LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

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-BF080818.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	5.613	551	557	570	rBV2	268213	293300	21.48%	2.098%
2	5.854	595	598	602	rBV2	20794	22917	1.68%	0.164%
3	6.025	618	627	630	rBV3	35017	47956	3.51%	0.343%
4	6.060	630	633	635	rBV	15163	15092	1.11%	0.108%
5	6.160	648	650	653	rVB3	31271	25574	1.87%	0.183%
6	6.237	659	663	664	rBV	81287	75323	5.52%	0.539%
7	6.254	664	666	670	rVV	59675	65473	4.79%	0.468%
8	6.295	670	673	676	rVV	75676	64102	4.69%	0.459%
9	6.331	676	679	682	rVV2	17415	20183	1.48%	0.144%
10	6.425	691	695	700	rBV4	34811	63664	4.66%	0.455%
11	6.478	700	704	708	rVV4	14217	23372	1.71%	0.167%
12	6.531	708	713	719	rVV3	84359	134273	9.83%	0.960%
13	6.607	723	726	730	rVV	265835	278774	20.42%	1.994%
14	6.642	730	732	734	rVV	53399	52832	3.87%	0.378%
15	6.672	734	737	739	rVV	50585	54297	3.98%	0.388%
16	6.695	739	741	743	rVV	37822	36395	2.67%	0.260%
17	6.736	743	748	750	rVV4	70314	129317	9.47%	0.925%
18	6.766	750	753	759	rVV	308398	354857	25.99%	2.538%
19	6.819	759	762	763	rVV	46189	42102	3.08%	0.301%
20	6.848	766	767	770	rVV2	51559	44925	3.29%	0.321%
21	6.878	770	772	774	rVV2	23347	24232	1.77%	0.173%
22	6.907	774	777	778	rVV2	32172	37080	2.72%	0.265%
23	6.948	781	784	788	rVV5	54055	102658	7.52%	0.734%
24	6.995	788	792	796	rVV	1113600	1077927	78.94%	7.710%
25	7.031	796	798	801	rVV3	44070	67036	4.91%	0.479%
26	7.095	804	809	812	rVV3	68325	131790	9.65%	0.943%
27	7.131	812	815	817	rVV2	112970	151496	11.09%	1.084%
28	7.154	817	819	824	rVV2	242972	253467	18.56%	1.813%
29	7.213	827	829	831	rVV2	46993	46746	3.42%	0.334%
30	7.266	831	838	841	rVV4	72101	128345	9.40%	0.918%
31	7.331	845	849	852	rVV4	32169	49352	3.61%	0.353%
32	7.389	856	859	862	rVV2	71130	99360	7.28%	0.711%
33	7.413	862	863	868	rVV2	39501	53026	3.88%	0.379%
34	7.466	868	872	877	rVV5	26454	62887	4.61%	0.450%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.525	877	882	884	rVV4	91415	142933	10.47%	1.022%
36	7.554	884	887	892	rVV	189872	244104	17.88%	1.746%
37	7.631	895	900	904	rVV4	56032	107649	7.88%	0.770%
38	7.683	904	909	912	rVV3	34936	56630	4.15%	0.405%
39	7.725	912	916	919	rVV3	22870	40354	2.96%	0.289%
40	7.760	919	922	925	rVV2	59580	57630	4.22%	0.412%
41	7.801	925	929	934	rVB5	38057	58071	4.25%	0.415%
42	7.889	941	944	946	rBV	29297	24563	1.80%	0.176%
43	7.919	946	949	955	rVB4	39196	46496	3.41%	0.333%
44	8.013	962	965	969	rBV	39458	35264	2.58%	0.252%
45	8.142	982	987	990	rBV3	14395	15369	1.13%	0.110%
46	8.283	1006	1011	1014	rBV	1414204	1201536	88.00%	8.594%
