LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
Data File : BF133802.D
Acq On : 16 Jun 2023 05:46
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 20 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: BF133802.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	17	22	31	rVB3	31912	51513	2.29%	0.199%
2	3.893	303	307	313	rVB	22945	29159	1.30%	0.113%
3	4.463	400	404	411	rVB3	21962	40621	1.81%	0.157%
4	4.987	489	493	498	rVB	93477	96537	4.29%	0.373%
5	5.051	498	504	509	rBV	106626	146803	6.52%	0.567%
6	5.451	567	572	575	rVB	2343669	2119781	94.21%	8.182%
7	5.675	606	610	613	rBV2	49280	53545	2.38%	0.207%
8	5.987	660	663	667	rBV	196954	161501	7.18%	0.623%
9	6.081	673	679	682	rBV3	17400	30615	1.36%	0.118%
10	6.463	739	744	747	rBV	2371866	2249943	100.00%	8.684%
11	6.663	773	778	783	rBV2	65056	86986	3.87%	0.336%
12	6.828	803	806	813	rVB	789371	657293	29.21%	2.537%
13	7.092	847	851	856	rBV2	24179	36842	1.64%	0.142%
14	7.228	870	874	878	rBV6	19121	31399	1.40%	0.121%
15	7.392	898	902	905	rBV	1709122	1482950	65.91%	5.724%
16	7.422	905	907	911	rVB	34989	28719	1.28%	0.111%
17	7.492	913	919	922	rBV	105435	134618	5.98%	0.520%
18	7.686	949	952	957	rVB	75062	66377	2.95%	0.256%
19	7.798	967	971	974	rBV2	49777	44899	2.00%	0.173%
20	7.857	978	981	986	rVV6	27816	42942	1.91%	0.166%
21	7.910	986	990	998	rVB7	24421	54016	2.40%	0.208%
22	8.110	1021	1024	1027	rBV	853277	686548	30.51%	2.650%
23	8.133	1027	1028	1031	rVB	106438	55154	2.45%	0.213%
24	8.169	1031	1034	1042	rVB2	43588	60102	2.67%	0.232%
25	8.328	1058	1061	1067	rVB	77141	60980	2.71%	0.235%
26	8.386	1068	1071	1078	rVB	93131	97295	4.32%	0.376%
27	8.528	1092	1095	1098	rBV	55757	55751	2.48%	0.215%
28	8.575	1100	1103	1107	rVB	29837	34123	1.52%	0.132%
29	8.698	1121	1124	1127	rBV	50562	44975	2.00%	0.174%
30	8.822	1142	1145	1149	rVB2	115644	107672	4.79%	0.416%
31	8.880	1152	1155	1159	rVB3	42566	45318	2.01%	0.175%
32	8.922	1159	1162	1165	rBV	81080	62833	2.79%	0.243%
33	9.104	1190	1193	1195	rBV	40569	35188	1.56%	0.136%
34	9.186	1203	1207	1210	rBV	2665855	2123524	94.38%	8.196%
35	9.263	1217	1220	1223	rBV	48124	43568	1.94%	0.168%
36	9.451	1246	1252	1255	rBV3	32395	44620	1.98%	0.172%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
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Misc :
ALS Vial : 20 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	9.522	1261	1264	1267	rBV	56355	62364	2.77%	0.241%
38	9.551	1267	1269	1271	rVV	39698	31186	1.39%	0.120%
39	9.586	1271	1275	1277	rVV3	53492	57082	2.54%	0.220%
40	9.639	1281	1284	1286	rBV	30750	26205	1.16%	0.101%
41	9.728	1296	1299	1302	rVB	100088	83675	3.72%	0.323%
42	9.792	1309	1310	1313	rVB	42638	30850	1.37%	0.119%
43	9.869	1319	1323	1326	rVV	640139	549164	24.41%	2.120%
44	9.898	1326	1328	1331	rVB2	48632	41391	1.84%	0.160%
45	10.022	1344	1349	1351	rBV5	22586	34600	1.54%	0.134%
46	10.069	1353	1357	1361	rVV2	70068	75503	3.36%	0.291%
47	10.110	1361	1364	1369	rVB3	38842	36954	1.64%	0.143%
48	10.180	1373	1376	1379	rBV2	38945	40754	1.81%	0.157%
49	10.275	1388	1392	1394	rBV3	42209	53739	2.39%	0.207%
50	10.292	1394	1395	1398	rVB2	59439	42886	1.91%	0.166%
51	10.410	1412	1415	1422	rVB4	45421	62822	2.79%	0.242%
52	10.516	1431	1433	1438	rVB3	24155	33559	1.49%	0.130%
53	10.580	1439	1444	1446	rBV2	143681	129169	5.74%	0.499%
54	10.657	1453	1457	1460	rBV	1321637	1133410	50.38%	4.375%
55	10.780	1473	1478	1481	rVB2	82298	115967	5.15%	0.448%
56	11.157	1539	1542	1545	rBV2	49484	47121	2.09%	0.182%
57	11.216	1550	1552	1555	rVV	63167	63273	2.81%	0.244%
58	11.251	1555	1558	1562	rVB	70860	72446	3.22%	0.280%
59	11.357	1572	1576	1578	rBV	603999	580799	25.81%	2.242%
60	11.380	1578	1580	1583	rVV	561165	438571	19.49%	1.693%
61	11.427	1586	1588	1591	rVB	118076	98836	4.39%	0.381%
62	11.463	1591	1594	1597	rBV2	40856	49769	2.21%	0.192%
63	11.586	1612	1615	1621	rBV	60435	75104	3.34%	0.290%
64	11.645	1623	1625	1628	rVB2	49905	46032	2.05%	0.178%
65	11.686	1629	1632	1635	rVV	64416	52502	2.33%	0.203%
66	11.810	1650	1653	1655	rBV2	51985	59662	2.65%	0.230%
67	11.857	1658	1661	1663	rVV	182546	177751	7.90%	0.686%
68	11.880	1663	1665	1671	rVV	416938	445816	19.81%	1.721%
69	11.933	1671	1674	1676	rVV	69500	85602	3.80%	0.330%
70	11.969	1677	1680	1682	rVV2	247481	257660	11.45%	0.995%
71	11.992	1682	1684	1689	rVB	133618	116874	5.19%	0.451%
72	12.151	1709	1711	1713	rBV	102956	93308	4.15%	0.360%
73	12.180	1713	1716	1719	rVB2	88236	87314	3.88%	0.337%
74	12.304	1735	1737	1739	rBV	64357	47589	2.12%	0.184%
75	12.333	1740	1742	1744	rVV	66052	51275	2.28%	0.198%
76	12.410	1752	1755	1758	rBV	205977	219584	9.76%	0.848%

LSC Area Percent Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

77	12.445	1758	1761	1763	rVV	126007	130899	5.82%	0.505%
78	12.492	1767	1769	1774	rBV3	106492	140992	6.27%	0.544%
79	12.574	1779	1783	1786	rBV	950262	878387	39.04%	3.390%
80	12.668	1797	1799	1801	rBV2	97638	82475	3.67%	0.318%
81	12.804	1816	1822	1824	rBV	1081177	1150528	51.14%	4.441%
82	12.945	1842	1846	1853	rVB	1939240	1679959	74.67%	6.484%
83	13.233	1893	1895	1898	rVB2	149062	117962	5.24%	0.455%
84	13.357	1914	1916	1919	rBV	128699	112129	4.98%	0.433%
85	13.845	1997	1999	2005	rVB	200102	224446	9.98%	0.866%
86	13.998	2021	2025	2028	rBV2	741633	1084385	48.20%	4.186%
87	14.027	2028	2030	2036	rVB	512847	499926	22.22%	1.930%
88	15.045	2199	2203	2210	rBV	500204	850945	37.82%	3.284%
89	15.345	2252	2254	2260	rVB	296611	338343	15.04%	1.306%
90	15.409	2261	2265	2271	rVB	358524	488149	21.70%	1.884%
91	15.468	2272	2275	2278	rBV	312000	382203	16.99%	1.475%
92	16.927	2519	2523	2533	rVB2	203384	398234	17.70%	1.537%
93	17.374	2594	2599	2605	rVB	161060	335068	14.89%	1.293%

Sum of corrected areas: 25907908

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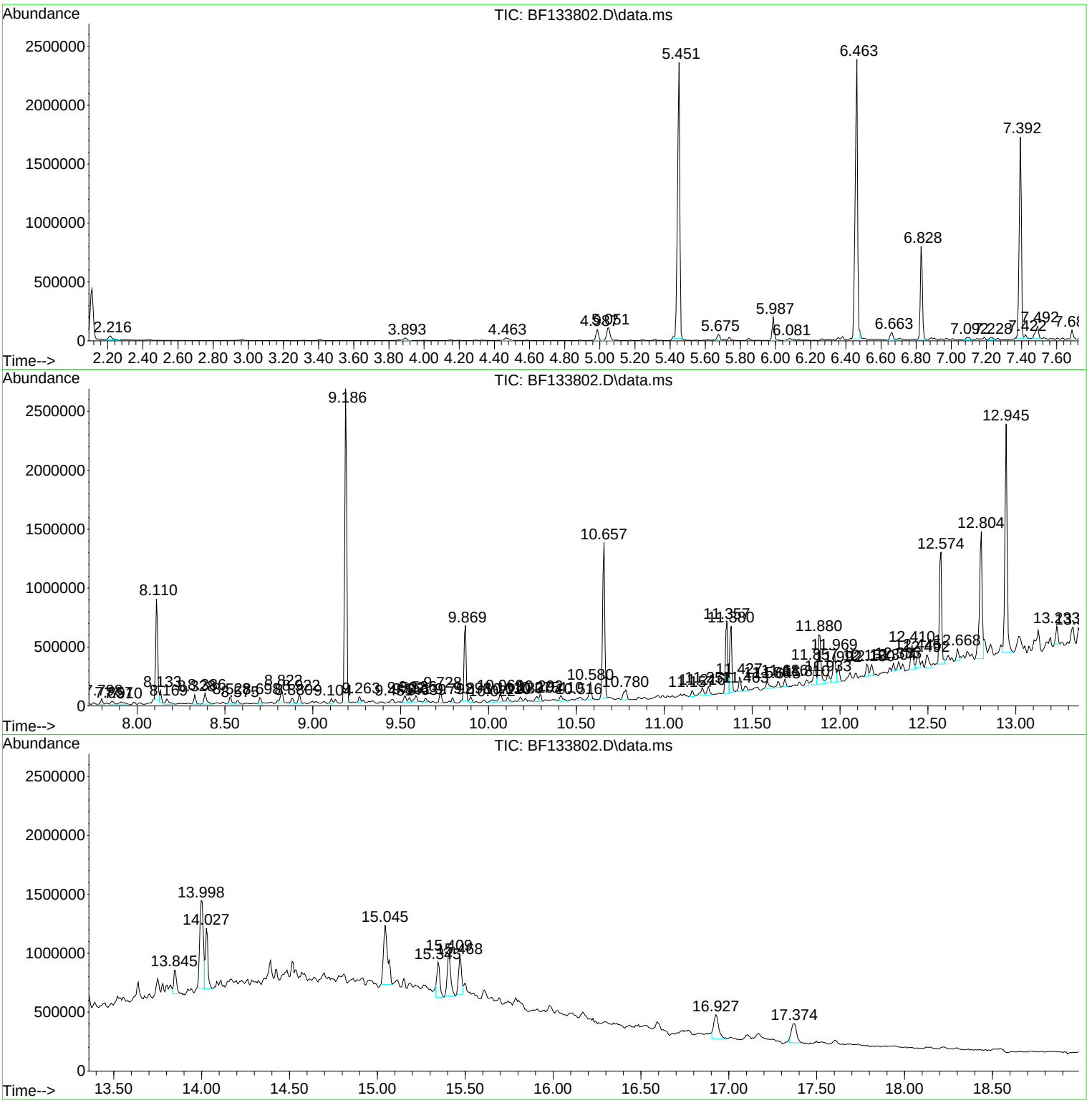
ALS Vial : 20 Sample Multiplier: 1

