LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101039.D
Acq On : 1 Dec 2017 1:06
Operator : SJ/JU
Sample : I6618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-1(0-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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	4.457	400	403	415	rBV	103236	118929	10.32%	1.109%
2	5.075	503	508	520	rBV	308032	350001	30.36%	3.263%
3	5.475	572	576	587	rBV	859117	741557	64.32%	6.914%
4	6.487	743	748	756	rBV	1100295	1083551	93.98%	10.102%
5	6.622	767	771	774	rBV	1143735	993960	86.21%	9.267%
6	6.851	807	810	814	rBV	448162	367859	31.91%	3.430%
7	7.010	833	837	840	rBV	1018226	832466	72.21%	7.761%
8	7.416	901	906	909	rBV	692978	670441	58.15%	6.251%
9	8.134	1024	1028	1032	rBV	582483	472208	40.96%	4.403%
10	9.210	1206	1211	1214	rBV	1433617	1152905	100.00%	10.749%
11	9.604	1274	1278	1280	rBV	37139	33141	2.87%	0.309%
12	9.751	1300	1303	1307	rBB	19512	14466	1.25%	0.135%
13	9.810	1309	1313	1316	rBV	17505	14986	1.30%	0.140%
14	9.892	1323	1327	1331	rBV	563317	487285	42.27%	4.543%
15	10.310	1391	1398	1401	rBV	21845	18612	1.61%	0.174%
16	10.681	1458	1461	1467	rBV	200057	183022	15.87%	1.706%
17	10.786	1475	1479	1483	rBV	15216	17421	1.51%	0.162%
18	11.380	1576	1580	1582	rBV	514466	424268	36.80%	3.956%
19	11.404	1582	1584	1587	rVV	103600	78036	6.77%	0.728%
20	11.451	1590	1592	1595	rVB	21487	17352	1.51%	0.162%
21	11.880	1659	1665	1667	rBV	16683	15056	1.31%	0.140%
22	11.910	1667	1670	1673	rVB	19067	17144	1.49%	0.160%
23	11.992	1680	1684	1686	rBV2	20462	20185	1.75%	0.188%
24	12.592	1782	1786	1789	rBV	211559	165683	14.37%	1.545%
25	12.822	1819	1825	1828	rBV	170354	167051	14.49%	1.557%