47	8.325	1016	1018	1022	rVB	26599	23713	1.74%	0.170%
48	9.354	1189	1193	1201	rBV	290772	251977	18.45%	1.802%
49	9.742	1256	1259	1267	rVB	69761	73217	5.36%	0.524%
50	10.042	1306	1310	1314	rBV	1543608	1365454	100.00%	9.767%
51	10.072	1314	1315	1322	rVB	30596	29328	2.15%	0.210%
52	10.430	1373	1376	1383	rBV	47044	46801	3.43%	0.335%
53	10.595	1400	1404	1410	rVB2	21268	22654	1.66%	0.162%
54	10.672	1412	1417	1420	rVB4	14122	19934	1.46%	0.143%
55	10.836	1441	1445	1458	rBV	130939	159482	11.68%	1.141%
56	10.936	1458	1462	1465	rBV	24764	28873	2.11%	0.207%
57	11.407	1538	1542	1545	rVB3	13819	16461	1.21%	0.118%
58	11.536	1560	1564	1567	rBV	1436640	1333541	97.66%	9.539%
59	11.560	1567	1568	1572	rVV	295373	186501	13.66%	1.334%
60	11.613	1574	1577	1581	rVB	77689	65603	4.80%	0.469%
61	11.766	1600	1603	1607	rBV4	11664	16705	1.22%	0.119%
62	12.036	1646	1649	1652	rBV	27187	29365	2.15%	0.210%
63	12.066	1652	1654	1659	rVV2	41793	44148	3.23%	0.316%
64	12.118	1659	1663	1666	rVV2	21141	25249	1.85%	0.181%
65	12.154	1666	1669	1671	rVV2	59770	62326	4.56%	0.446%
66	12.171	1671	1672	1676	rVB2	18164	18405	1.35%	0.132%
67	12.336	1697	1700	1702	rBV	29193	28329	2.07%	0.203%
68	12.489	1723	1726	1729	rBV4	16883	22412	1.64%	0.160%
69	12.589	1740	1743	1747	rBV3	16462	24271	1.78%	0.174%
70	12.677	1756	1758	1760	rBV2	17971	15486	1.13%	0.111%
71	12.754	1768	1771	1775	rBV	422441	375568	27.50%	2.686%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.789	1775	1777	1779	rVB2	22368	18256	1.34%	0.131%
73	12.965	1804	1807	1808	rBV	80295	70813	5.19%	0.507%
74	12.989	1808	1811	1816	rVV	309624	308747	22.61%	2.208%
75	13.030	1816	1818	1821	rVB2	19372	17198	1.26%	0.123%
76	13.089	1825	1828	1829	rBV3	19682	18403	1.35%	0.132%
77	13.118	1829	1833	1836	rVV	204107	184086	13.48%	1.317%
78	13.195	1844	1846	1852	rVB3	21688	30871	2.26%	0.221%
79	13.313	1863	1866	1870	rVB	63054	62845	4.60%	0.450%
80	13.383	1875	1878	1880	rVB	51884	50789	3.72%	0.363%
81	13.542	1903	1905	1911	rVB5	17654	21216	1.55%	0.152%
82	13.795	1946	1948	1952	rBV3	25344	29531	2.16%	0.211%
83	13.942	1970	1973	1974	rBV	26159	25169	1.84%	0.180%
84	13.965	1975	1977	1979	rVV	24827	22414	1.64%	0.160%
85	14.189	2010	2015	2018	rBV2	1024163	1056790	77.39%	7.559%
86	14.212	2018	2019	2023	rVB	174142	130341	9.55%	0.932%
87	15.271	2196	2199	2203	rBV	105390	164617	12.06%	1.177%
88	15.607	2252	2256	2261	rVB	79933	107726	7.89%	0.771%
89	15.671	2263	2267	2271	rBV	111773	153289	11.23%	1.096%
90	15.742	2273	2279	2284	rBV	651712	907897	66.49%	6.494%
91	17.348	2547	2552	2557	rBV2	39126	83989	6.15%	0.601%
92	17.836	2631	2635	2644	rVB	32139	68897	5.05%	0.493%

