LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135872.D
Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135872.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.963	486	489	501	rBV	72407	97286	4.03%	0.259%
2	5.381	556	560	589	rBV	1100334	1360336	56.39%	3.619%
3	6.393	729	732	748	rBV	1120367	1282411	53.16%	3.412%
4	6.740	787	791	798	rBV	445603	391699	16.24%	1.042%
5	7.304	884	887	898	rBV	895261	822371	34.09%	2.188%
6	8.016	1005	1008	1010	rBV	614954	507696	21.05%	1.351%
7	8.039	1010	1012	1019	rVV	1062723	809756	33.57%	2.155%
8	8.734	1126	1130	1136	rBV	521988	417808	17.32%	1.112%
9	8.828	1143	1146	1157	rVB	319546	298988	12.39%	0.796%
10	9.092	1188	1191	1195	rBV	1423006	1261896	52.31%	3.358%
11	9.198	1206	1209	1215	rVB	121903	122970	5.10%	0.327%
12	9.292	1222	1225	1231	rVB	70534	72181	2.99%	0.192%
13	9.357	1233	1236	1241	rBV2	145212	200706	8.32%	0.534%
14	9.434	1245	1249	1252	rVV	248468	256645	10.64%	0.683%
15	9.463	1252	1254	1258	rVB2	190784	155368	6.44%	0.413%
16	9.551	1266	1269	1275	rBV	109263	121803	5.05%	0.324%
17	9.639	1281	1284	1287	rVB	94361	86519	3.59%	0.230%
18	9.745	1298	1302	1305	rVV2	392343	414592	17.19%	1.103%
19	9.775	1305	1307	1310	rVV	575965	469043	19.44%	1.248%
20	9.810	1310	1313	1320	rVV	630747	551237	22.85%	1.467%
21	9.892	1320	1327	1330	rVV3	121338	143170	5.94%	0.381%
22	9.928	1330	1333	1336	rVV2	60562	65063	2.70%	0.173%
23	9.986	1336	1343	1346	rVV	396055	401916	16.66%	1.069%
24	10.022	1346	1349	1357	rVB	94670	99514	4.13%	0.265%
25	10.092	1357	1361	1364	rBV	71226	74451	3.09%	0.198%
26	10.122	1364	1366	1372	rVV	59997	60801	2.52%	0.162%
27	10.186	1372	1377	1378	rVV	51030	61502	2.55%	0.164%
28	10.328	1397	1401	1407	rVB	730447	612284	25.38%	1.629%
29	10.416	1414	1416	1418	rVB	86228	68403	2.84%	0.182%
30	10.486	1425	1428	1432	rVB	150030	149972	6.22%	0.399%
31	10.575	1440	1443	1446	rVV2	847160	759435	31.48%	2.021%
32	10.604	1446	1448	1453	rVB3	65676	91199	3.78%	0.243%
33	10.880	1489	1495	1497	rBV2	152317	170733	7.08%	0.454%
34	10.910	1497	1500	1502	rVV	74280	70604	2.93%	0.188%
35	11.086	1526	1530	1533	rVB2	67453	68453	2.84%	0.182%
36	11.122	1533	1536	1540	rVV2	63369	78080	3.24%	0.208%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.169	1541	1544	1550	rVB	188905	176261	7.31%	0.469%
38	11.275	1558	1562	1564	rBV	507405	498630	20.67%	1.327%
39	11.304	1564	1567	1570	rVV	2651776	2304197	95.52%	6.131%
40	11.351	1570	1575	1578	rVV	958611	818828	33.95%	2.179%
41	11.392	1578	1582	1586	rVV3	43134	79165	3.28%	0.211%
42	11.516	1598	1603	1609	rBV	343072	387634	16.07%	1.031%
43	11.780	1644	1648	1650	rVV	374686	349576	14.49%	0.930%
44	11.810	1650	1653	1658	rVV	734909	658014	27.28%	1.751%
45	11.857	1658	1661	1664	rVV	198407	169321	7.02%	0.451%
46	11.892	1664	1667	1669	rVV	562625	544274	22.56%	1.448%
47	11.916	1669	1671	1677	rVB	247339	206781	8.57%	0.550%
48	12.075	1695	1698	1702	rVB	227675	188426	7.81%	0.501%
49	12.122	1702	1706	1708	rBV2	104522	92701	3.84%	0.247%
50	12.222	1719	1723	1727	rBV	76798	95597	3.96%	0.254%
51	12.257	1727	1729	1731	rVV	100672	77761	3.22%	0.207%
52	12.333	1736	1742	1744	rBV	197708	203161	8.42%	0.541%
53	12.369	1744	1748	1751	rVV3	110934	161474	6.69%	0.430%
54	12.433	1754	1759	1766	rVB2	102099	148984	6.18%	0.396%
55	12.504	1766	1771	1774	rBV	2374569	2380368	98.68%	6.333%
56	12.539	1774	1777	1779	rVV2	85599	117503	4.87%	0.313%
57	12.563	1779	1781	1785	rVV2	74088	76707	3.18%	0.204%
58	12.598	1785	1787	1793	rVV3	82883	91342	3.79%	0.243%
59	12.651	1793	1796	1799	rVB	125181	109559	4.54%	0.292%
60	12.733	1804	1810	1815	rVV2	1876870	2412218	100.00%	6.418%
61	12.780	1815	1818	1822	rVB2	149451	154682	6.41%	0.412%
62	12.869	1826	1833	1836	rBV2	1131175	1127144	46.73%	2.999%
63	12.898	1836	1838	1842	rVB	103005	96138	3.99%	0.256%
64	12.945	1842	1846	1852	rBV2	169159	319353	13.24%	0.850%
65	12.992	1852	1854	1858	rVB	62380	69734	2.89%	0.186%
66	13.033	1858	1861	1863	rBV2	134727	166724	6.91%	0.444%
67	13.063	1863	1866	1869	rVB	513679	461580	19.14%	1.228%
68	13.127	1874	1877	1880	rBV	435242	369311	15.31%	0.983%
69	13.169	1880	1884	1891	rVV3	251544	348317	14.44%	0.927%
70	13.257	1896	1899	1902	rBV	145583	154062	6.39%	0.410%
71	13.292	1902	1905	1914	rVB2	146886	184335	7.64%	0.490%
72	13.357	1914	1916	1919	rBV3	106259	92824	3.85%	0.247%
73	13.551	1946	1949	1952	rBV4	63628	83222	3.45%	0.221%
74	13.586	1952	1955	1958	rVV	140581	138740	5.75%	0.369%
75	13.645	1961	1965	1968	rBV	917241	802722	33.28%	2.136%
76	13.692	1970	1973	1975	rBV2	155360	165843	6.88%	0.441%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(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

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Peak separation: 5

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

77	13.710	1975	1976	1979	rVB	186196	135238	5.61%	0.360%
78	13.739	1979	1981	1983	rBV	129670	120139	4.98%	0.320%
79	13.798	1989	1991	1996	rBV2	163923	193096	8.00%	0.514%
80	13.857	1999	2001	2007	rVB	64342	75586	3.13%	0.201%
81	13.939	2007	2015	2018	rBV2	1164580	1853881	76.85%	4.933%
82	13.974	2018	2021	2024	rVV	950834	926524	38.41%	2.465%
83	14.051	2031	2034	2037	rVB	223866	203259	8.43%	0.541%
84	14.104	2040	2043	2048	rVV4	100093	140719	5.83%	0.374%
85	14.145	2048	2050	2054	rVV2	88398	125800	5.22%	0.335%
86	14.180	2054	2056	2061	rVB	97029	88472	3.67%	0.235%
87	14.292	2073	2075	2077	rBV	80766	79889	3.31%	0.213%
88	14.333	2077	2082	2085	rVV	251020	308170	12.78%	0.820%
89	14.368	2085	2088	2091	rVB2	104325	95022	3.94%	0.253%
90	14.463	2101	2104	2105	rVV	102487	103351	4.28%	0.275%
91	14.480	2105	2107	2109	rVB	131713	101674	4.21%	0.271%
92	14.839	2164	2168	2172	rBV2	76864	113710	4.71%	0.303%
93	14.998	2190	2195	2197	rBV	622118	904984	37.52%	2.408%
94	15.104	2210	2213	2218	rBV	130740	151884	6.30%	0.404%
95	15.298	2242	2246	2253	rVB	311086	382216	15.85%	1.017%
96	15.363	2253	2257	2263	rBV	490665	596676	24.74%	1.588%
97	15.421	2263	2267	2270	rBV	244465	280523	11.63%	0.746%
98	15.457	2270	2273	2280	rVB2	124193	193641	8.03%	0.515%
99	16.933	2519	2524	2533	rVB	195917	385748	15.99%	1.026%
100	17.392	2598	2602	2612	rVB2	125026	263643	10.93%	0.701%

Sum of corrected areas: 37583949

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
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Misc :
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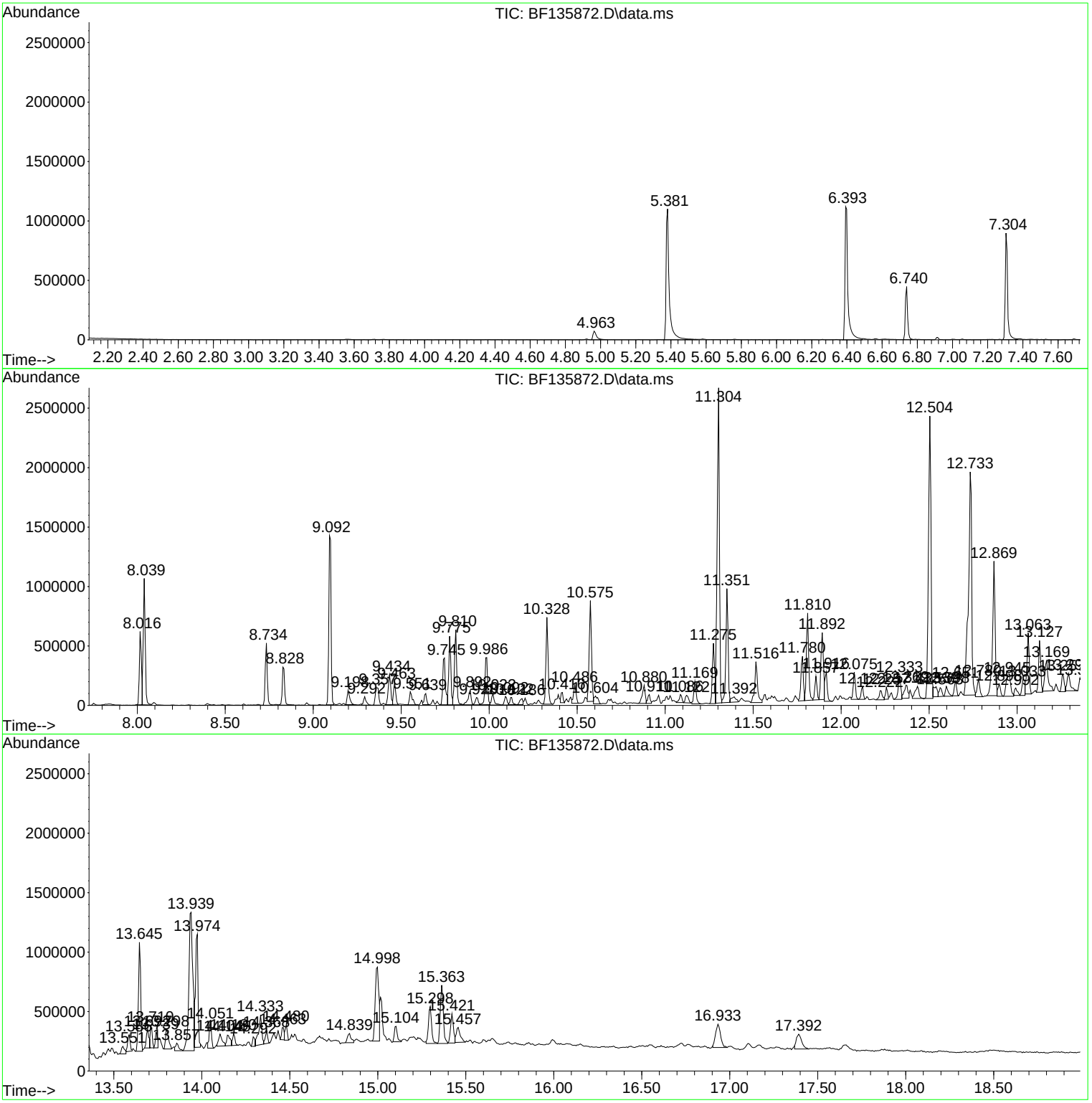
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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 : BF135872.D
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Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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

