LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
Data File : BF098048.D
Acq On : 25 Aug 2017 23:35
Operator : SJ/JU
Sample : I4938-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IRON-LEAF-TOPSOIL

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:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.928	480	483	492	rVB	170526	218291	8.73%	0.901%
2	5.345	549	554	557	rBV	2421788	2336554	93.41%	9.647%
3	6.375	724	729	742	rVB	2446820	2501408	100.00%	10.328%
4	6.510	747	752	755	rBV	2334507	2338281	93.48%	9.655%
5	6.739	787	791	794	rBV	935862	724796	28.98%	2.993%
6	6.898	813	818	821	rBV	1933864	1802271	72.05%	7.441%
7	7.304	882	887	890	rBV	1602380	1435928	57.40%	5.929%
8	8.022	1005	1009	1012	rBV	1071276	874078	34.94%	3.609%
9	9.098	1187	1192	1195	rBV	2637958	2239396	89.53%	9.246%
10	9.492	1255	1259	1267	rBV	291241	232062	9.28%	0.958%
11	9.633	1280	1283	1288	rBV	62704	50861	2.03%	0.210%
12	9.775	1303	1307	1310	rBV	873101	743431	29.72%	3.070%
13	10.210	1378	1381	1389	rVB2	46427	44515	1.78%	0.184%
14	10.316	1397	1399	1405	rVB	24395	27820	1.11%	0.115%
15	10.557	1436	1440	1454	rBV	1085264	990764	39.61%	4.091%
16	10.680	1458	1461	1466	rBV2	52957	56770	2.27%	0.234%
17	11.251	1555	1558	1561	rBV	680755	662648	26.49%	2.736%
18	11.274	1561	1562	1566	rVV	253732	188288	7.53%	0.777%
19	11.327	1566	1571	1575	rVB	106553	98523	3.94%	0.407%
20	11.486	1592	1598	1601	rBV2	30299	34972	1.40%	0.144%
21	11.757	1641	1644	1646	rBV	34250	34003	1.36%	0.140%
22	11.780	1646	1648	1652	rVB	50856	45010	1.80%	0.186%
