LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-1

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135665.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.969	486	490	498	rBV	215350	307009	12.62%	1.407%
2	5.375	556	559	575	rBV	2363526	2405085	98.90%	11.024%
3	6.392	728	732	754	rBV	2174350	2431758	100.00%	11.146%
4	6.739	788	791	798	rBV	751314	658446	27.08%	3.018%
5	7.304	883	887	898	rBV	1667132	1537989	63.25%	7.050%
6	8.016	1005	1008	1010	rBV	998706	839671	34.53%	3.849%
7	8.039	1010	1012	1017	rVV	452879	383464	15.77%	1.758%
8	8.092	1019	1021	1029	rVB2	23978	32356	1.33%	0.148%
9	8.733	1127	1130	1135	rBV	195262	169768	6.98%	0.778%
10	8.828	1143	1146	1152	rVB	111997	109446	4.50%	0.502%
11	9.098	1187	1192	1195	rBV	2453106	2349097	96.60%	10.767%
12	9.216	1210	1212	1221	rVB2	42953	48898	2.01%	0.224%
13	9.363	1233	1237	1242	rBV2	35764	48593	2.00%	0.223%
14	9.433	1245	1249	1252	rBV3	54132	60821	2.50%	0.279%
15	9.463	1252	1254	1258	rVB2	32256	29345	1.21%	0.135%
16	9.551	1267	1269	1275	rVB3	28572	31902	1.31%	0.146%
17	9.639	1280	1284	1287	rBV2	30181	34021	1.40%	0.156%
18	9.775	1299	1307	1310	rBV	1085923	912372	37.52%	4.182%
19	9.804	1310	1312	1319	rVB	228737	207195	8.52%	0.950%
20	9.980	1339	1342	1346	rBV	168066	150018	6.17%	0.688%
21	10.327	1397	1401	1406	rBV	243307	212152	8.72%	0.972%
22	10.486	1425	1428	1431	rVB2	34105	32223	1.33%	0.148%
23	10.569	1438	1442	1448	rBV	1531784	1432950	58.93%	6.568%
24	10.692	1458	1463	1465	rBV2	48202	51633	2.12%	0.237%
25	10.880	1491	1495	1497	rBV2	27394	26724	1.10%	0.122%
26	11.133	1533	1538	1539	rBV3	17105	26038	1.07%	0.119%
27	11.163	1539	1543	1548	rVB2	108294	115039	4.73%	0.527%
28	11.269	1557	1561	1563	rBV	987464	825936	33.96%	3.786%
29	11.292	1563	1565	1569	rVV	840951	684480	28.15%	3.137%
30	11.345	1571	1574	1577	rVV	93646	98659	4.06%	0.452%
31	11.392	1579	1582	1586	rVB2	29250	42857	1.76%	0.196%
32	11.510	1599	1602	1608	rBV	115310	133378	5.48%	0.611%
33	11.774	1644	1647	1649	rBV	67095	54154	2.23%	0.248%
34	11.804	1649	1652	1657	rBV	283922	272343	11.20%	1.248%
35	11.886	1663	1666	1669	rBV	111667	106342	4.37%	0.487%
36	12.074	1695	1698	1702	rVB	41974	36580	1.50%	0.168%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.116	1702	1705	1709	rBV5	26544	25784	1.06%	0.118%
38	12.257	1726	1729	1732	rVB3	30995	32223	1.33%	0.148%
39	12.363	1745	1747	1753	rVB6	24178	24887	1.02%	0.114%
40	12.492	1766	1769	1772	rBV	533184	432339	17.78%	1.982%
41	12.527	1772	1775	1779	rVB2	88983	89478	3.68%	0.410%
42	12.592	1784	1786	1792	rVB5	35069	50048	2.06%	0.229%
43	12.645	1792	1795	1798	rBV4	33046	35169	1.45%	0.161%
44	12.721	1803	1808	1814	rVV	372941	390051	16.04%	1.788%
45	12.774	1815	1817	1822	rVB4	22984	31197	1.28%	0.143%
46	12.863	1827	1832	1836	rBV	1779872	1681828	69.16%	7.709%
47	12.945	1842	1846	1851	rVB4	23324	37613	1.55%	0.172%
48	13.033	1857	1861	1862	rBV3	26496	30434	1.25%	0.139%
49	13.057	1862	1865	1868	rVB	49974	52455	2.16%	0.240%
50	13.121	1874	1876	1879	rBV3	39122	42919	1.76%	0.197%
51	13.739	1978	1981	1985	rBV4	23926	48354	1.99%	0.222%
52	13.933	2009	2014	2017	rBV2	591999	662061	27.23%	3.035%
53	13.957	2017	2018	2023	rVB	132710	95332	3.92%	0.437%
54	14.398	2090	2093	2095	rBV2	28553	30564	1.26%	0.140%
55	14.980	2188	2192	2195	rBV	86048	128217	5.27%	0.588%
56	15.033	2199	2201	2206	rVB2	38063	42950	1.77%	0.197%
57	15.280	2240	2243	2248	rVB	50759	63791	2.62%	0.292%
58	15.345	2250	2254	2259	rVB	65121	82537	3.39%	0.378%
59	15.404	2259	2264	2272	rBV	439451	594514	24.45%	2.725%
60	15.845	2335	2339	2344	rBV2	30290	46763	1.92%	0.214%
61	16.904	2512	2519	2522	rBV3	27220	58052	2.39%	0.266%
62	17.356	2593	2596	2606	rVB4	19486	42375	1.74%	0.194%
63	17.480	2613	2617	2629	rVB4	29517	65933	2.71%	0.302%

