-2	58
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

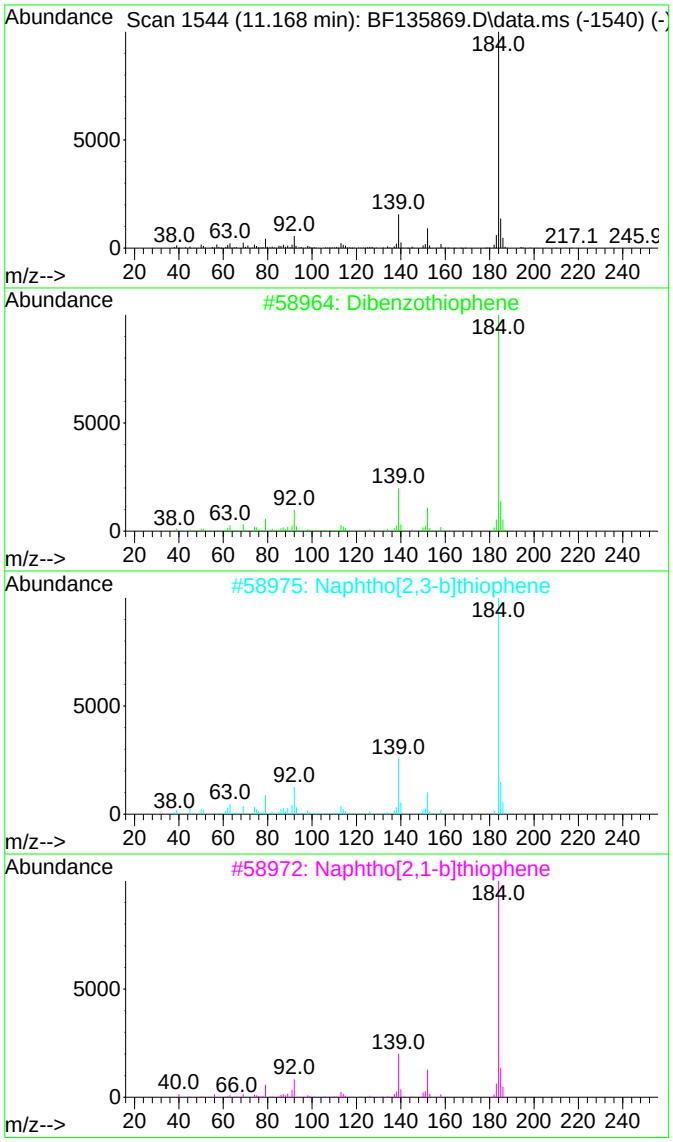
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

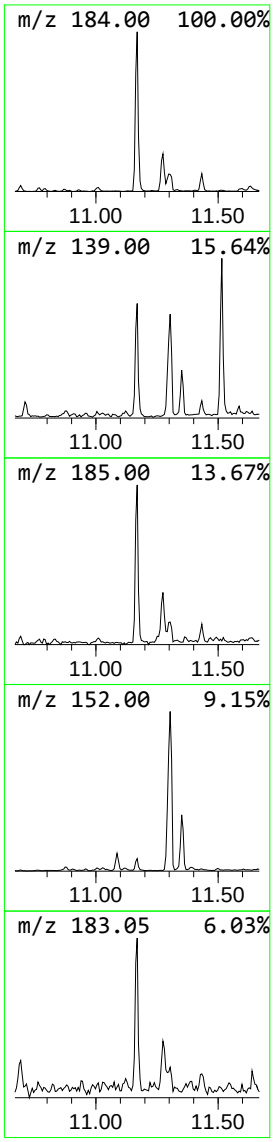
****

Peak Number 2 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	14.12 ng	341851	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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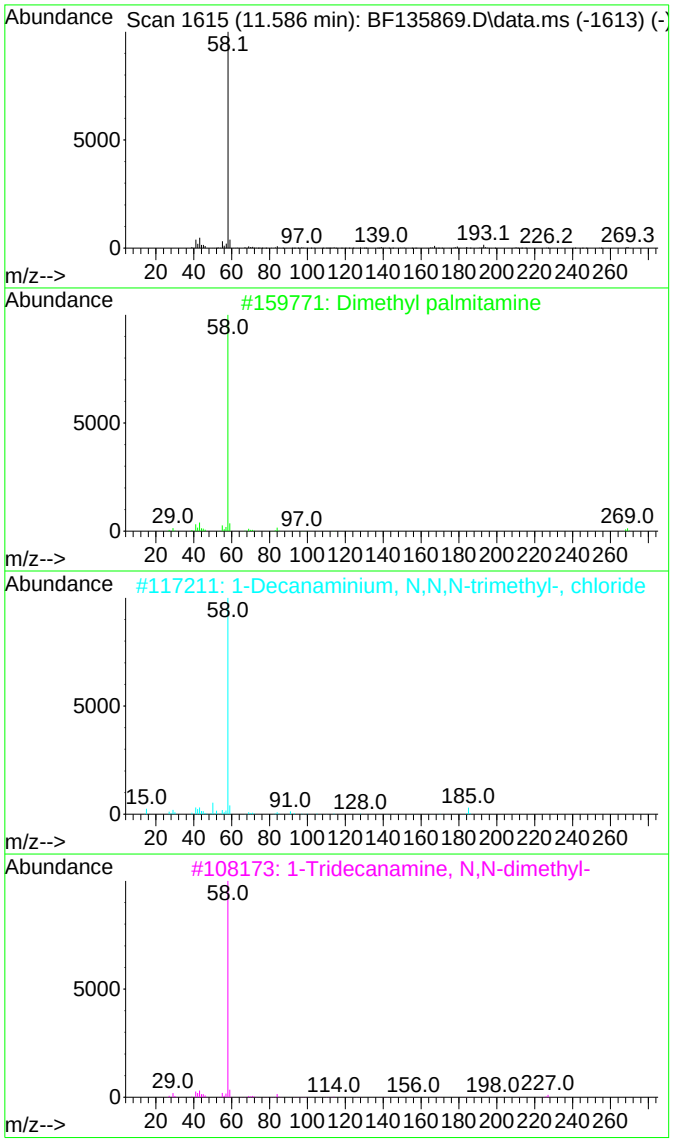
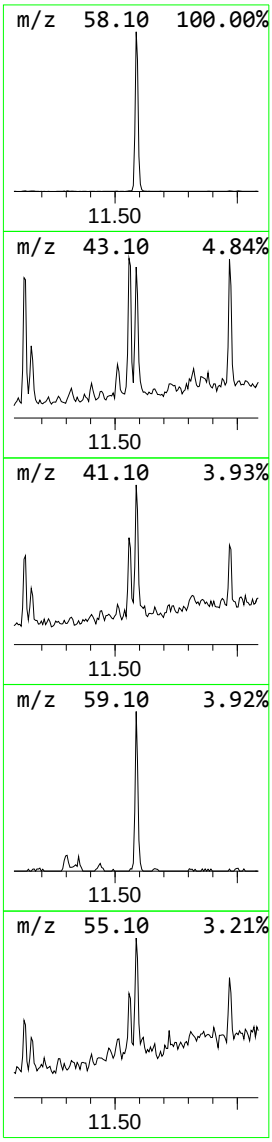
Peak Number 3 Dimethyl palmitamine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.586	17.12 ng	414632	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl palmitamine	269	C18H39N	000112-69-6	81
2	1-Decanaminium, N,N,N-trimethyl-...	235	C13H30ClN	010108-87-9	72
3	1-Tridecanamine, N,N-dimethyl-	227	C15H33N	017373-29-4	64
4	1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	64
5	1-Nonanamine, N,N-dimethyl-	171	C11H25N	017373-27-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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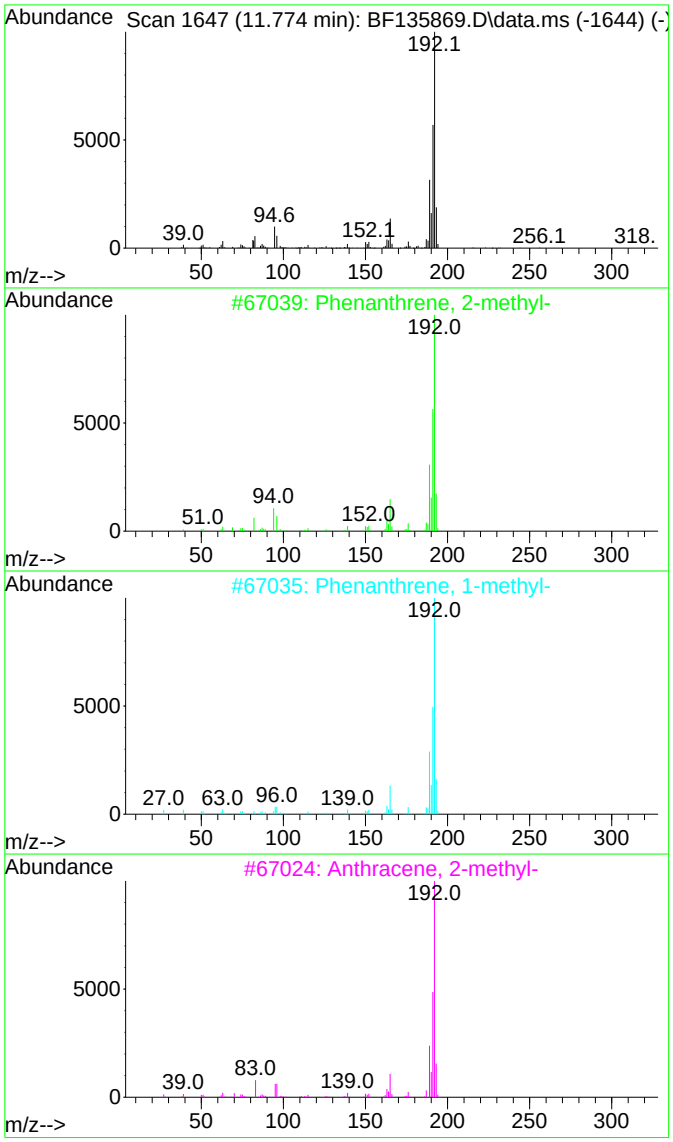
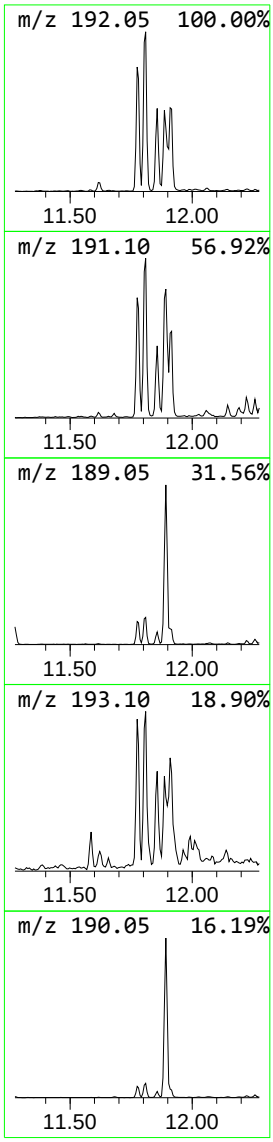
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	15.90 ng	385136	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