Sum of corrected areas: 13980416

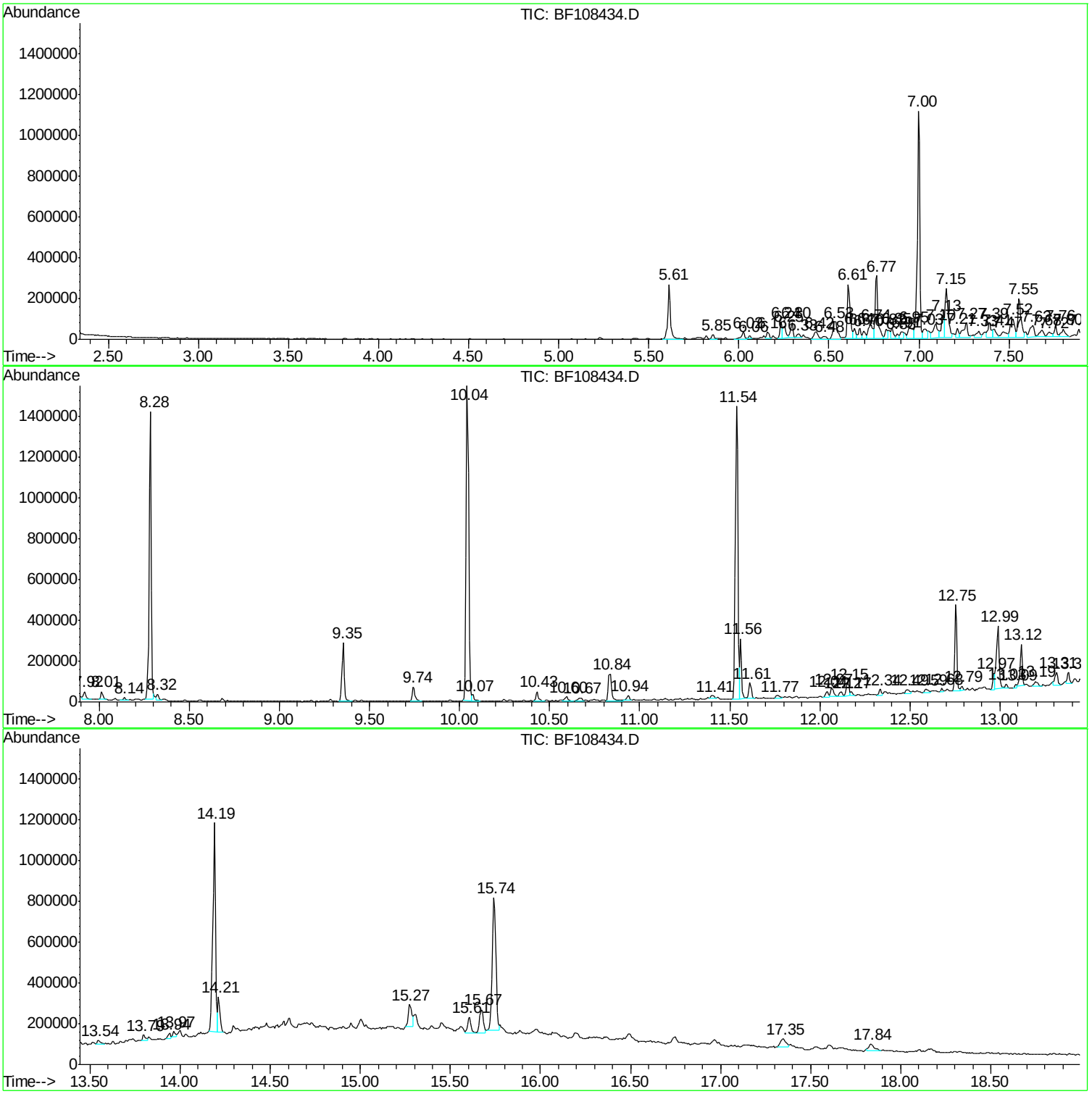
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

