LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-001

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133841.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	8	15	21	rVB	421203	562248	25.96%	2.095%
2	2.287	30	34	47	rVB2	29936	52128	2.41%	0.194%
3	3.981	318	322	326	rVB	21661	26634	1.23%	0.099%
4	4.534	411	416	423	rVB4	22242	38284	1.77%	0.143%
5	5.039	497	502	507	rVB	89410	88035	4.06%	0.328%
6	5.104	507	513	518	rBV	103233	138312	6.39%	0.515%
7	5.463	570	574	575	rBV	36910	33392	1.54%	0.124%
8	5.492	575	579	582	rVV	2275350	2084605	96.24%	7.769%
9	5.716	613	617	620	rBV3	56024	56775	2.62%	0.212%
10	5.775	624	627	634	rVB2	29804	29727	1.37%	0.111%
11	6.022	665	669	673	rBV	197323	160333	7.40%	0.598%
12	6.116	679	685	687	rBV4	16565	26151	1.21%	0.097%
13	6.492	744	749	760	rVB	2163734	2166053	100.00%	8.073%
14	6.686	779	782	788	rBV2	54785	73647	3.40%	0.274%
15	6.857	808	811	817	rVB	749313	599399	27.67%	2.234%
16	7.116	851	855	860	rVB2	21637	32900	1.52%	0.123%
17	7.257	874	879	882	rBV4	16573	26039	1.20%	0.097%
18	7.416	902	906	909	rBV	1480366	1387227	64.04%	5.170%
19	7.445	909	911	916	rVB2	34601	30368	1.40%	0.113%
20	7.516	916	923	926	rBV	112779	156245	7.21%	0.582%
21	7.710	953	956	961	rBV	66382	59355	2.74%	0.221%
22	7.822	972	975	978	rBV	42884	36680	1.69%	0.137%
23	8.133	1025	1028	1031	rBV	868124	670305	30.95%	2.498%
24	8.157	1031	1032	1035	rVB	97833	50264	2.32%	0.187%
25	8.192	1035	1038	1045	rVB2	38179	45240	2.09%	0.169%
26	8.351	1062	1065	1070	rVB	65768	58749	2.71%	0.219%
27	8.410	1072	1075	1082	rBV	83114	89765	4.14%	0.335%
28	8.551	1096	1099	1105	rBV	54178	61946	2.86%	0.231%
29	8.727	1126	1129	1133	rBV	46348	42463	1.96%	0.158%
30	8.845	1147	1149	1153	rVB2	97848	88594	4.09%	0.330%
31	8.910	1156	1160	1163	rVB2	35030	34480	1.59%	0.129%
32	8.945	1163	1166	1169	rBV	77612	63909	2.95%	0.238%
33	9.022	1174	1179	1181	rBV	20475	26032	1.20%	0.097%
34	9.127	1194	1197	1200	rBV	38496	37762	1.74%	0.141%
35	9.157	1200	1202	1205	rVB	32504	24899	1.15%	0.093%
36	9.210	1208	1211	1215	rVV	2473888	2157624	99.61%	8.041%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
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Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.292	1222	1225	1227	rBV	53487	44801	2.07%	0.167%
38	9.480	1253	1257	1260	rVB2	30522	35350	1.63%	0.132%
39	9.551	1266	1269	1271	rBV	64848	68789	3.18%	0.256%
40	9.574	1271	1273	1275	rVV	48831	40824	1.88%	0.152%
41	9.616	1275	1280	1282	rVV3	58925	77466	3.58%	0.289%
42	9.669	1286	1289	1293	rVB2	35259	38867	1.79%	0.145%
43	9.751	1300	1303	1307	rBV	94899	77088	3.56%	0.287%
44	9.822	1313	1315	1320	rVB	53312	39928	1.84%	0.149%
45	9.892	1320	1327	1330	rBV	838337	689780	31.85%	2.571%
46	9.922	1330	1332	1336	rVB2	54614	57015	2.63%	0.212%
47	9.998	1342	1345	1349	rVB4	24603	32189	1.49%	0.120%
48	10.051	1349	1354	1355	rBV4	21507	31392	1.45%	0.117%
49	10.098	1358	1362	1365	rVV	62239	68387	3.16%	0.255%
50	10.133	1365	1368	1373	rVB3	37300	36719	1.70%	0.137%
51	10.210	1377	1381	1383	rBV2	42422	41728	1.93%	0.156%
52	10.298	1393	1396	1398	rBV3	38753	47680	2.20%	0.178%
53	10.321	1398	1400	1403	rVB2	65991	54610	2.52%	0.204%
54	10.439	1417	1420	1422	rBV2	51358	50319	2.32%	0.188%
55	10.504	1427	1431	1433	rBV4	21043	28291	1.31%	0.105%
56	10.551	1437	1439	1444	rVB6	26464	31961	1.48%	0.119%
57	10.610	1444	1449	1451	rBV2	153950	150978	6.97%	0.563%
58	10.686	1457	1462	1465	rBV	1296688	1244914	57.47%	4.640%
59	10.810	1478	1483	1489	rBV3	102332	144913	6.69%	0.540%
60	10.886	1493	1496	1498	rBV4	22671	24842	1.15%	0.093%
61	10.992	1509	1514	1517	rBV5	35078	58079	2.68%	0.216%
62	11.186	1545	1547	1551	rBV2	49559	52277	2.41%	0.195%
63	11.251	1551	1558	1561	rBV2	73366	103433	4.78%	0.385%
64	11.280	1561	1563	1569	rVB	75356	70308	3.25%	0.262%
65	11.386	1577	1581	1583	rBV	671123	593728	27.41%	2.213%
66	11.410	1583	1585	1588	rVV	616180	463150	21.38%	1.726%
67	11.463	1591	1594	1597	rVV	112871	101170	4.67%	0.377%
68	11.492	1597	1599	1602	rVV2	43863	44637	2.06%	0.166%
69	11.616	1618	1620	1623	rBV	50699	60799	2.81%	0.227%
70	11.680	1628	1631	1633	rVV	78499	60926	2.81%	0.227%
71	11.716	1635	1637	1640	rVV	57541	50298	2.32%	0.187%
72	11.804	1649	1652	1655	rBV2	28900	30933	1.43%	0.115%
73	11.845	1656	1659	1661	rVV3	36456	42827	1.98%	0.160%
74	11.892	1664	1667	1669	rVV	155316	165500	7.64%	0.617%
75	11.916	1669	1671	1676	rVV	452504	420175	19.40%	1.566%
76	11.963	1677	1679	1682	rVV	65885	85689	3.96%	0.319%

LSC Area Percent Report

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Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.998	1682	1685	1688	rVV2	237545	270533	12.49%	1.008%
78	12.021	1688	1689	1693	rVB	116757	98109	4.53%	0.366%
79	12.092	1699	1701	1704	rVB2	59889	43925	2.03%	0.164%
80	12.186	1715	1717	1719	rBV	101591	78284	3.61%	0.292%
81	12.215	1719	1722	1725	rVB3	77479	82602	3.81%	0.308%
82	12.368	1746	1748	1750	rBV	70985	57739	2.67%	0.215%
83	12.445	1758	1761	1764	rBV	196700	216911	10.01%	0.808%
84	12.480	1764	1767	1769	rVV2	131918	138963	6.42%	0.518%
85	12.527	1773	1775	1779	rBV3	102853	115277	5.32%	0.430%
86	12.610	1785	1789	1792	rBV	883647	792074	36.57%	2.952%
87	12.710	1803	1806	1809	rBV4	84262	106738	4.93%	0.398%
88	12.839	1822	1828	1830	rBV	994690	1013178	46.78%	3.776%
89	12.986	1849	1853	1859	rVB	1628364	1620499	74.81%	6.039%
90	13.274	1899	1902	1905	rBV2	151732	165875	7.66%	0.618%
91	13.362	1914	1917	1920	rBV2	188584	185132	8.55%	0.690%
92	13.845	1997	1999	2001	rBV	129260	115415	5.33%	0.430%
93	14.045	2028	2033	2036	rBV2	822756	1212578	55.98%	4.519%
94	14.074	2036	2038	2040	rVB	527020	400606	18.49%	1.493%
95	15.115	2211	2215	2218	rBV	554534	870138	40.17%	3.243%
96	15.433	2266	2269	2274	rVB	319164	407949	18.83%	1.520%
97	15.498	2276	2280	2287	rVB	441427	605296	27.94%	2.256%
98	15.562	2287	2291	2294	rBV	412054	539040	24.89%	2.009%
99	17.109	2550	2554	2564	rVB2	200798	411646	19.00%	1.534%
100	17.580	2630	2634	2646	rVB2	188424	404561	18.68%	1.508%