23	11.827	1652	1656	1659	rBV2	28663	29247	1.17%	0.121%
24	11.863	1659	1662	1665	rBV	69519	72906	2.91%	0.301%
25	12.074	1696	1698	1701	rVB2	26884	25627	1.02%	0.106%
26	12.304	1734	1737	1740	rBV2	42184	42184	1.69%	0.174%
27	12.345	1740	1744	1745	rVV2	26321	35031	1.40%	0.145%
28	12.386	1748	1751	1756	rVV	42718	43649	1.74%	0.180%
29	12.463	1760	1764	1768	rBV	597064	495074	19.79%	2.044%
30	12.616	1783	1790	1791	rBV3	25337	40426	1.62%	0.167%
31	12.692	1797	1803	1806	rBV	557909	580119	23.19%	2.395%
32	12.739	1809	1811	1816	rVB3	24004	32466	1.30%	0.134%
33	12.810	1820	1823	1824	rBV2	34740	28730	1.15%	0.119%
34	12.839	1824	1828	1832	rVV	1842518	1680725	67.19%	6.940%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.910	1835	1840	1844	rBV2	46584	79629	3.18%	0.329%
36	13.015	1851	1858	1862	rBV2	82907	127536	5.10%	0.527%
37	13.086	1867	1870	1872	rVB	55133	50181	2.01%	0.207%
38	13.121	1872	1876	1879	rBV	84010	87943	3.52%	0.363%
39	13.215	1889	1892	1894	rVB	45711	38974	1.56%	0.161%
40	13.245	1894	1897	1899	rBV	51516	49376	1.97%	0.204%
41	13.527	1942	1945	1949	rVB	44591	54894	2.19%	0.227%
42	13.663	1966	1968	1970	rBV	42032	34238	1.37%	0.141%
43	13.686	1970	1972	1977	rVV2	51783	63443	2.54%	0.262%
44	13.739	1977	1981	1989	rVB3	219095	270158	10.80%	1.115%
45	13.886	2001	2006	2009	rBV2	853247	1046533	41.84%	4.321%
46	13.910	2009	2010	2013	rVB	245851	164410	6.57%	0.679%
47	13.992	2022	2024	2027	rBV	60020	47575	1.90%	0.196%
48	14.904	2175	2179	2186	rBV	245664	457989	18.31%	1.891%
49	15.186	2225	2227	2232	rVB	161436	182645	7.30%	0.754%
50	15.245	2234	2237	2243	rBV	196214	249053	9.96%	1.028%