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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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
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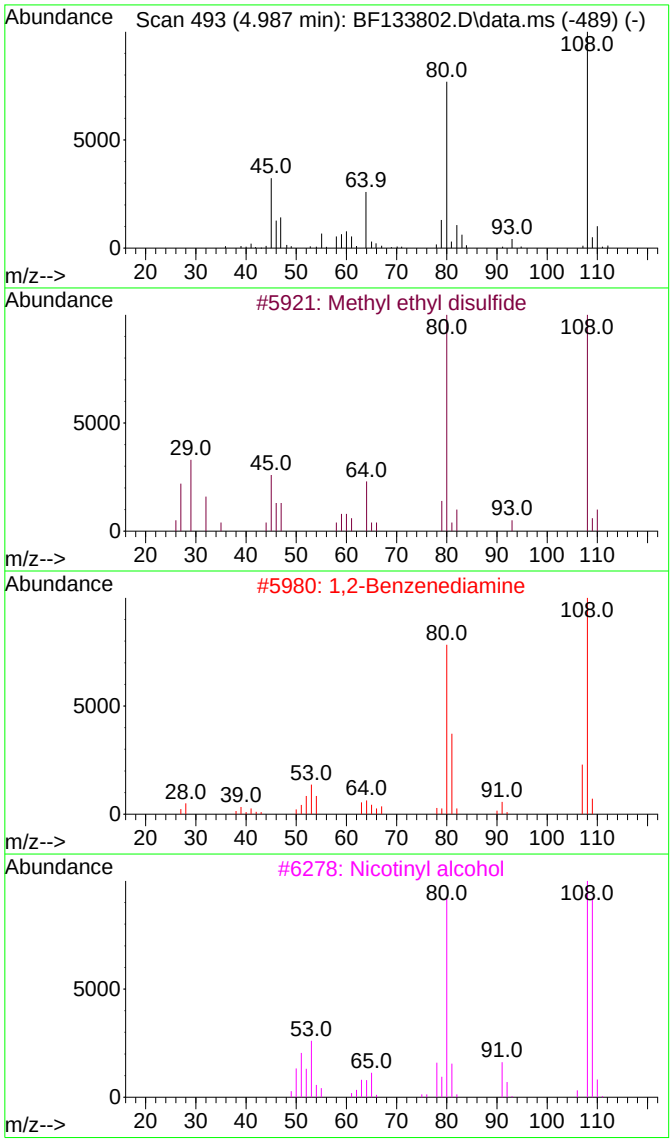
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

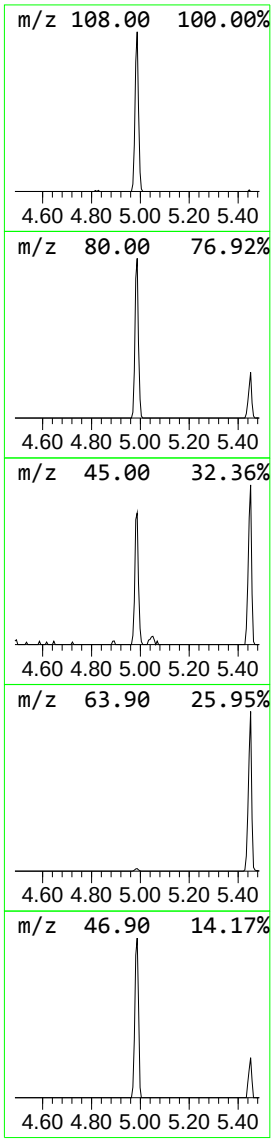
****

Peak Number 1 Methyl ethyl disulfide Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.987	2.94 ng	96537	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	91
2	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72
3	Nicotinyl alcohol	109	C6H7NO	000100-55-0	43
4	Dimethyl phosphite	110	C2H7O3P	000868-85-9	42
5	Ethene, 1-chloro-2-fluoro-	80	C2H2ClF	000460-16-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
Data File : BF133802.D
Acq On : 16 Jun 2023 05:46
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Sample : 03164-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

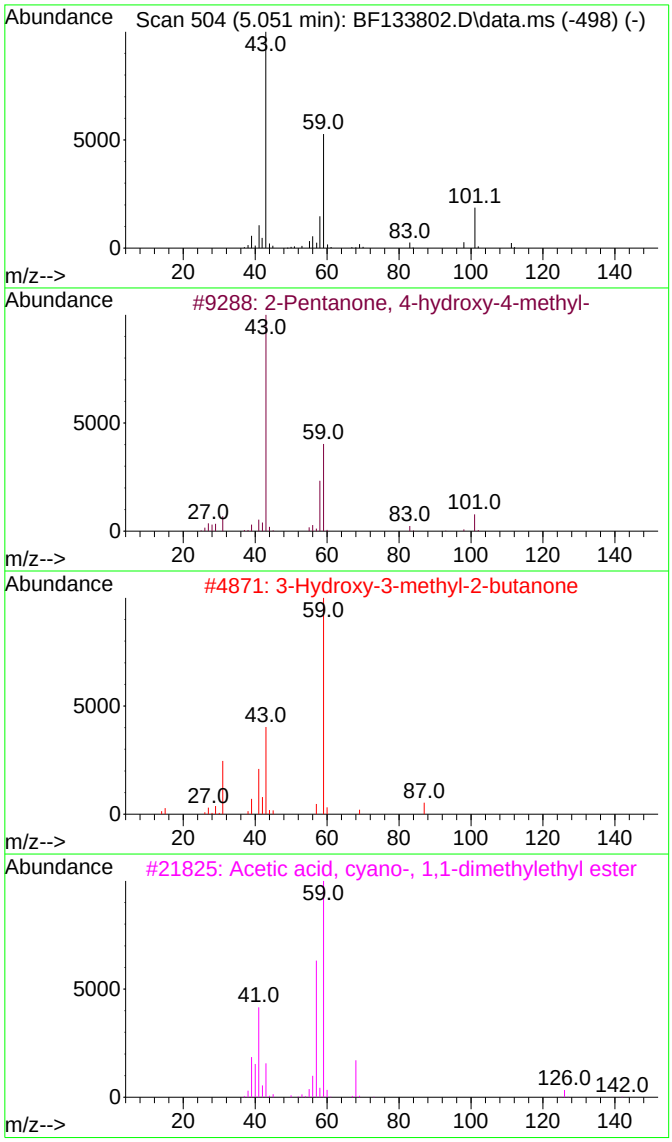
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

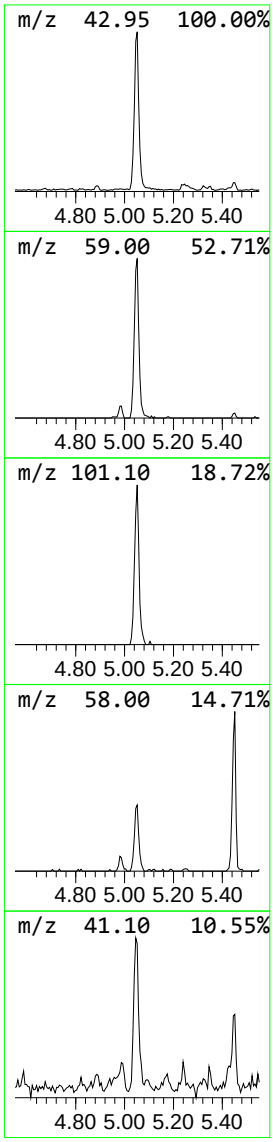
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.051	4.47 ng	146803	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	5-Oxohexanenitrile	111	C6H9NO	010412-98-3	14
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