Sum of corrected areas: 21816610

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
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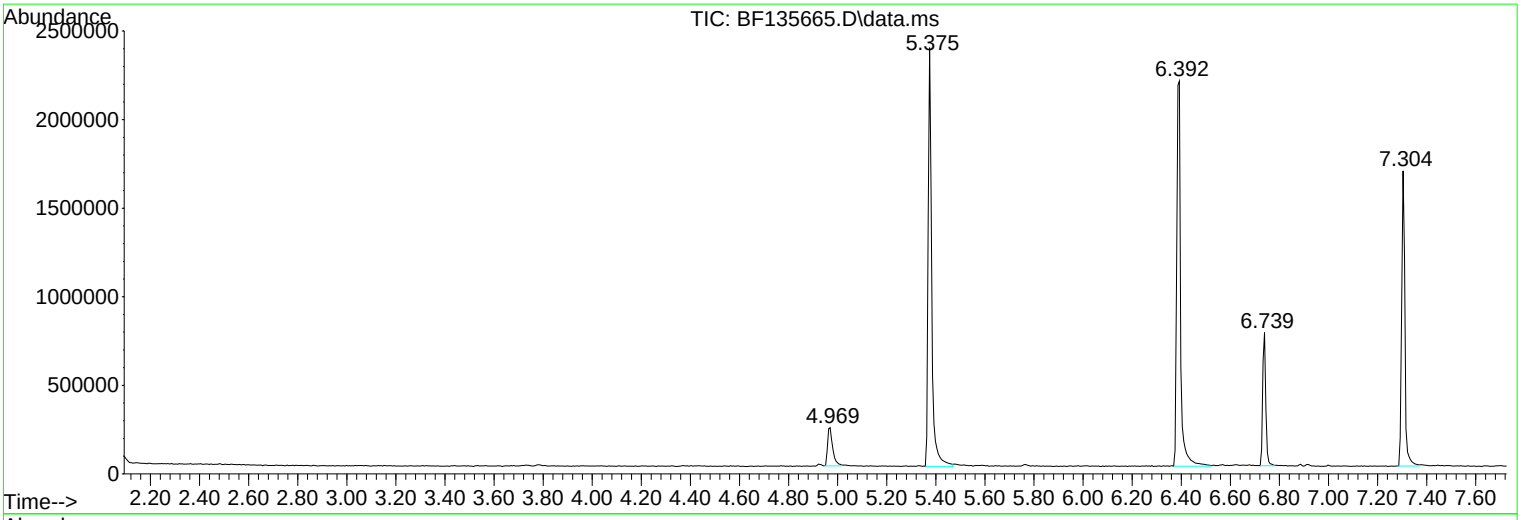
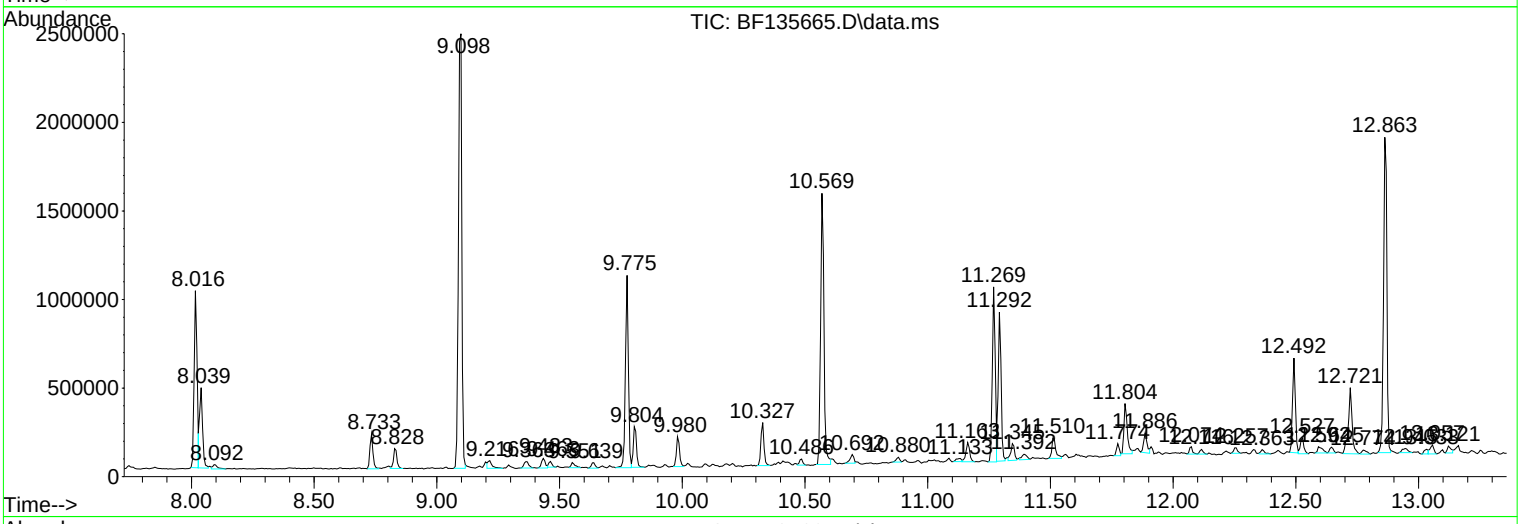
Misc :
ALS Vial : 12 Sample Multiplier: 1