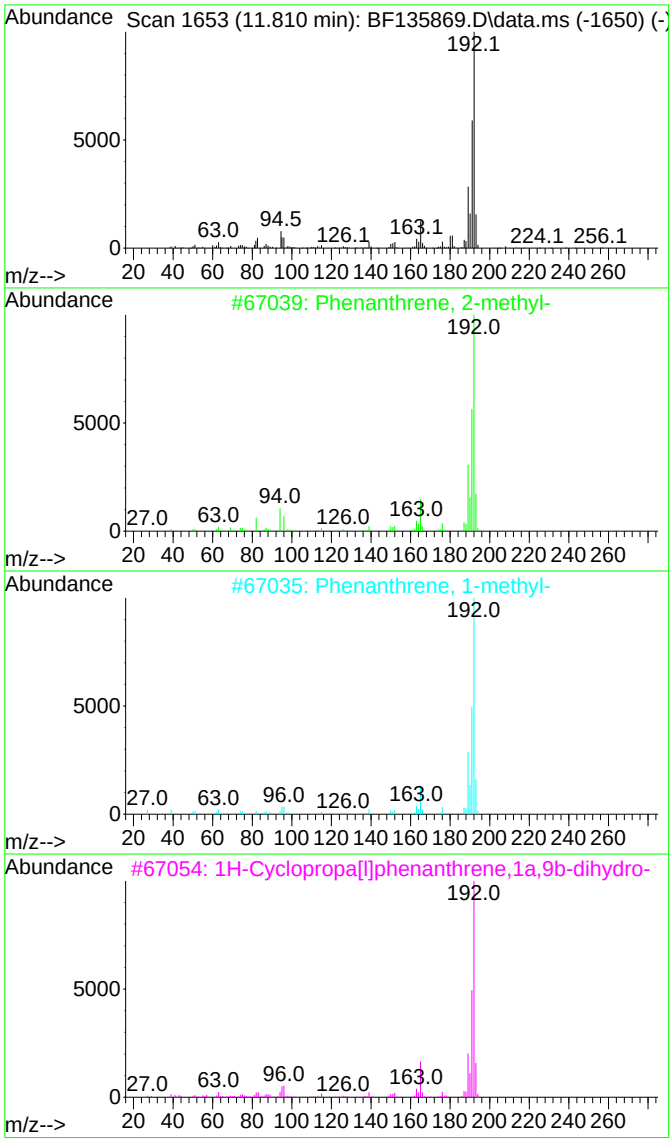
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

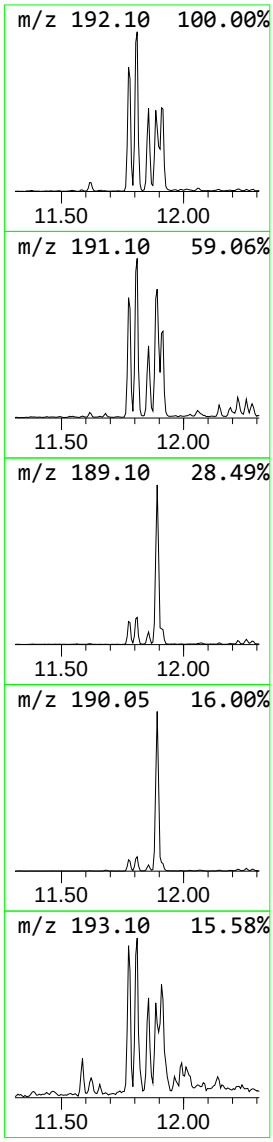
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	21.48 ng	520238	Phenanthrene-d10	11.274

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

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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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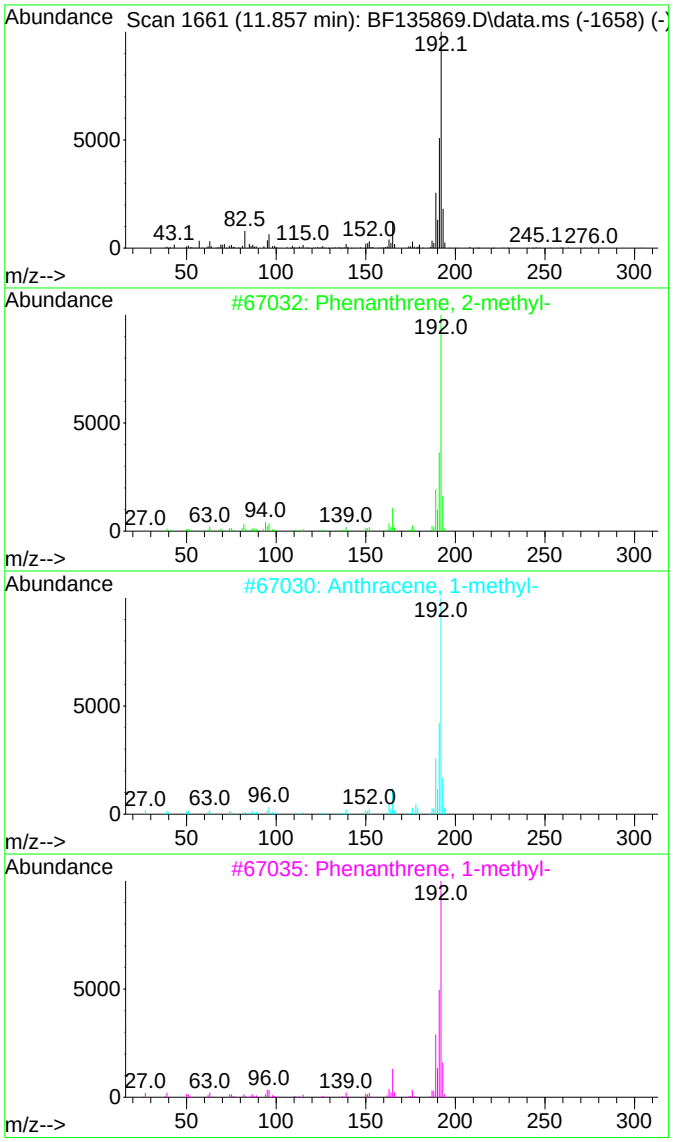
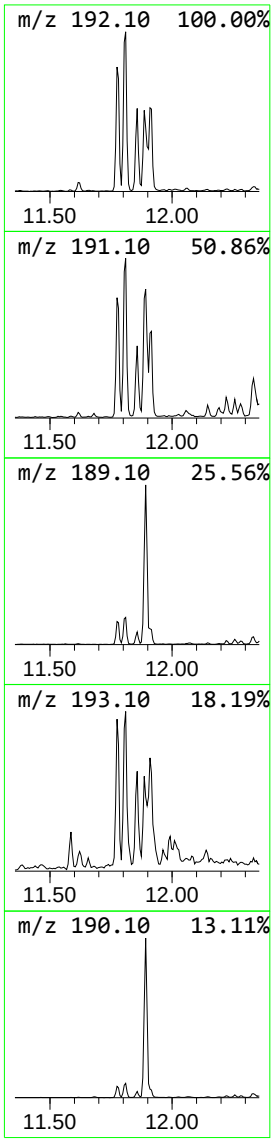
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	9.02 ng	218497	Phenanthrene-d10	11.274