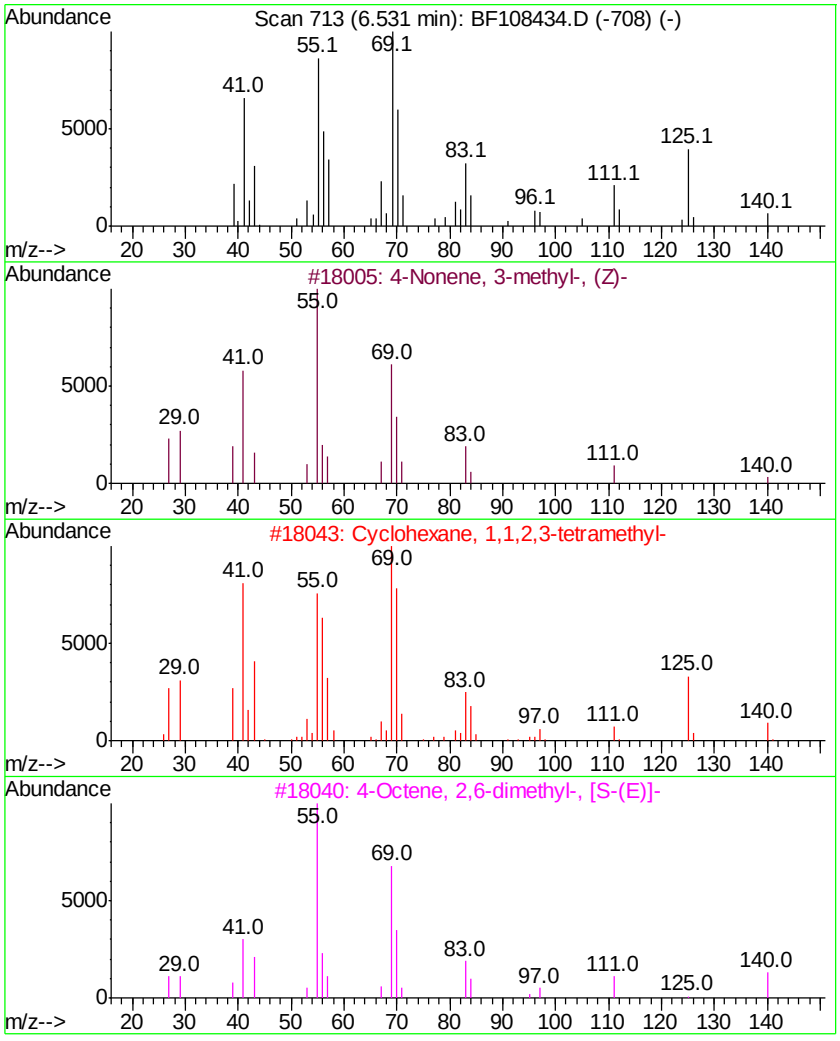
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

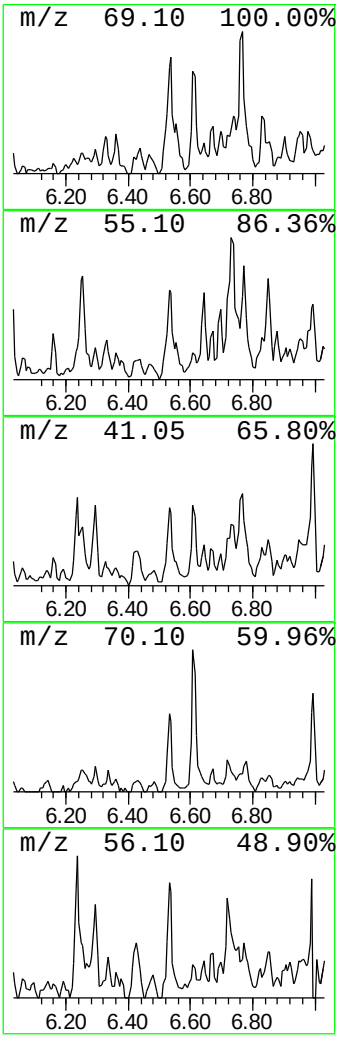
****

Peak Number 1 4-Nonene, 3-methyl-, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	2.49 ng	134273	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	72
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	68
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