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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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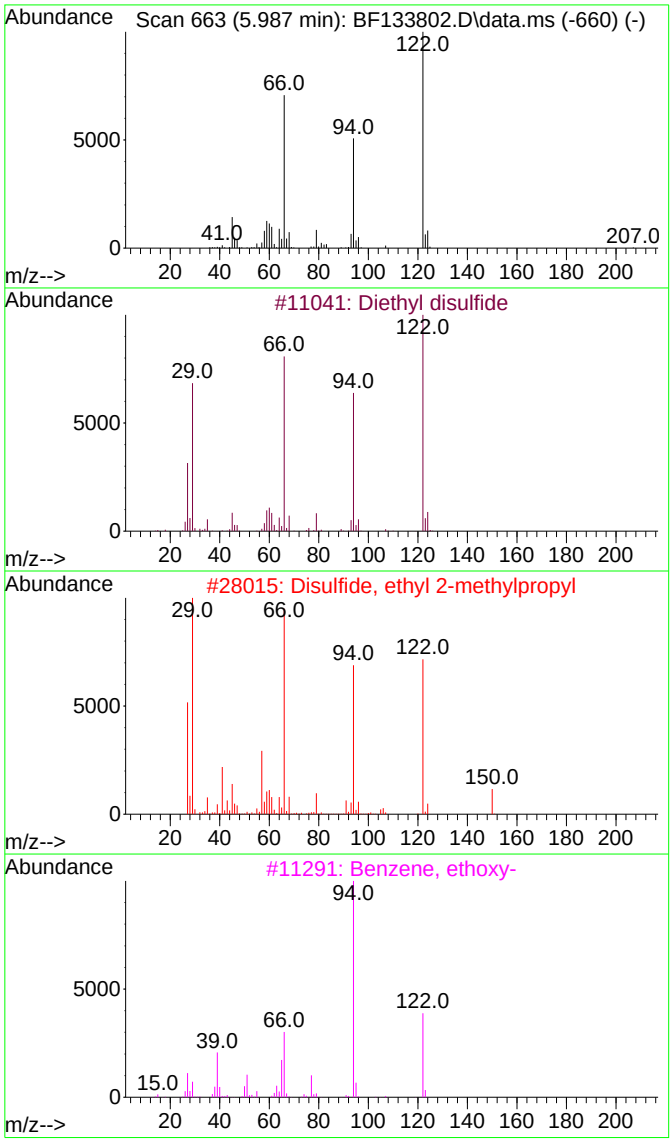
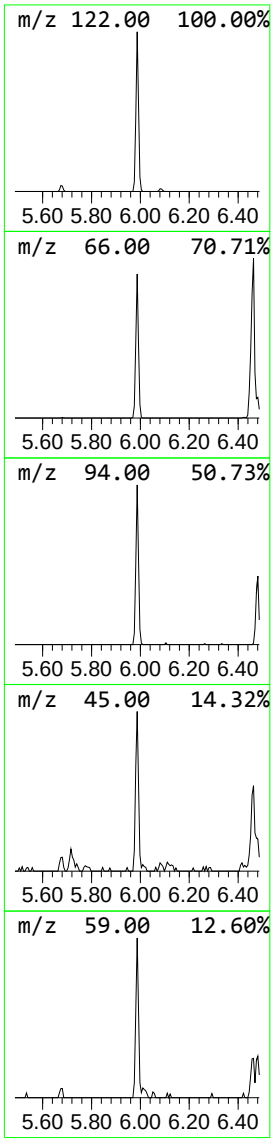
Peak Number 3 Diethyl disulfide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.987	4.91 ng	161501	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	95
2	Disulfide, ethyl 2-methylpropyl	150	C6H14S2	040136-66-1	64
3	Benzene, ethoxy-	122	C8H10O	000103-73-1	45
4	2-Norbornene	94	C7H10	000498-66-8	38
5	Diethyl sulfone	122	C4H10O2S	000597-35-3	36





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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

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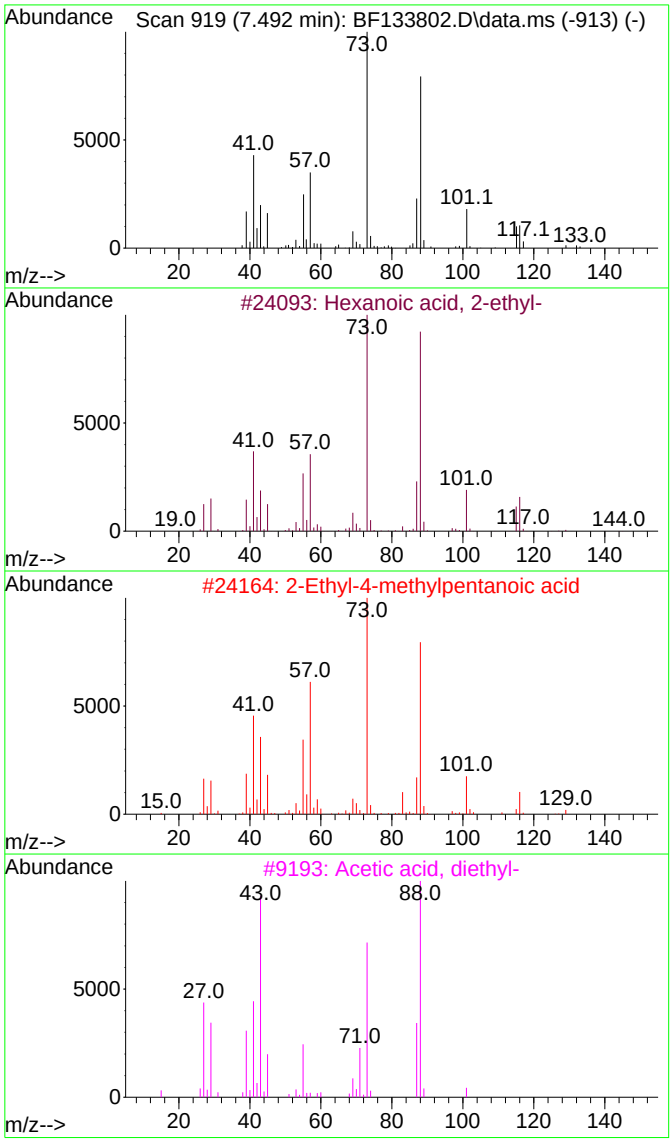
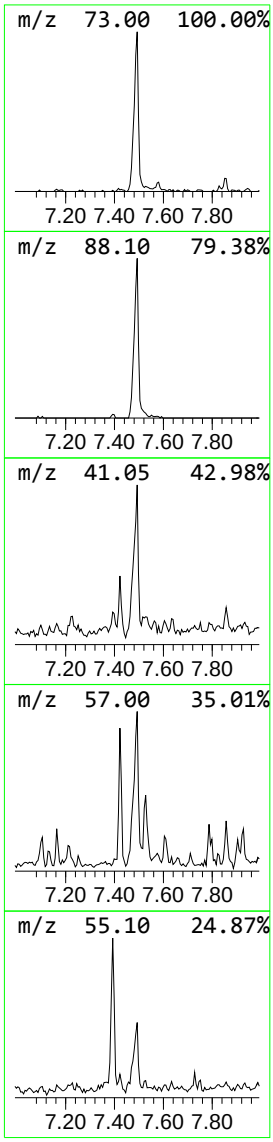
Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.492	3.92 ng	134618	Naphthalene-d8	8.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	86
2	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	50
3	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	42
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	37
5	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	33





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Misc :
ALS Vial : 20 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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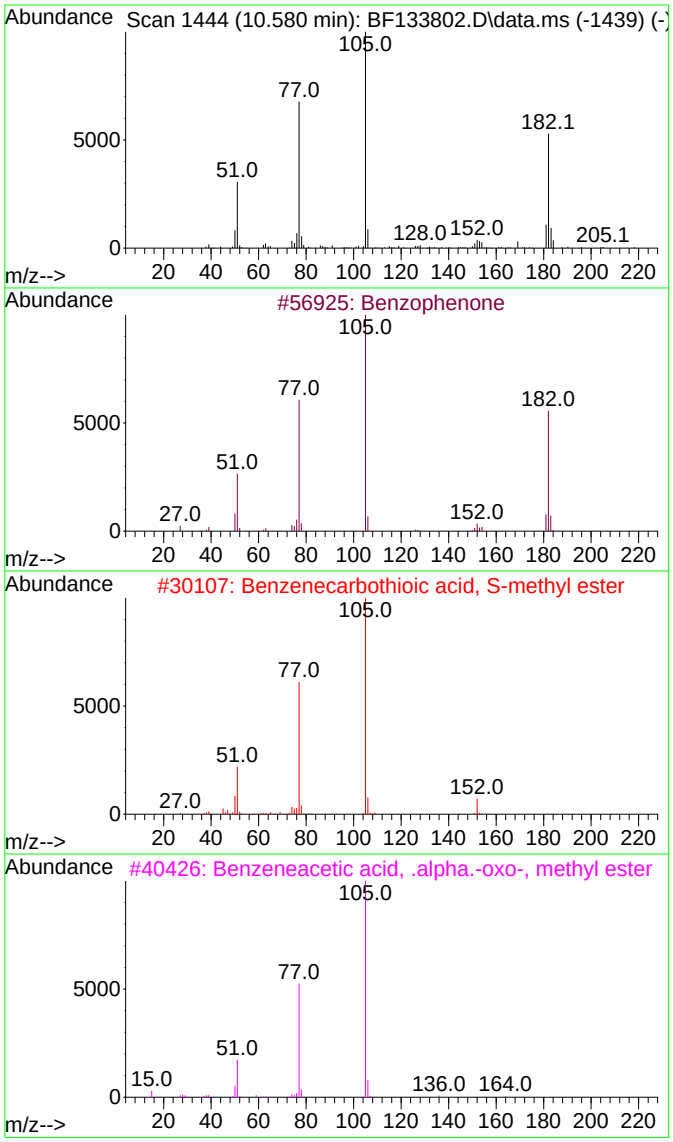
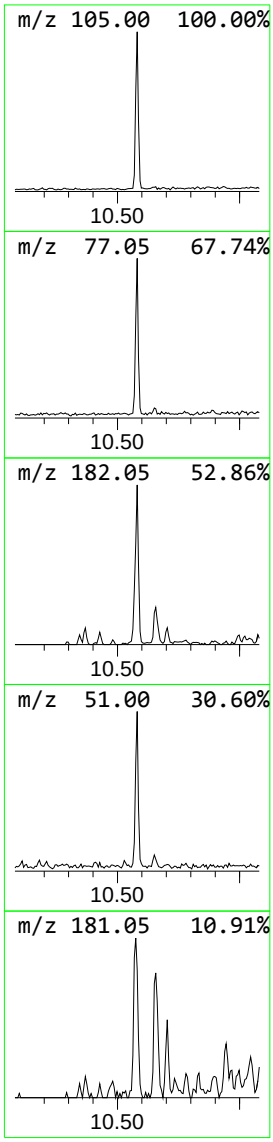
Peak Number 6 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.580	4.70 ng	129169	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	46
4	1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	43
5	5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	43