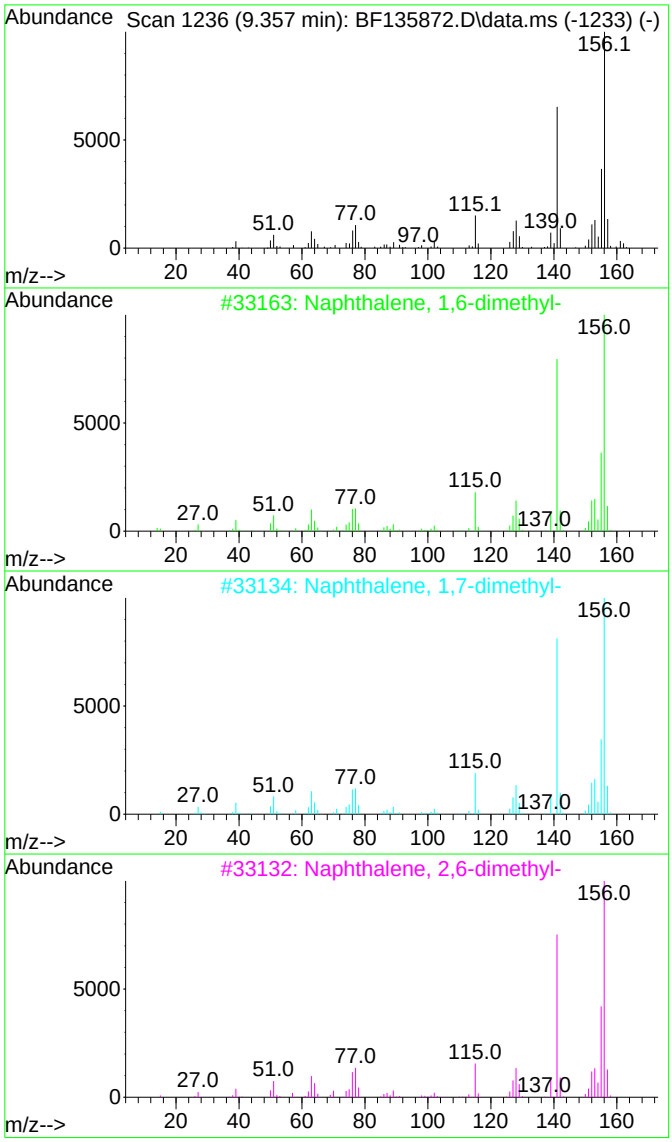
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

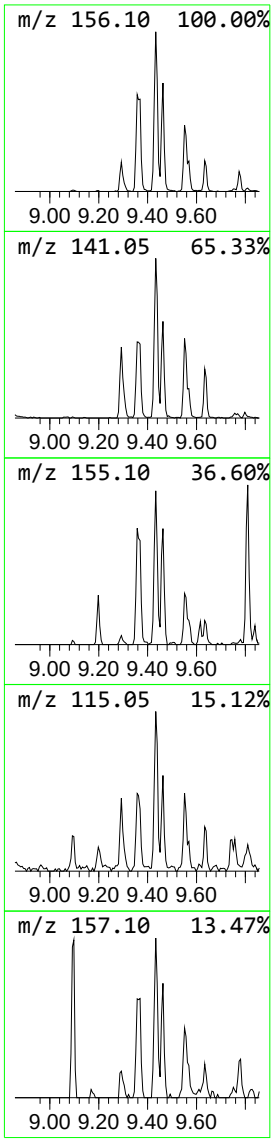
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.357	8.56 ng	200706	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135872.D
Acq On : 19 Oct 2023 04:00
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Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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

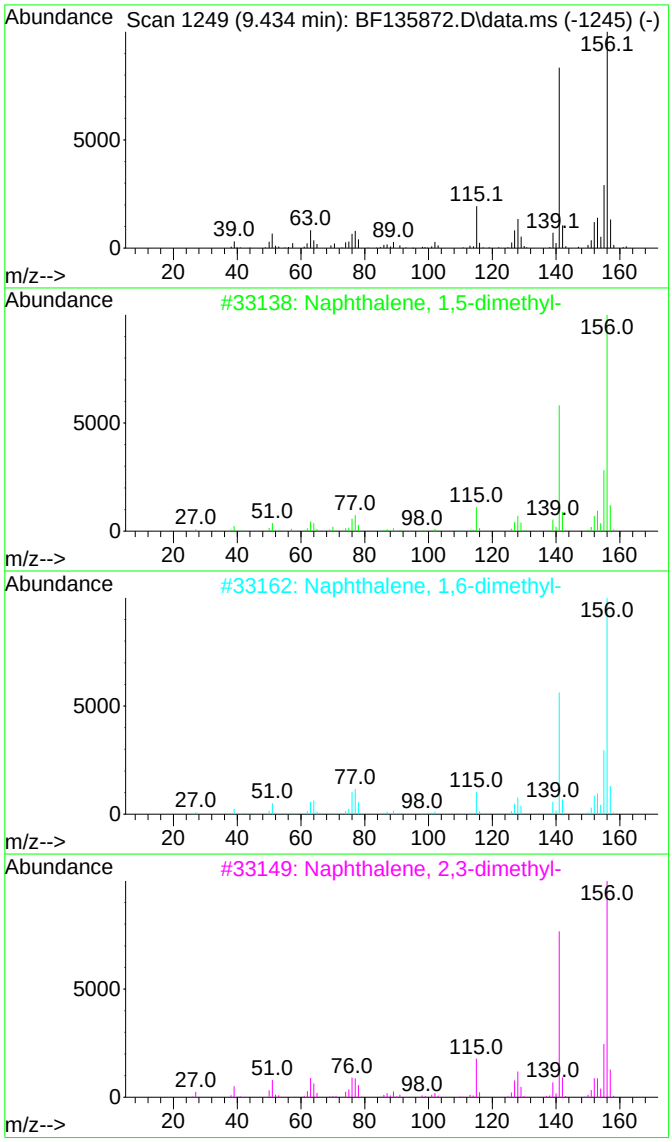
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

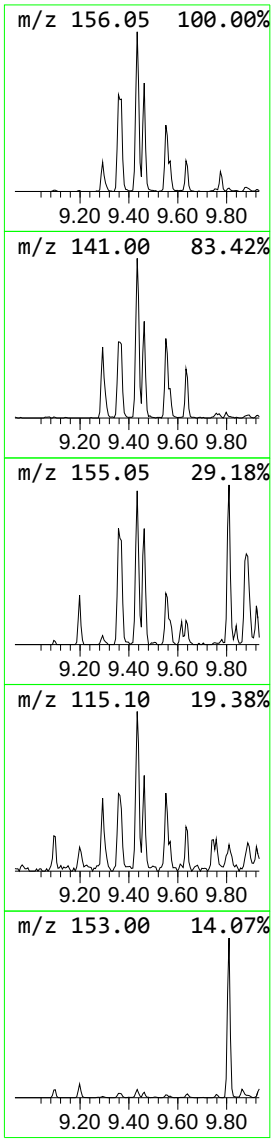
****

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	10.94 ng	256645	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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

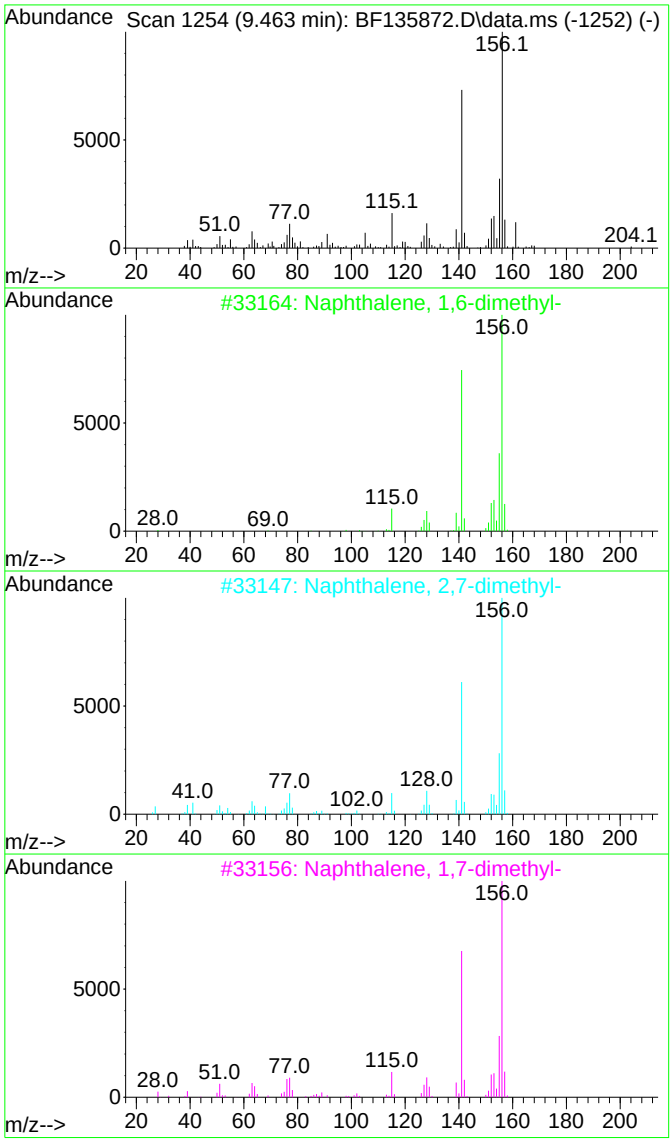
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