26	12.963	1845	1849	1852	rBV	944431	784821	68.07%	7.317%
27	13.039	1857	1862	1866	rBV3	11474	20087	1.74%	0.187%
28	13.151	1878	1881	1884	rVB	20633	19658	1.71%	0.183%
29	13.251	1894	1898	1902	rBV2	15966	17403	1.51%	0.162%
30	13.663	1964	1968	1976	rVB	18944	20070	1.74%	0.187%
31	13.769	1982	1986	1989	rBV	15919	18253	1.58%	0.170%
32	13.845	1997	1999	2001	rBV3	29641	29180	2.53%	0.272%
33	13.869	2001	2003	2006	rVB	22603	19831	1.72%	0.185%
34	14.021	2024	2029	2032	rBV2	453407	478533	41.51%	4.462%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : ENV-106-1(0-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.045	2032	2033	2041	rVB	105765	78470	6.81%	0.732%
36	14.410	2090	2095	2097	rVB	21662	21894	1.90%	0.204%
37	14.492	2104	2109	2110	rBV5	9414	15362	1.33%	0.143%
38	15.063	2202	2206	2209	rBV	96133	132717	11.51%	1.237%
39	15.174	2221	2225	2229	rVB	21139	23277	2.02%	0.217%
40	15.368	2254	2258	2265	rVB	50275	64344	5.58%	0.600%
41	15.433	2265	2269	2274	rVB	72604	85550	7.42%	0.798%
42	15.498	2275	2280	2283	rBV	238115	298273	25.87%	2.781%
43	16.974	2525	2531	2538	rVB2	35061	63359	5.50%	0.591%
44	17.151	2555	2561	2565	rBV7	7503	15086	1.31%	0.141%
45	17.421	2601	2607	2616	rVB	29334	61836	5.36%	0.577%

Sum of corrected areas: 10725589

LSC Report - Integrated Chromatogram

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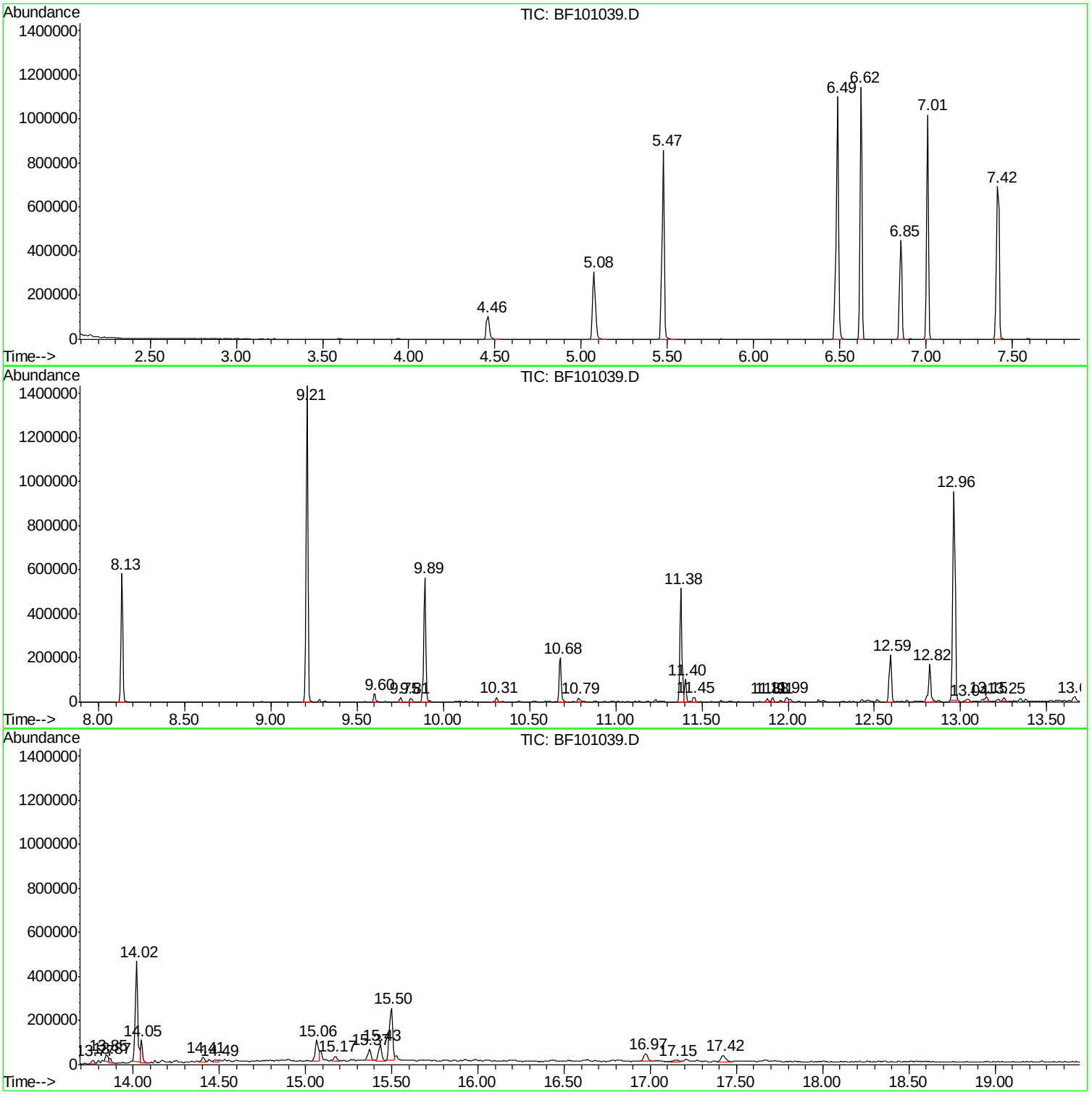
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101039.D
Acq On : 1 Dec 2017 1:06
Operator : SJ/JU
Sample : I6618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

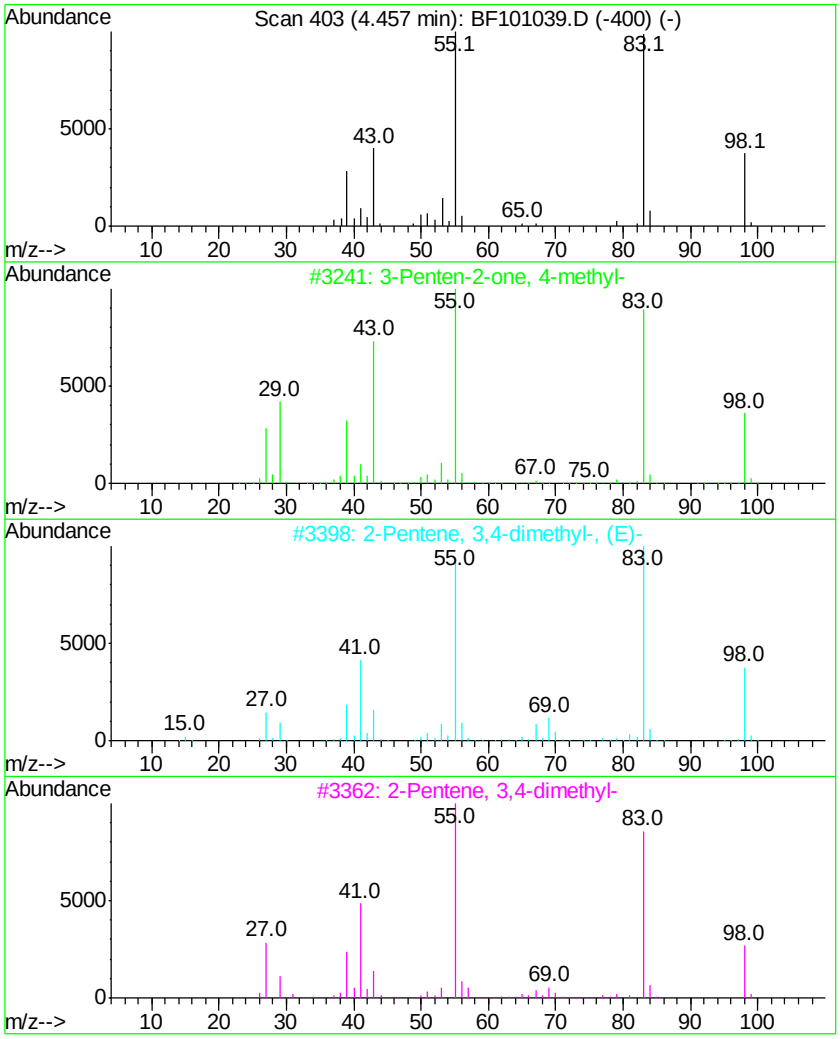
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

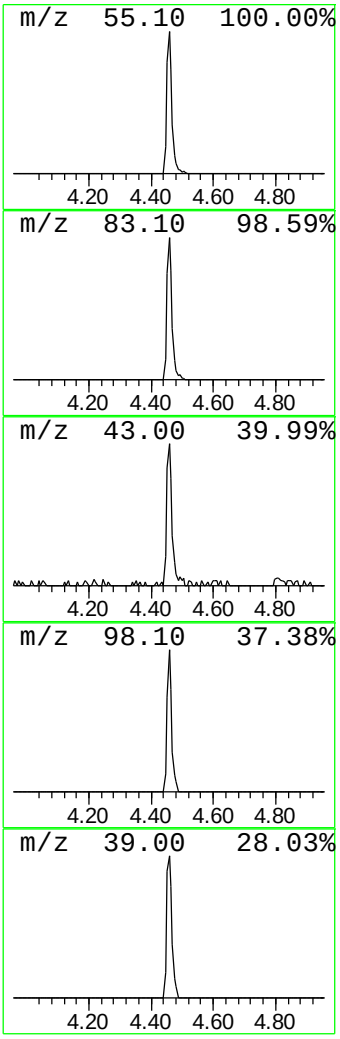