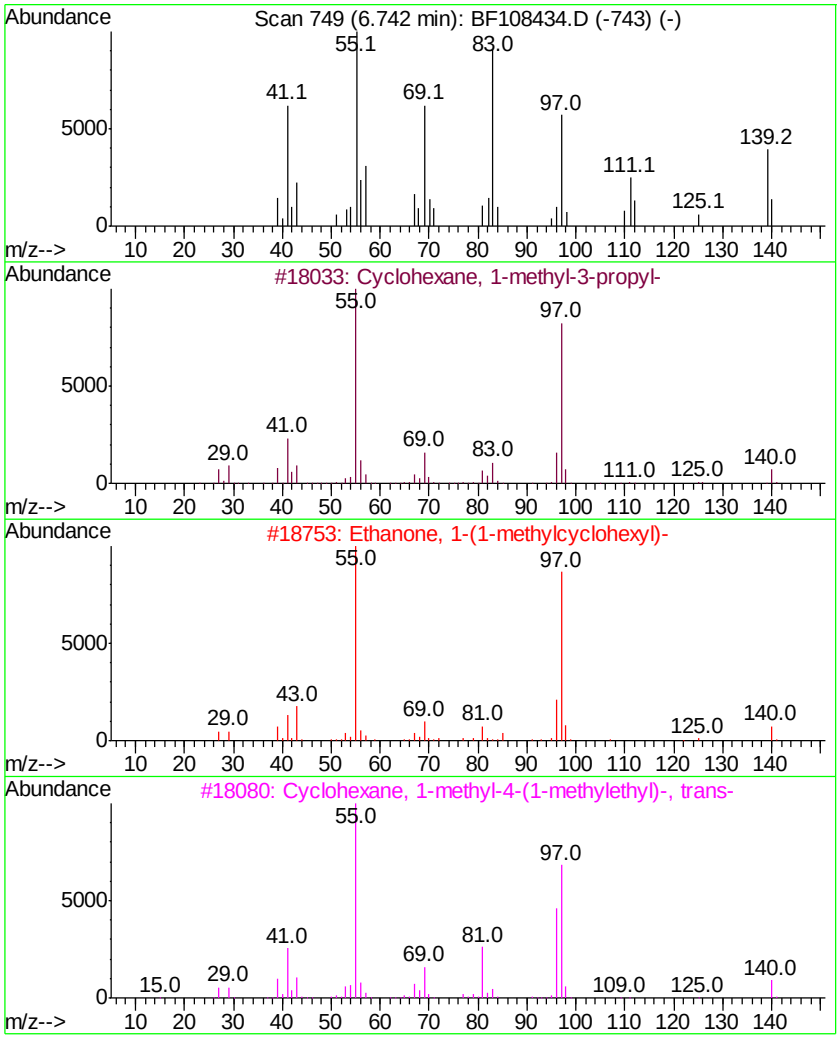
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