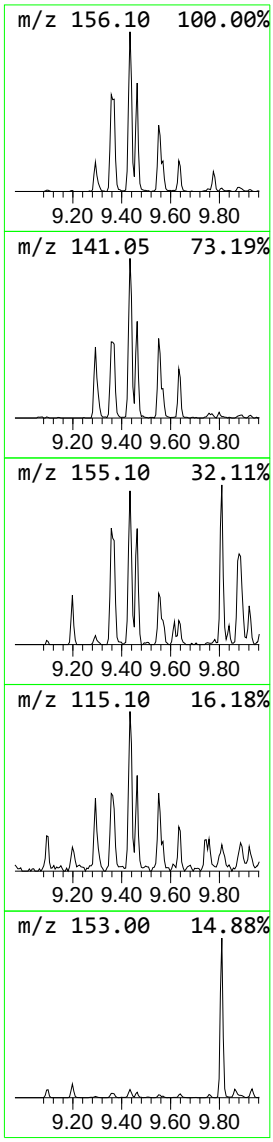
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.463	6.62 ng	155368	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





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Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

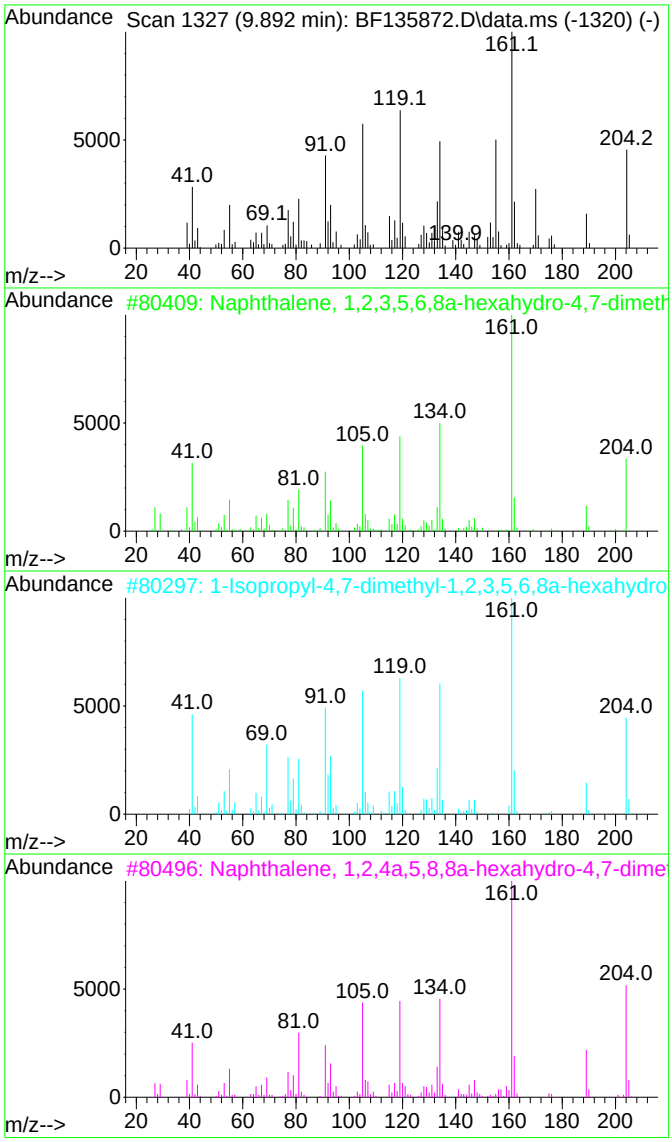
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

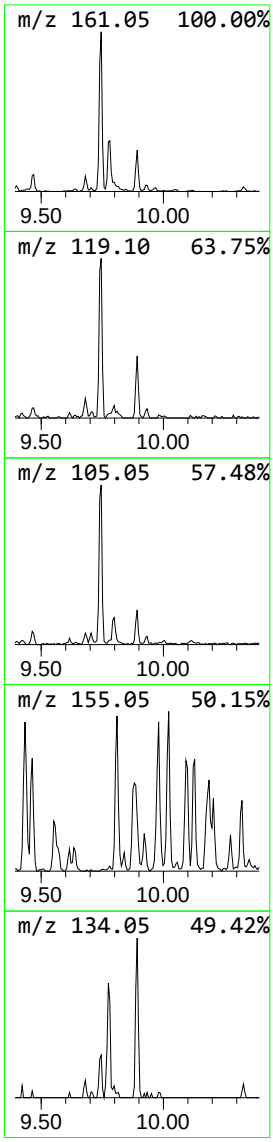
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	6.10 ng	143170	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	98
2	1-Isopropyl-4,7-dimethyl-1,2,3,5...	204	C15H24	016729-01-4	93
3	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	000523-47-7	70
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	59
5	cis-muurola-3,5-diene	204	C15H24	1000365-95-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135872.D
Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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

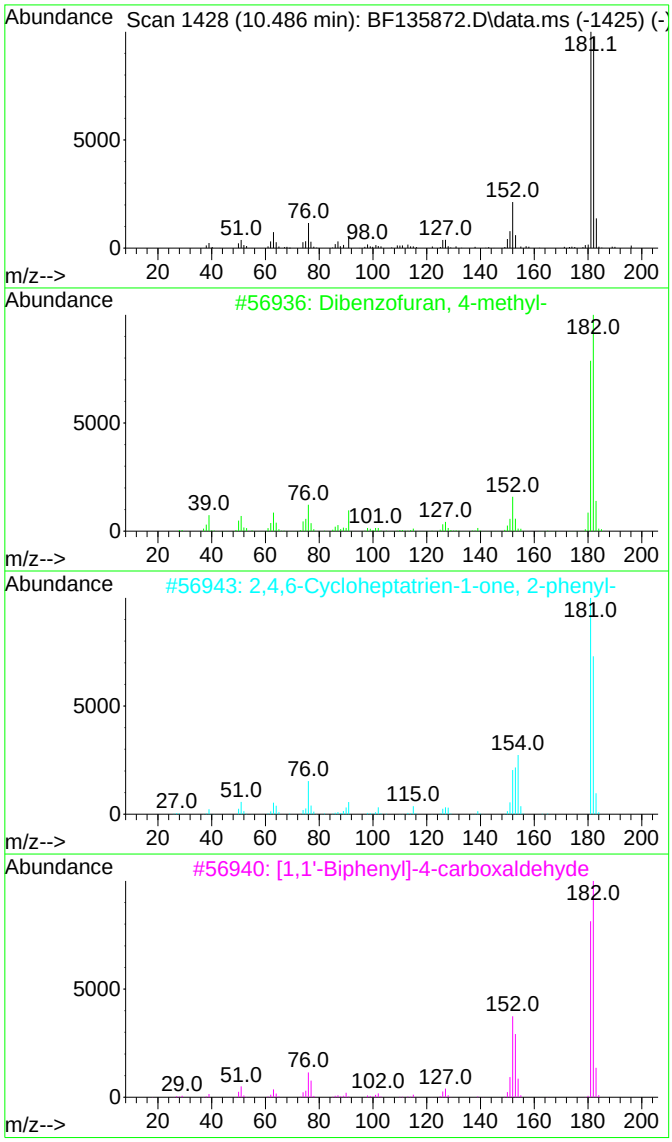
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

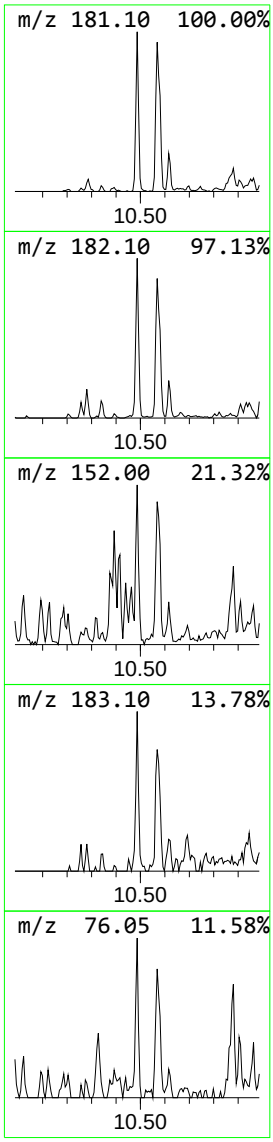
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.486	6.39 ng	149972	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
Q-4(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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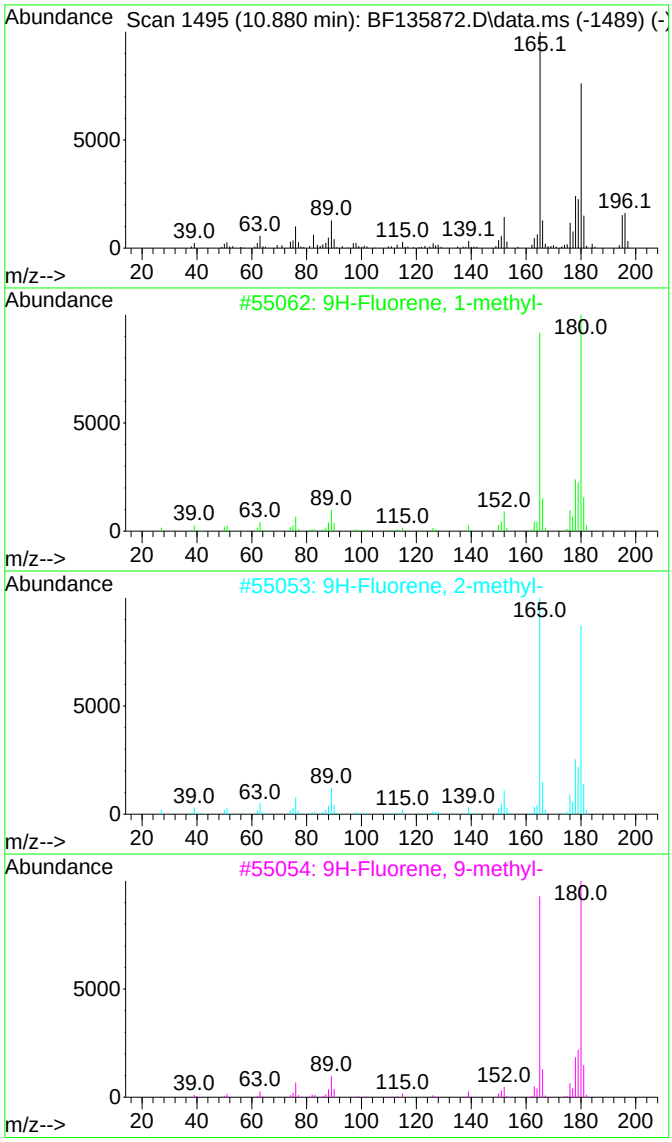
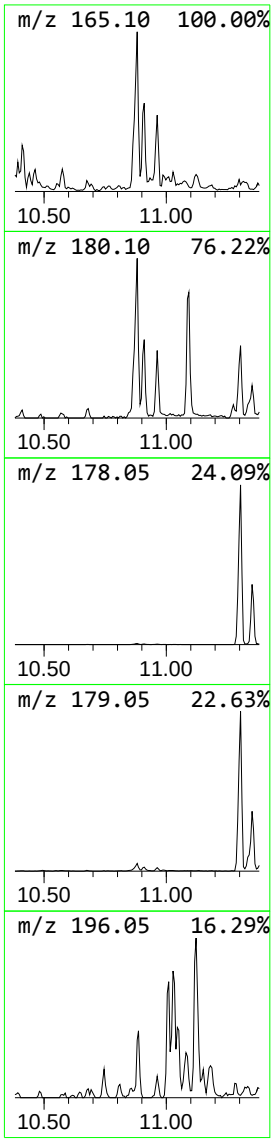
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.881	6.85 ng	170733	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