Sum of corrected areas: 26832397

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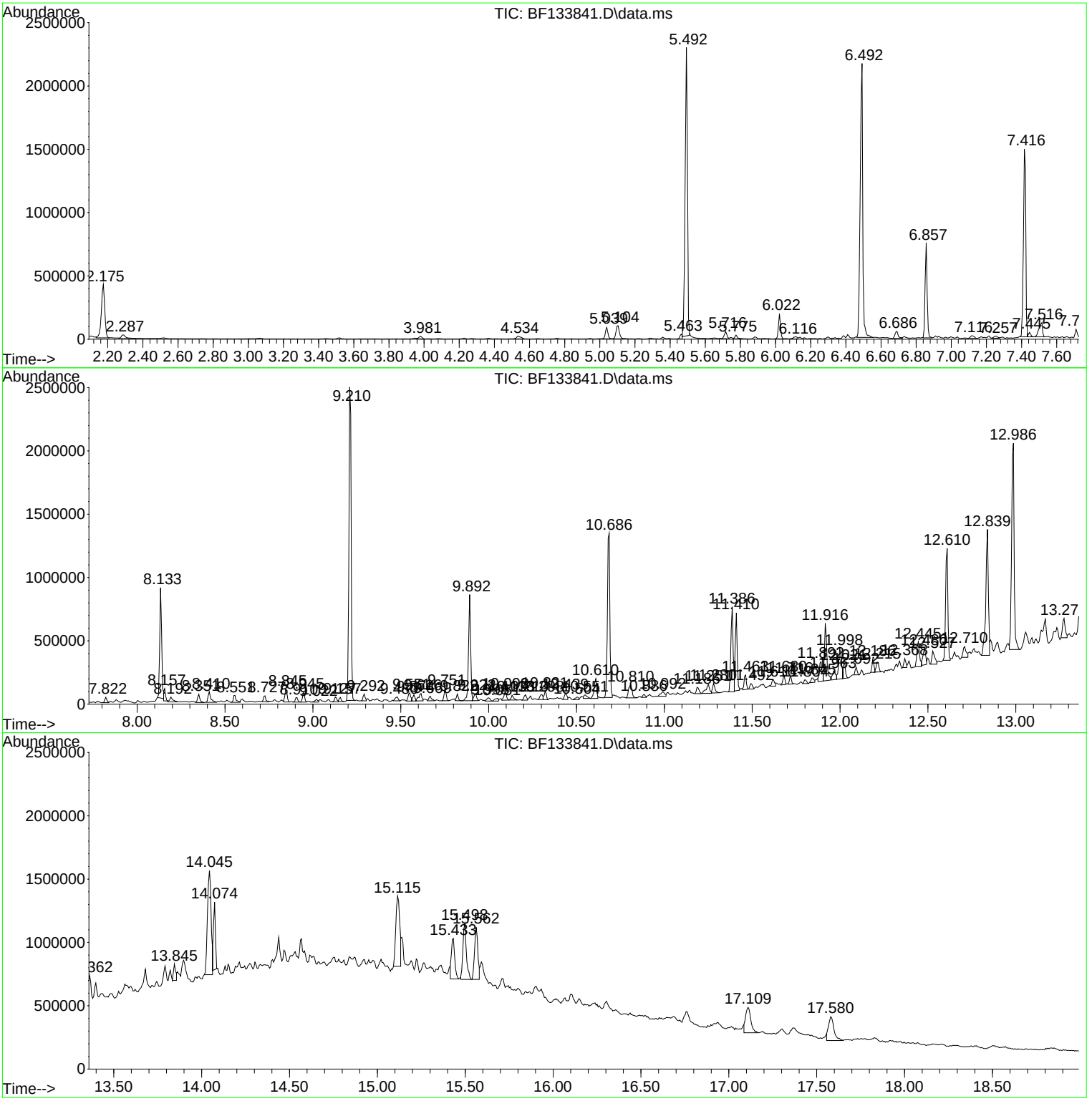
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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\BF061923\
Data File : BF133841.D
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Instrument :
BNA_F
ClientSampleId :
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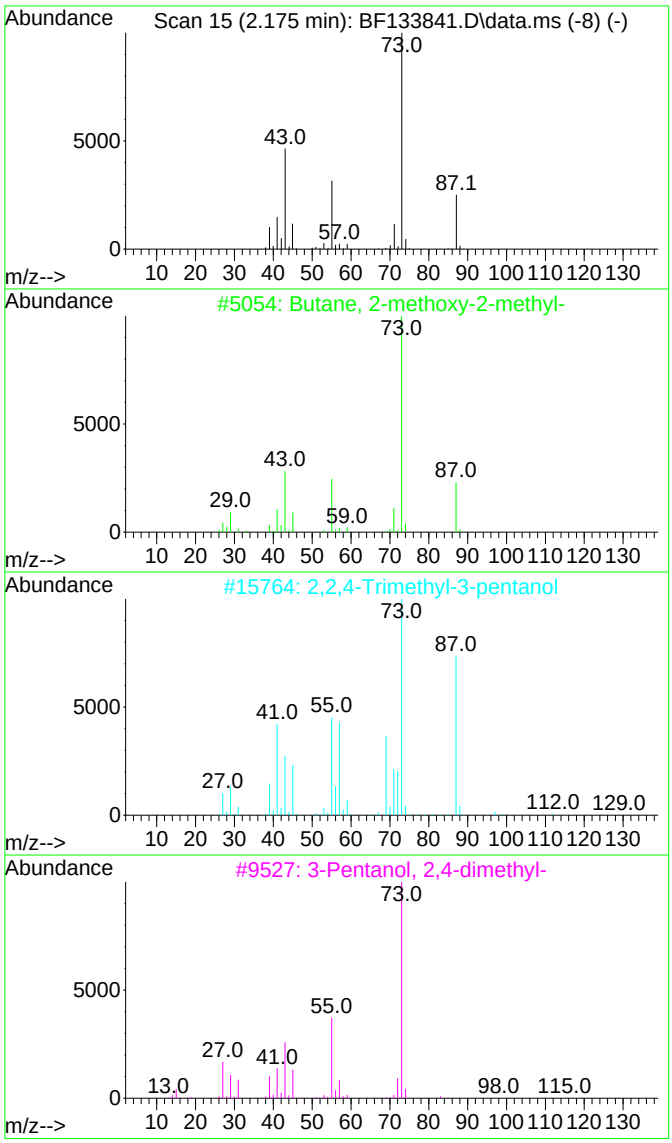
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

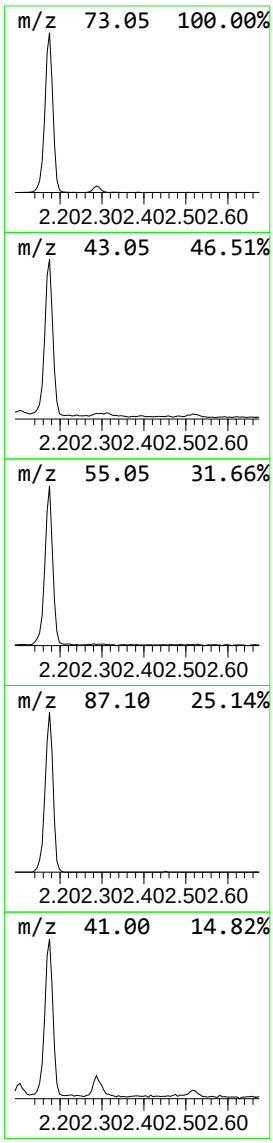
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	18.76 ng	562248	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

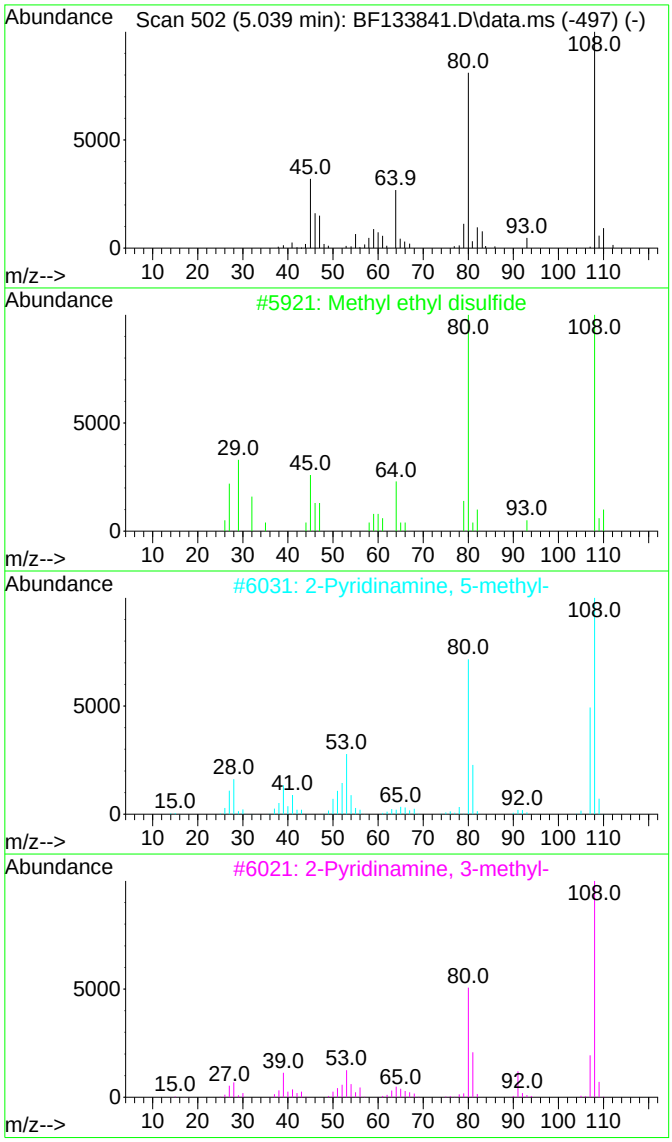
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

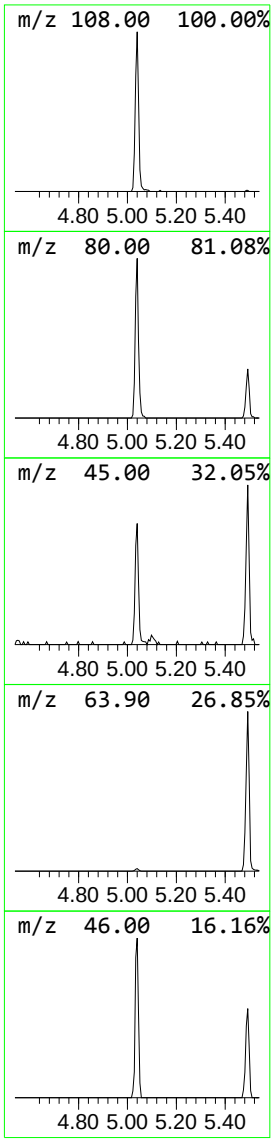
****

Peak Number 2 Methyl ethyl disulfide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.039	2.94 ng	88035	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	91
2	2-Pyridinamine, 5-methyl-	108	C6H8N2	001603-41-4	72
3	2-Pyridinamine, 3-methyl-	108	C6H8N2	001603-40-3	56
4	1,3-Phenylenediamine	108	C6H8N2	000108-45-2	56
5	1,2-Benzenediamine	108	C6H8N2	000095-54-5	50





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BNA_F
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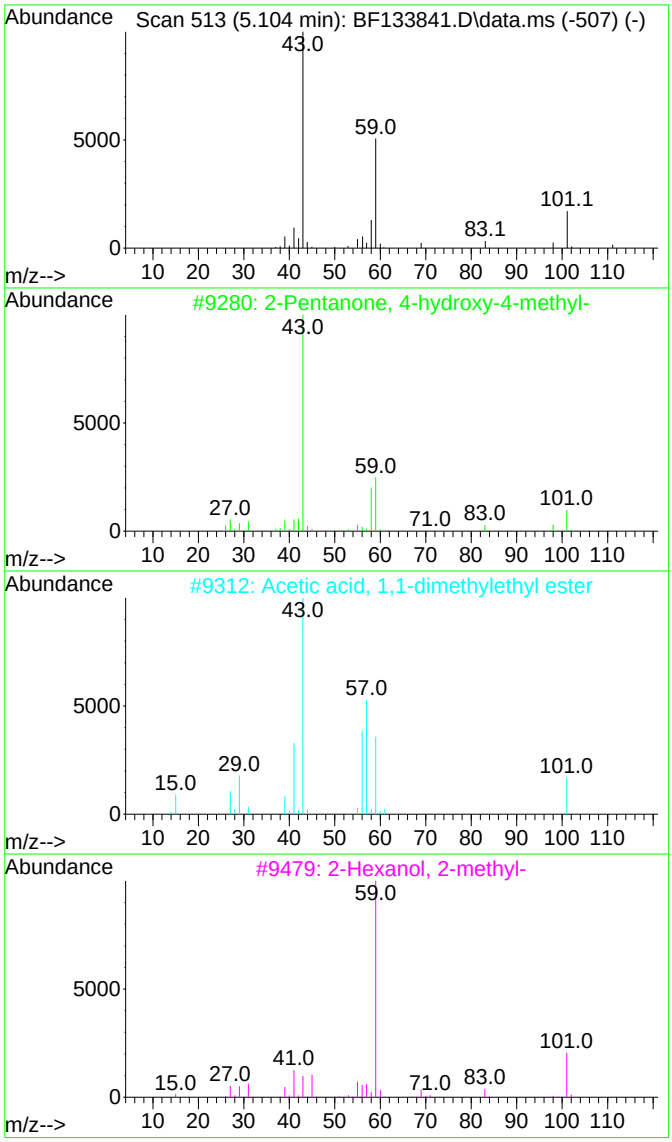
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