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Acq On : 16 Jun 2023 05:46
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Sample : 03164-01
Misc :
ALS Vial : 20 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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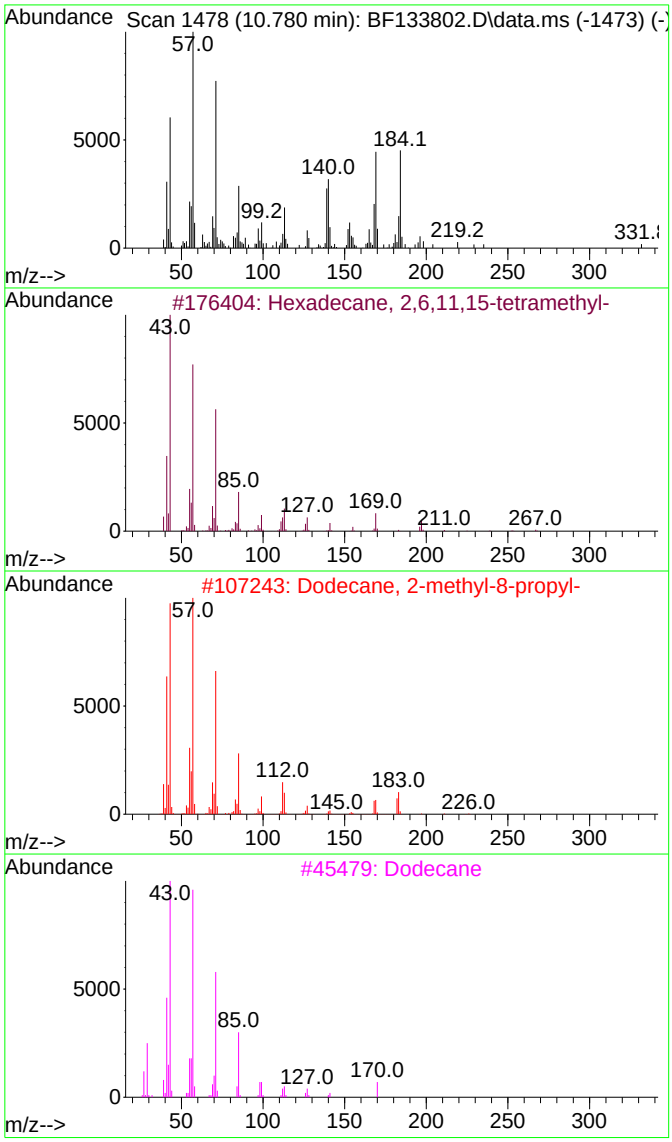
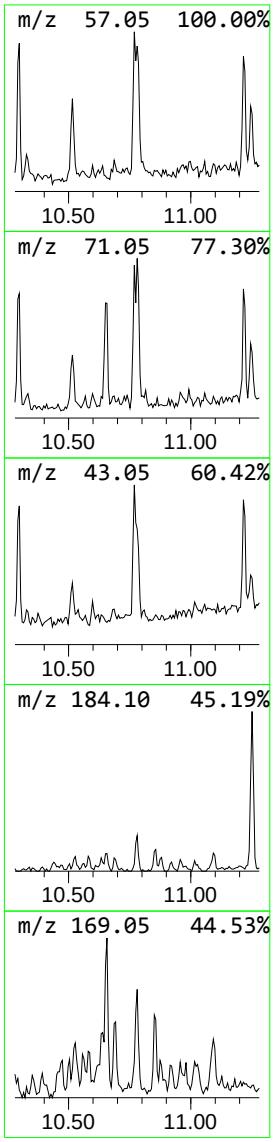
Peak Number 7 unknown10.780 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	3.99 ng	115967	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
2	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	35
3	Dodecane	170	C12H26	000112-40-3	30
4	Decane, 2-methyl-	156	C11H24	006975-98-0	30
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30





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Acq On : 16 Jun 2023 05:46
Operator : CG\JU
Sample : 03164-01
Misc :
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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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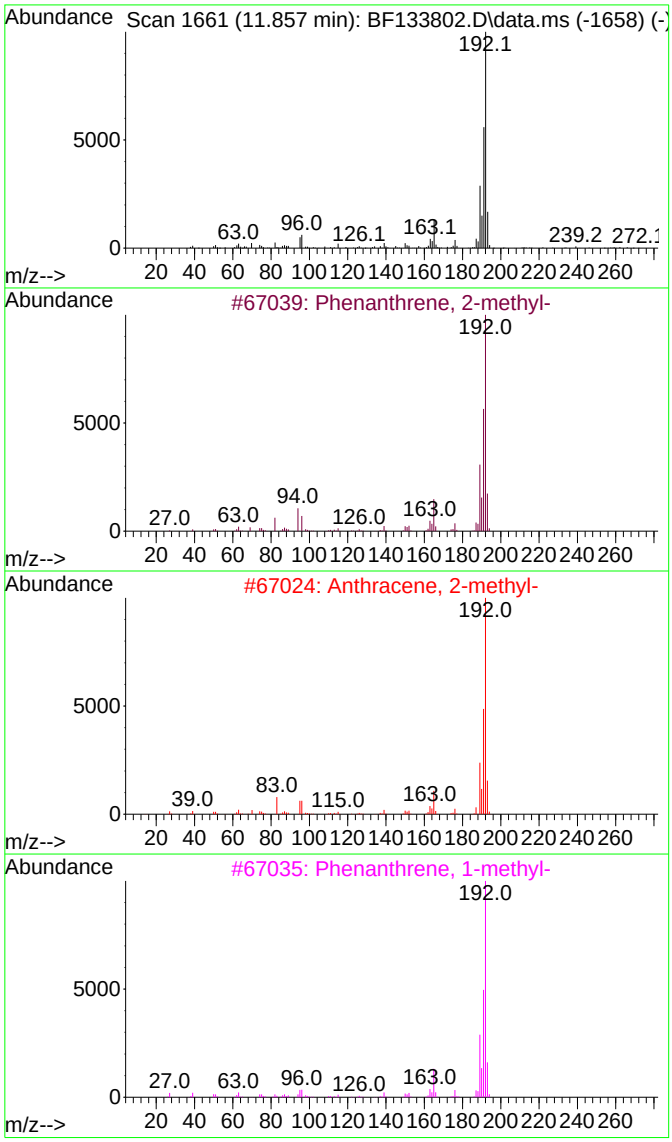
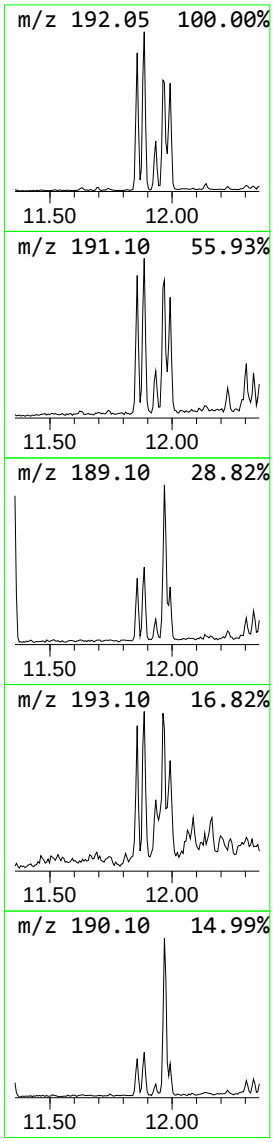
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	6.12 ng	177751	Phenanthrene-d10	11.357

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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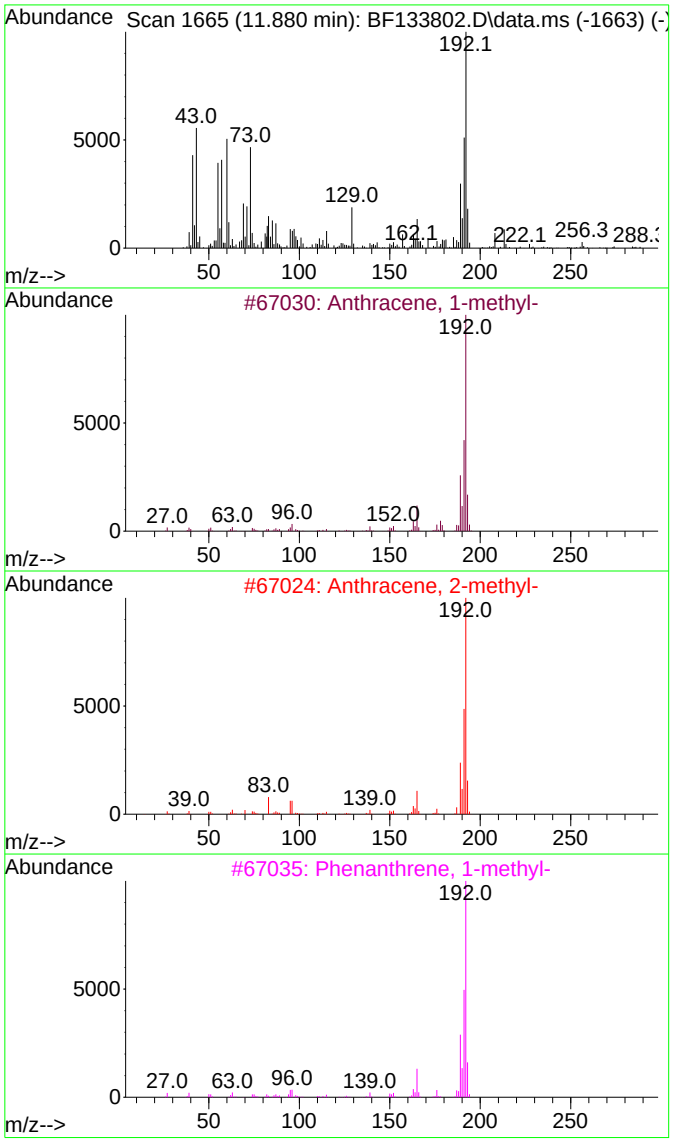
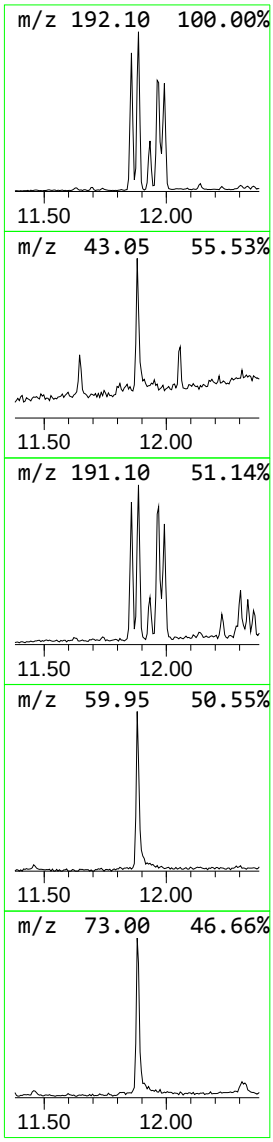
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	15.35 ng	445816	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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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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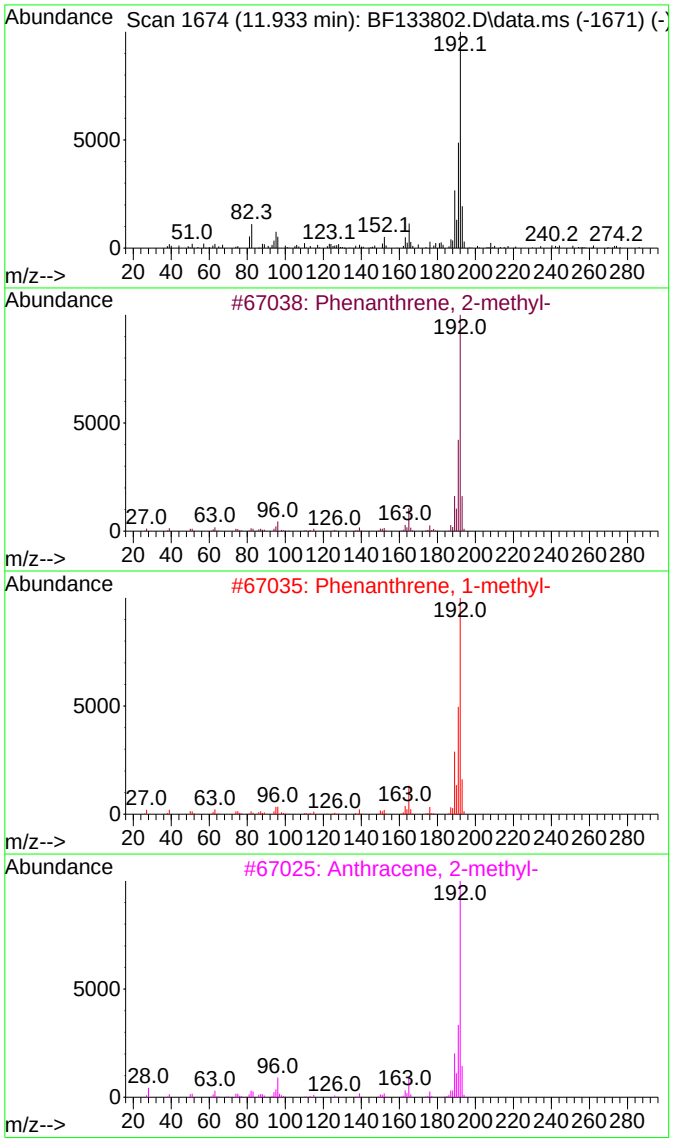
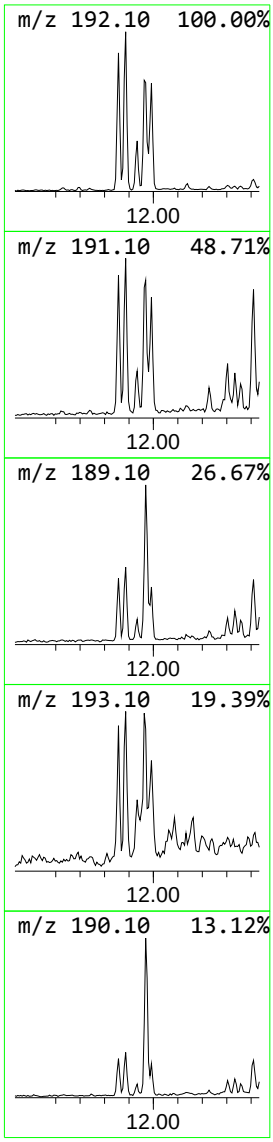
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	2.95 ng	85602	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : 03164-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-001