51	15.309	2244	2248	2251	rBV	358764	427844	17.10%	1.767%

Sum of corrected areas: 24219275

LSC Report - Integrated Chromatogram

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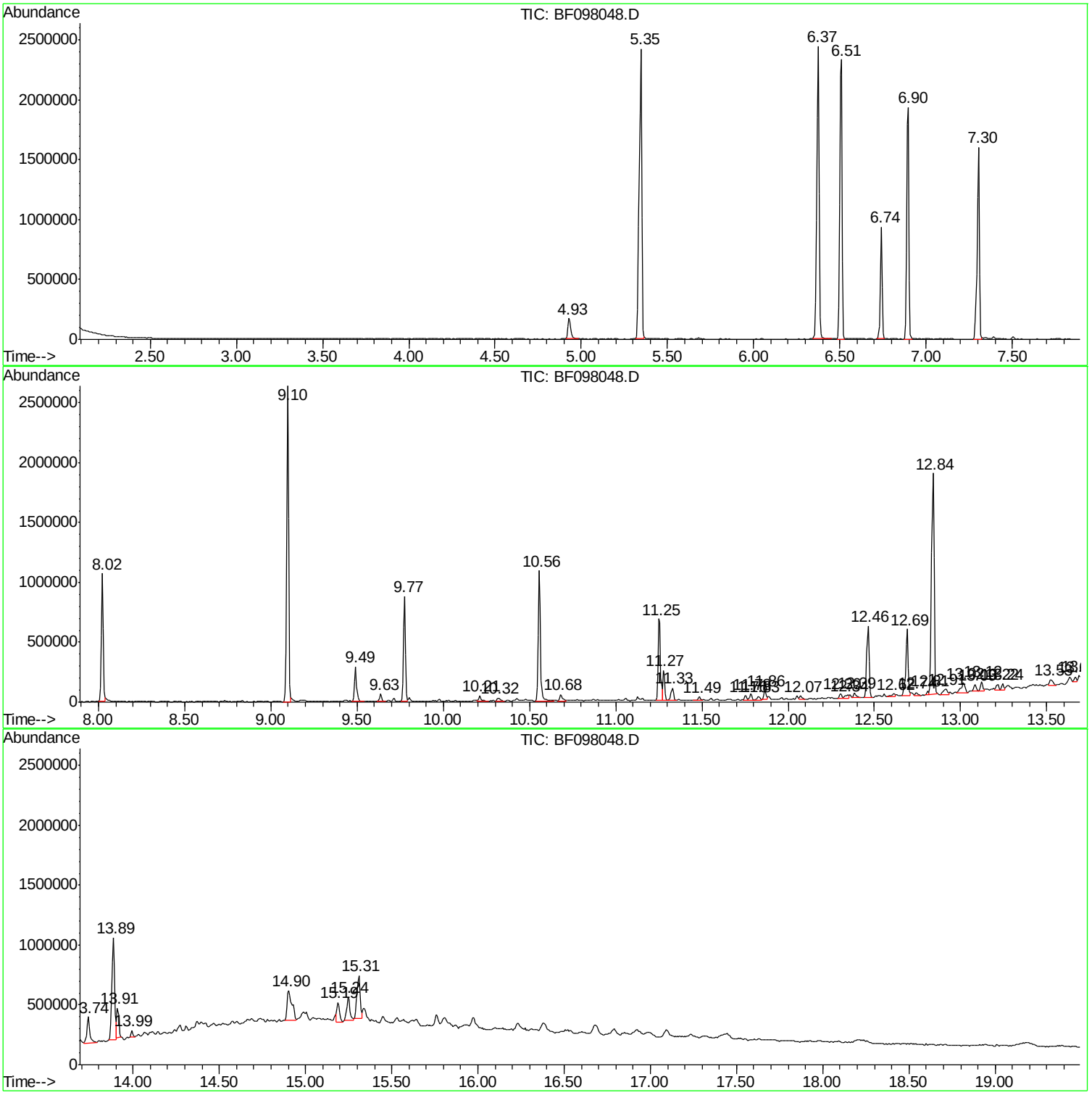
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : BF098048.D
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Operator : SJ/JU
Sample : I4938-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IRON-LEAF-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

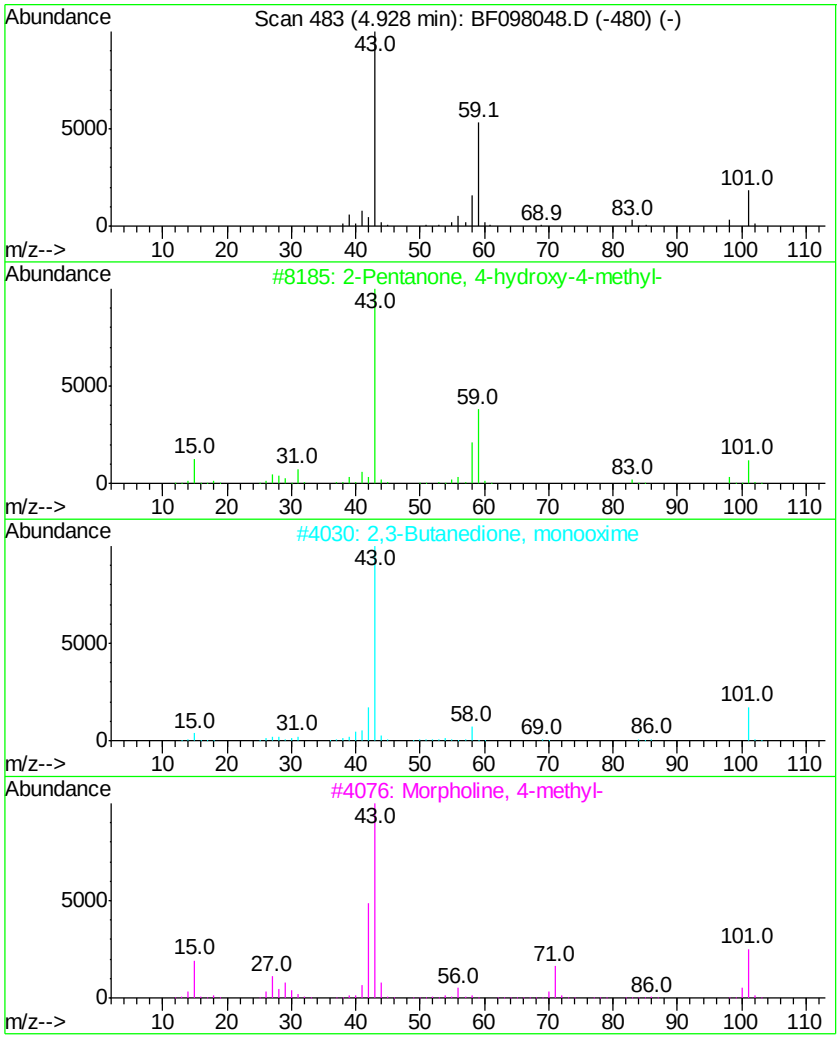
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

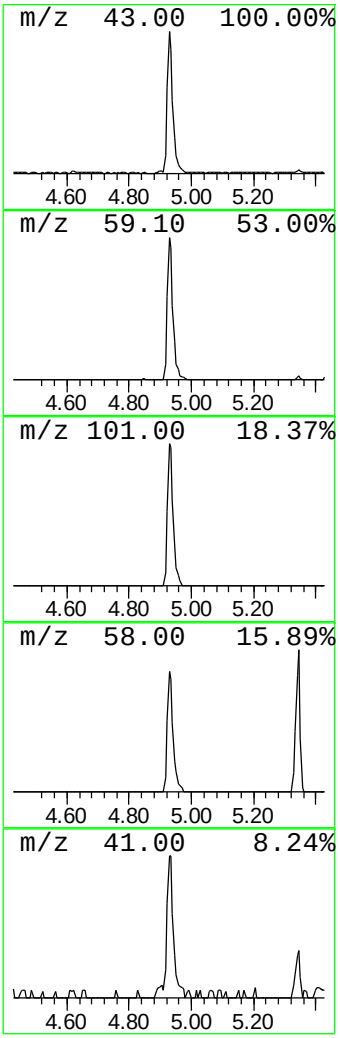
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	6.02 ng	218291	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