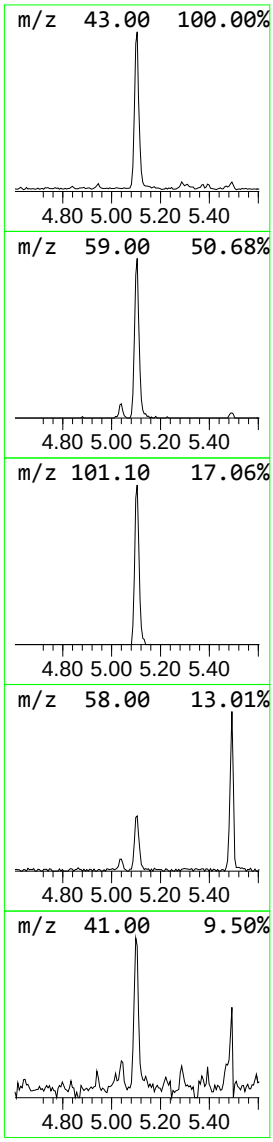
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	4.62 ng	138312	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	37
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9





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Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

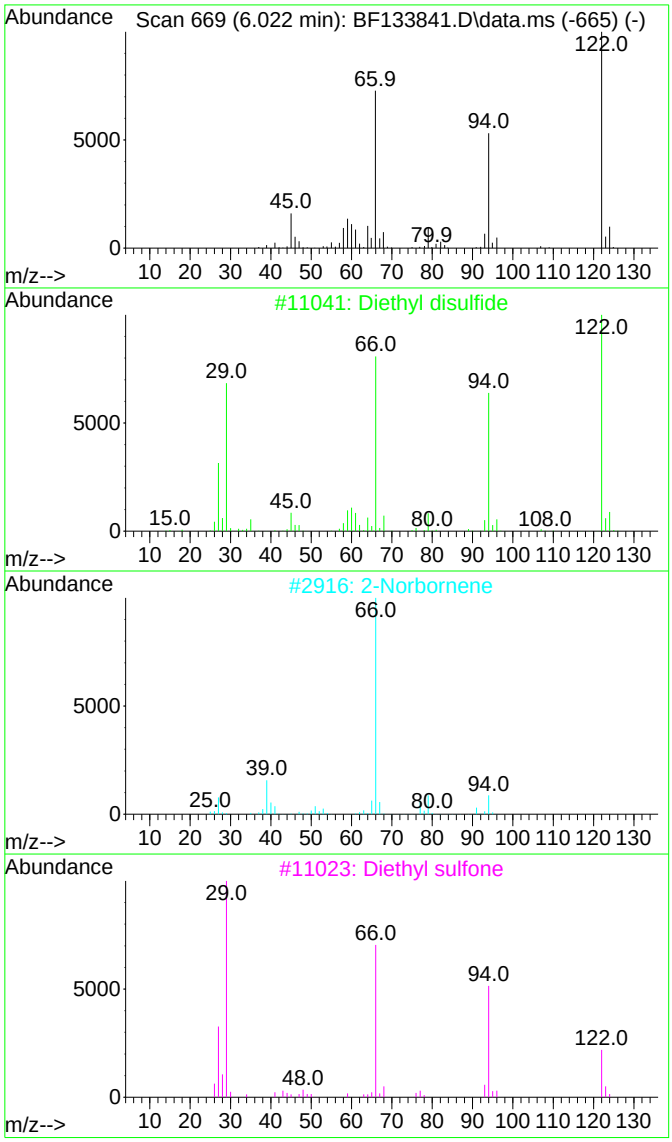
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

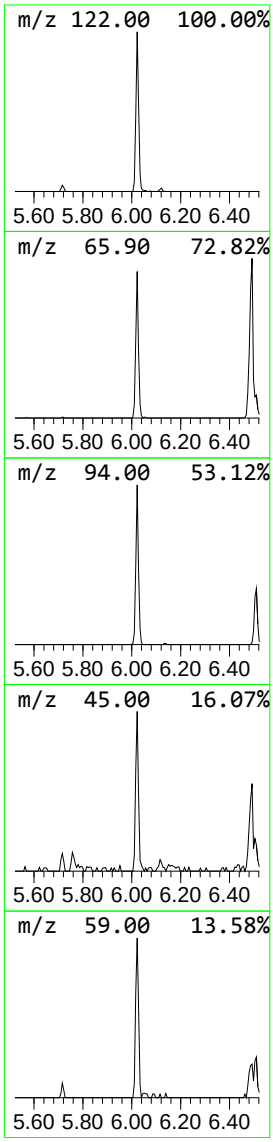
****

Peak Number 4 Diethyl disulfide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.022	5.35 ng	160333	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	97
2	2-Norbornene	94	C7H10	000498-66-8	38
3	Diethyl sulfone	122	C4H10O2S	000597-35-3	36
4	5-exo-Methyl-5-norbornenol	124	C8H12O	003212-13-3	32
5	Bicyclo[2.2.1]hept-2-en-5-one	108	C7H8O	000694-98-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

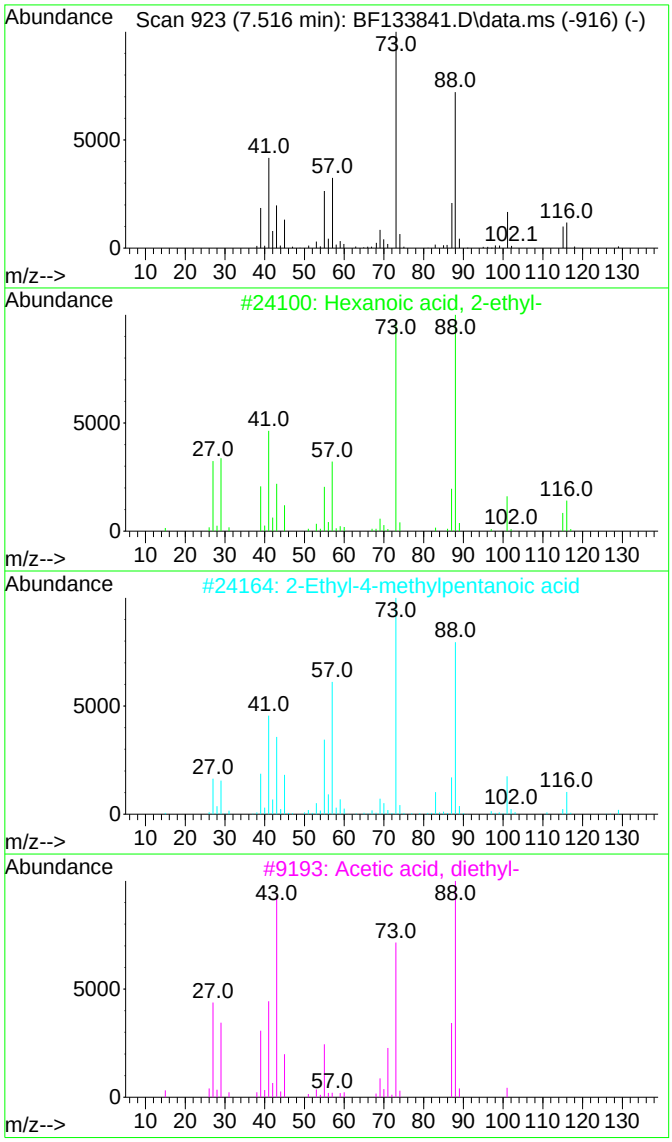
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

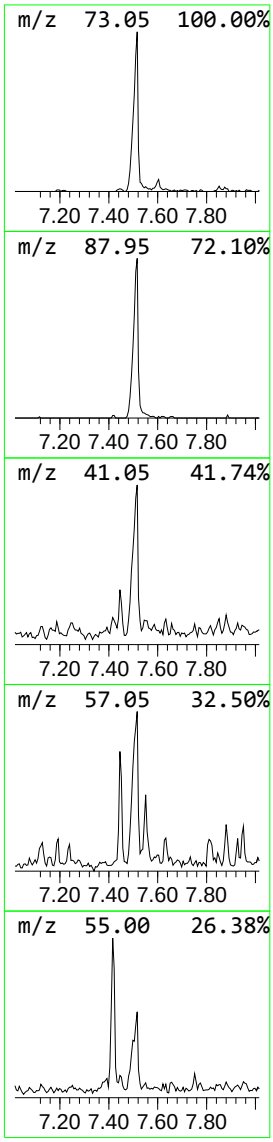
****

Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.516	4.66 ng	156245	Naphthalene-d8	8.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	50
3	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	40
4	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	40
5	Cyclohexaneacetic acid, .alpha.-...	170	C10H18O2	006051-00-9	32