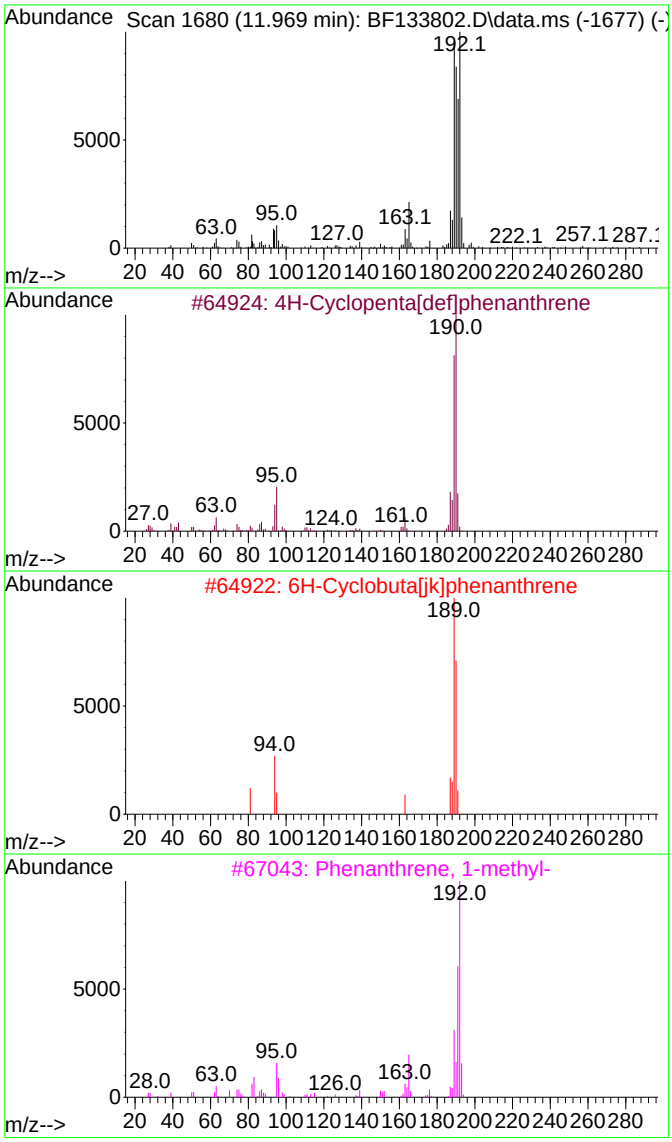
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

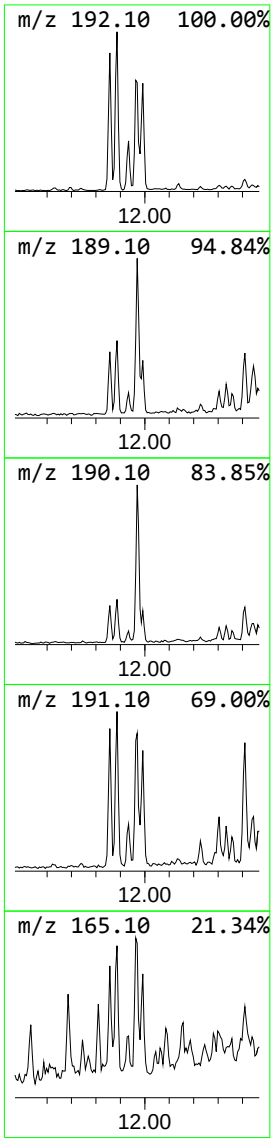
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	8.87 ng	257660	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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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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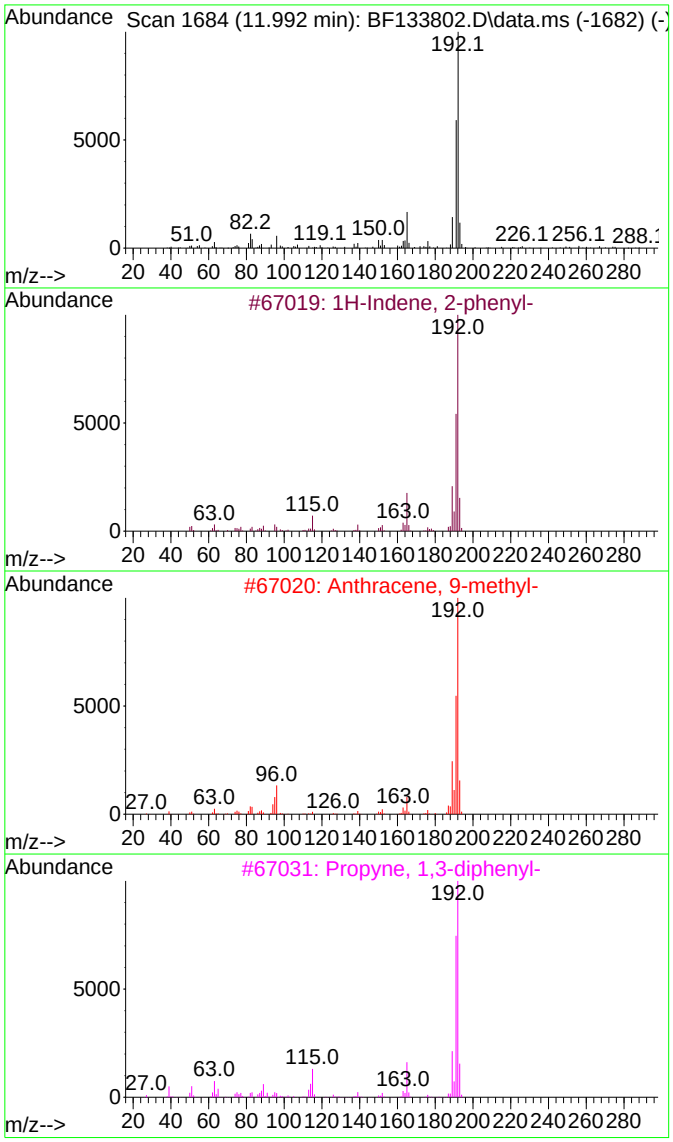
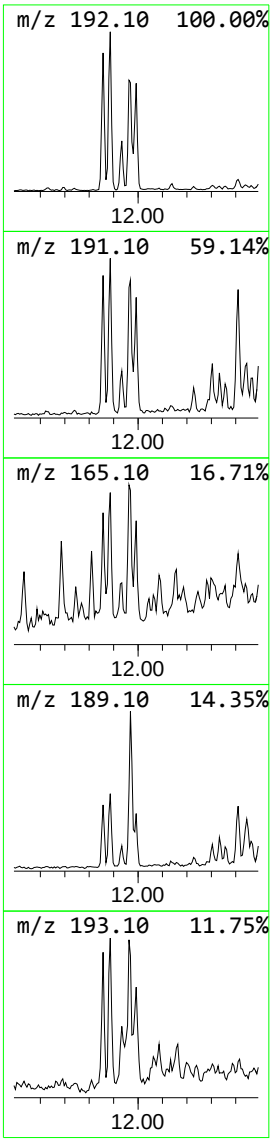
Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	4.02 ng	116874	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80