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Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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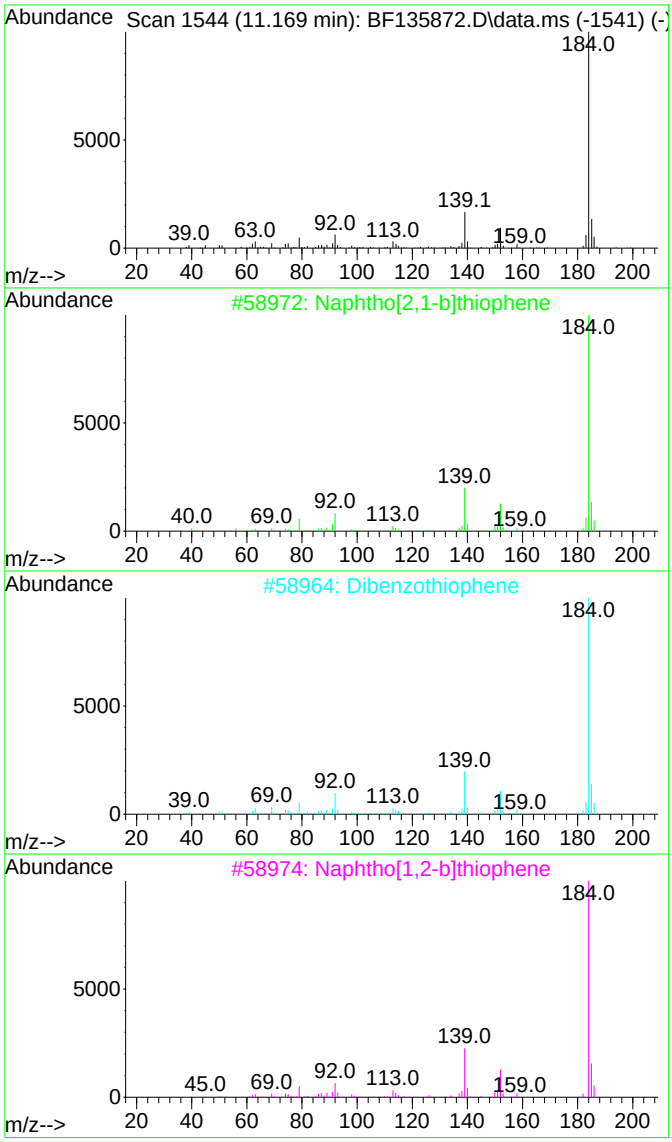
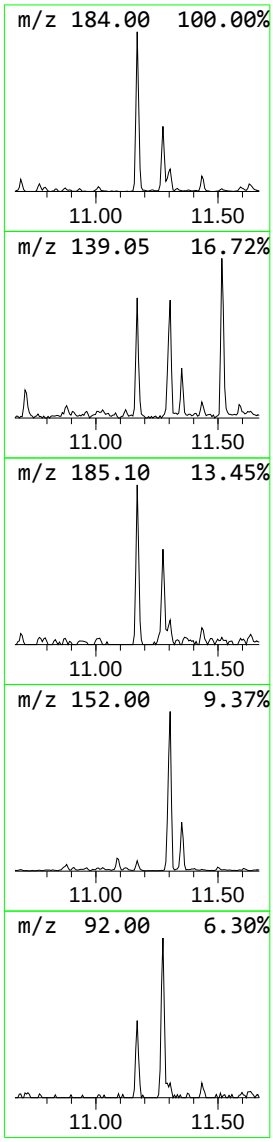
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	7.07 ng	176261	Phenanthrene-d10	11.275

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





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Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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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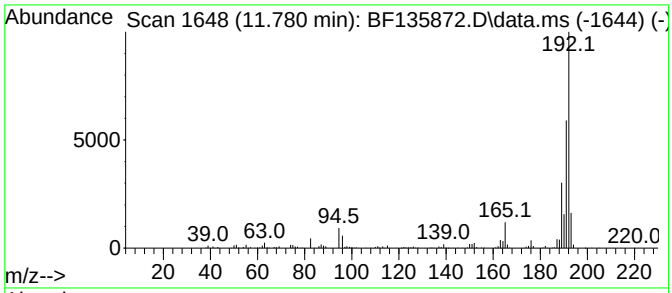
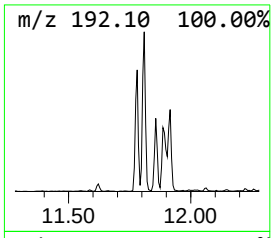
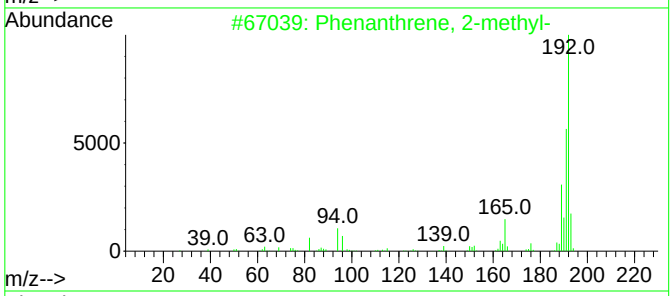
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

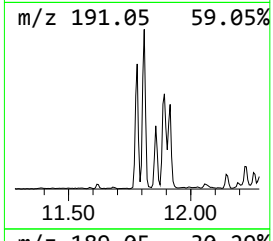
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	14.02 ng	349576	Phenanthrene-d10	11.275

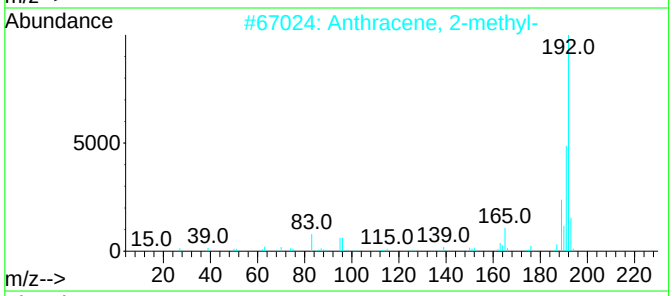
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93

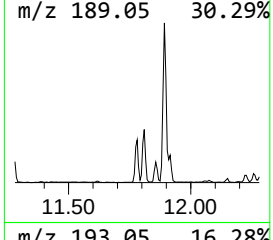


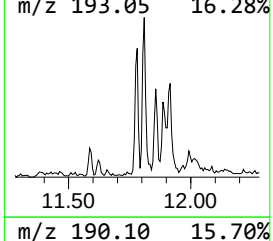


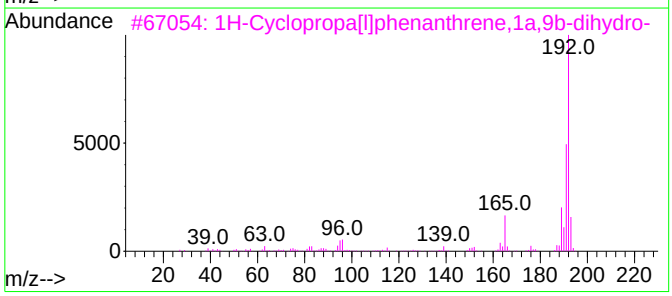


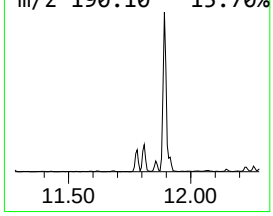












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Data File : BF135872.D
Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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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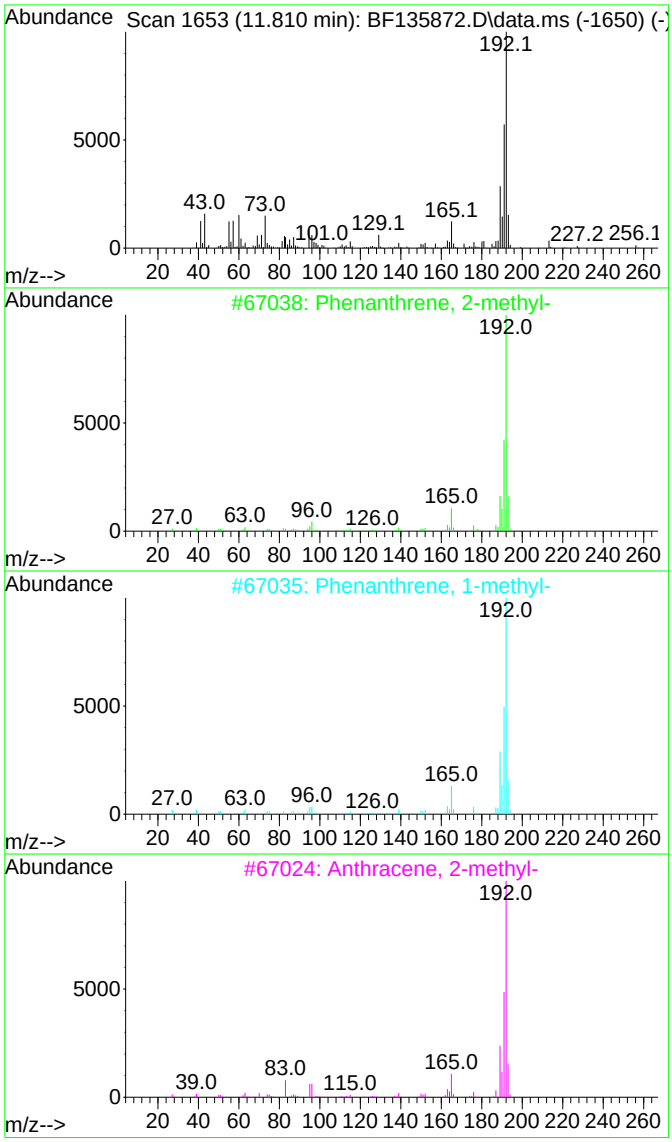
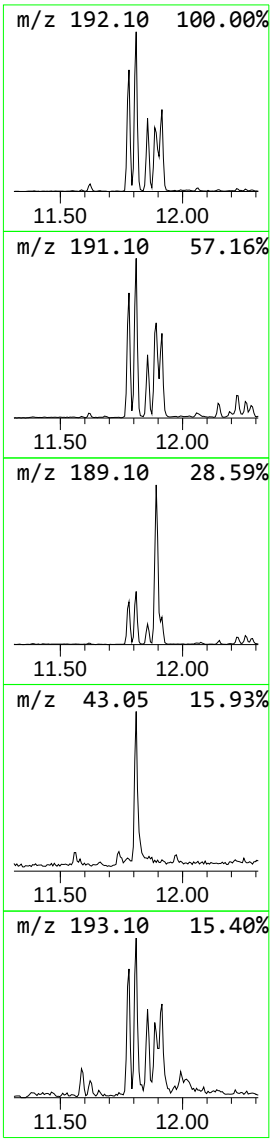
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	26.39 ng	658014	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
Q-4(0-5)