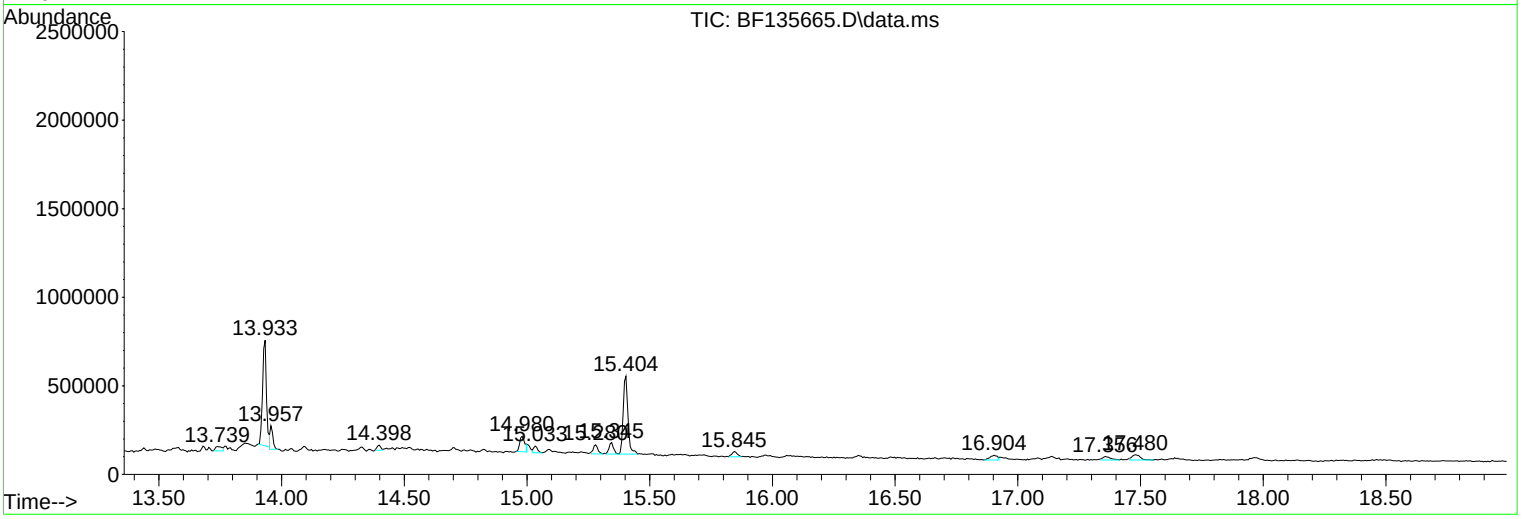
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
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Instrument :
BNA_F
ClientSampleId :
SOIL-1