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ALS Vial : 20 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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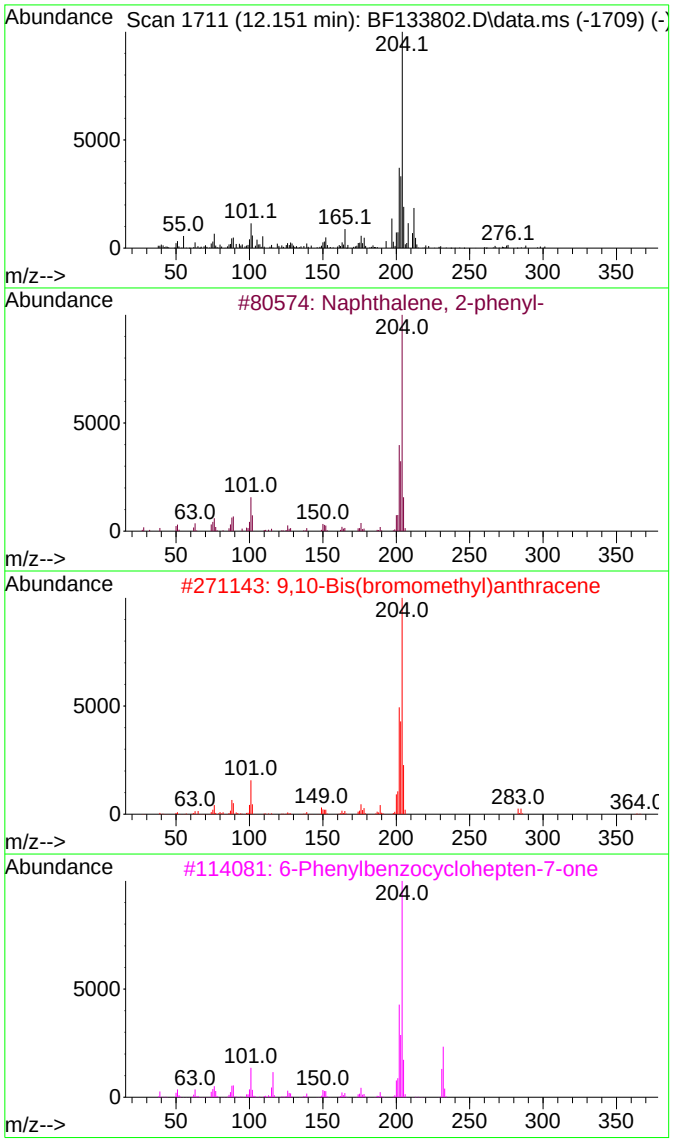
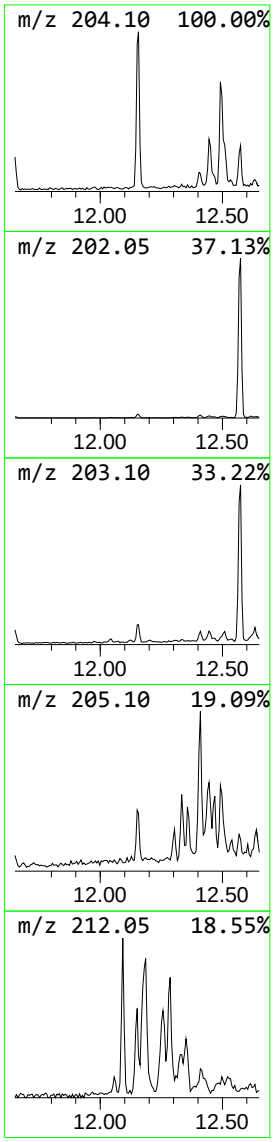
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	3.21 ng	93308	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	74
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 20 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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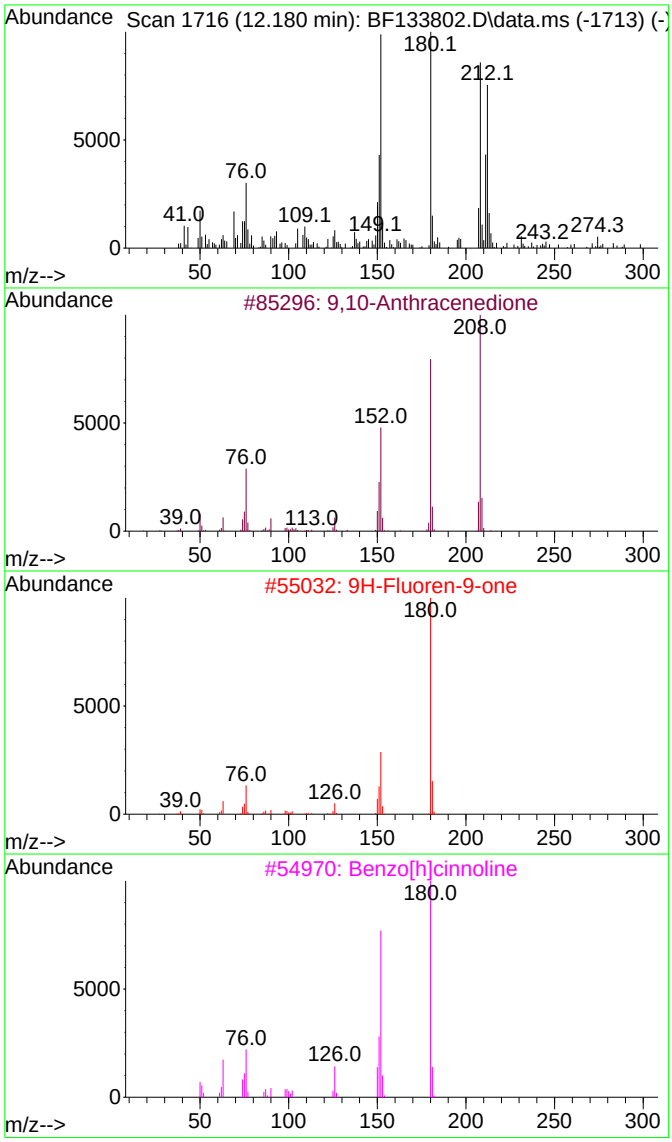
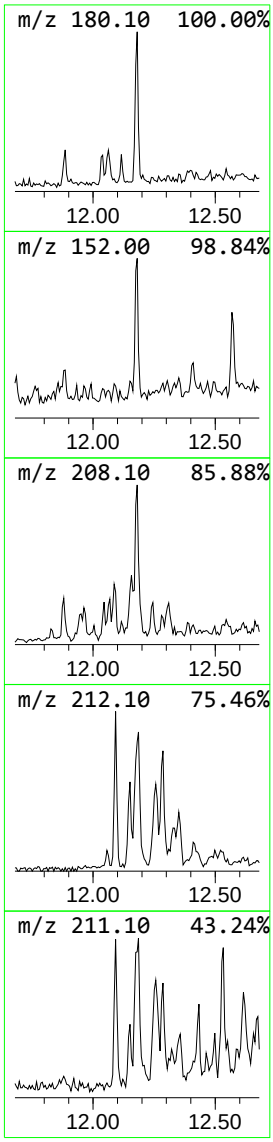
Peak Number 14 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.180	3.01 ng	87314	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	45





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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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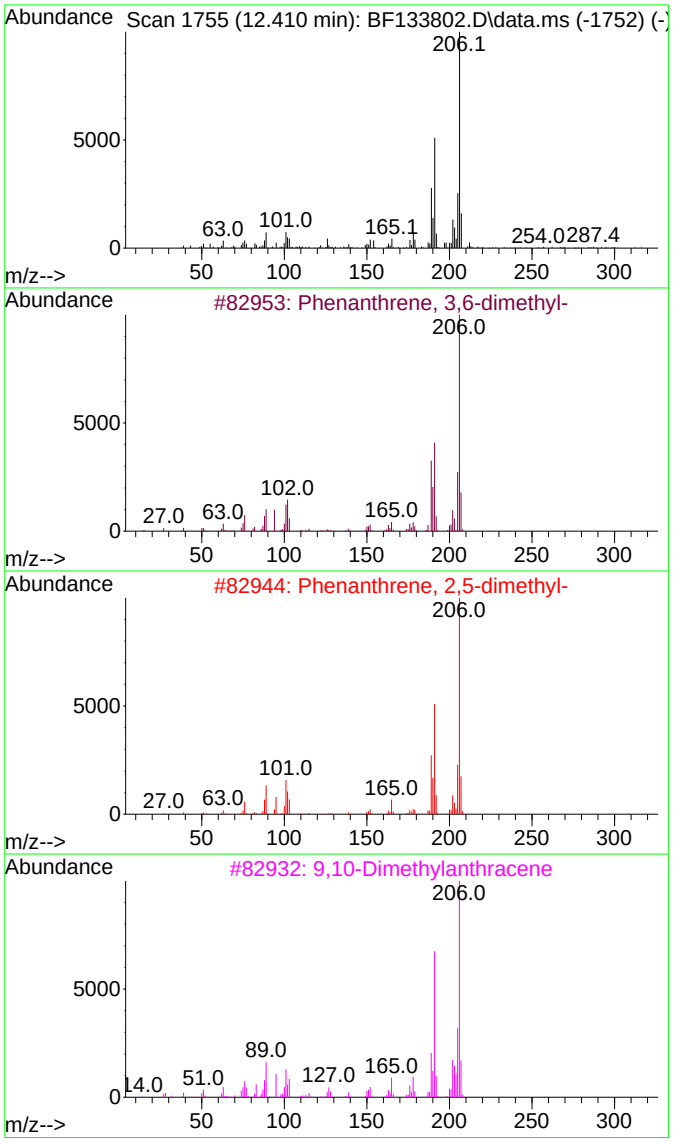
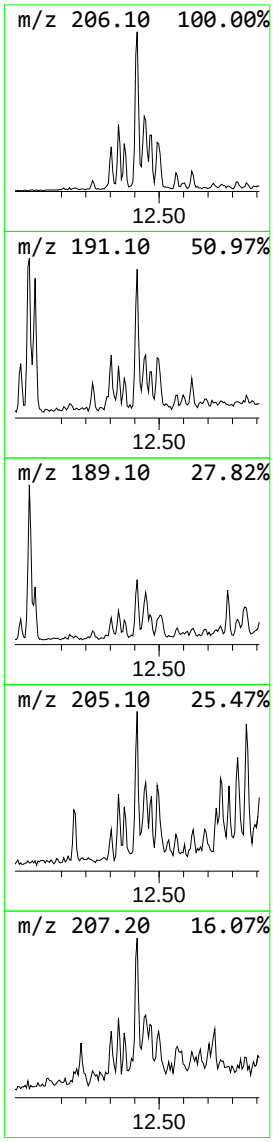
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	7.56 ng	219584	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	74