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Operator : CG\JU
Sample : 03164-01
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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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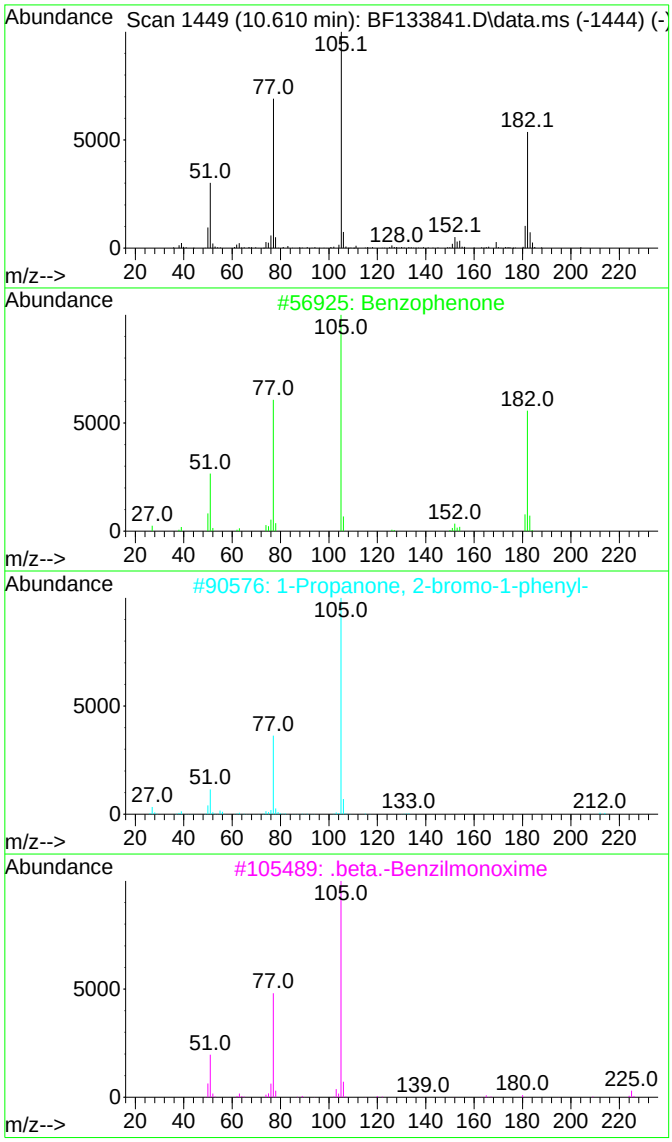
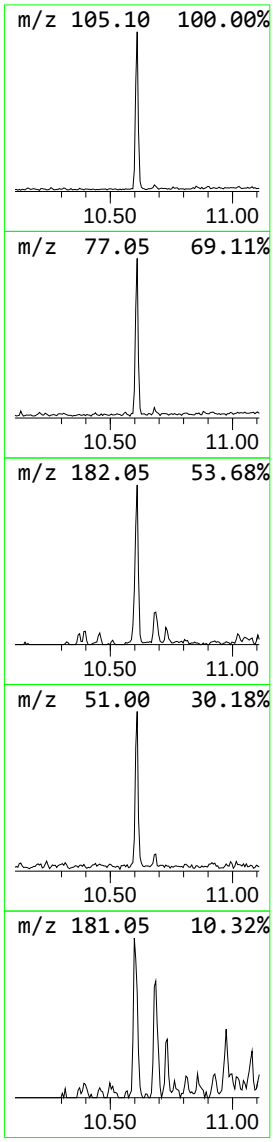
Peak Number 6 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	4.38 ng	150978	Acenaphthene-d10	9.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
3	.beta.-Benzilmonoxime	225	C14H11NO2	014090-77-8	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	4,5-Diphenyloxazolin-2(3H)-one	237	C15H11NO2	005014-83-5	47





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

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

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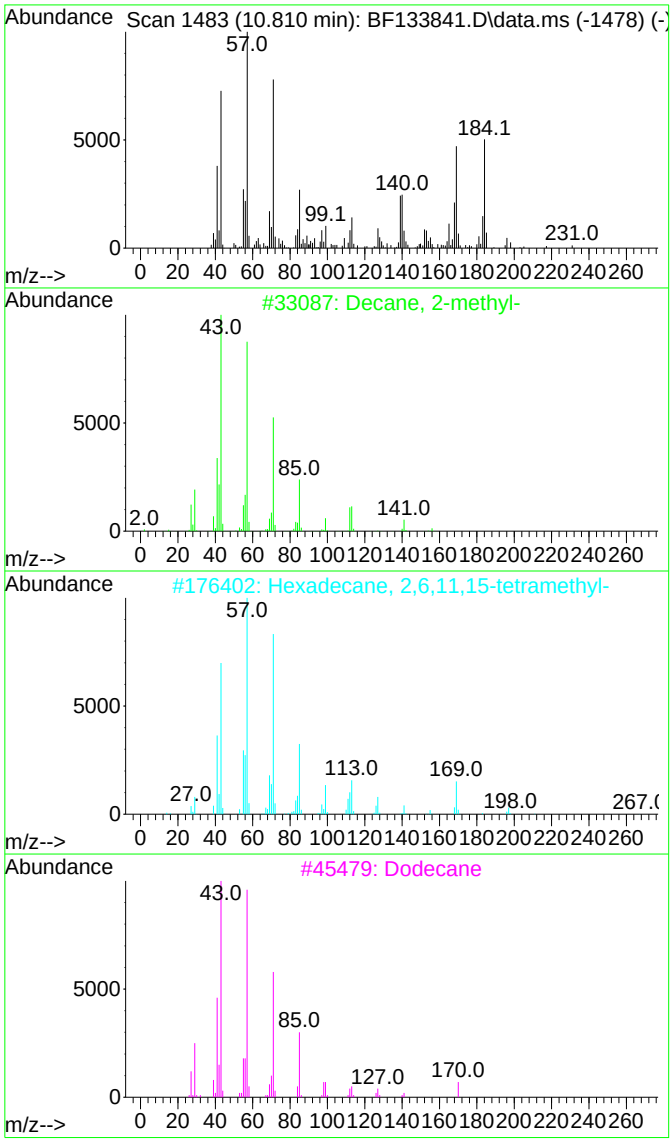
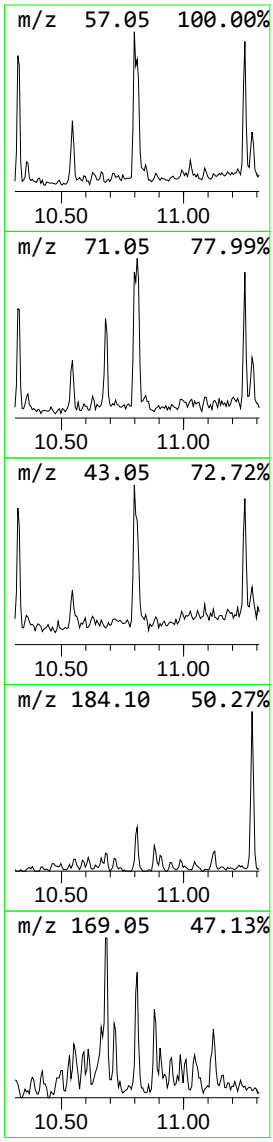
Peak Number 7 unknown10.810 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	4.88 ng	144913	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	42
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
3	Dodecane	170	C12H26	000112-40-3	30
4	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	30
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	30





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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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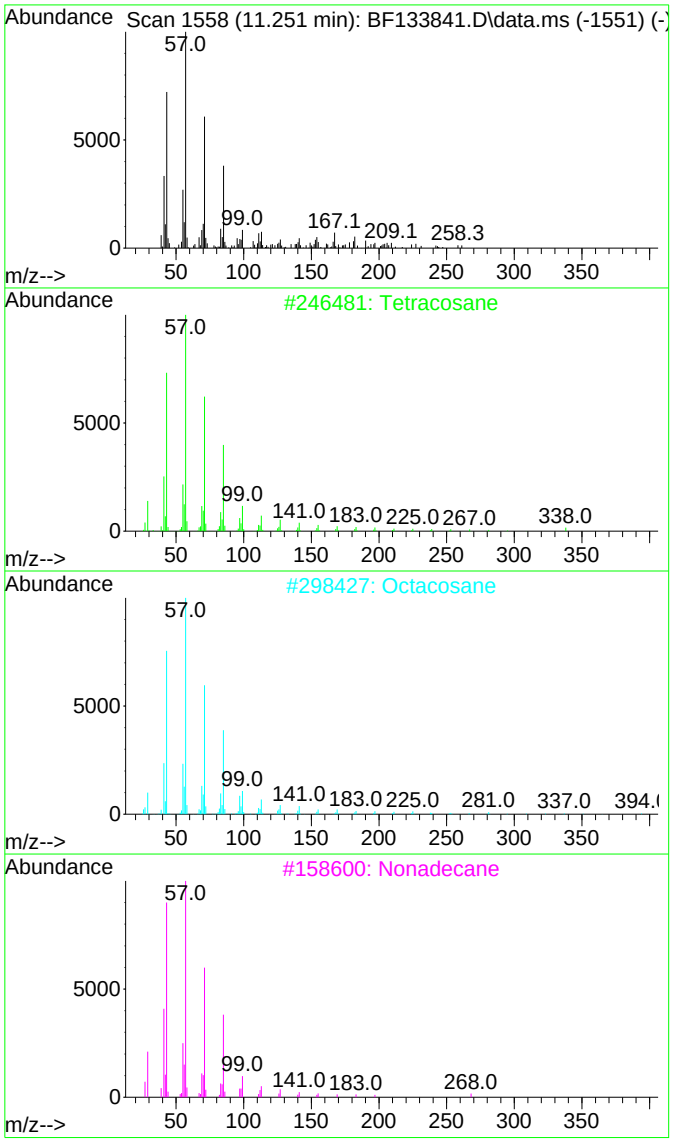
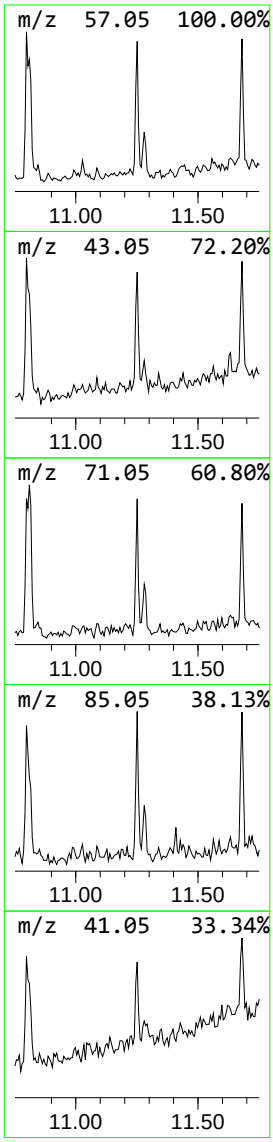
Peak Number 8 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	3.48 ng	103433	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	74
2	Octacosane	394	C28H58	000630-02-4	74
3	Nonadecane	268	C19H40	000629-92-5	74
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	74
5	Heptadecane	240	C17H36	000629-78-7	72





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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-001