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	6.47 ng	118929	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
3	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	80
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	78
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	78





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Operator : SJ/JU
Sample : I6618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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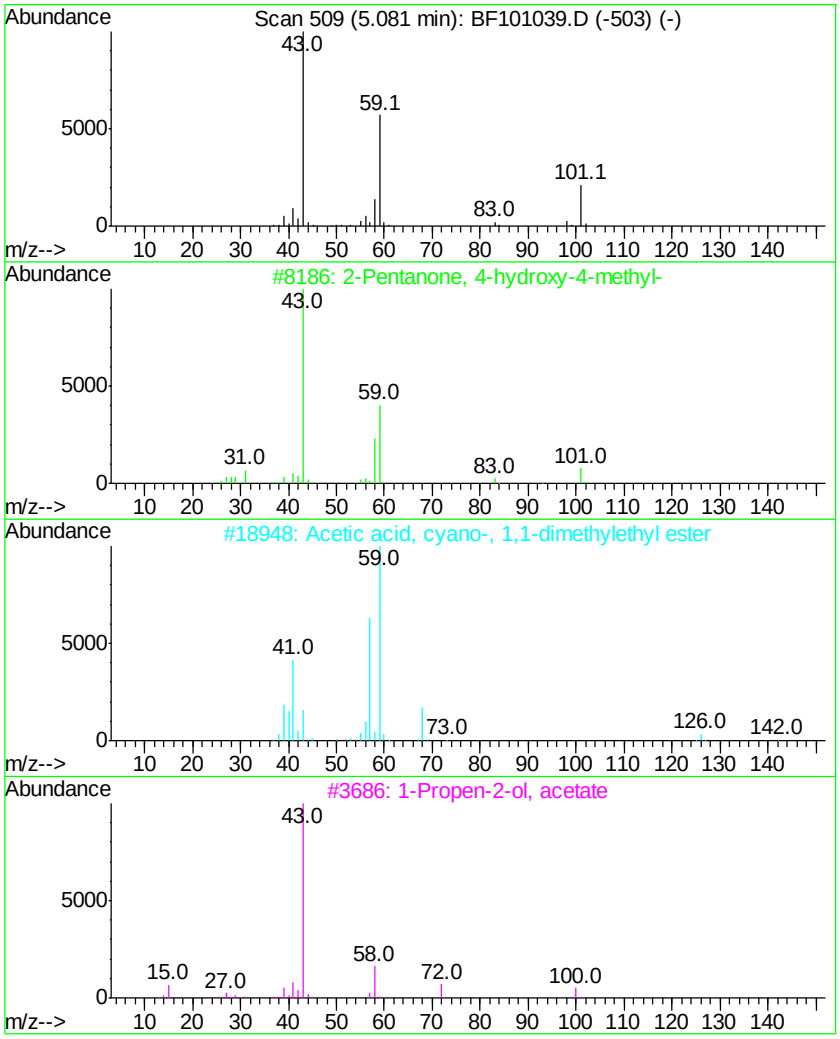
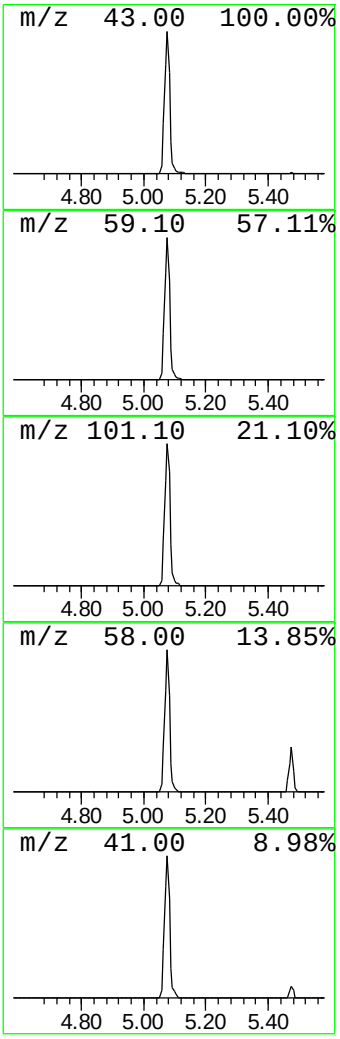
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	19.03 ng	350001	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Oxohexanenitrile	111	C6H9NO	010412-98-3	9





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Instrument : BNA_F