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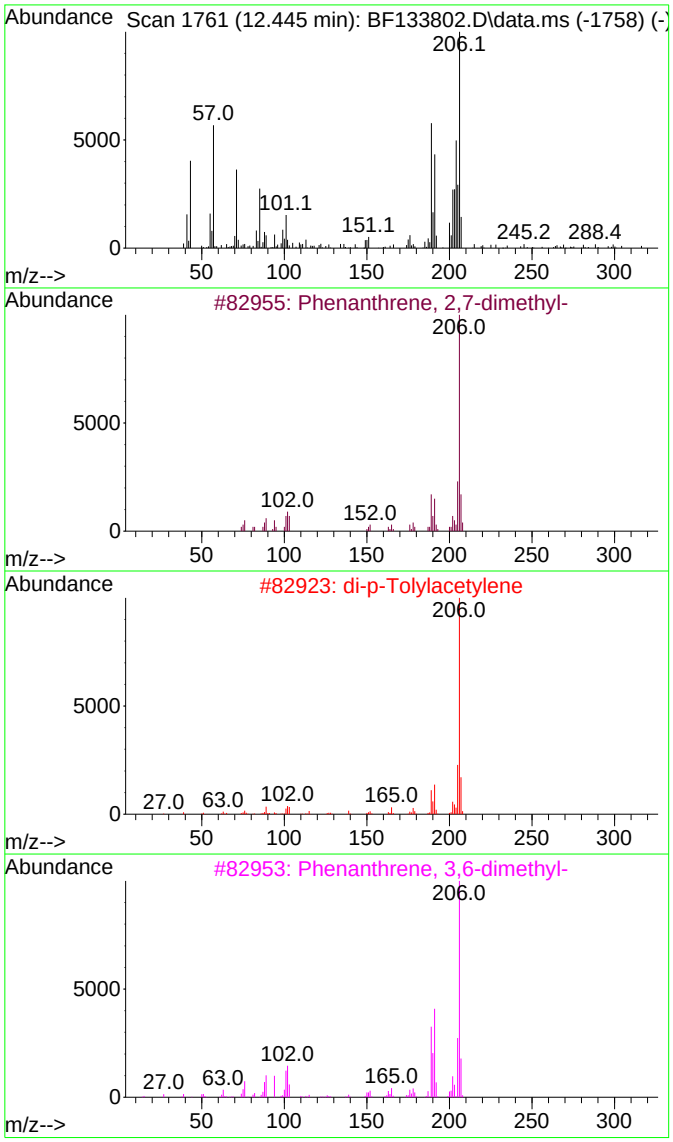
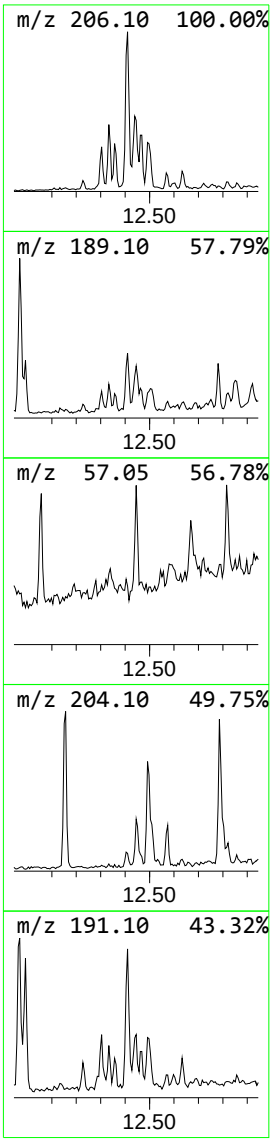
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	4.51 ng	130899	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	53
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46





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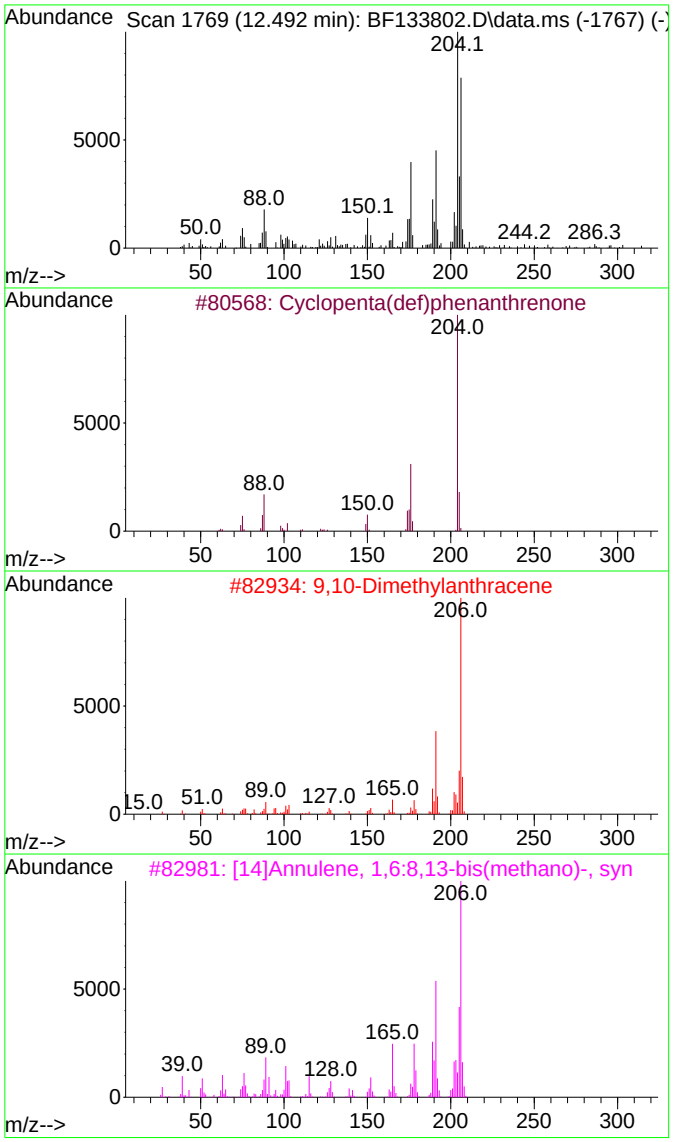
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

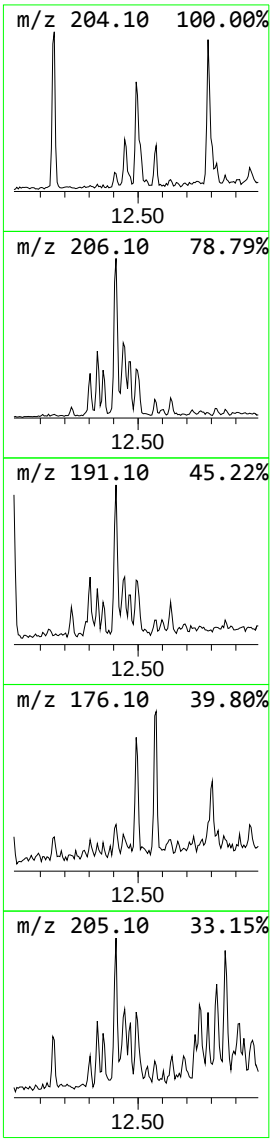
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	4.86 ng	140992	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	45
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	45





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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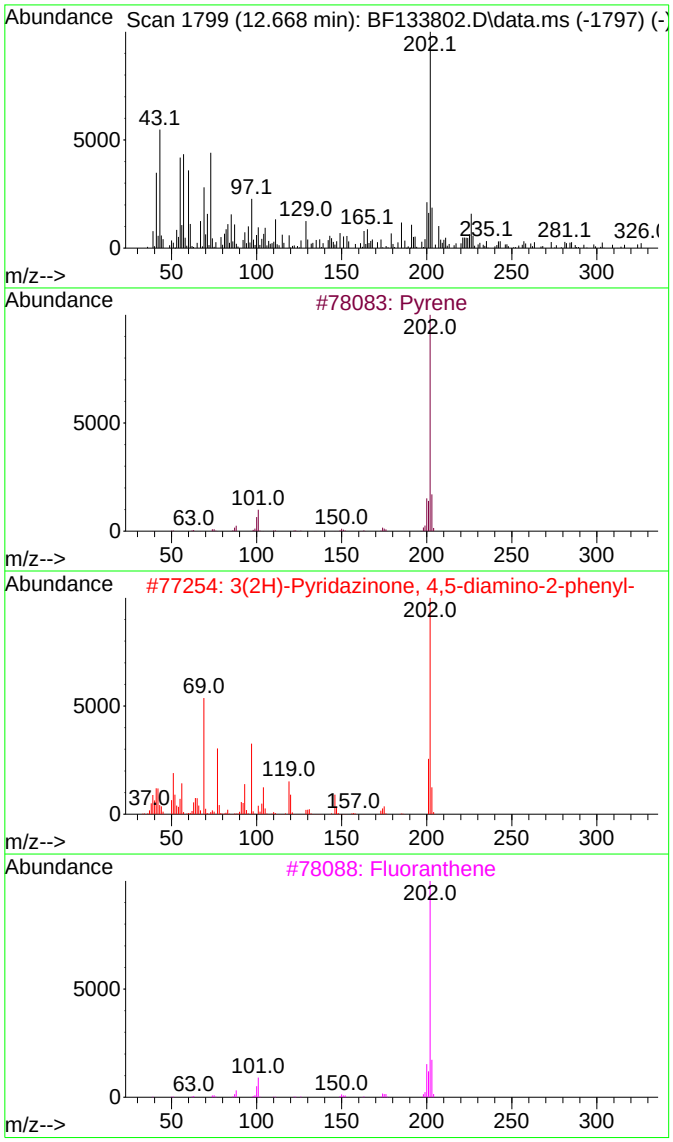
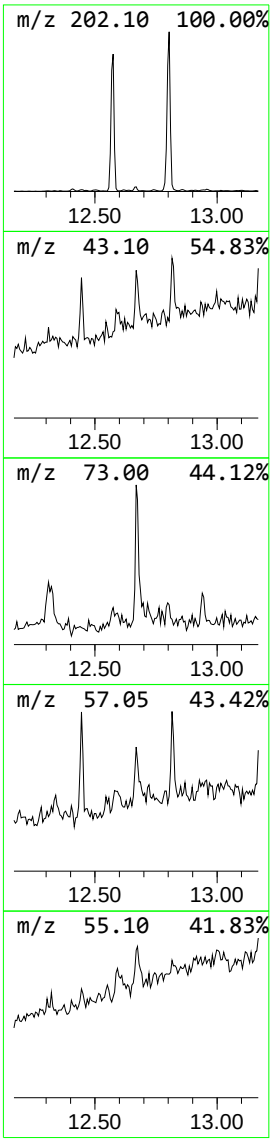
Peak Number 18 unknown12.669 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.669	2.84 ng	82475	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	43
2	3(2H)-Pyridazinone, 4,5-diamino-...	202	C10H10N4O	1000351-65-9	43
3	Fluoranthene	202	C16H10	000206-44-0	38
4	8-Hydroxyquinoline, trimethylsil...	217	C12H15NOSi	023111-13-9	38
5	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	38