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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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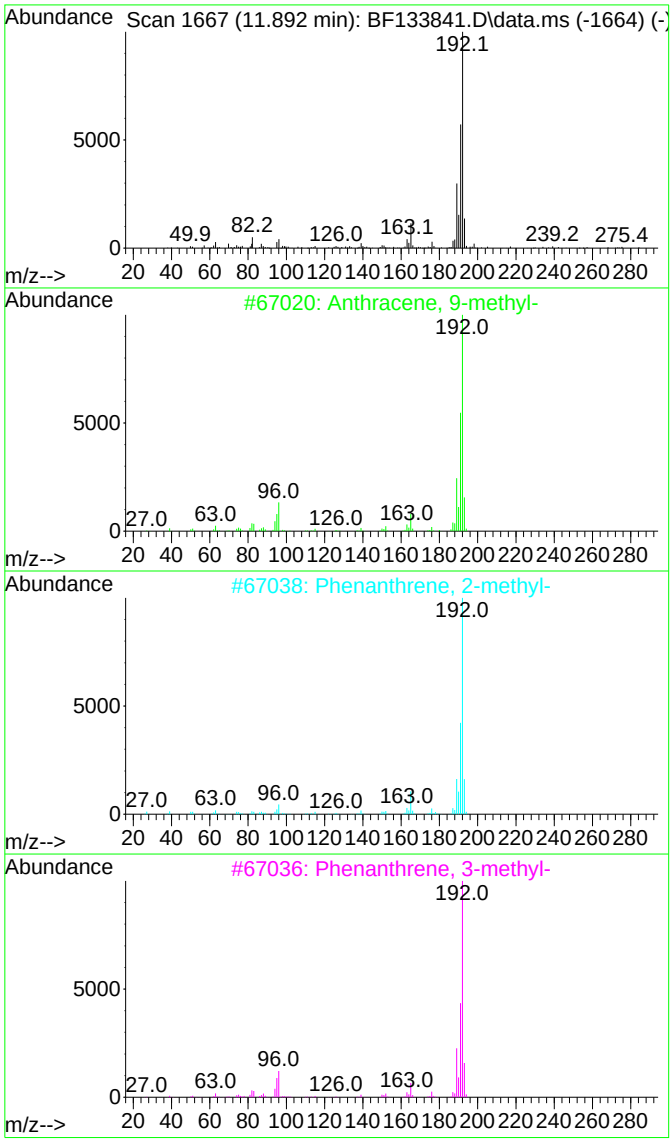
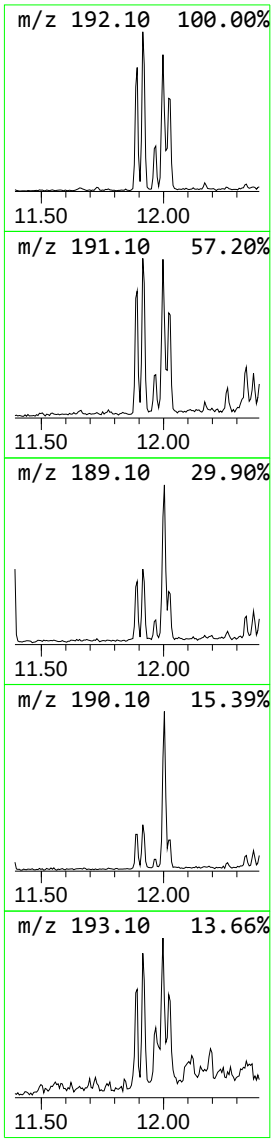
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	5.57 ng	165500	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 19 Jun 2023 19:24
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Sample : 03164-01
Misc :
ALS Vial : 17 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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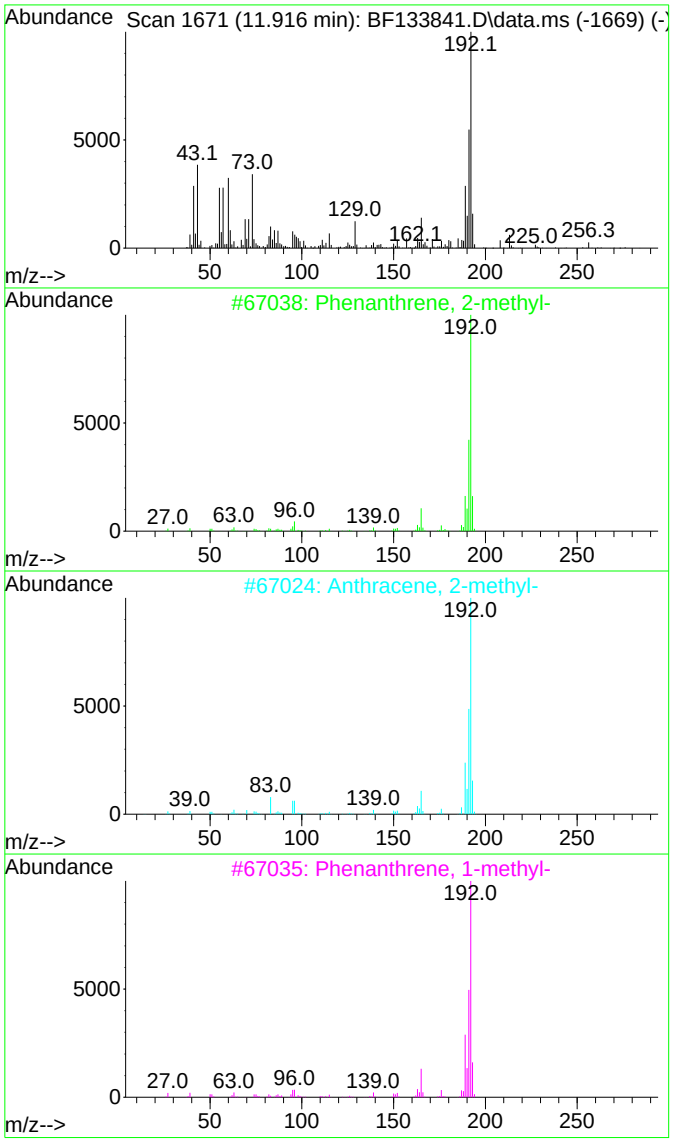
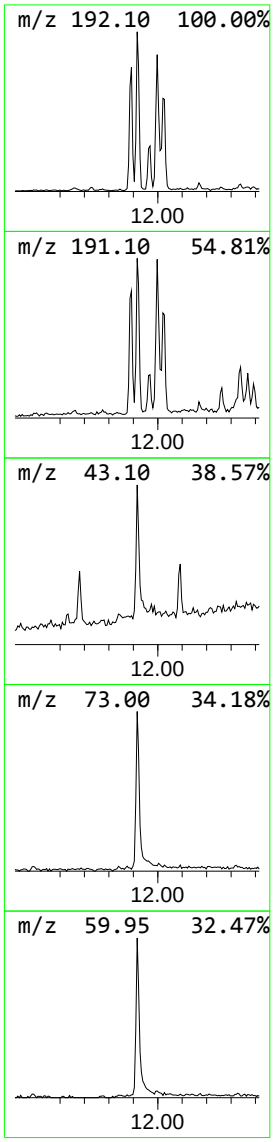
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	14.15 ng	420175	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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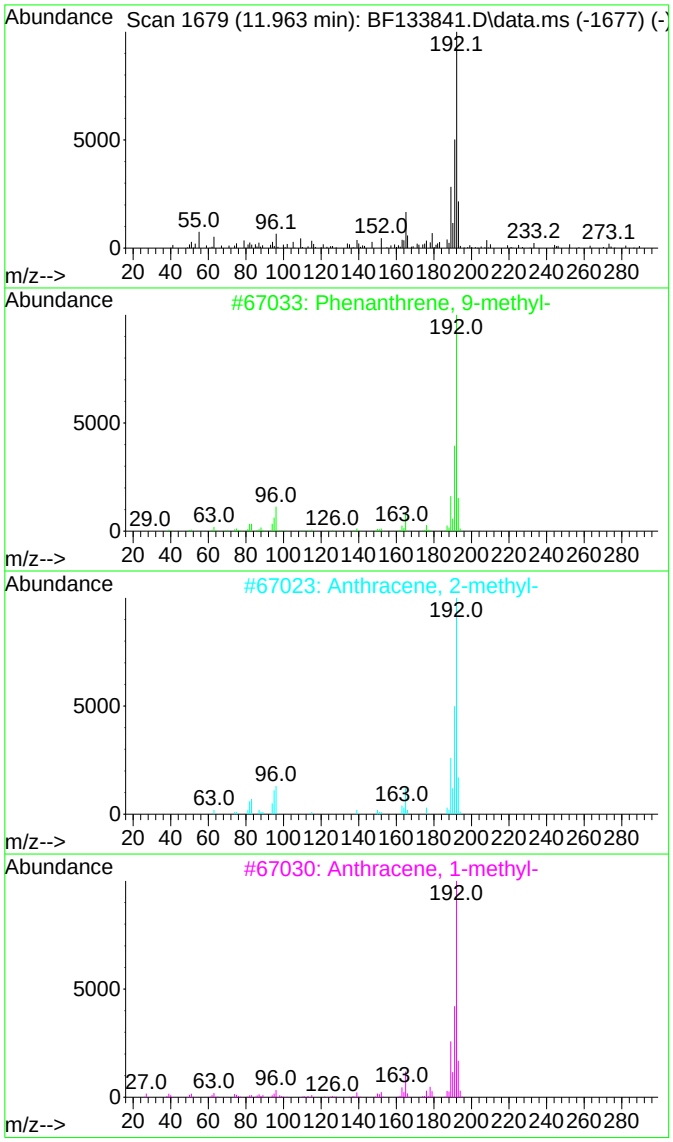
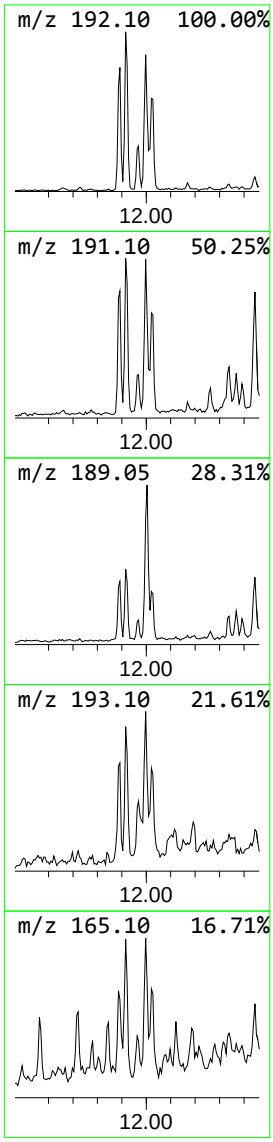
Peak Number 11 Phenanthrene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	2.89 ng	85689	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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Sample : 03164-01
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ALS Vial : 17 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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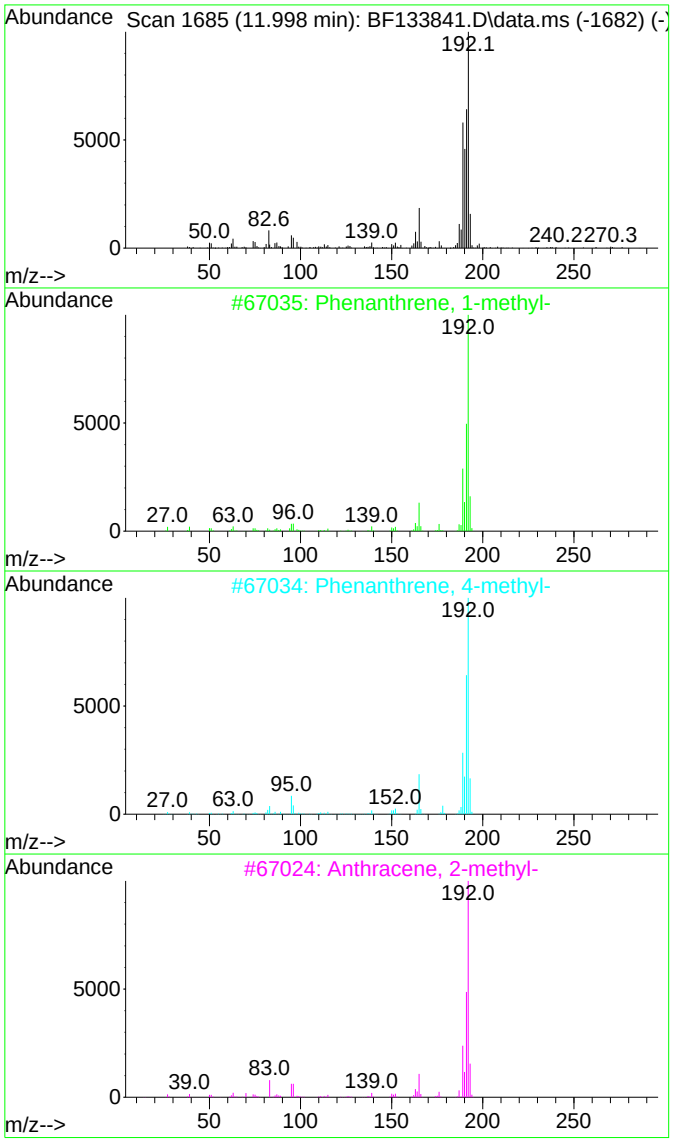
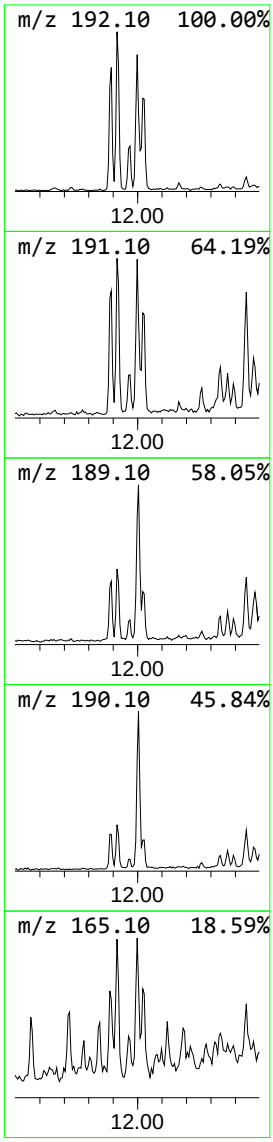
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	9.11 ng	270533	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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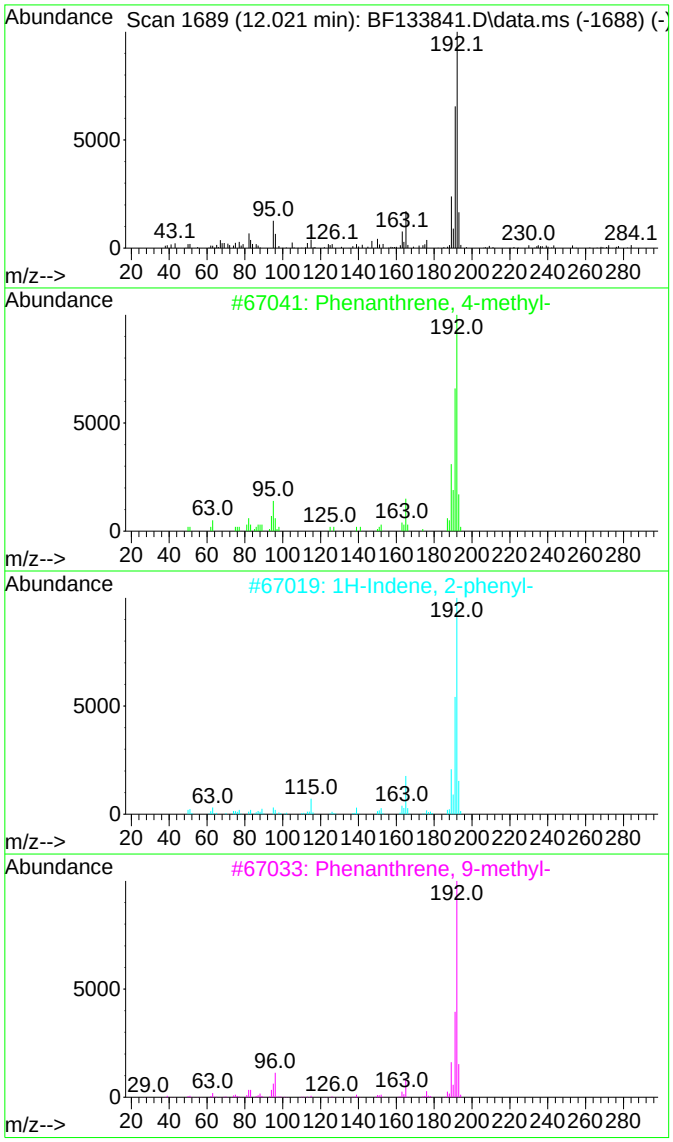
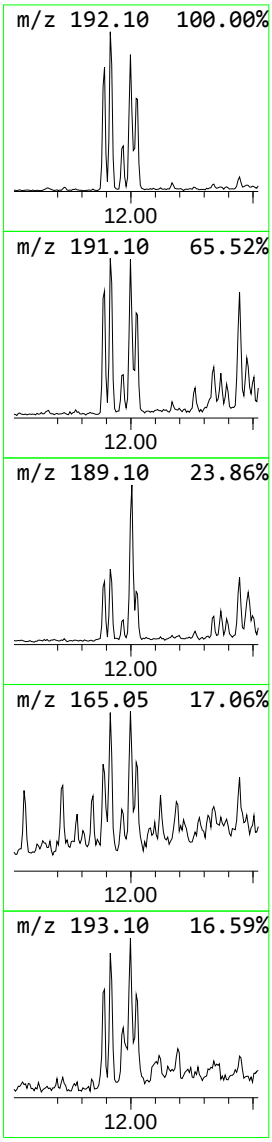
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	3.30 ng	98109	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	80
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76