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	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
Q-1(5-10)

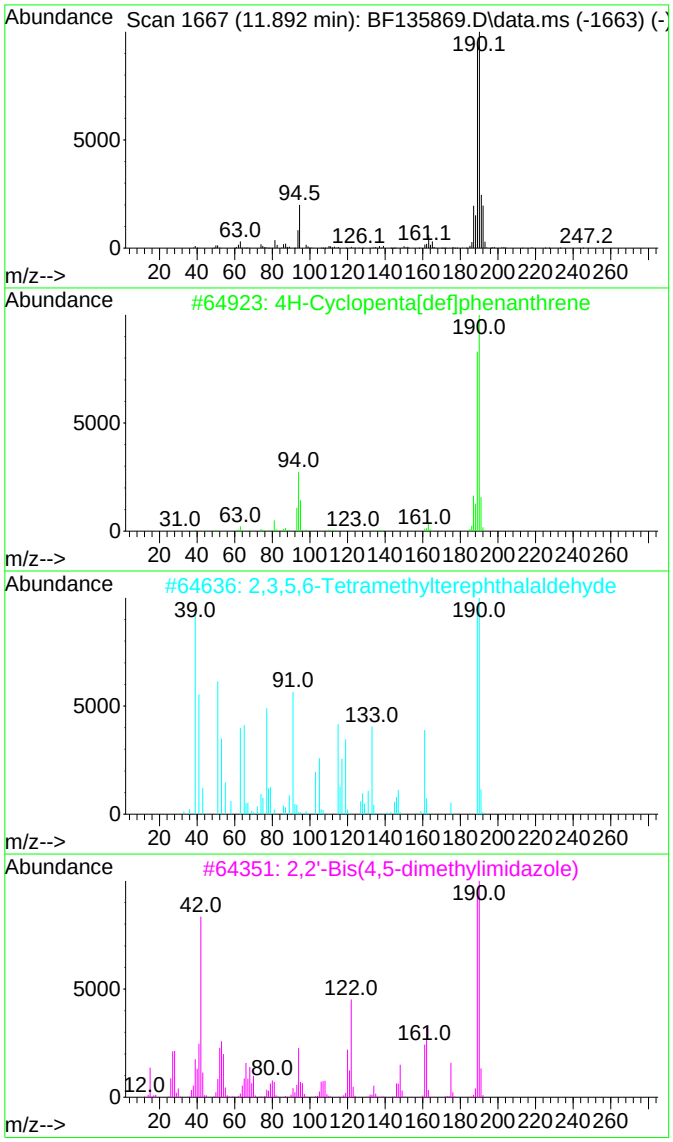
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

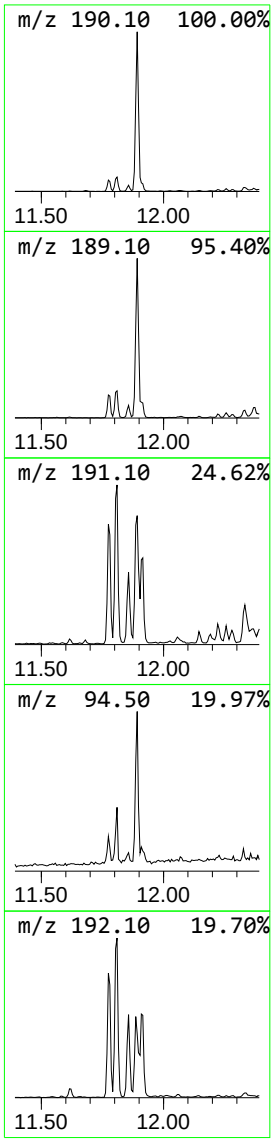
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	41.03 ng	993753	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