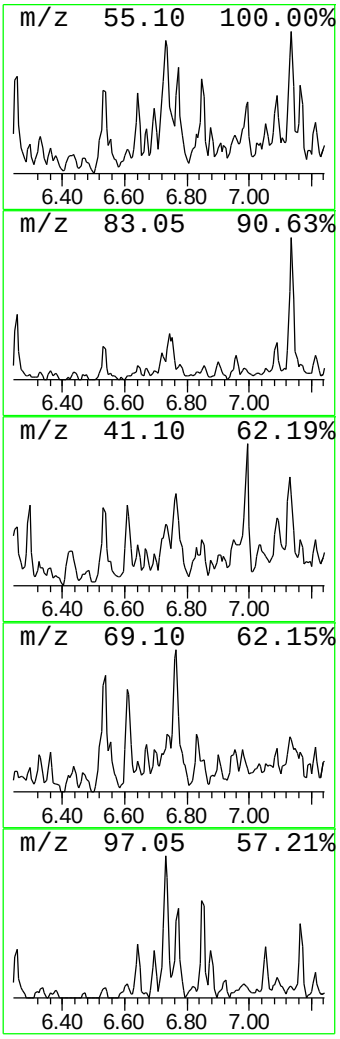
****

Peak Number 2 Cyclohexane, 1-methyl-3-pro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	2.40 ng	129317	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	81
2	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	58
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58
5	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

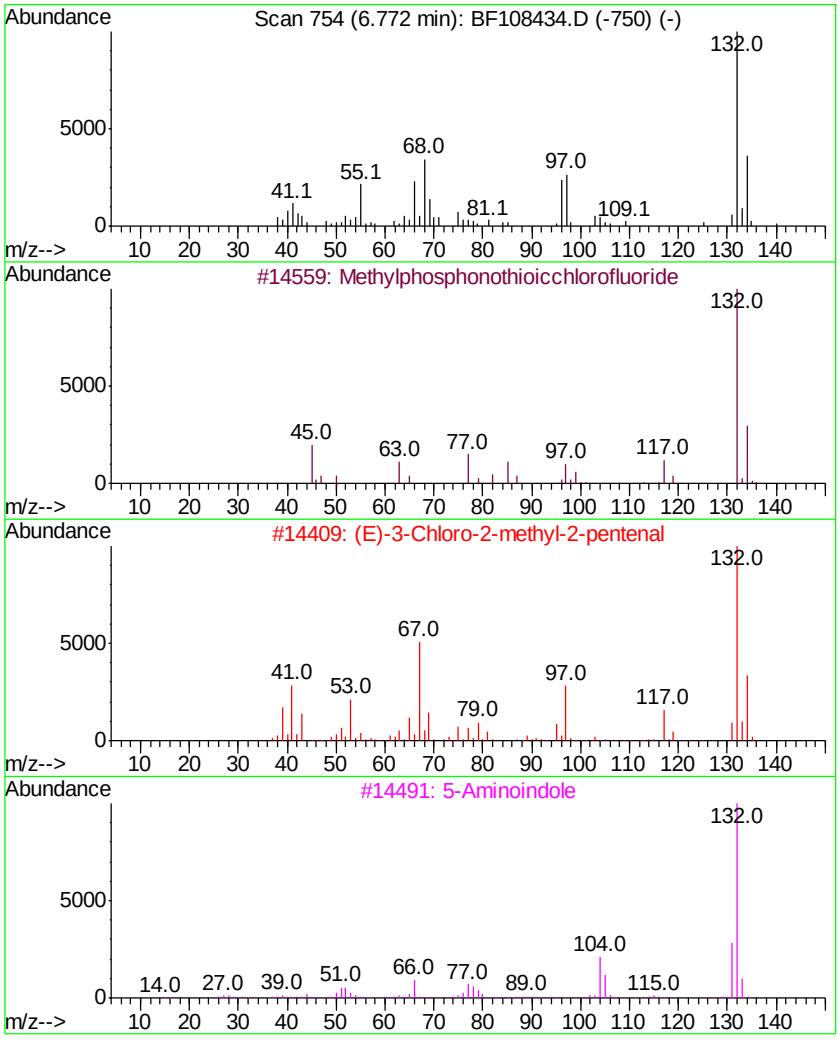
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