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

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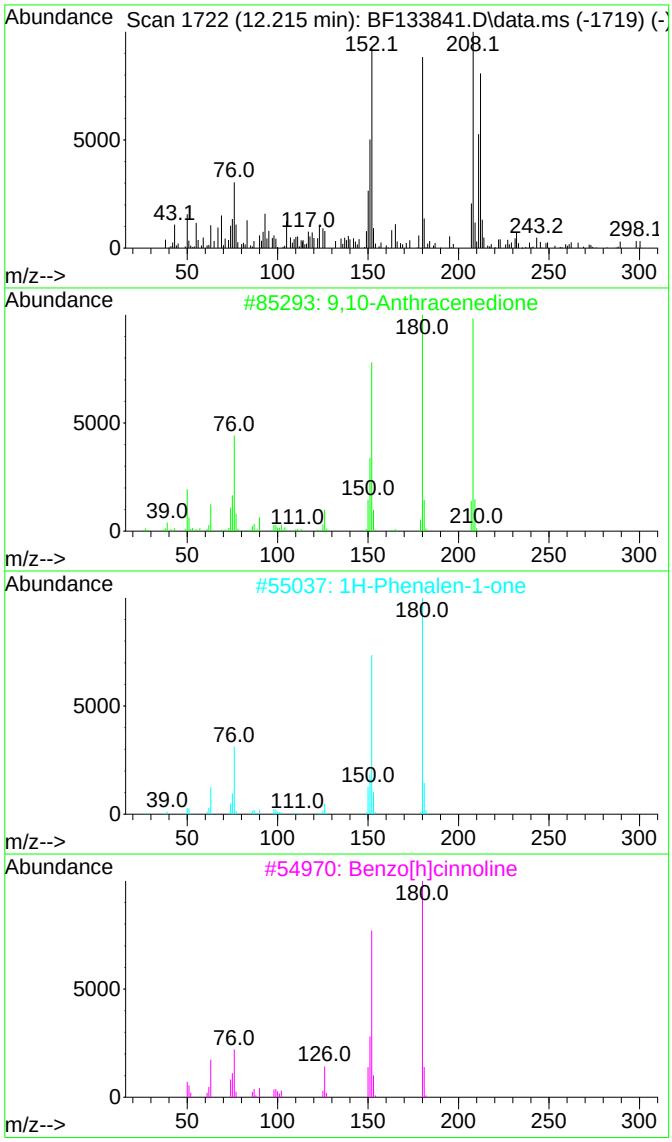
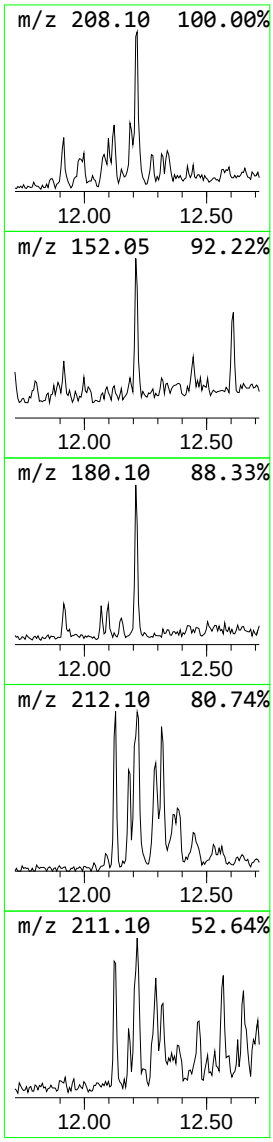
Peak Number 14 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	2.78 ng	82602	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	38
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	38
5	2-(3-Fluorophenyl)-1H-benzimidazole	212	C13H9FN2	000324-15-2	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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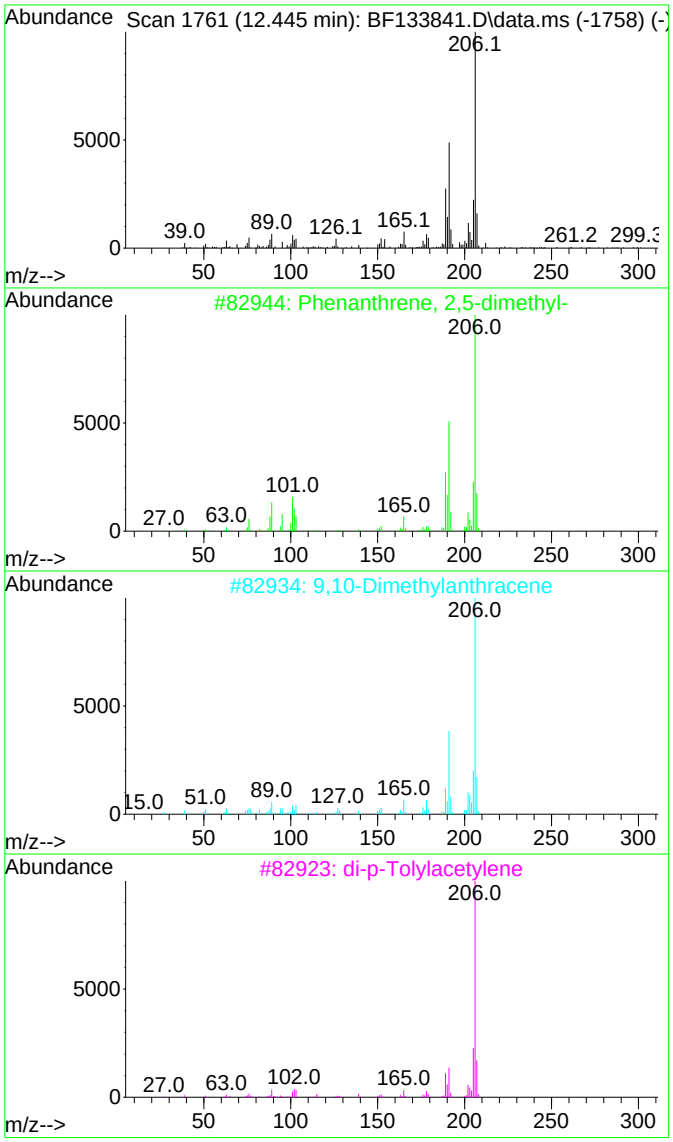
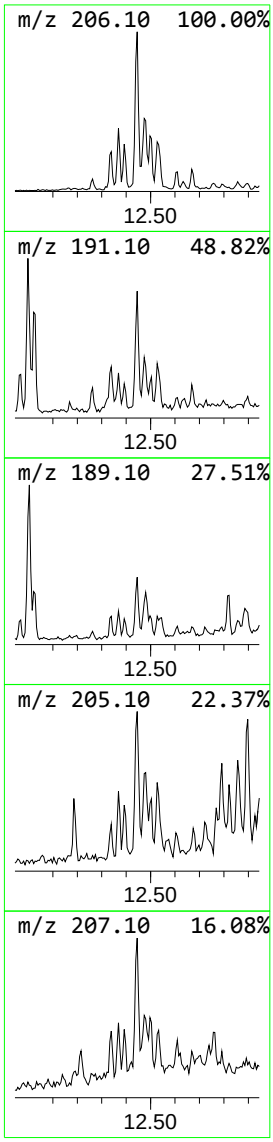
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	7.31 ng	216911	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ALS Vial : 17 Sample Multiplier: 1