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Misc :
ALS Vial : 15 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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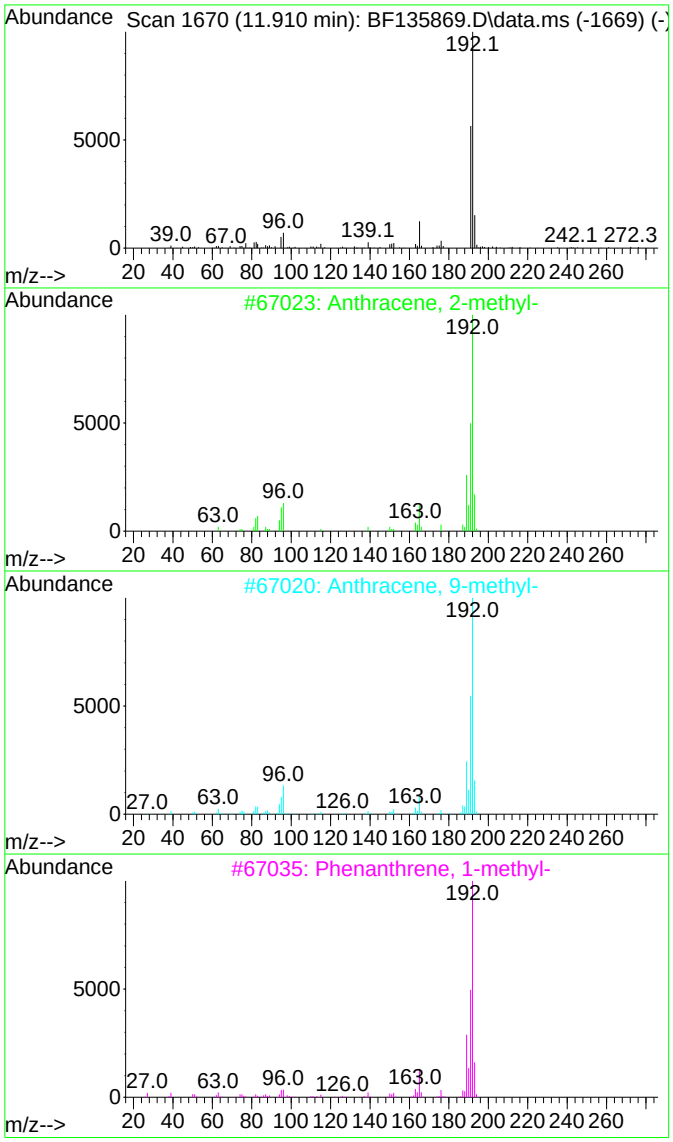
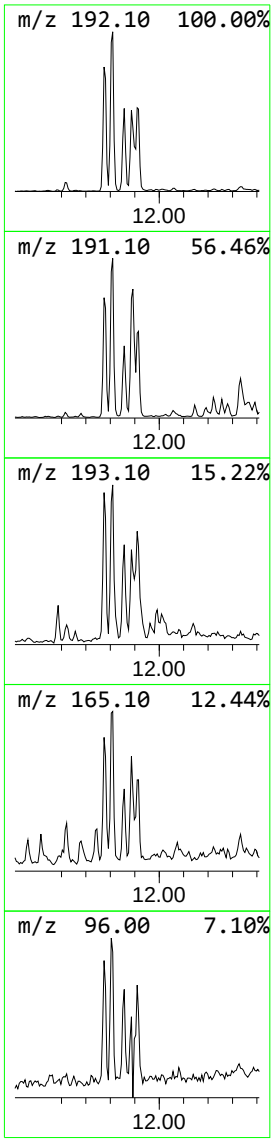
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	9.32 ng	225719	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : 04767-09
Misc :
ALS Vial : 15 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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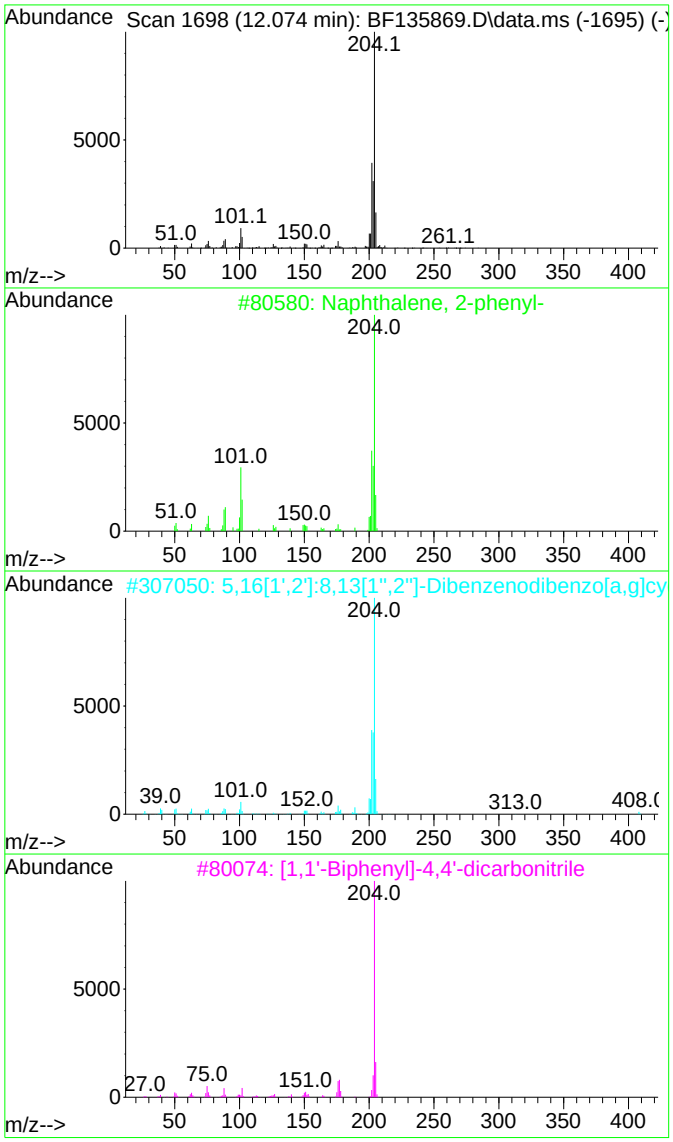
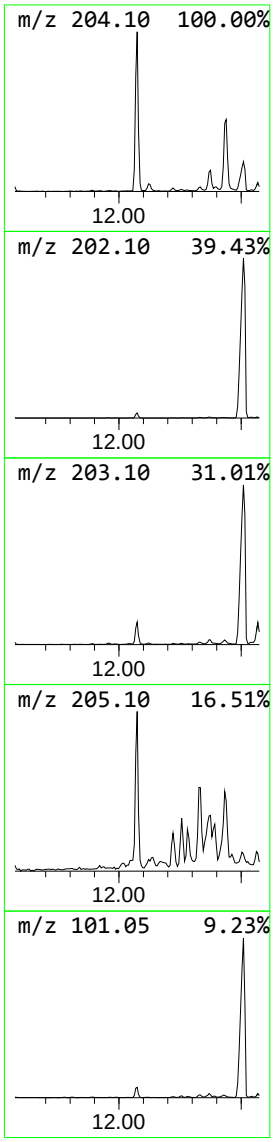
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	13.47 ng	326148	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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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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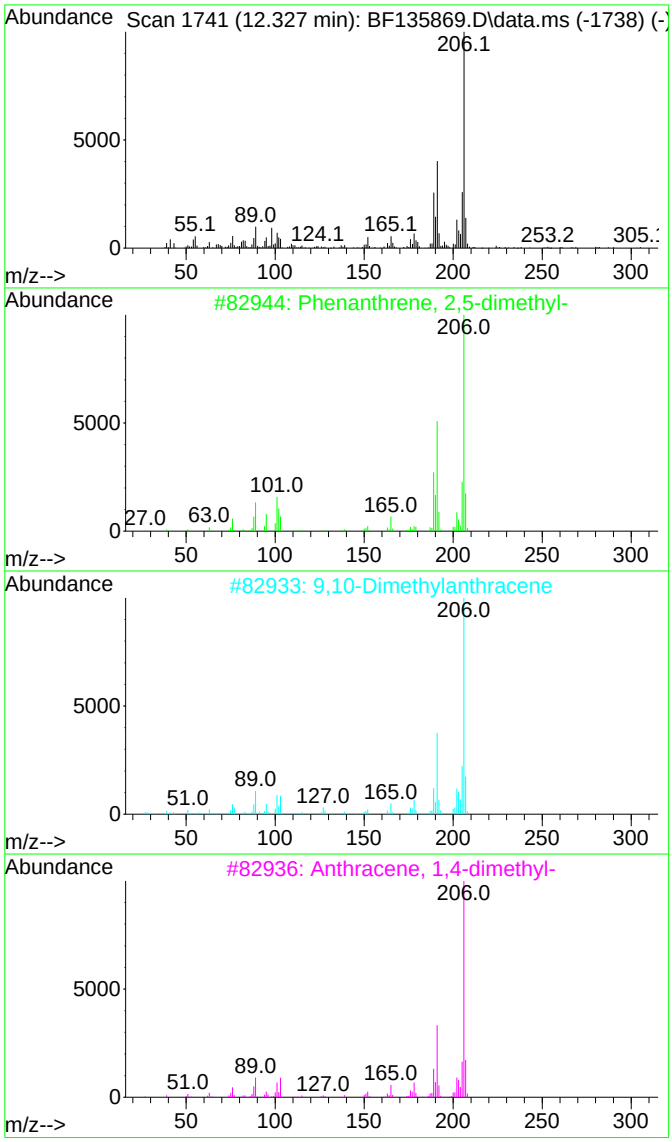
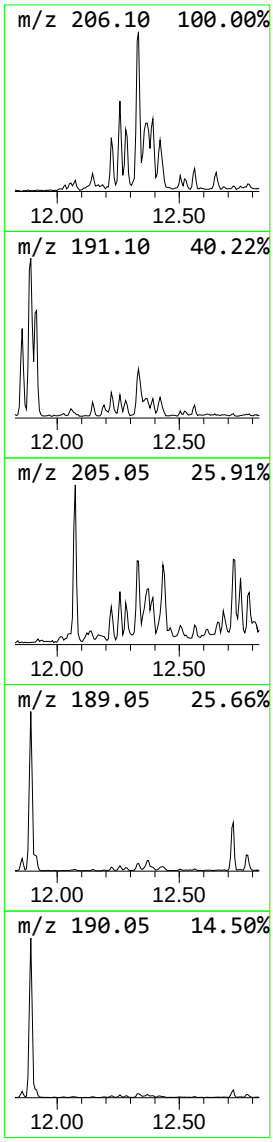
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	9.59 ng	232338	Phenanthrene-d10	11.274

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	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