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 10 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	6.79 ng	169321	Phenanthrene-d10	11.275

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
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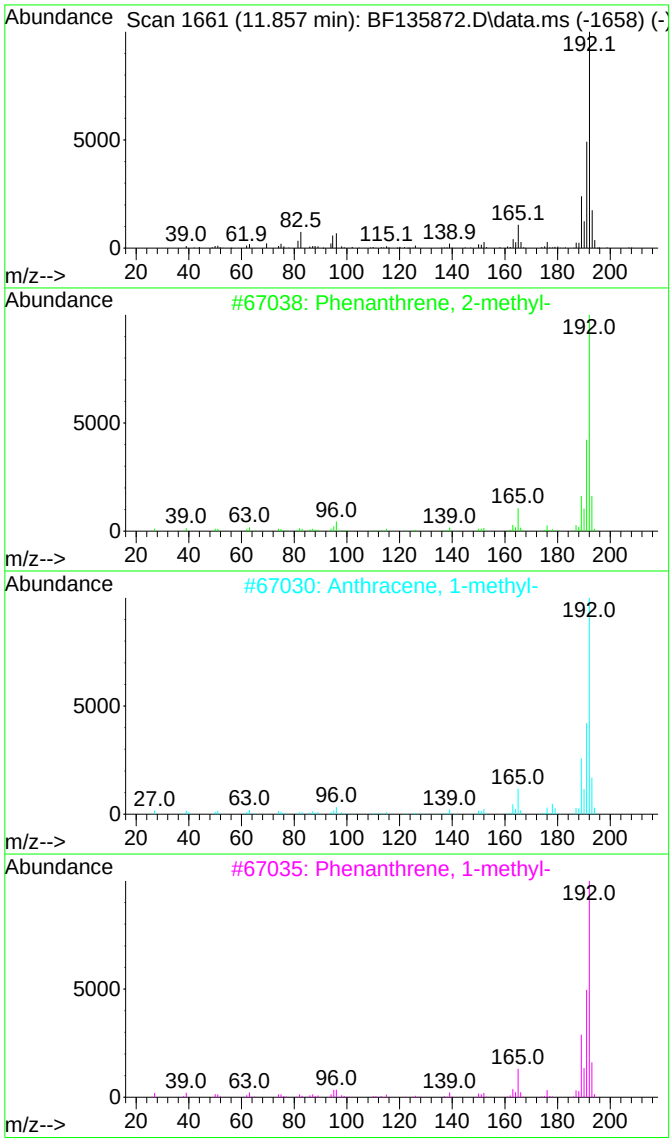

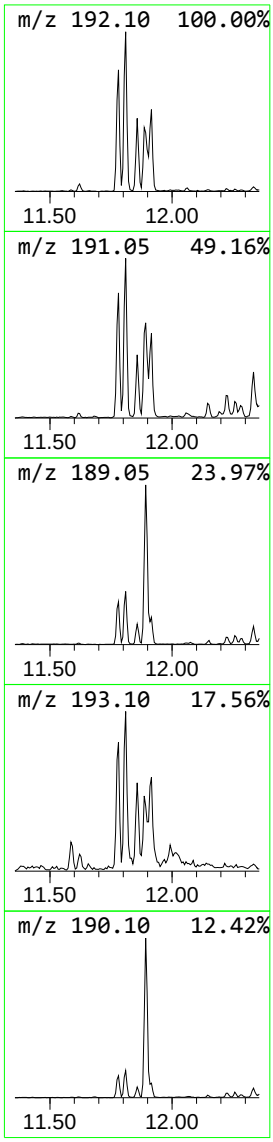

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Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
Q-4(0-5)

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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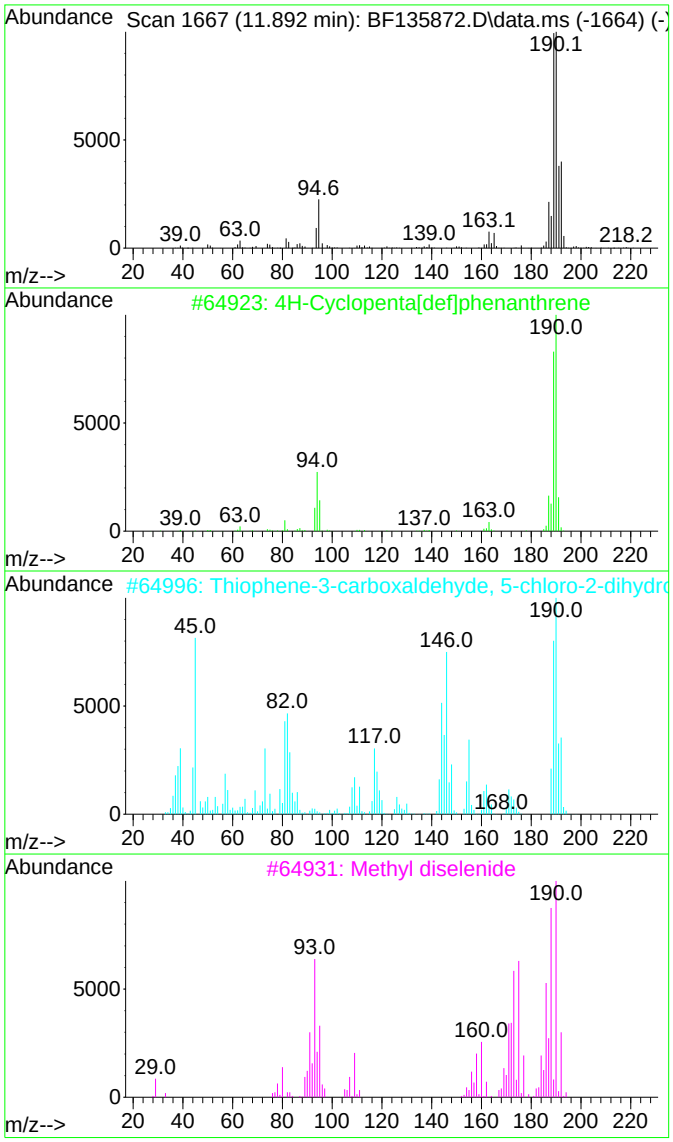
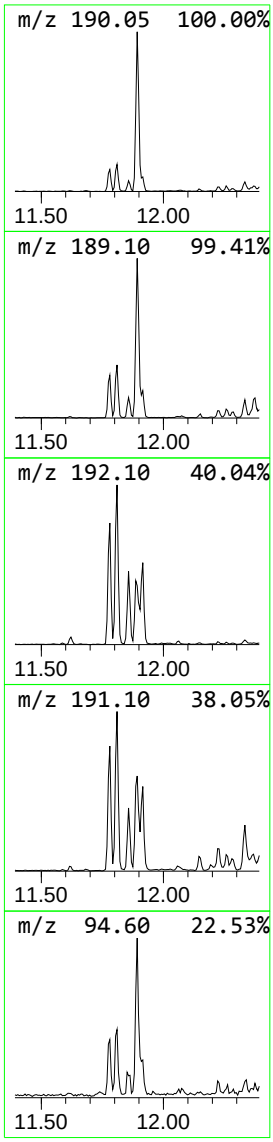
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	21.83 ng	544274	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Sample : 04767-06 2X
Misc :
ALS Vial : 18 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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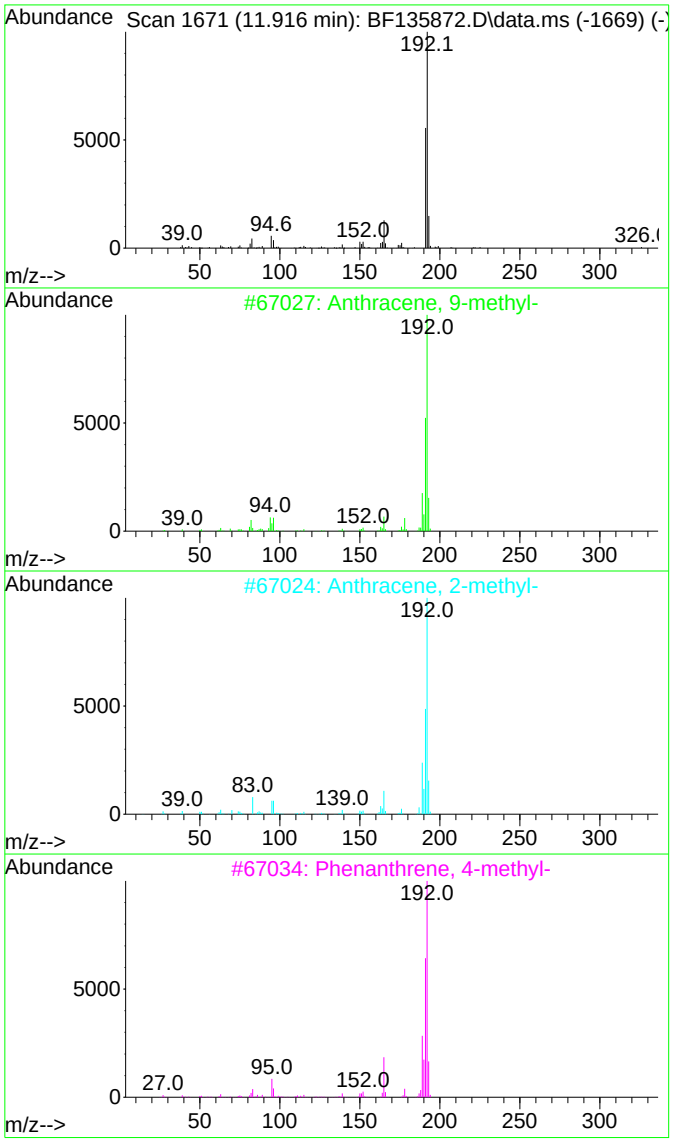
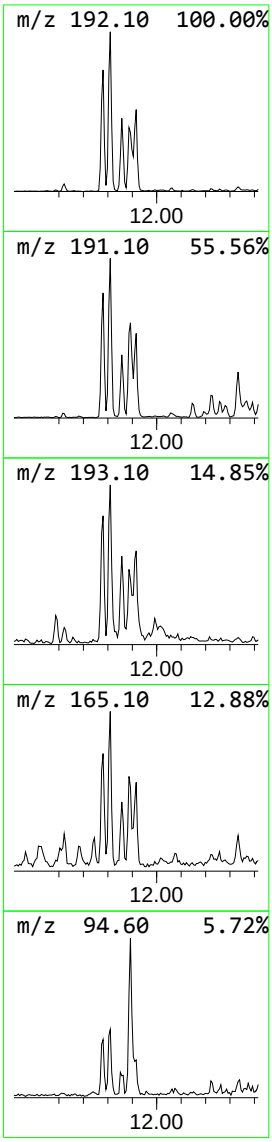
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	8.29 ng	206781	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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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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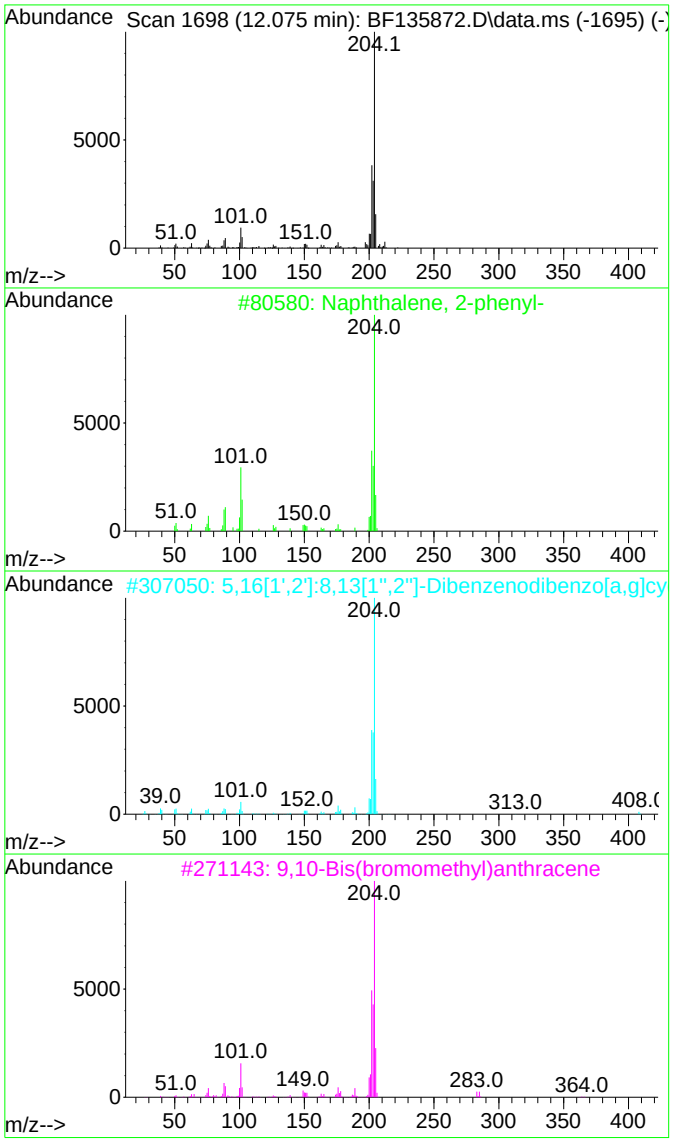
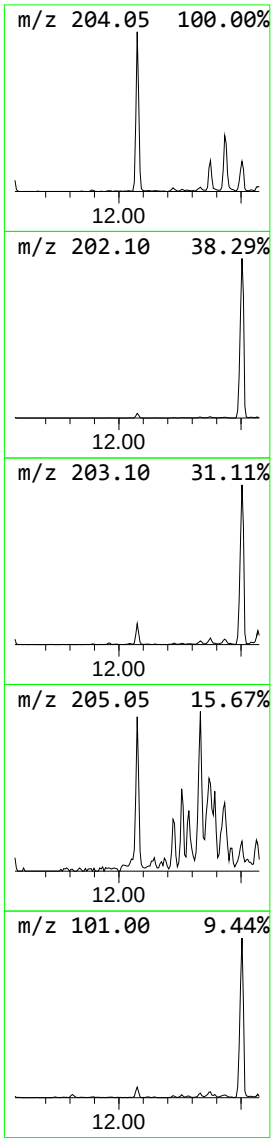
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	7.56 ng	188426	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	47