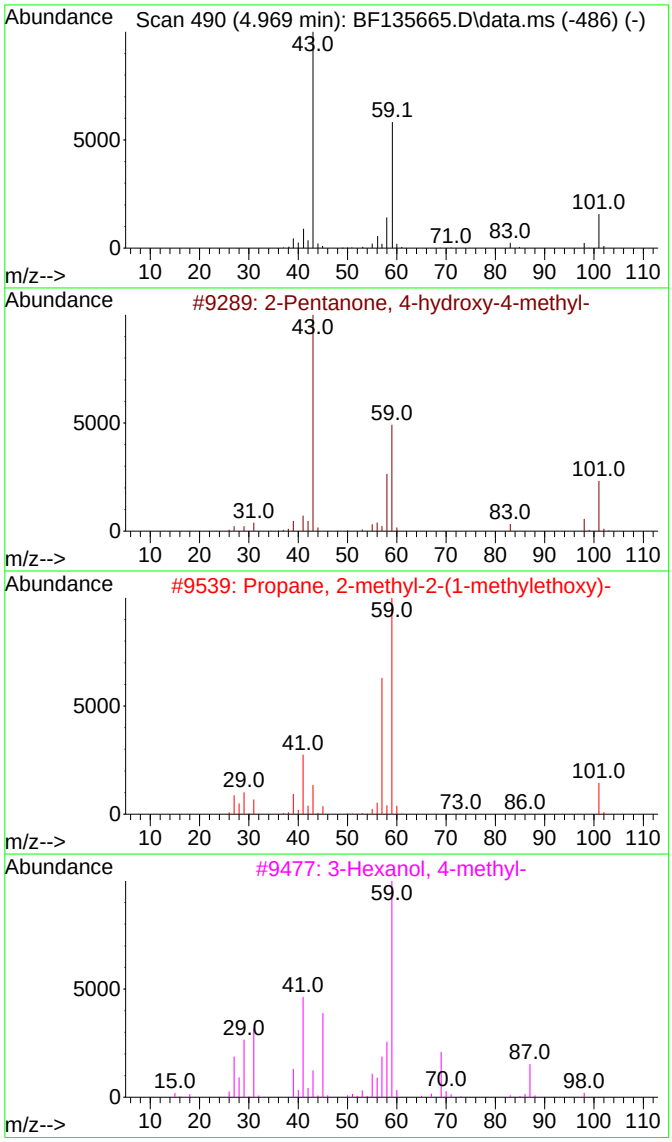
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

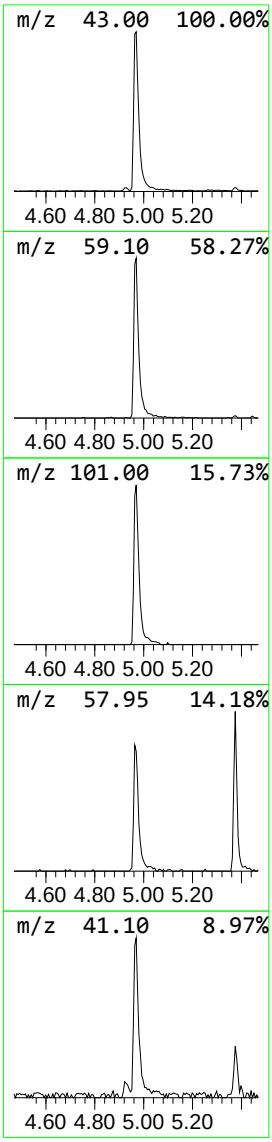
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.969	9.33 ng	307009	1,4-Dichlorobenzene-d4	6.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	3-Octanol	130	C8H18O	000589-98-0	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