ClientSampleId : ENV-106-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Integration Parameters: LSCINT.P

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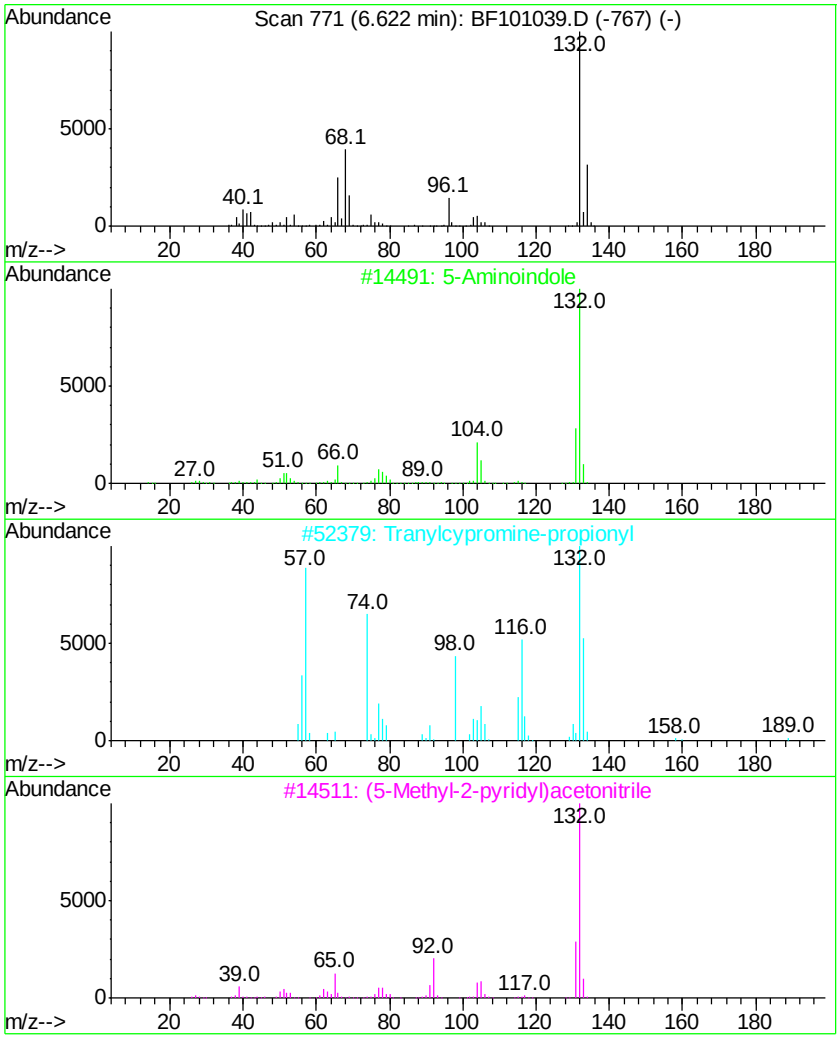
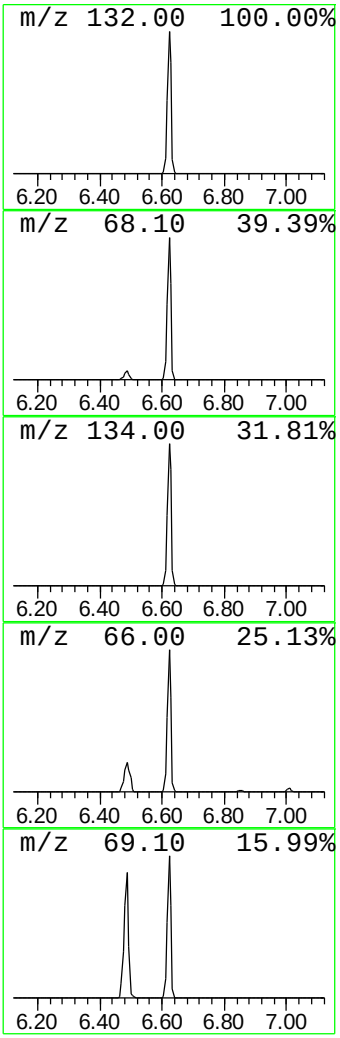
Peak Number 3 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	54.04 ng	993960	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

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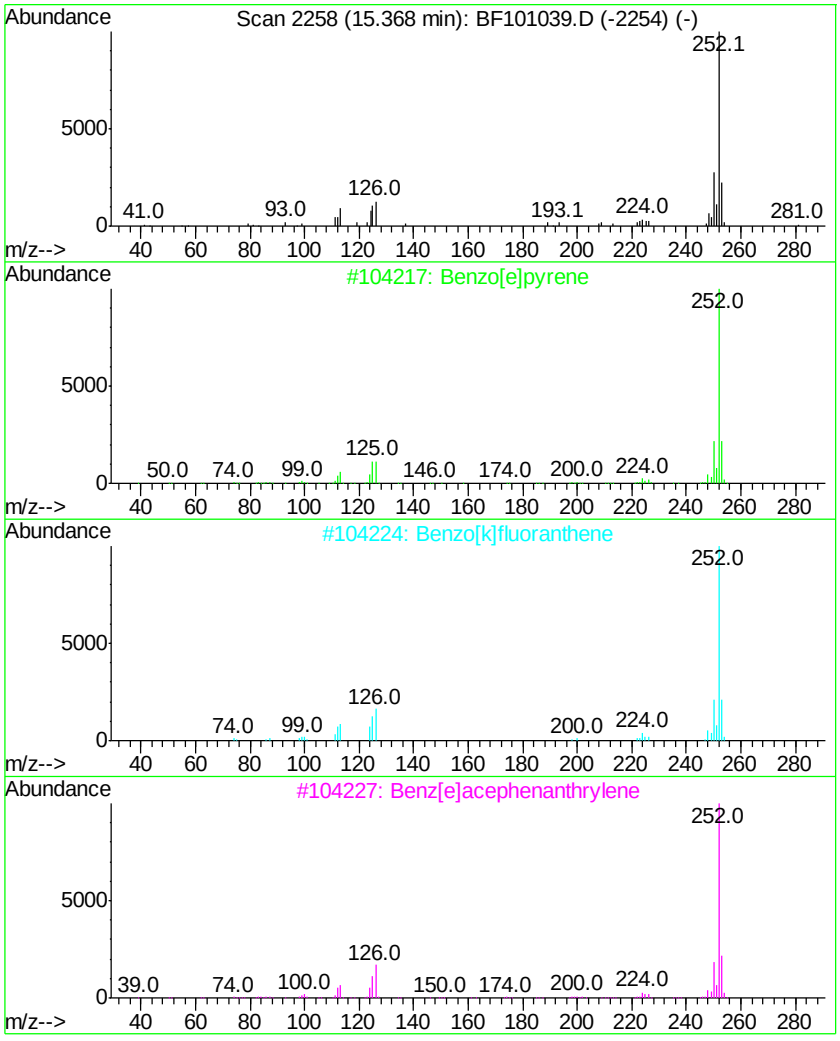
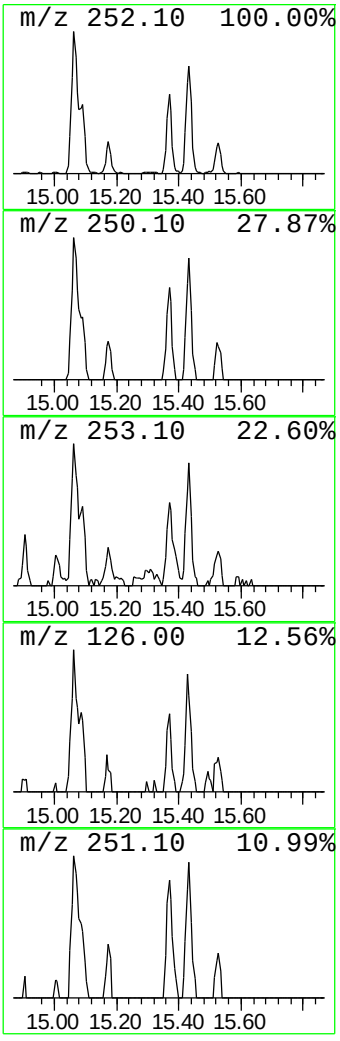
Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	4.31 ng	64344	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Penten-2-one, 4...	4.46	6.5	ng	118929	1	6.85	367859	20.0
2-Pentanone, 4-hy...	5.08	19.0	ng	350001	1	6.85	367859	20.0
unknown6.62	6.62	54.0	ng	993960	1	6.85	367859	20.0
Benzo[e]pyrene	15.37	4.3	ng	64344	6	15.50	298273	20.0