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

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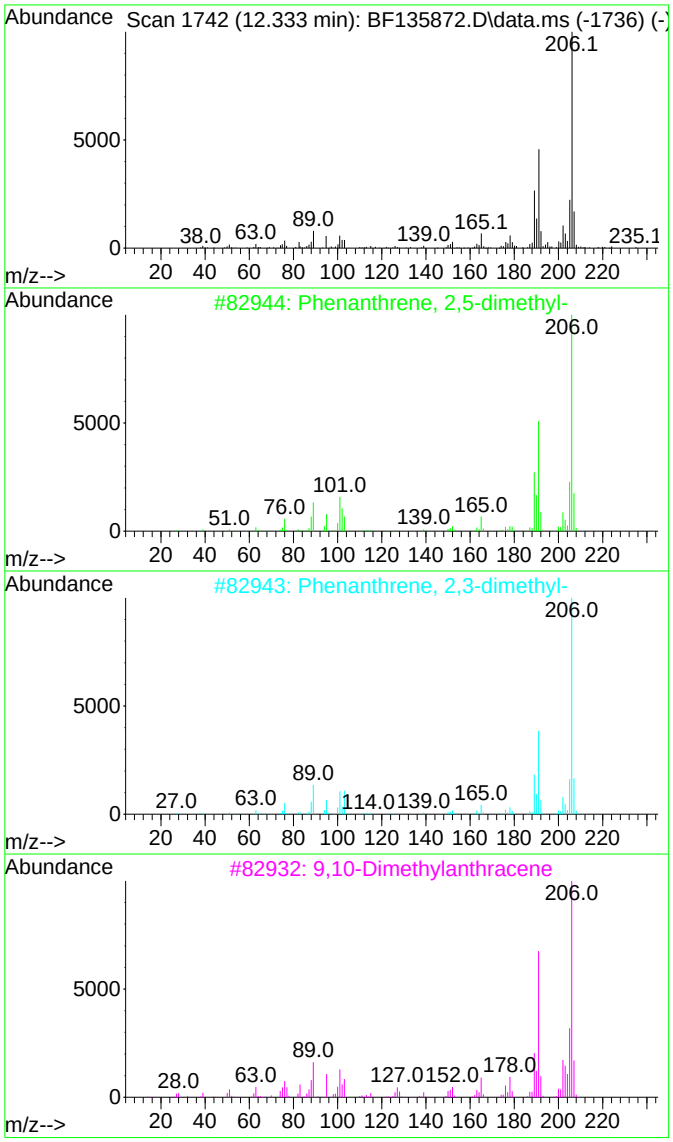
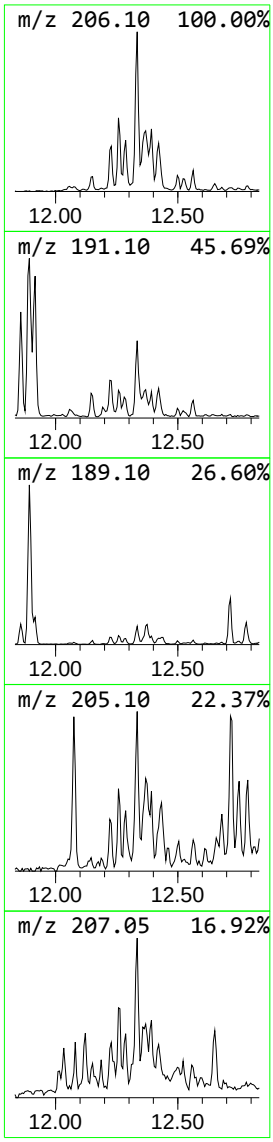
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	8.15 ng	203161	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	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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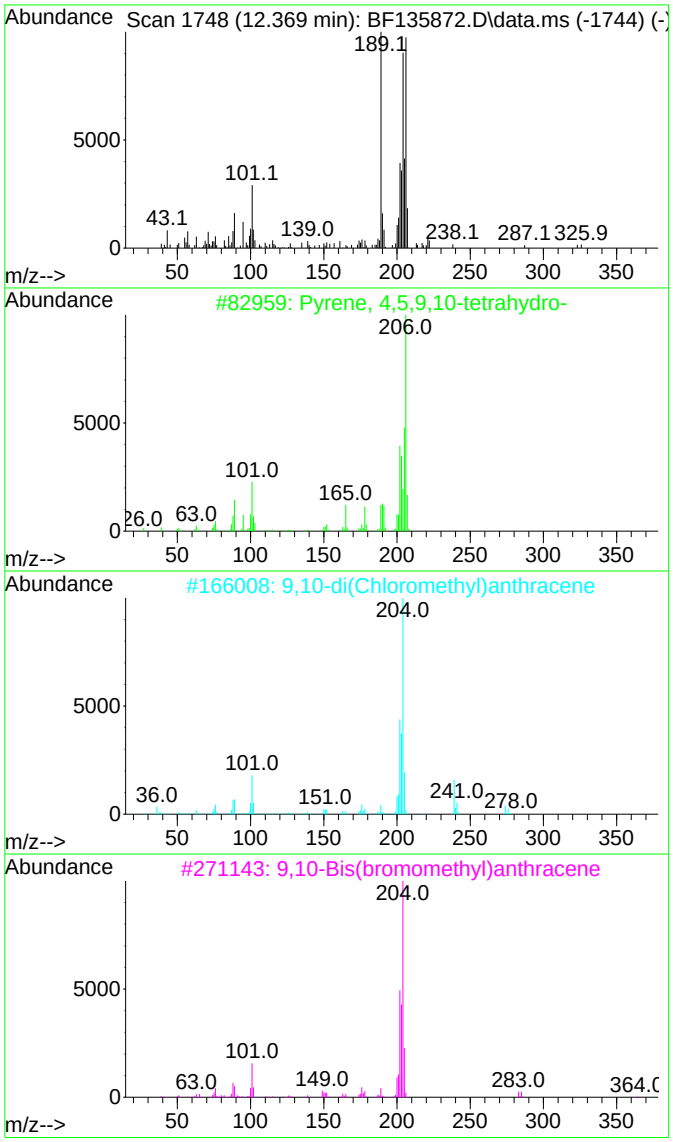
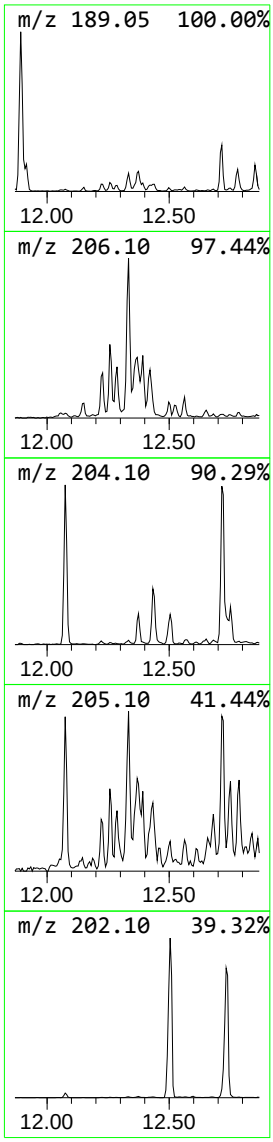
Peak Number 15 unknown12.369 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	6.48 ng	161474	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27