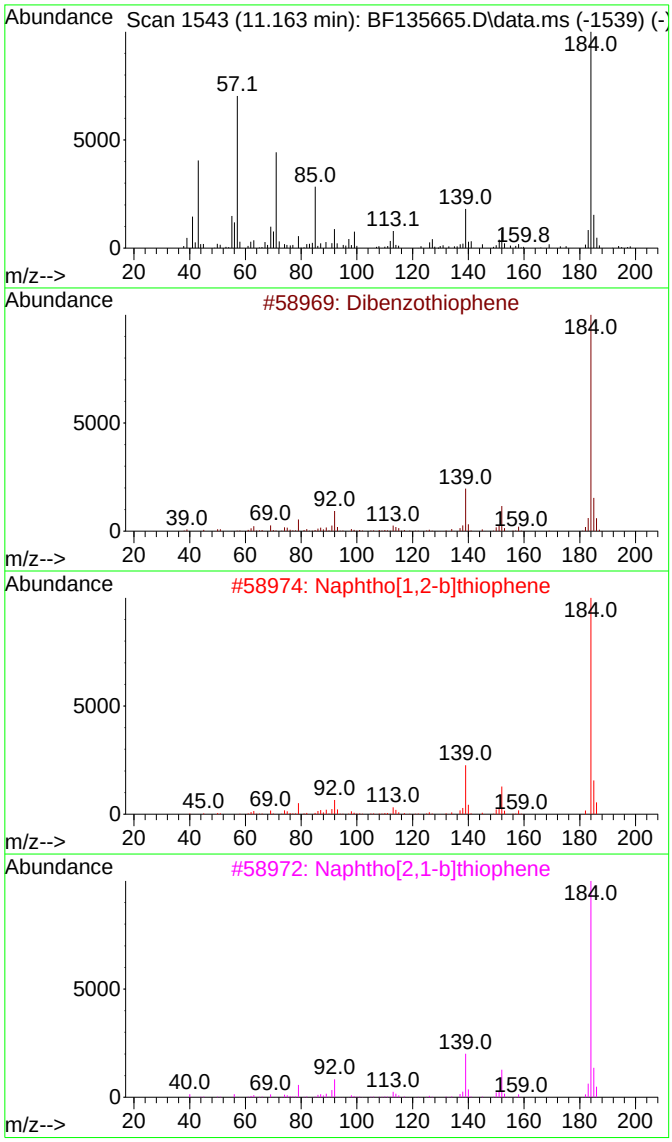
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

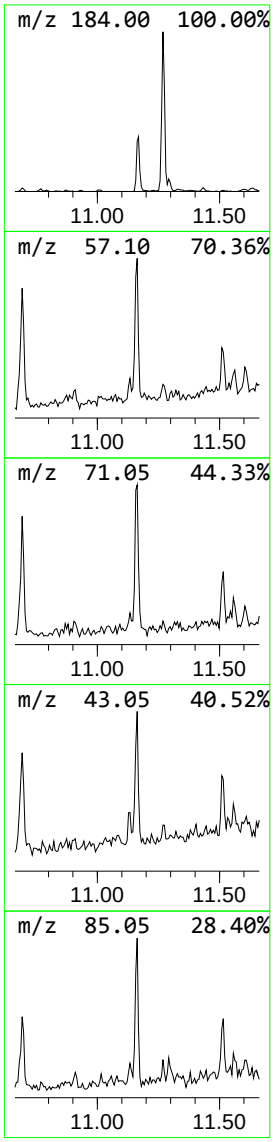
****

Peak Number 2 Dibenzothiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	2.79 ng	115039	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	78
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	60
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	60
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

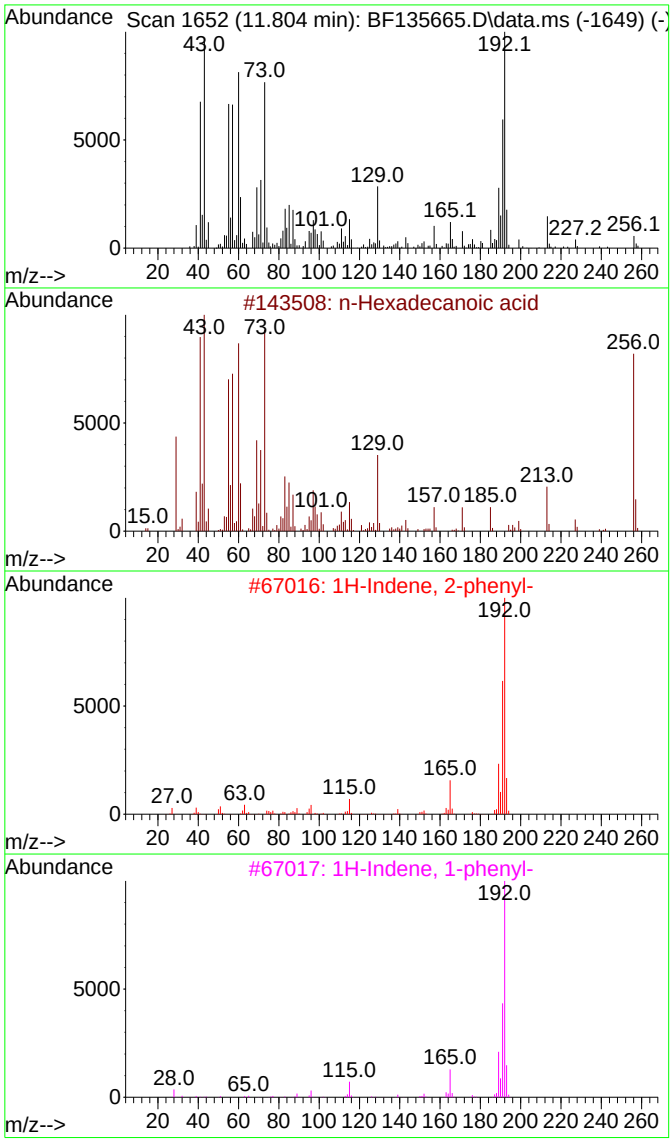
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