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

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

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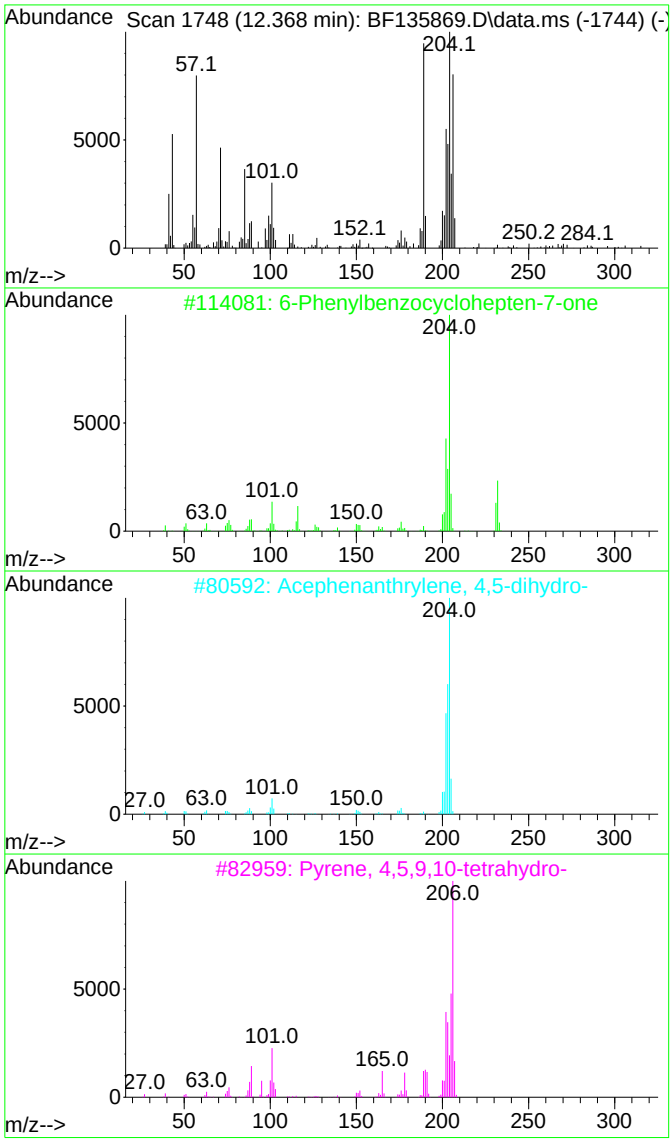
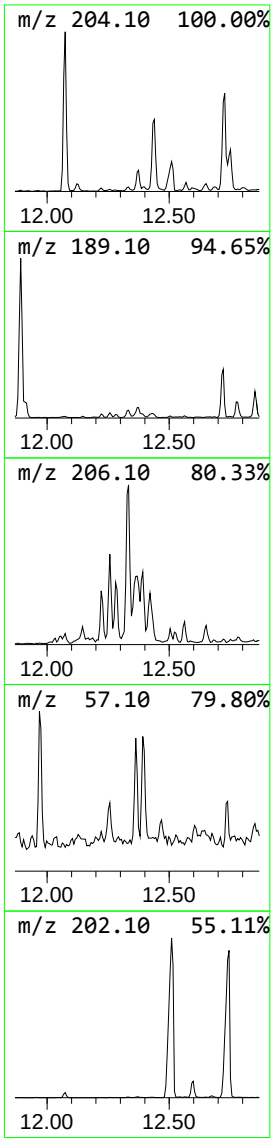
Peak Number 11 unknown12.368 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	8.93 ng	216239	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	42
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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Sample : 04767-09
Misc :
ALS Vial : 15 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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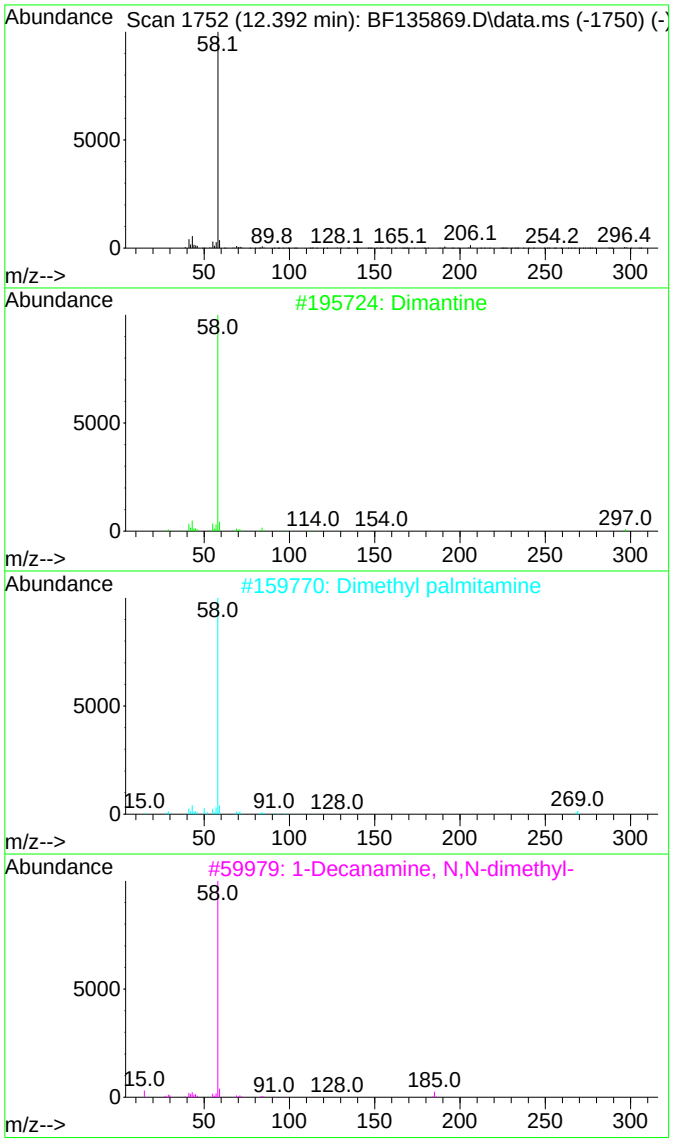
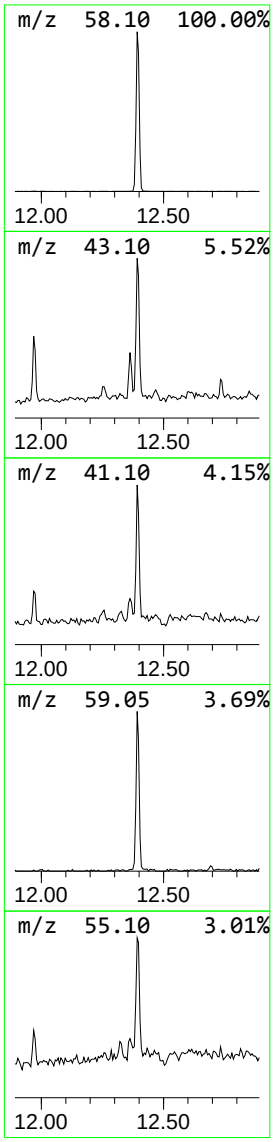
Peak Number 12 Dimantine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	35.46 ng	858671	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimantine	297	C20H43N	000124-28-7	90
2	Dimethyl palmitamine	269	C18H39N	000112-69-6	72
3	1-Decanamine, N,N-dimethyl-	185	C12H27N	001120-24-7	72
4	Cetrimonium Bromide	363	C19H42BrN	000057-09-0	72
5	Tetradonium Bromide	335	C17H38BrN	001119-97-7	72





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ALS Vial : 15 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 13 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	8.90 ng	215419	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
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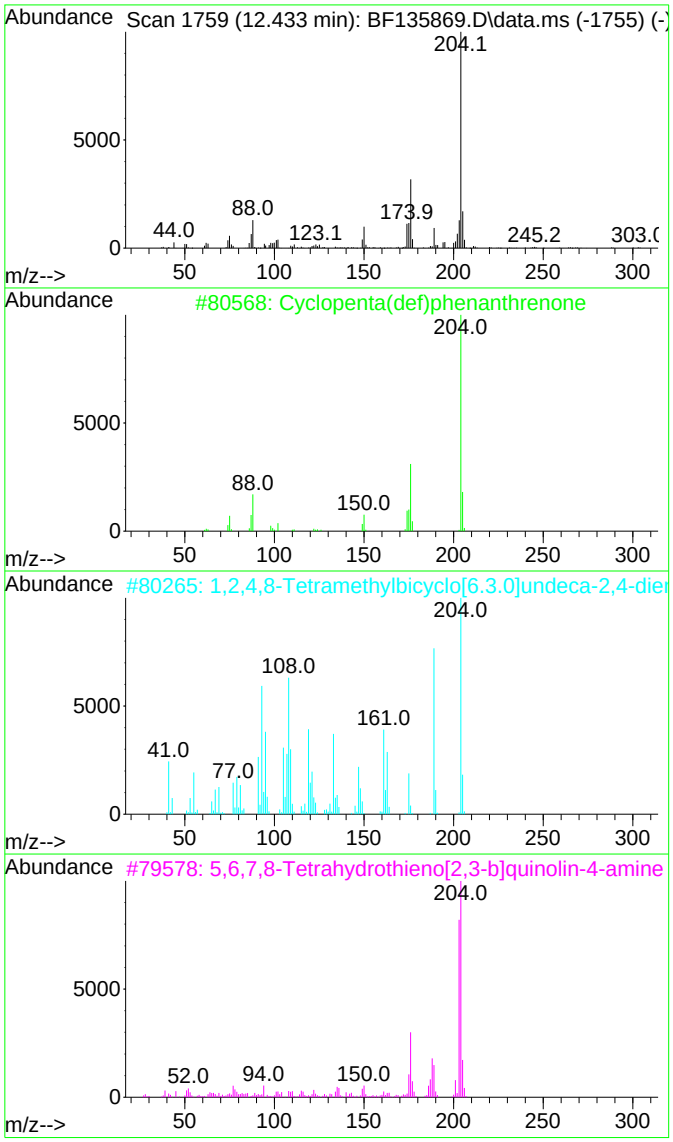