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Data File : BF135872.D
Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

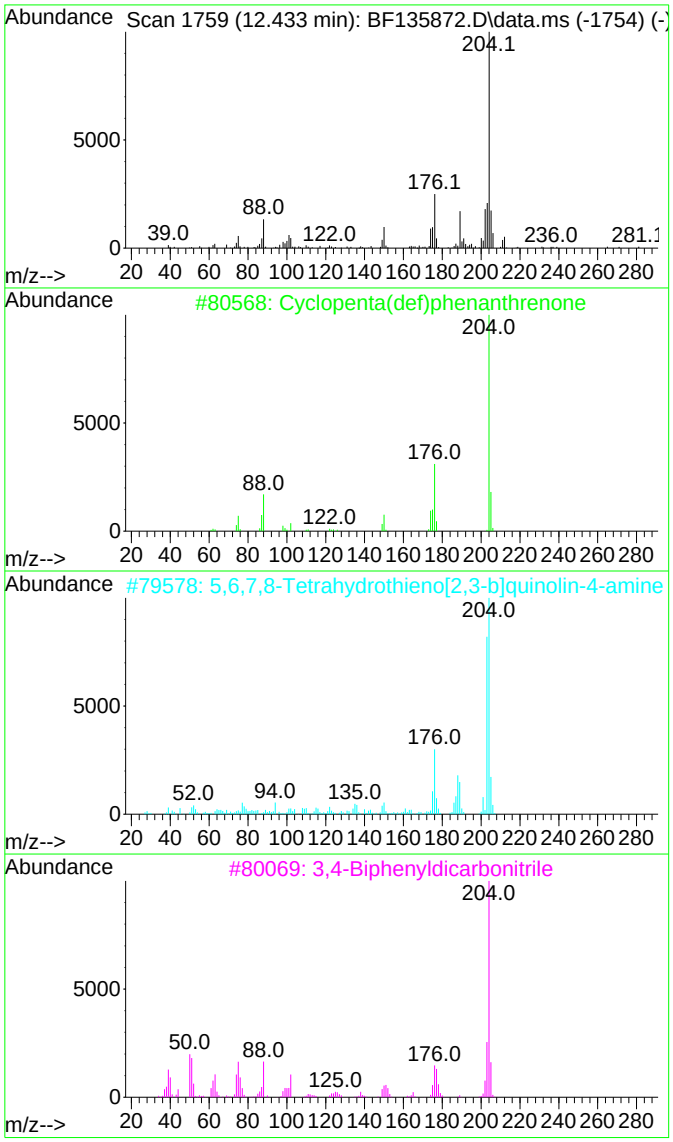
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

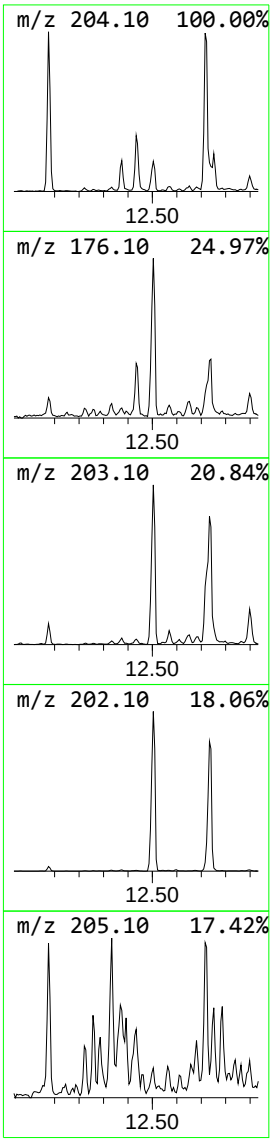
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	5.98 ng	148984	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	68
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52





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Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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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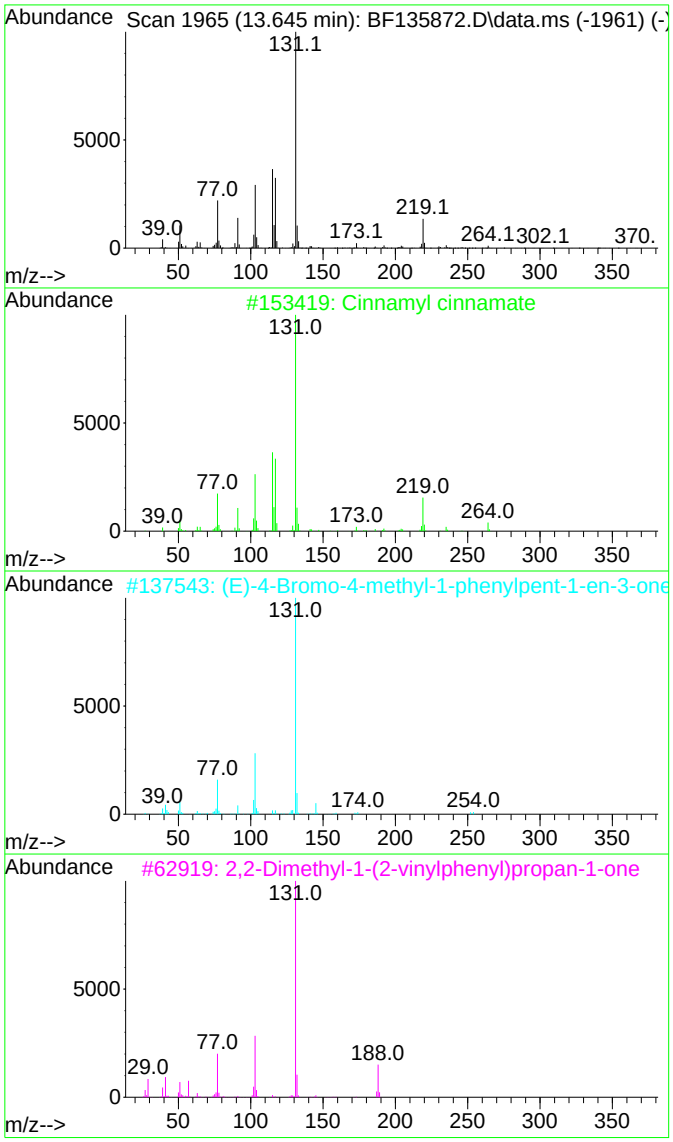
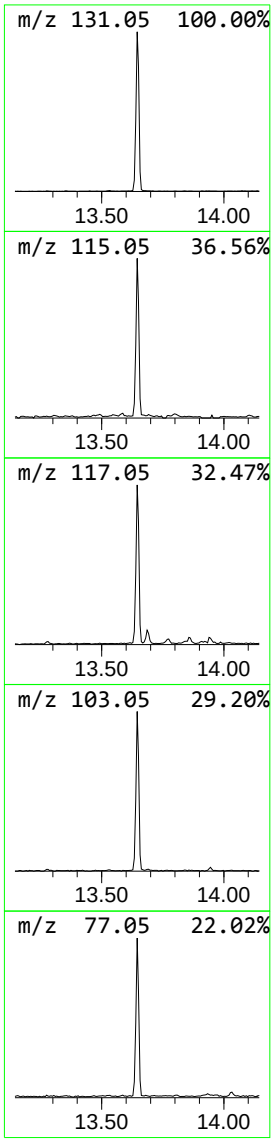
Peak Number 17 Cinnamyl cinnamate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.645	8.66 ng	802722	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	87
2	(E)-4-Bromo-4-methyl-1-phenylpen...	252	C12H13BrO	1000443-02-8	53
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	52
4	N-(4-Fluorophenyl)-3-phenyl-2-pr...	337	C17H11F4NO2	1000492-37-5	50
5	3-phenylprop-2-enoic anhydride	278	C18H14O3	1010401-87-5	50





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Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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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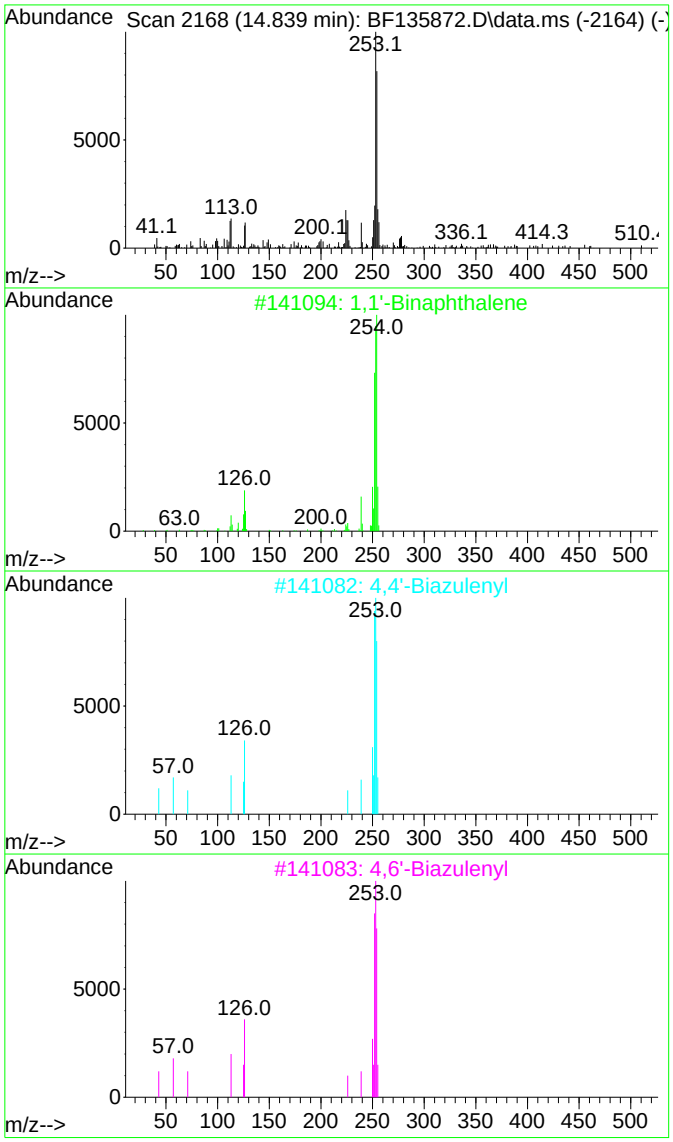
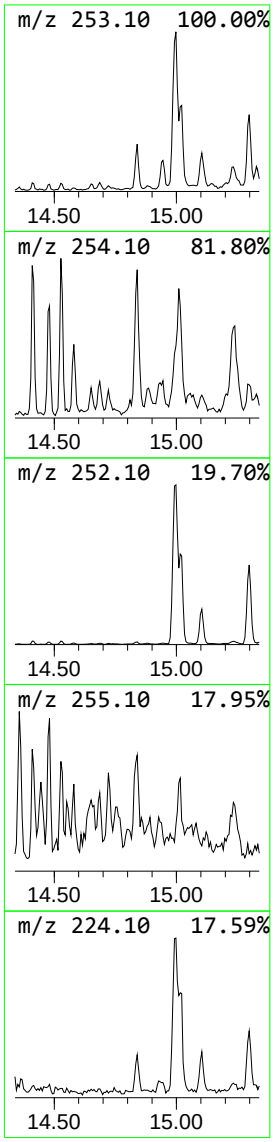
Peak Number 18 1,1'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.839	8.11 ng	113710	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
2	4,4'-Biazulenyl	254	C20H14	094053-54-0	74
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	72
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	72
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	72