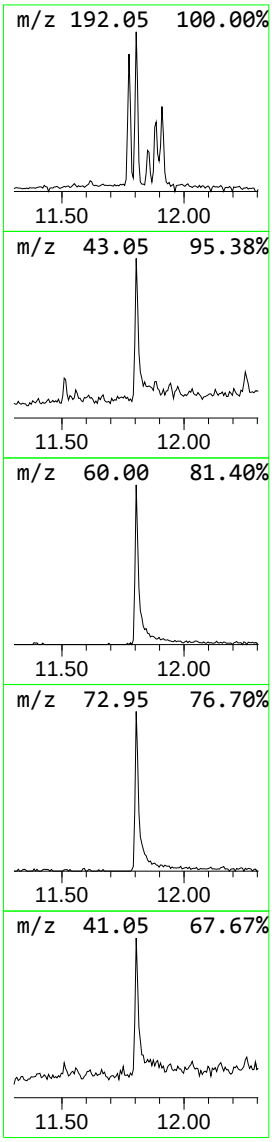
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	6.59 ng	272343	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
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Instrument :
BNA_F
ClientSampleId :
SOIL-1

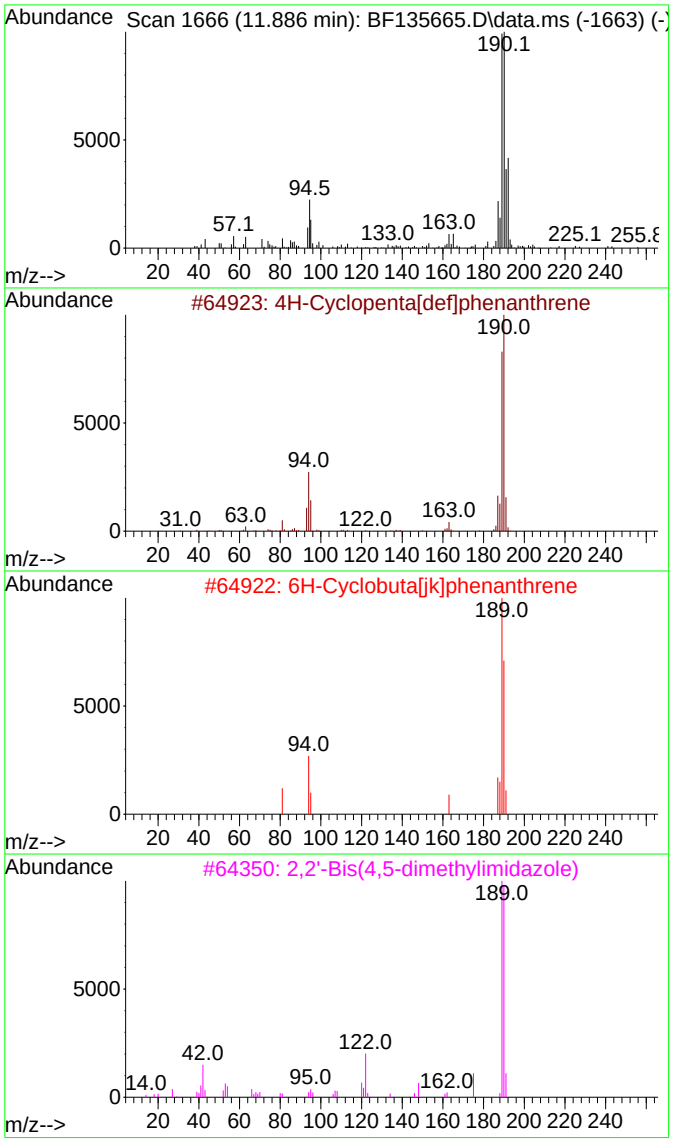
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