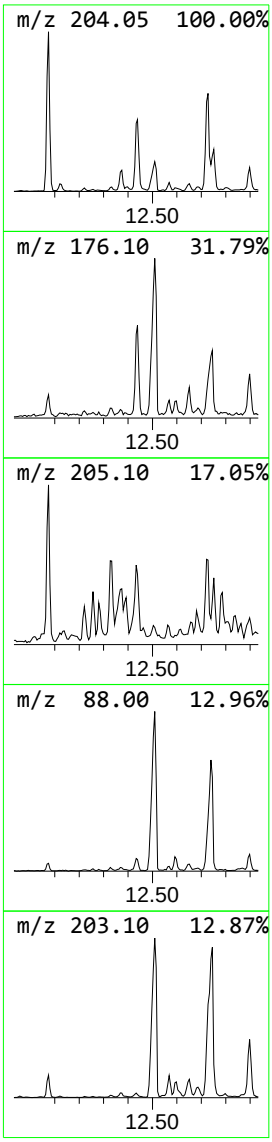

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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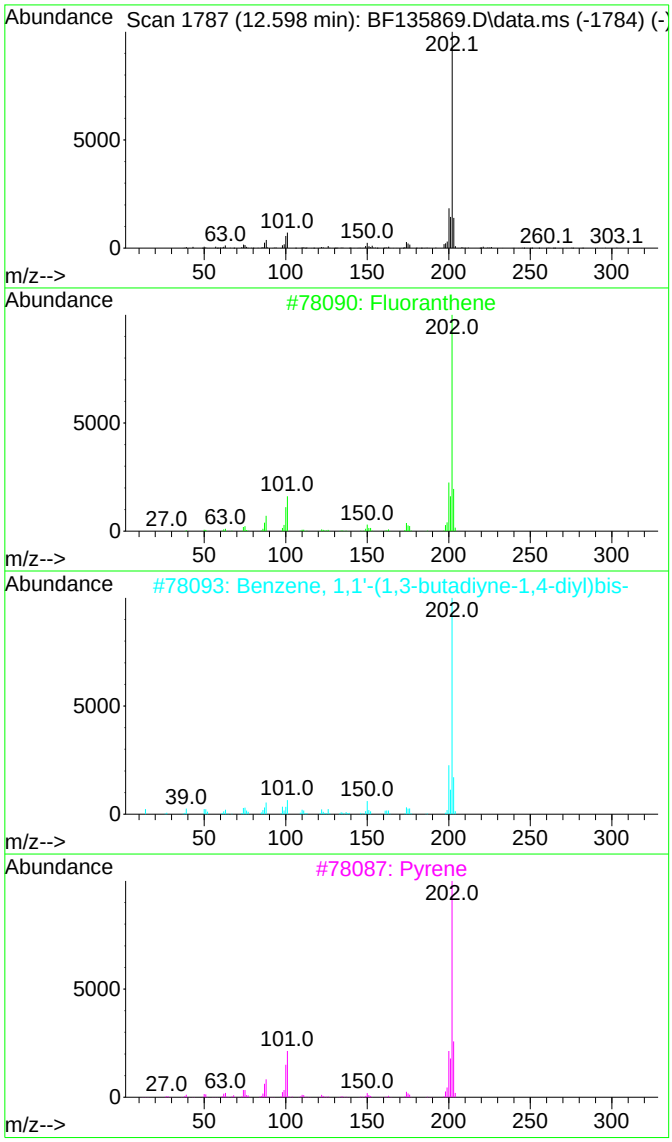
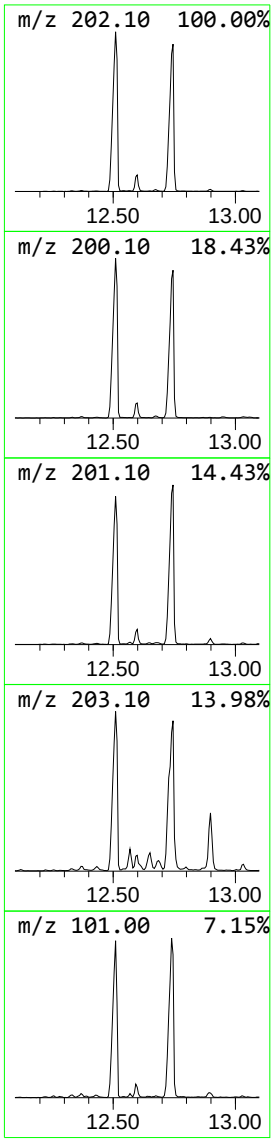
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.598	14.83 ng	359152	Phenanthrene-d10	11.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	91
2	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
3	Pyrene	202	C16H10	000129-00-0	64
4	3(2H)-Pyridazinone, 6-(4-methoxy...	202	C11H10N2O2	002166-33-8	42
5	l-Leucyl-l-leucine, N,N'-dimethy...	542	C30H58N2O6	1000328-59-8	36





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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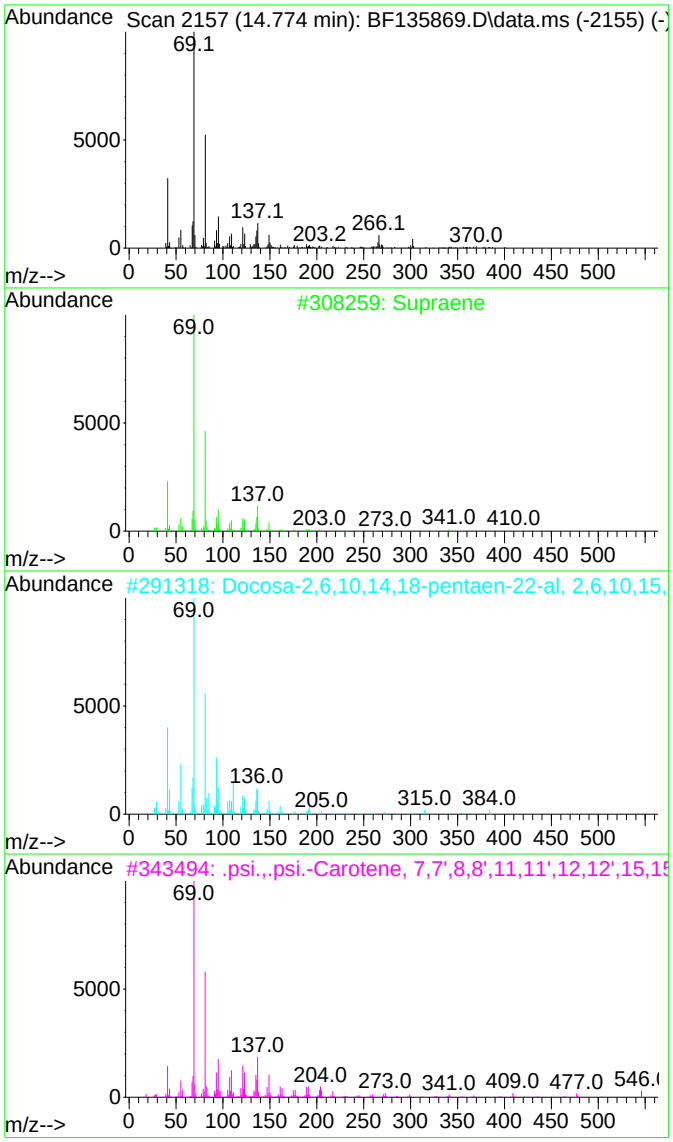
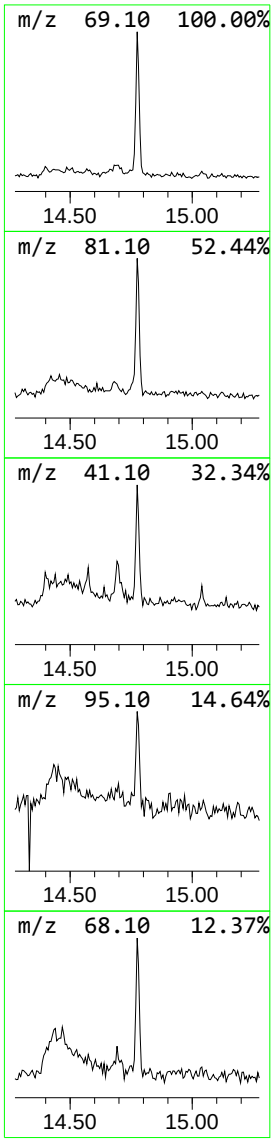
Peak Number 15 Supraene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.774	11.04 ng	164968	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	83
2	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	72
3	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	72
4	2,6,10,14-Hexadecatetraen-1-ol, ...	332	C22H36O2	061691-98-3	59
5	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	53





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TIC Library : C:\Database\NIST20.L
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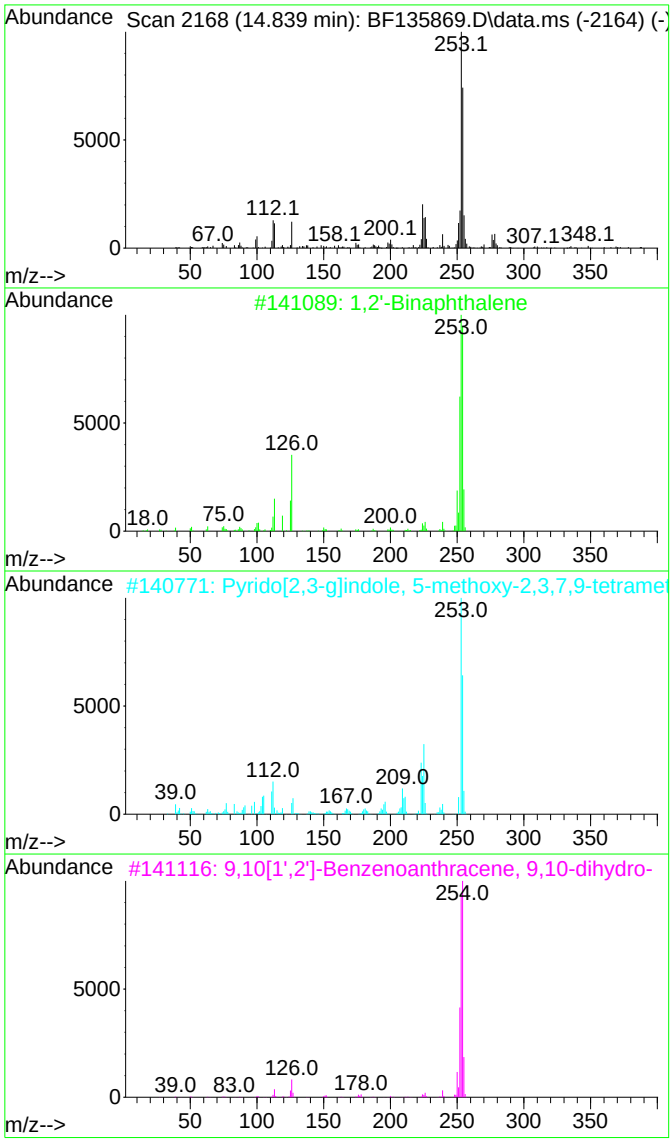
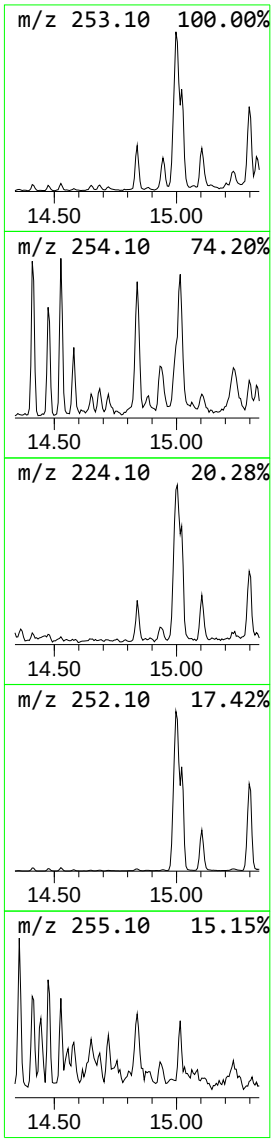
Peak Number 16 1,2'-Binaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.839	11.42 ng	170521	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	81
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	80
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
5	1H-1,2,4-Triazole-5(4H)-thione, ...	254	C13H10N4S	057600-03-0	58