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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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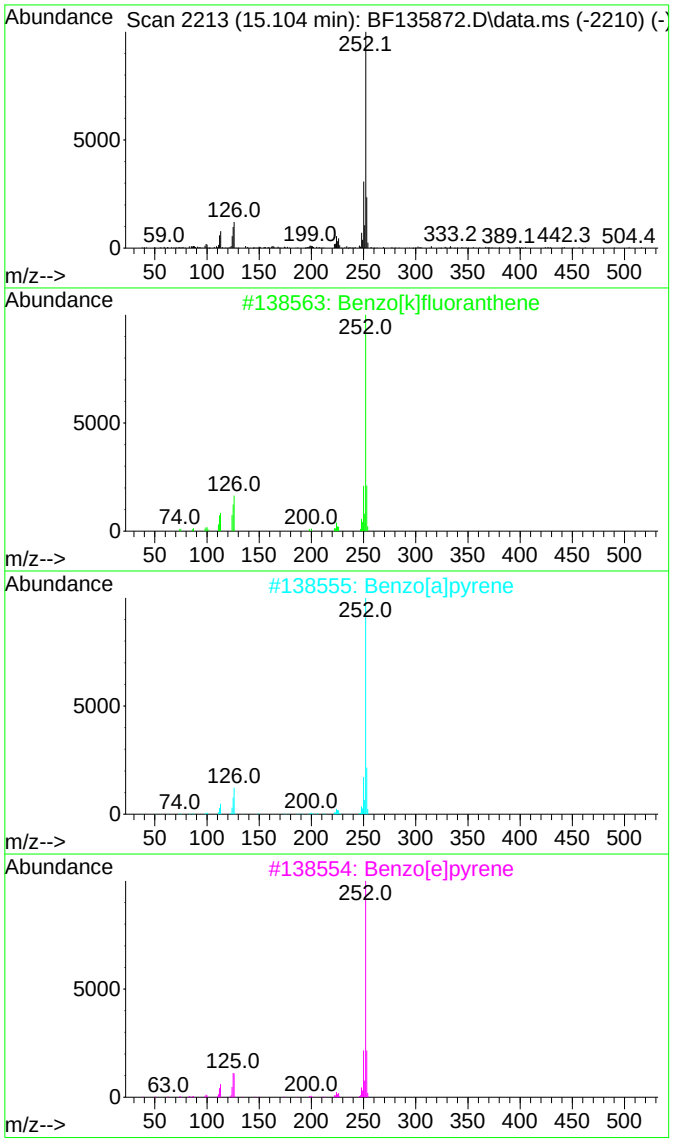
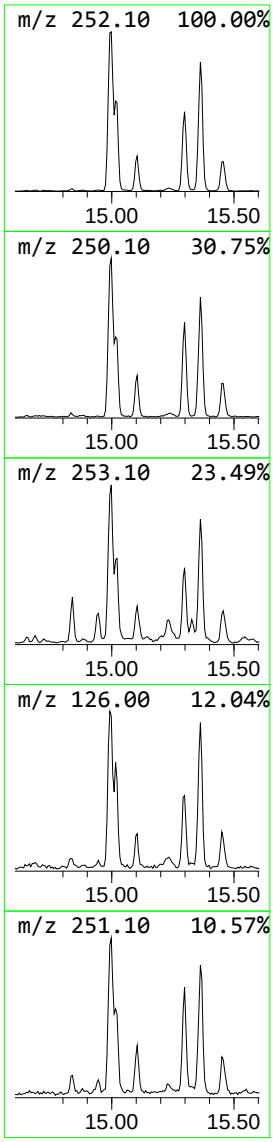
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	10.83 ng	151884	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[e]pyrene	252	C20H12	000192-97-2	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	90





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Data File : BF135872.D
Acq On : 19 Oct 2023 04:00
Operator : CG\JU
Sample : 04767-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

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

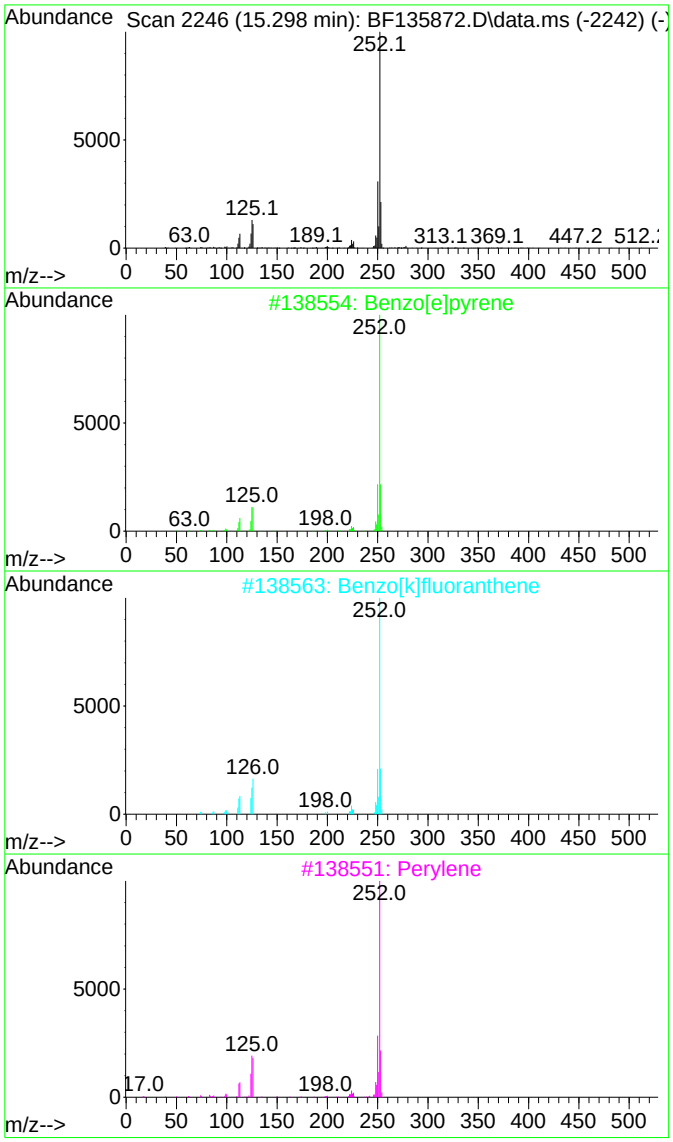
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

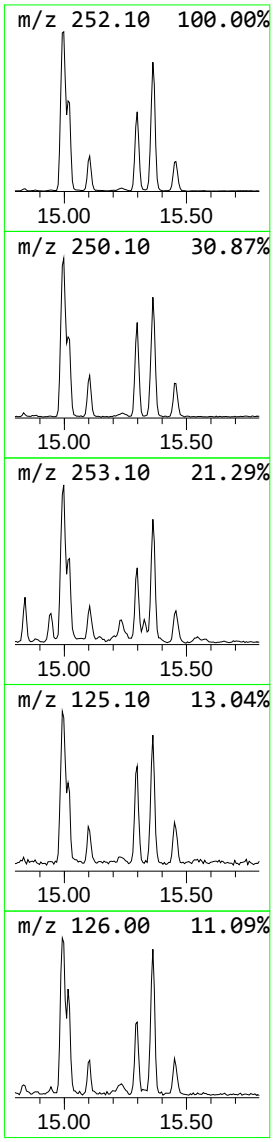
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	27.25 ng	382216	Perylene-d12	15.421

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	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135872.D
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Operator : CG\JU
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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,...	9.357	8.6	ng	200706	3	9.775	469043	20.0
Naphthalene, 1,...	9.434	10.9	ng	256645	3	9.775	469043	20.0
Naphthalene, 2,...	9.463	6.6	ng	155368	3	9.775	469043	20.0
Naphthalene, 1,...	9.892	6.1	ng	143170	3	9.775	469043	20.0
Dibenzofuran, 4...	10.486	6.4	ng	149972	3	9.775	469043	20.0
9H-Fluorene, 1-...	10.881	6.8	ng	170733	4	11.275	498630	20.0
Naphtho[2,1-b]t...	11.169	7.1	ng	176261	4	11.275	498630	20.0
Phenanthrene, 2...	11.780	14.0	ng	349576	4	11.275	498630	20.0
Phenanthrene, 1...	11.810	26.4	ng	658014	4	11.275	498630	20.0
Anthracene, 1-m...	11.857	6.8	ng	169321	4	11.275	498630	20.0
4H-Cyclopenta[d...	11.892	21.8	ng	544274	4	11.275	498630	20.0
Anthracene, 9-m...	11.916	8.3	ng	206781	4	11.275	498630	20.0
Naphthalene, 2-...	12.075	7.6	ng	188426	4	11.275	498630	20.0
Phenanthrene, 2...	12.333	8.2	ng	203161	4	11.275	498630	20.0
unknown12.369	12.369	6.5	ng	161474	4	11.275	498630	20.0
Cyclopenta(def)...	12.433	6.0	ng	148984	4	11.275	498630	20.0
Cinnamyl cinnamate	13.645	8.7	ng	802722	5	13.945	1853880	20.0
1,1'-Binaphthalene	14.839	8.1	ng	113710	6	15.421	280523	20.0
Benzo[e]pyrene	15.104	10.8	ng	151884	6	15.421	280523	20.0
Perylene	15.298	27.3	ng	382216	6	15.421	280523	20.0