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Sample : I4938-01
Misc :
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Instrument : BNA_F
ClientSampleId : IRON-LEAF-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

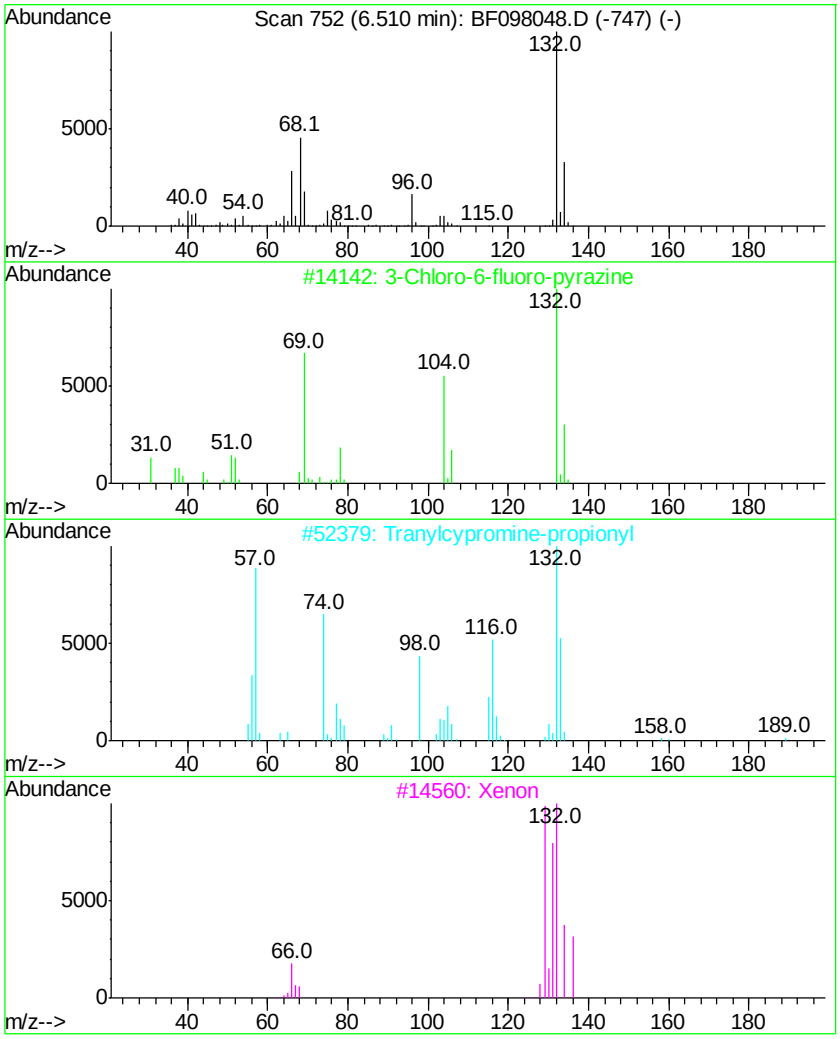
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

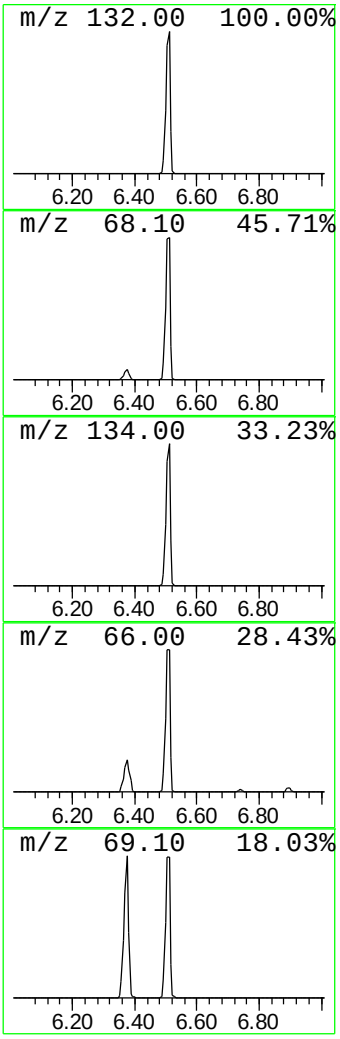
****

Peak Number 2 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	64.52 ng	2338280	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Xenon	132	Xe	007440-63-3	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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TIC Library : C:\DATABASE\NIST11.L
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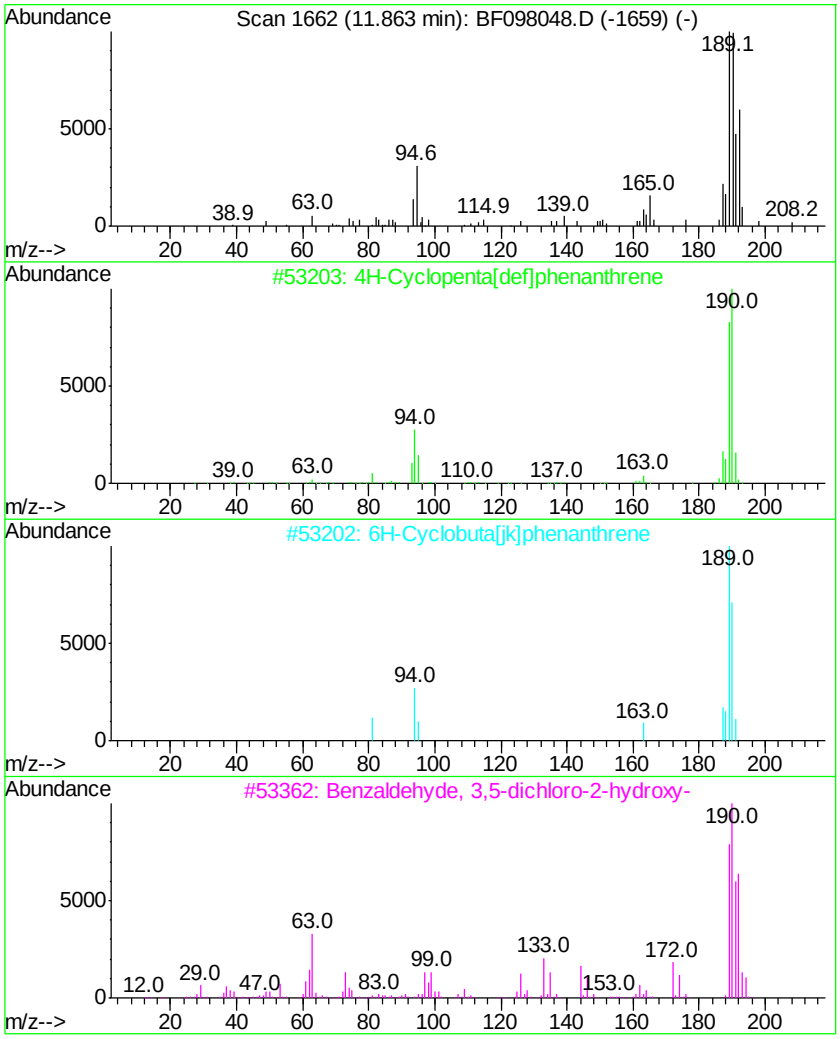