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Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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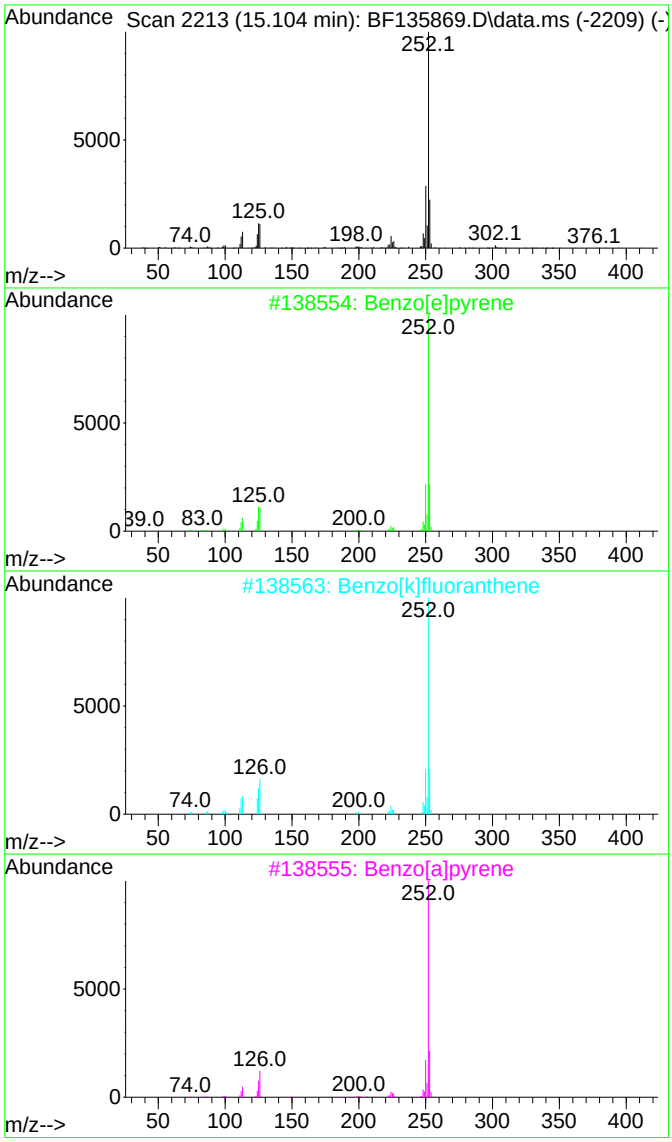
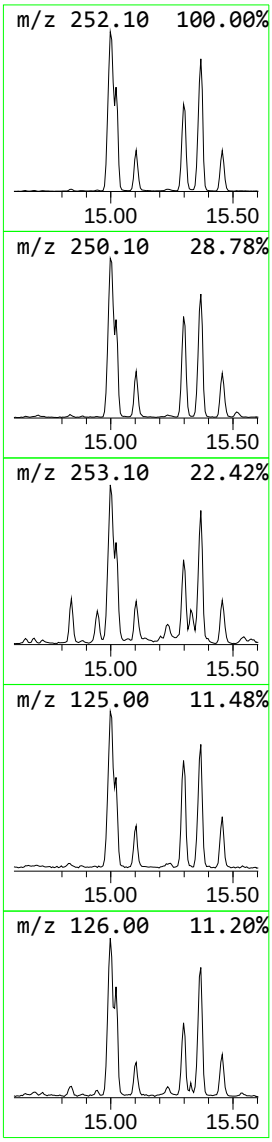
Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	26.58 ng	397067	Perylene-d12	15.427

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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	95