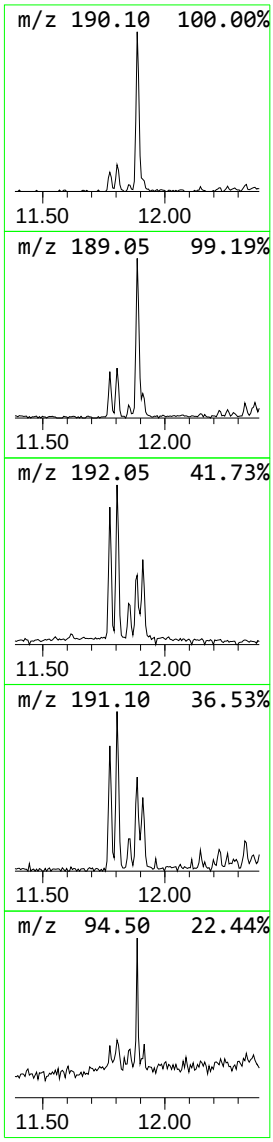
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	2.58 ng	106342	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	49
4	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	32
5	Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

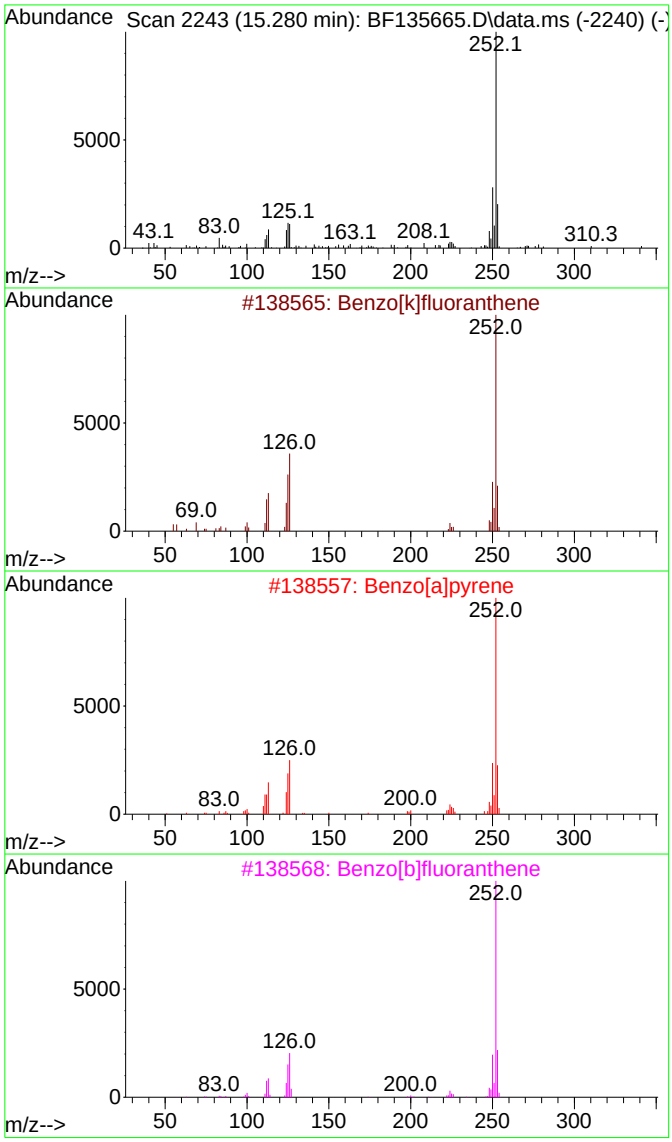
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

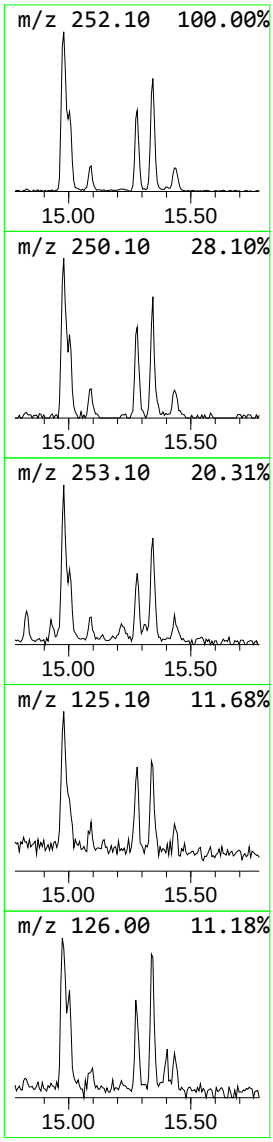
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	2.15 ng	63791	Perylene-d12	15.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
4	Benzo[e]pyrene	252	C20H12	000192-97-2	87
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