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Data File : BF133802.D
Acq On : 16 Jun 2023 05:46
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

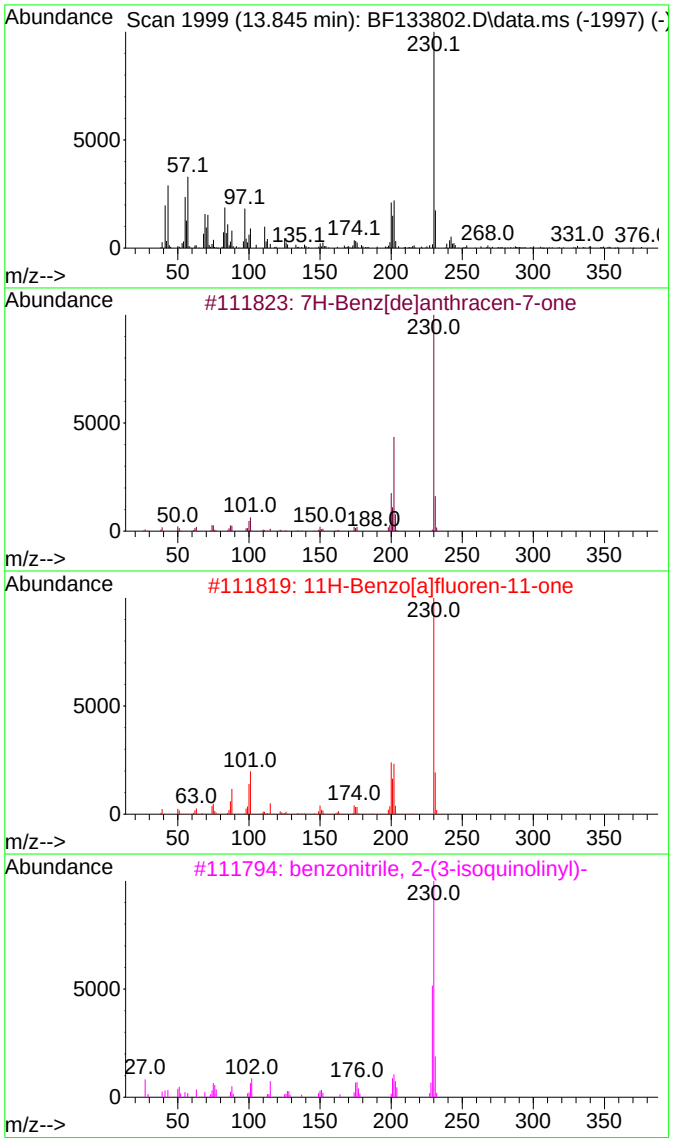
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

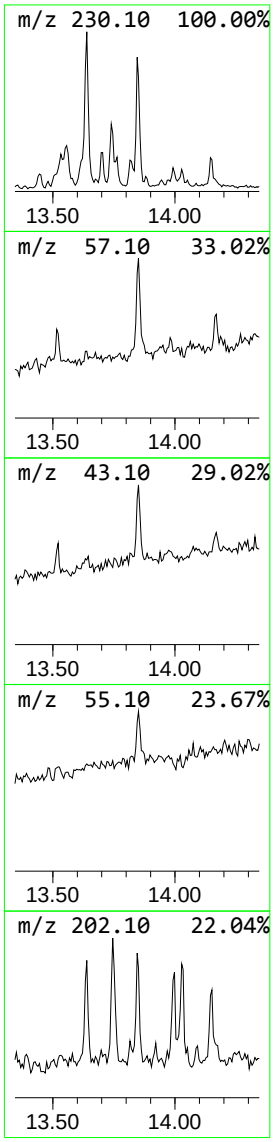
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	4.14 ng	224446	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	68
3	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	50
4	8-Hydroxyquinoline-5-carbaldehyd...	245	C13H15NO2Si	1010463-63-7	47
5	p-Terphenyl	230	C18H14	000092-94-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
Data File : BF133802.D
Acq On : 16 Jun 2023 05:46
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 20 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

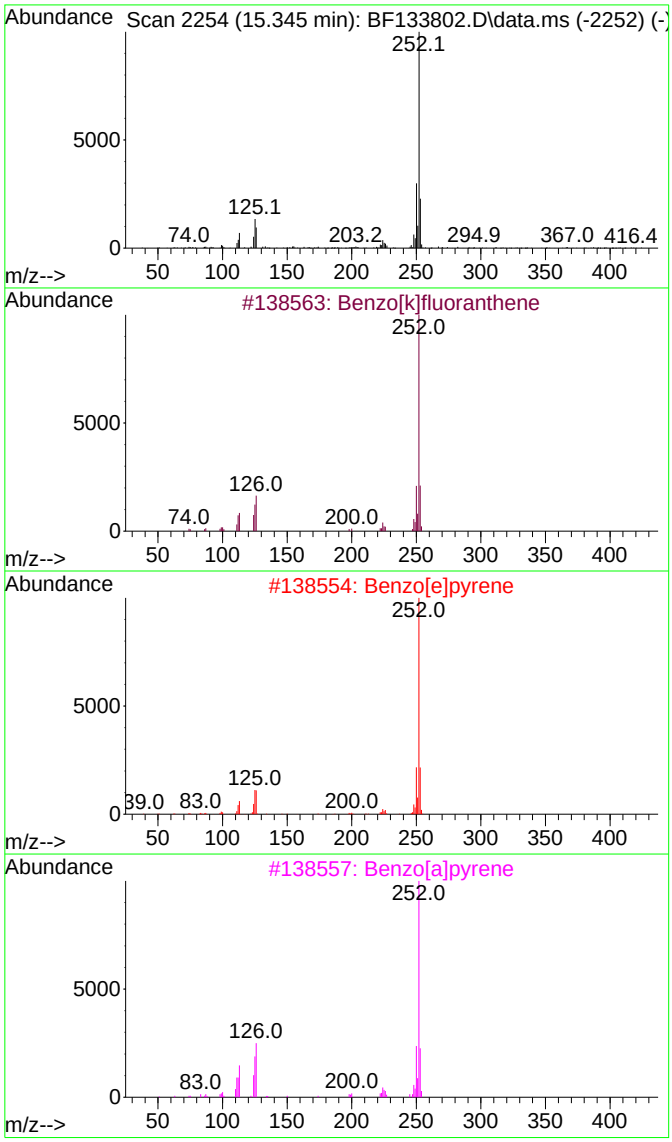
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

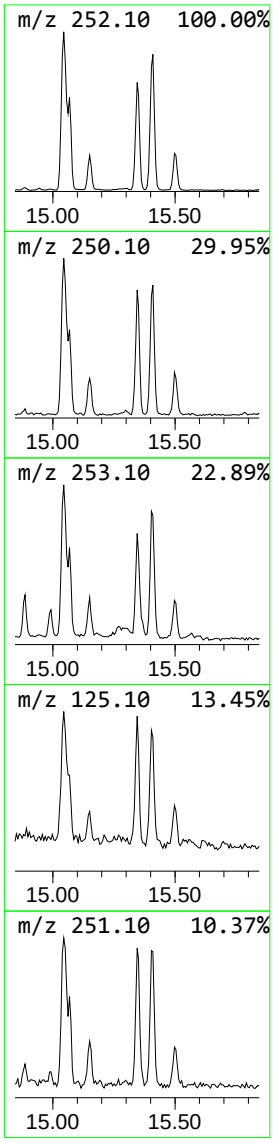
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.345	17.70 ng	338343	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
Data File : BF133802.D
Acq On : 16 Jun 2023 05:46
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 20 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
Methyl ethyl di...	4.987	2.9	ng	96537	1	6.828	657293	20.0
2-Pentanone, 4-...	5.051	4.5	ng	146803	1	6.828	657293	20.0
Diethyl disulfide	5.987	4.9	ng	161501	1	6.828	657293	20.0
Hexanoic acid, ...	7.492	3.9	ng	134618	2	8.110	686548	20.0
Benzophenone	10.580	4.7	ng	129169	3	9.869	549164	20.0
unknown10.780	10.780	4.0	ng	115967	4	11.357	580799	20.0
Phenanthrene, 2...	11.857	6.1	ng	177751	4	11.357	580799	20.0
Anthracene, 1-m...	11.880	15.4	ng	445816	4	11.357	580799	20.0
Phenanthrene, 1...	11.933	3.0	ng	85602	4	11.357	580799	20.0
4H-Cyclopenta[d...	11.969	8.9	ng	257660	4	11.357	580799	20.0
1H-Indene, 2-ph...	11.992	4.0	ng	116874	4	11.357	580799	20.0
Naphthalene, 2-...	12.151	3.2	ng	93308	4	11.357	580799	20.0
9,10-Anthracene...	12.180	3.0	ng	87314	4	11.357	580799	20.0
Phenanthrene, 3...	12.410	7.6	ng	219584	4	11.357	580799	20.0
Phenanthrene, 2...	12.445	4.5	ng	130899	4	11.357	580799	20.0
Cyclopenta(def)...	12.492	4.9	ng	140992	4	11.357	580799	20.0
unknown12.669	12.669	2.8	ng	82475	4	11.357	580799	20.0
7H-Benz[de]anth...	13.845	4.1	ng	224446	5	14.004	1084390	20.0
Benzo[e]pyrene	15.345	17.7	ng	338343	6	15.468	382203	20.0