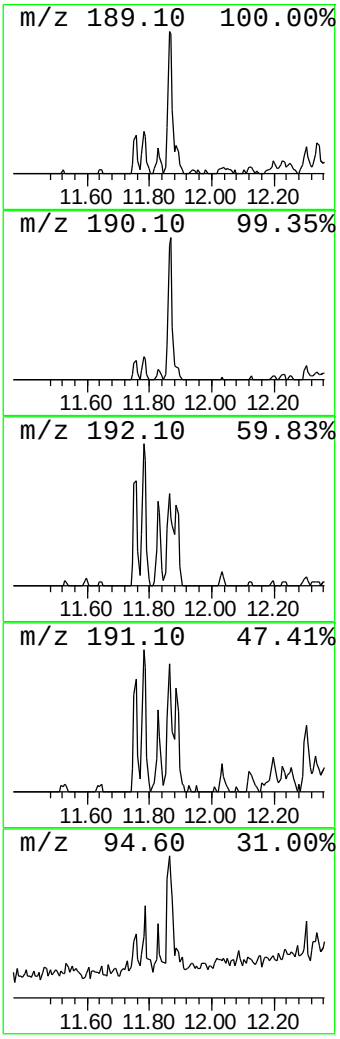
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.20 ng	72906	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	47
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42





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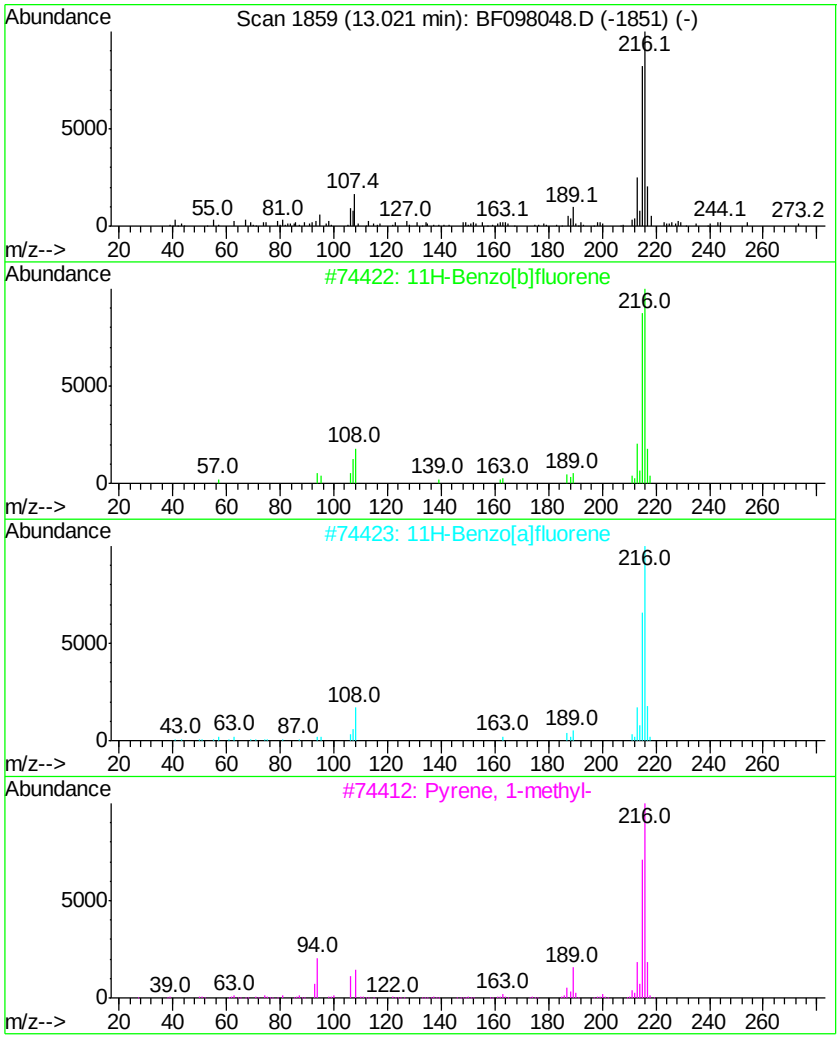
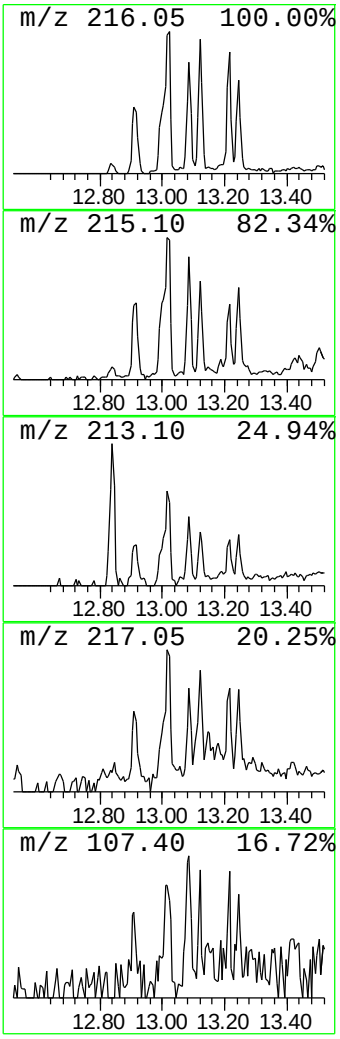
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.44 ng	127536	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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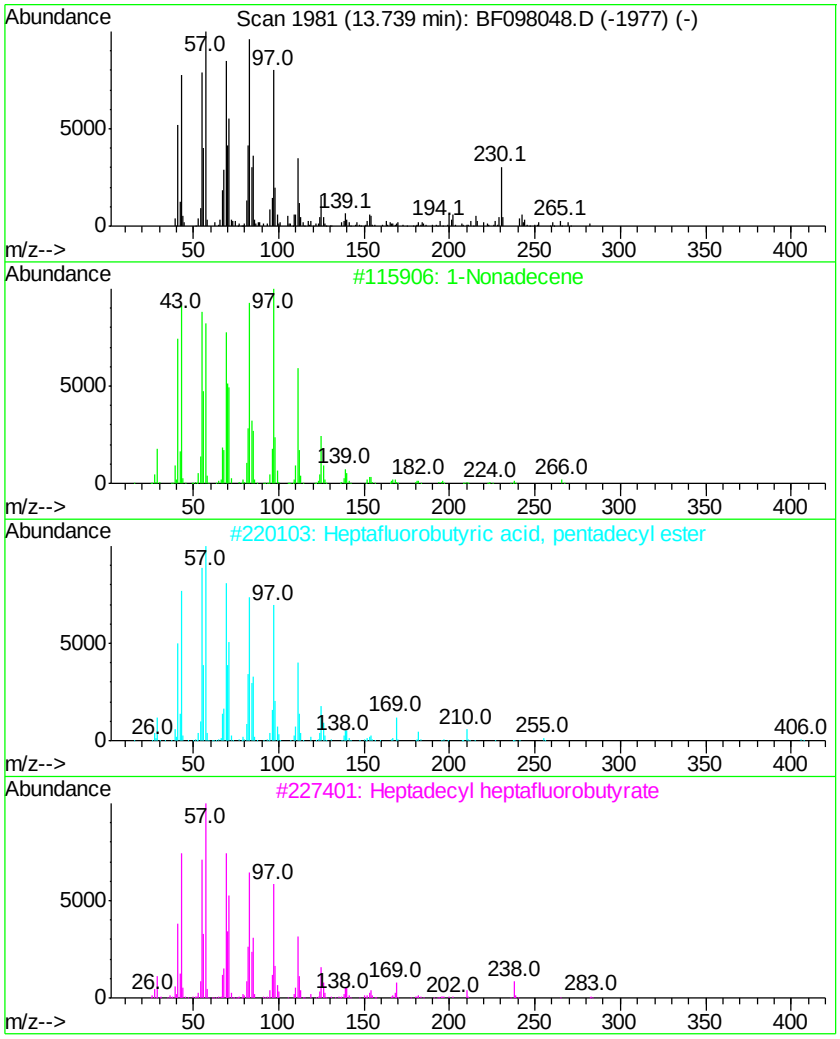
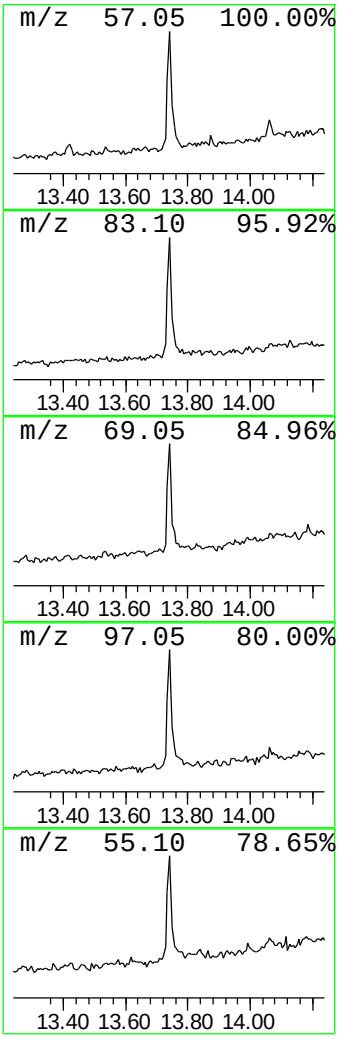
****

Peak Number 6 1-Nonadecene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	5.16 ng	270158	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	98