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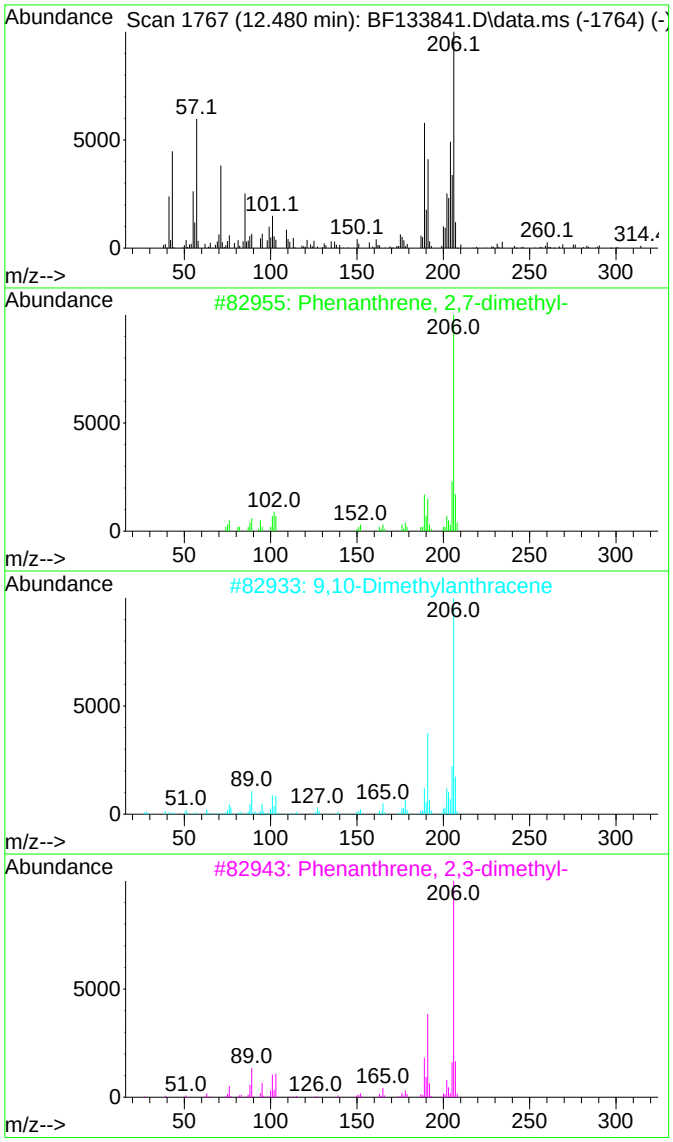
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

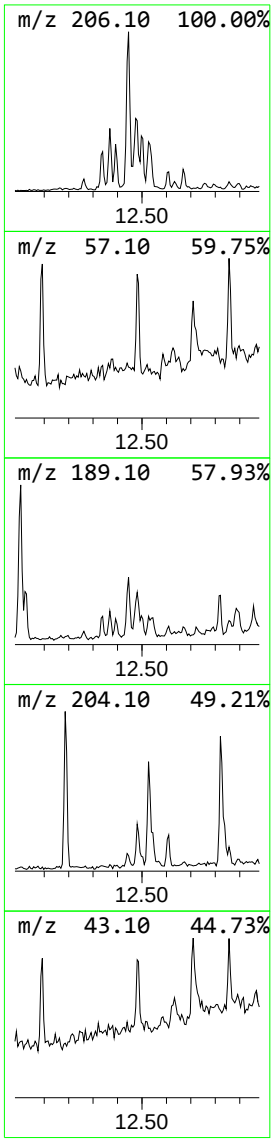
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	4.68 ng	138963	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	35
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	35
5	Scoparone	206	C11H10O4	000120-08-1	30





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
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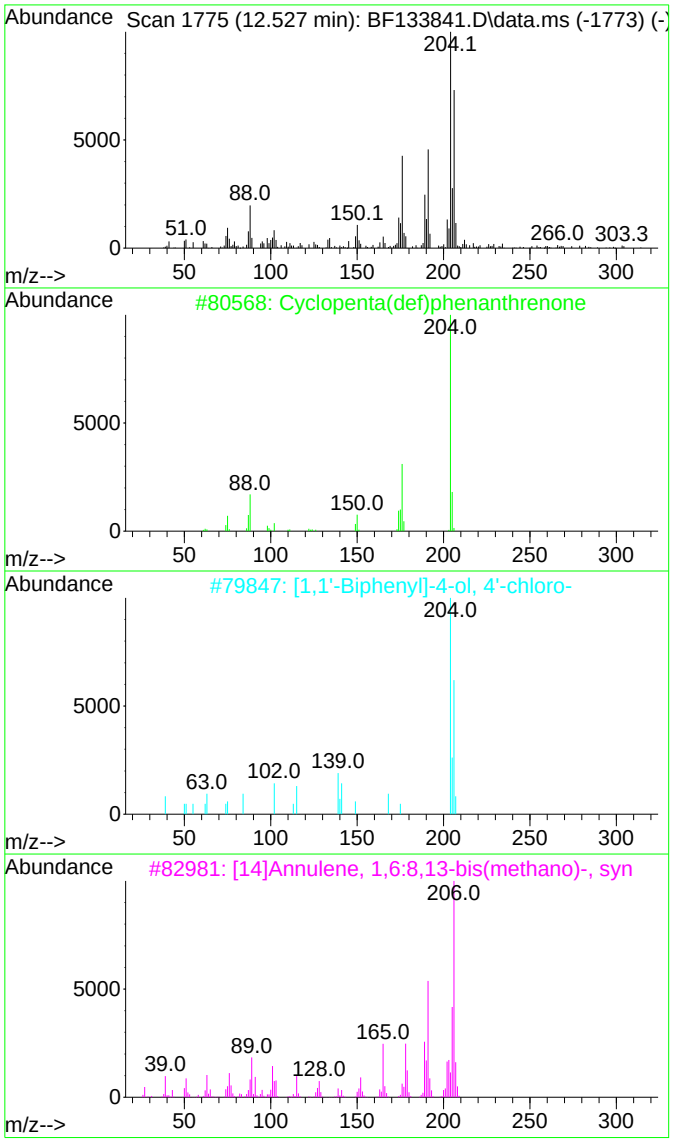
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