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Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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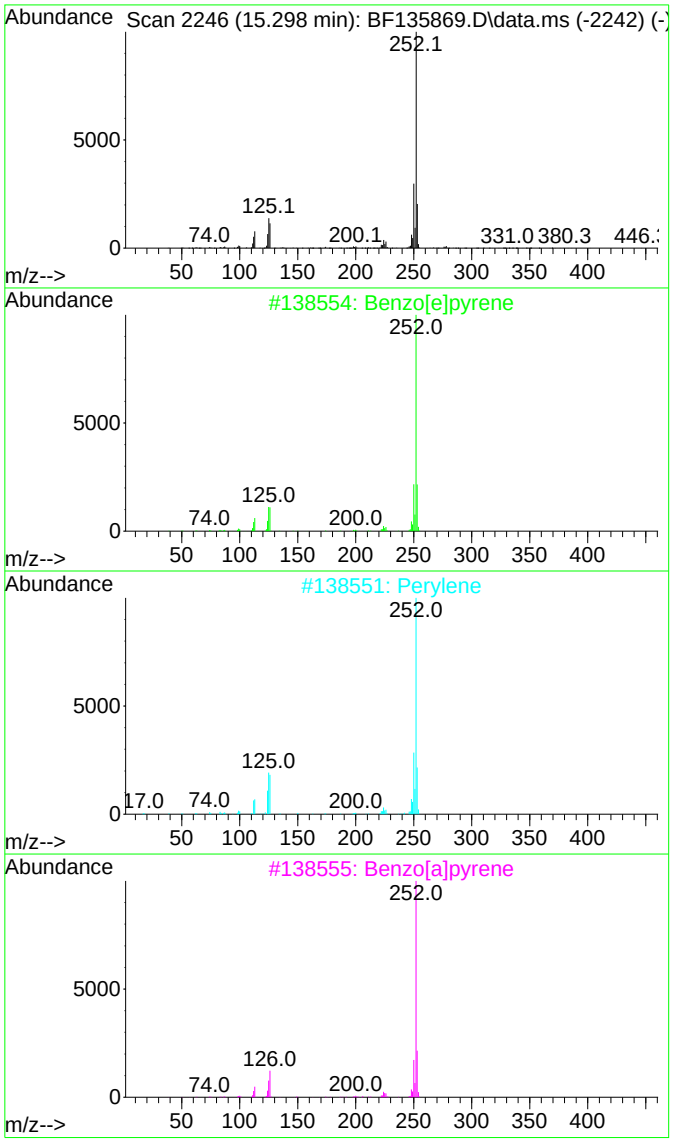
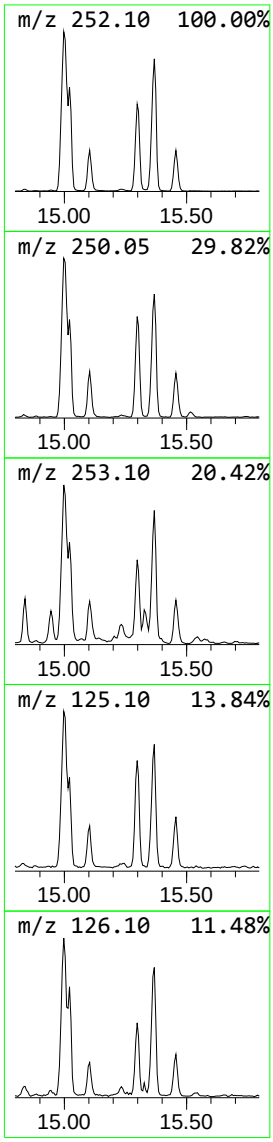
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	57.89 ng	864703	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	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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Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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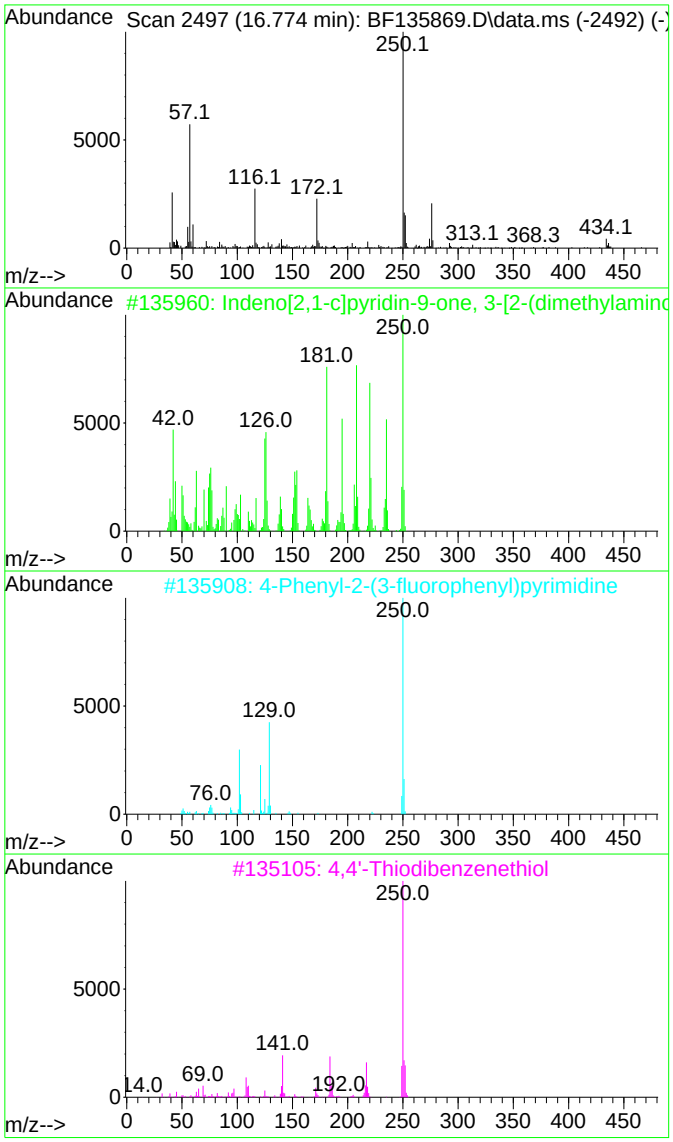
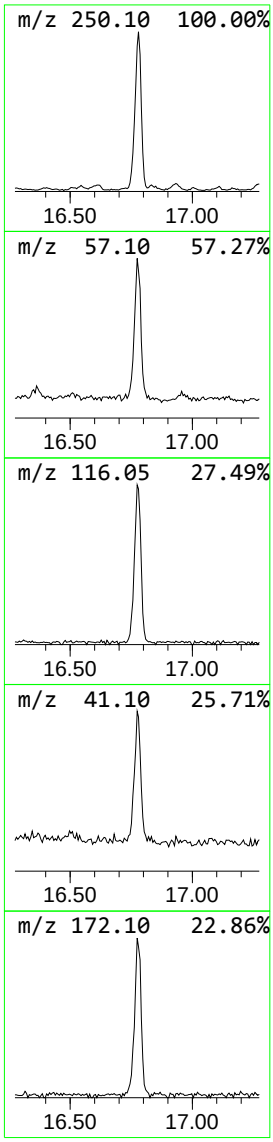
Peak Number 19 unknown16.774 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.774	30.34 ng	453227	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-c]pyridin-9-one, 3-[2...	250	C16H14N2O	311788-69-9	45
2	4-Phenyl-2-(3-fluorophenyl)pyrim...	250	C16H11FN2	076128-69-3	38
3	4,4'-Thiodibenzenethiol	250	C12H10S3	019362-77-7	37
4	Anhydro-2-n-butyl-3-phenyl-5-mer...	250	C12H14N2S2	1000254-97-9	37
5	Dicarbadodecaborane-c,c'-bis(pro...	252	C8H18B10N2	1000260-31-4	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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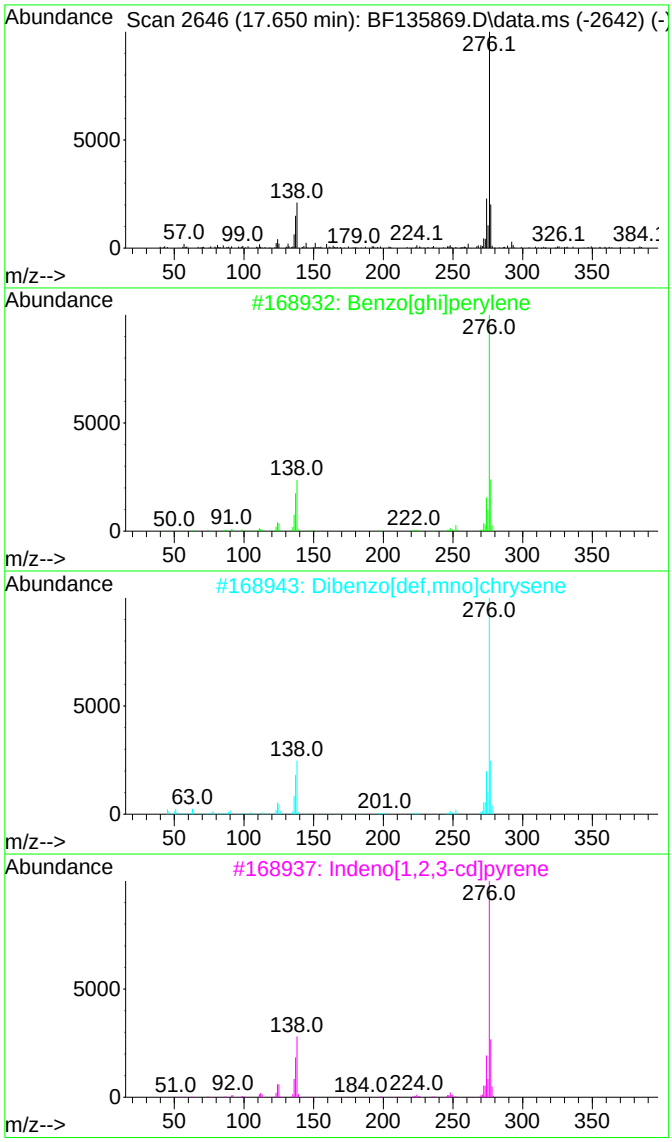
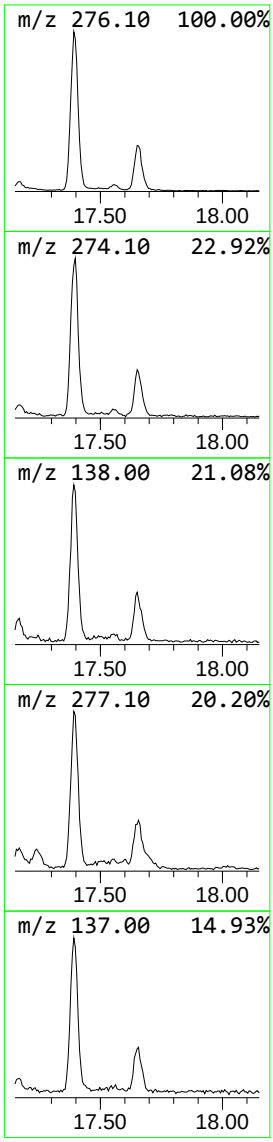
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.650	19.70 ng	294315	Perylene-d12	15.427

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	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	1H-Indol-2-amine, N,N'-bis(trime...	276	C14H24N2Si2	1000500-18-2	47
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135869.D
Acq On : 19 Oct 2023 02:29
Operator : CG\JU
Sample : 04767-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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
Tridecane, 5-pr...	10.692	8.9	ng	215422	4	11.274	484346	20.0
Dibenzothiophene	11.169	14.1	ng	341851	4	11.274	484346	20.0
Dimethyl palmit...	11.586	17.1	ng	414632	4	11.274	484346	20.0
Phenanthrene, 2...	11.774	15.9	ng	385136	4	11.274	484346	20.0
Phenanthrene, 1...	11.810	21.5	ng	520238	4	11.274	484346	20.0
Anthracene, 1-m...	11.857	9.0	ng	218497	4	11.274	484346	20.0
4H-Cyclopenta[d...	11.892	41.0	ng	993753	4	11.274	484346	20.0
Anthracene, 2-m...	11.910	9.3	ng	225719	4	11.274	484346	20.0
Naphthalene, 2-...	12.074	13.5	ng	326148	4	11.274	484346	20.0
Phenanthrene, 2...	12.327	9.6	ng	232338	4	11.274	484346	20.0
unknown12.368	12.368	8.9	ng	216239	4	11.274	484346	20.0
Dimantine	12.392	35.5	ng	858671	4	11.274	484346	20.0
Cyclopenta(def)...	12.433	8.9	ng	215419	4	11.274	484346	20.0
Benzene, 1,1'-(...	12.598	14.8	ng	359152	4	11.274	484346	20.0
Supraene	14.774	11.0	ng	164968	6	15.427	298759	20.0
1,2'-Binaphthalene	14.839	11.4	ng	170521	6	15.427	298759	20.0
Benzo[e]pyrene	15.104	26.6	ng	397067	6	15.427	298759	20.0
Perylene	15.298	57.9	ng	864703	6	15.427	298759	20.0
unknown16.774	16.774	30.3	ng	453227	6	15.427	298759	20.0
Dibenzo[def,mno...	17.650	19.7	ng	294315	6	15.427	298759	20.0