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	91





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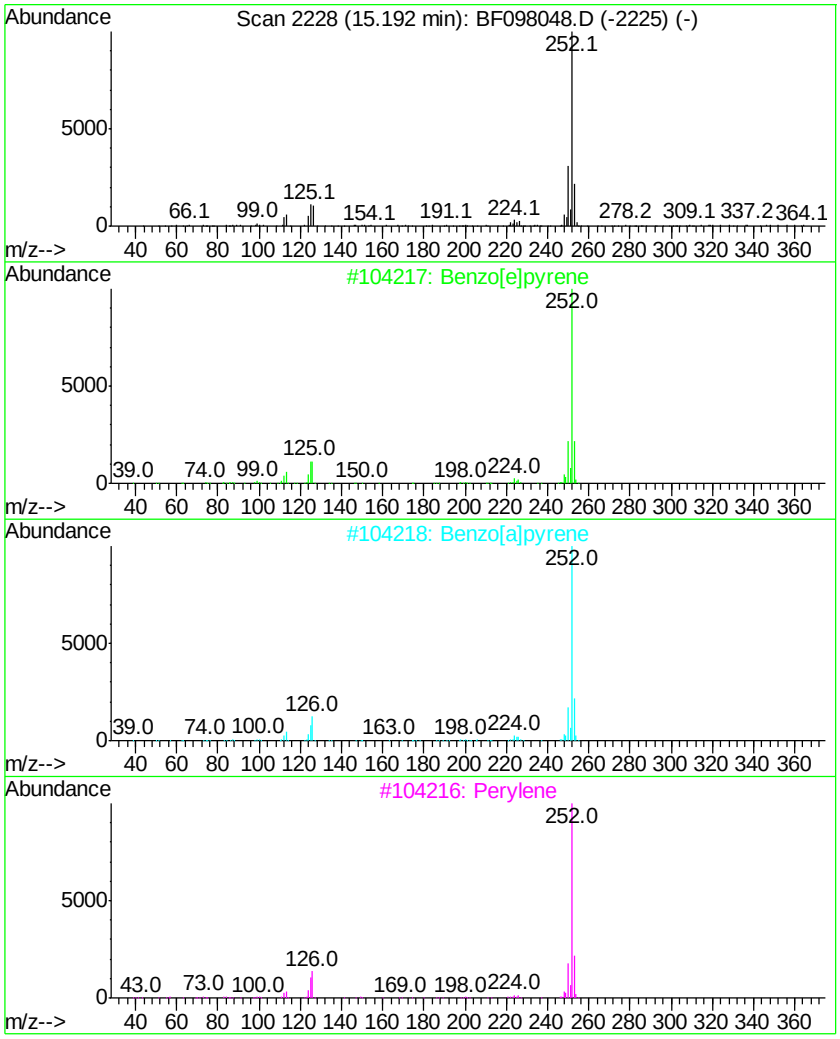
TIC Integration Parameters: LSCINT.P

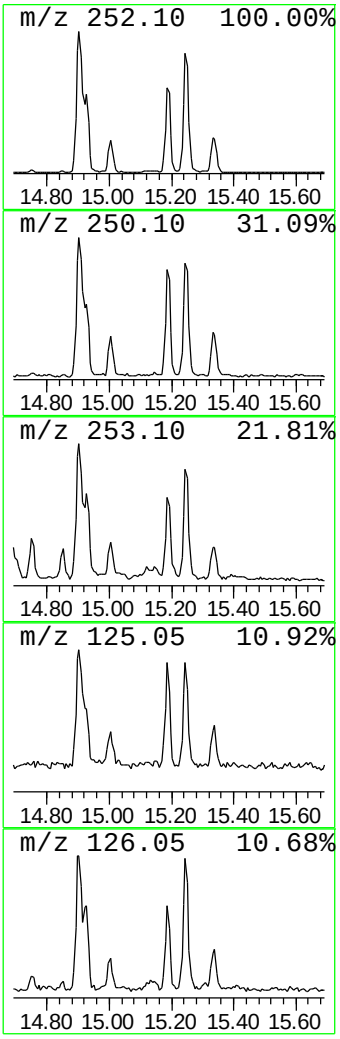
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	8.54 ng	182645	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Perylene	252	C20H12	000198-55-0	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.93	6.0	ng	218291	1	6.74	724796	20.0
unknown6.51	6.51	64.5	ng	2338280	1	6.74	724796	20.0
4H-Cyclopenta[def...	11.86	2.2	ng	72906	4	11.25	662648	20.0
11H-Benzo[b]fluorene	13.02	2.4	ng	127536	5	13.89	1046530	20.0
1-Nonadecene	13.74	5.2	ng	270158	5	13.89	1046530	20.0
Benzo[e]pyrene	15.19	8.5	ng	182645	6	15.31	427844	20.0