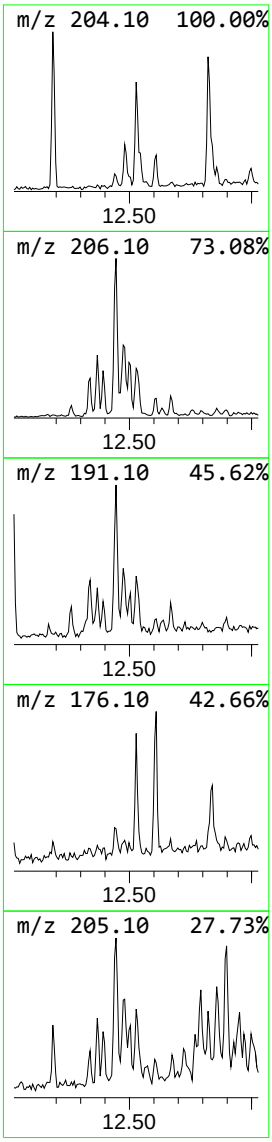
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	3.88 ng	115277	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	41
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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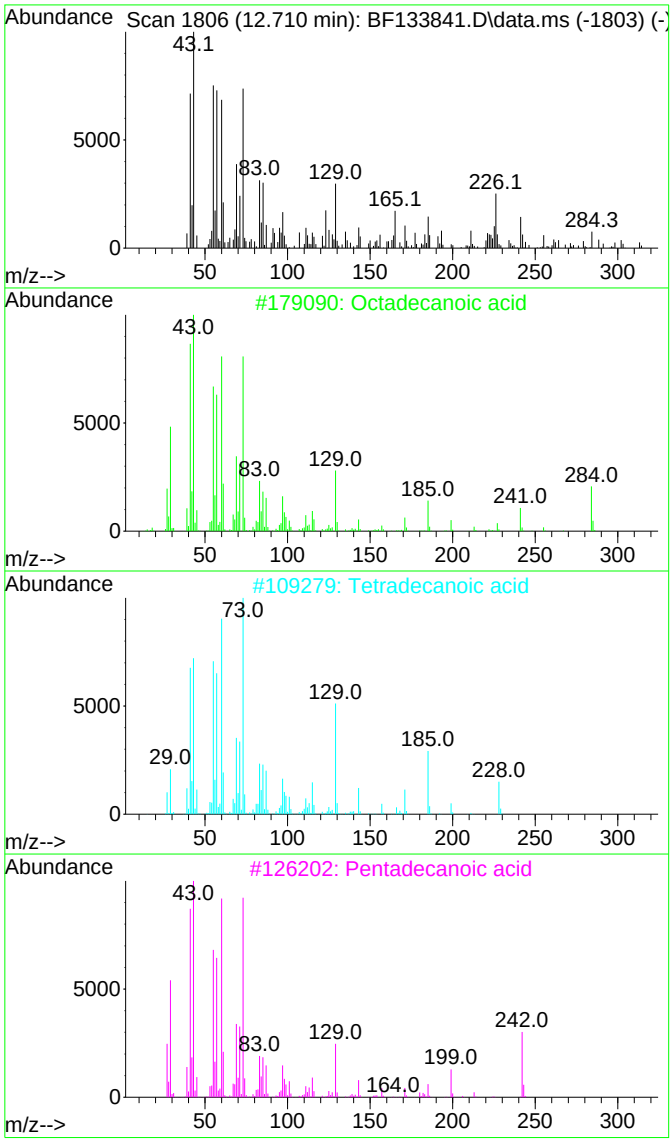
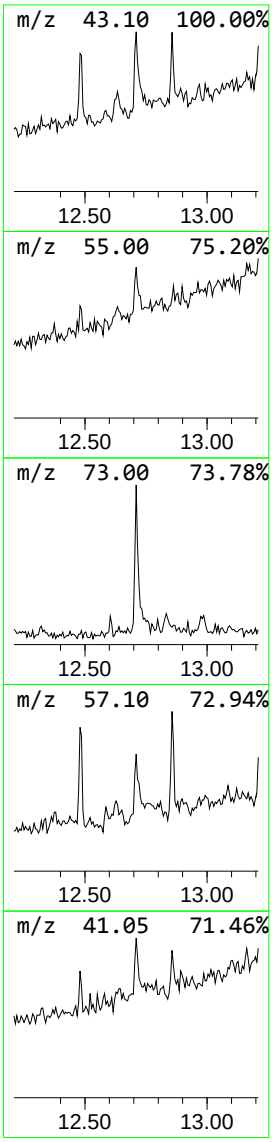
Peak Number 18 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	3.60 ng	106738	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	70
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	60
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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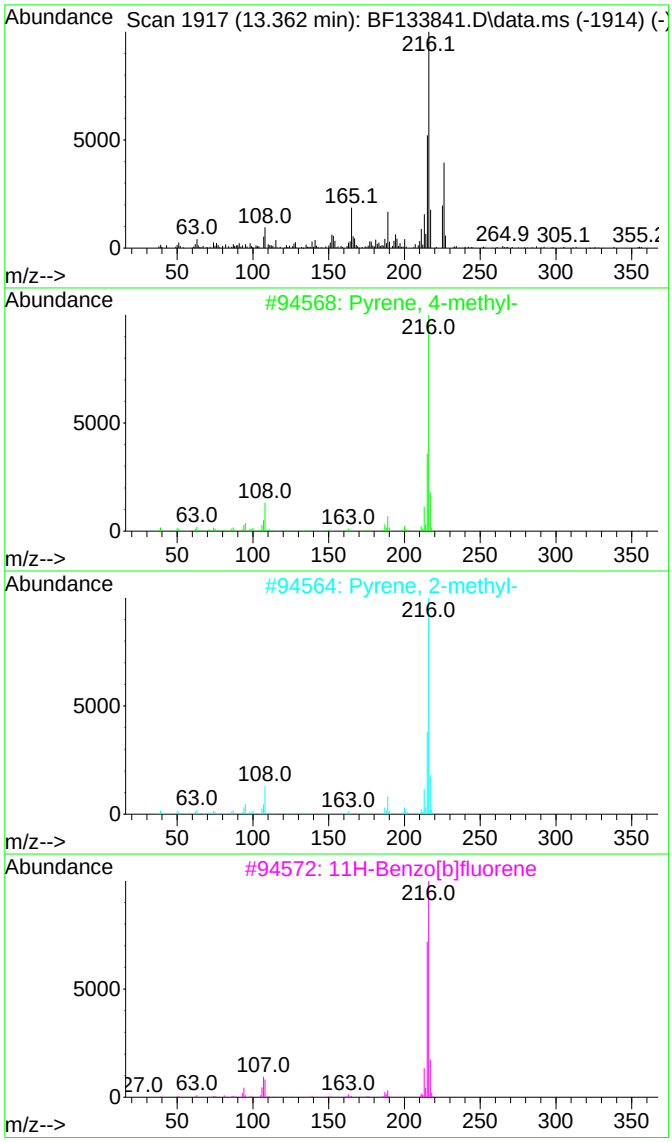
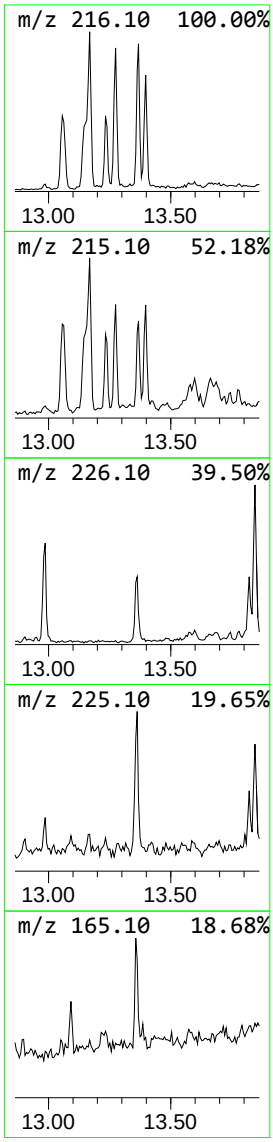
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.363	3.05 ng	185132	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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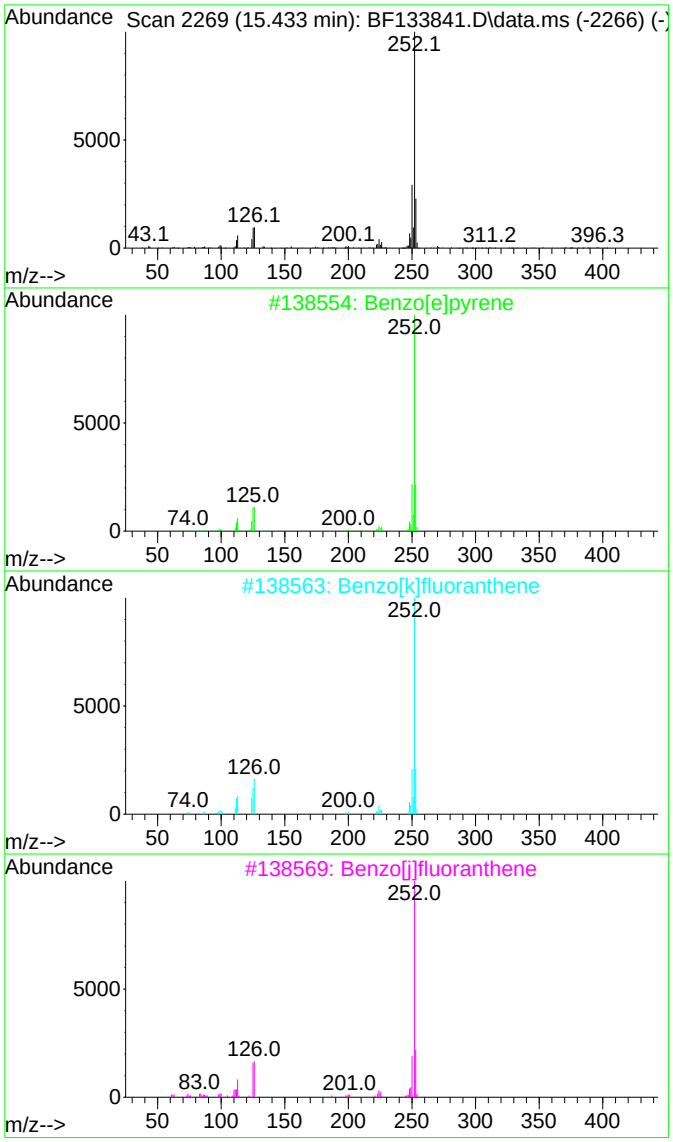
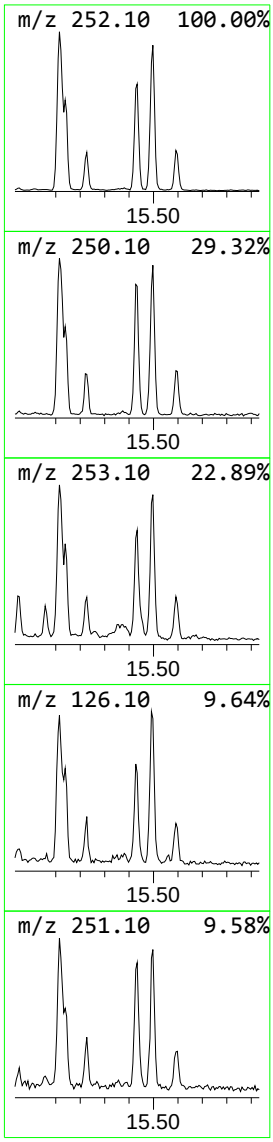
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	15.14 ng	407949	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
Data File : BF133841.D
Acq On : 19 Jun 2023 19:24
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.175	18.8	ng	562248	1	6.857	599399	20.0
Methyl ethyl di...	5.039	2.9	ng	88035	1	6.857	599399	20.0
2-Pentanone, 4-...	5.104	4.6	ng	138312	1	6.857	599399	20.0
Diethyl disulfide	6.022	5.3	ng	160333	1	6.857	599399	20.0
Hexanoic acid, ...	7.516	4.7	ng	156245	2	8.133	670305	20.0
Benzophenone	10.610	4.4	ng	150978	3	9.892	689780	20.0
unknown10.810	10.810	4.9	ng	144913	4	11.386	593728	20.0
Tetracosane	11.251	3.5	ng	103433	4	11.386	593728	20.0
Anthracene, 9-m...	11.892	5.6	ng	165500	4	11.386	593728	20.0
Phenanthrene, 2...	11.916	14.2	ng	420175	4	11.386	593728	20.0
Phenanthrene, 9...	11.963	2.9	ng	85689	4	11.386	593728	20.0
Phenanthrene, 1...	11.998	9.1	ng	270533	4	11.386	593728	20.0
Phenanthrene, 4...	12.021	3.3	ng	98109	4	11.386	593728	20.0
9,10-Anthracene...	12.216	2.8	ng	82602	4	11.386	593728	20.0
Phenanthrene, 2...	12.445	7.3	ng	216911	4	11.386	593728	20.0
Phenanthrene, 2...	12.480	4.7	ng	138963	4	11.386	593728	20.0
Cyclopenta(def)...	12.527	3.9	ng	115277	4	11.386	593728	20.0
Octadecanoic acid	12.710	3.6	ng	106738	4	11.386	593728	20.0
Pyrene, 4-methyl-	13.363	3.0	ng	185132	5	14.051	1212580	20.0
Benzo[e]pyrene	15.433	15.1	ng	407949	6	15.562	539040	20.0