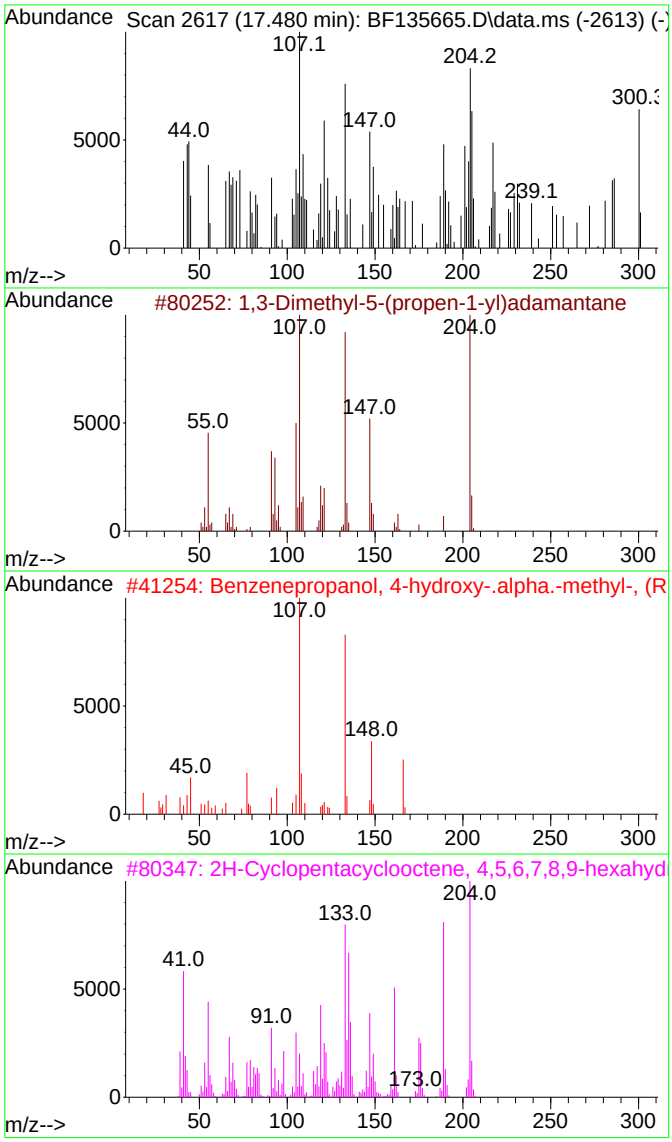
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

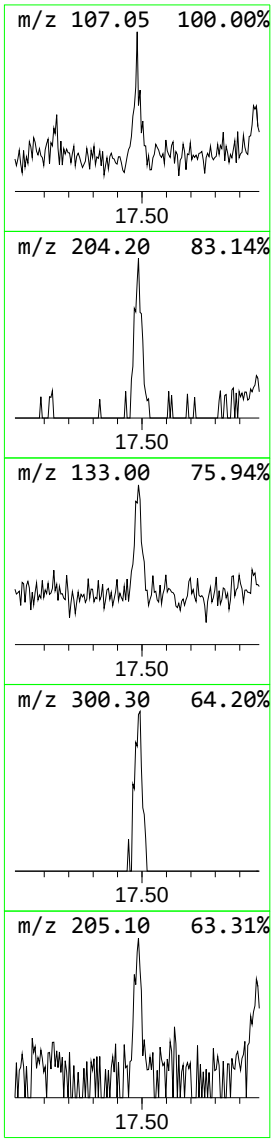
****

Peak Number 6 unknown17.480 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.480	2.22 ng	65933	Perylene-d12	15.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-5-(propen-1-yl)adam...	204	C15H24	057040-48-9	46
2	Benzenepropanol, 4-hydroxy-.alph...	166	C10H14O2	000501-96-2	22
3	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	18
4	6H-Benzofuro[3,2-c][1]benzopyran...	300	C17H16O5	003187-52-8	11
5	1,1,2-Tri(methylthio)pent-1-en-3...	204	C8H12S3	1000250-48-0	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135665.D
Acq On : 09 Oct 2023 22:43
Operator : CG\JU
Sample : 04778-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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
2-Pentanone, 4-...	4.969	9.3	ng	307009	1	6.739	658446	20.0
Dibenzothiophene	11.163	2.8	ng	115039	4	11.269	825936	20.0
n-Hexadecanoic ...	11.804	6.6	ng	272343	4	11.269	825936	20.0
4H-Cyclopenta[d...	11.886	2.6	ng	106342	4	11.269	825936	20.0
Benzo[e]pyrene	15.280	2.1	ng	63791	6	15.404	594514	20.0
unknown17.480	17.480	2.2	ng	65933	6	15.404	594514	20.0