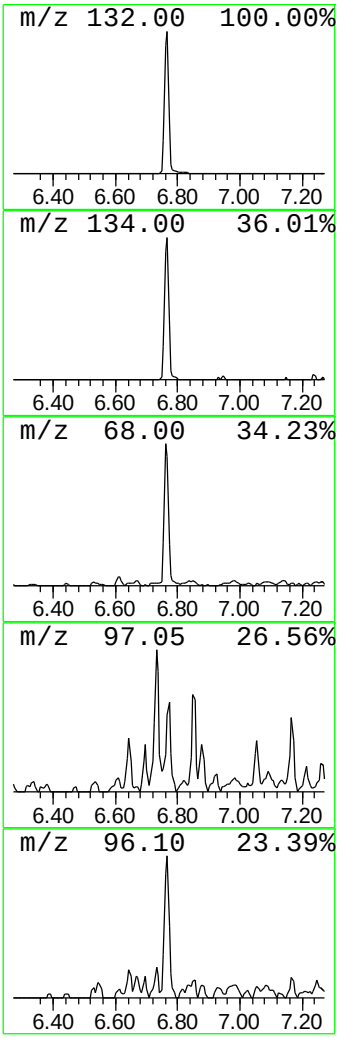
****

Peak Number 3 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	6.58 ng	354857	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	12
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

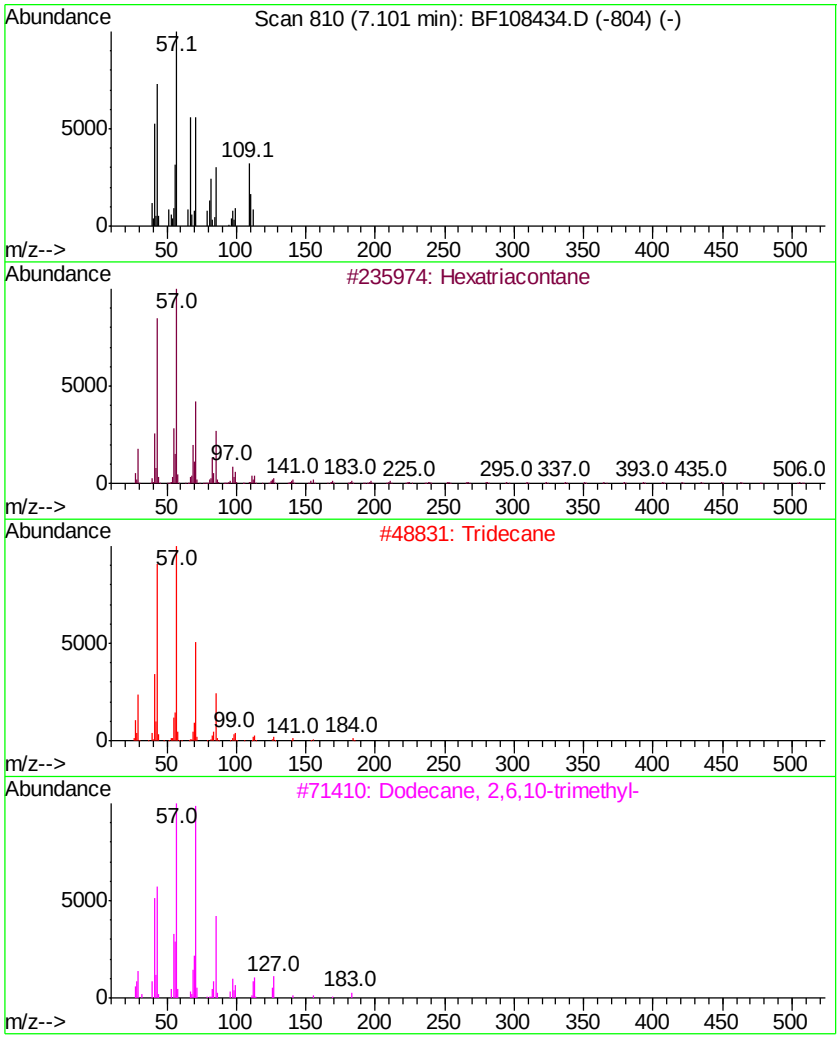
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

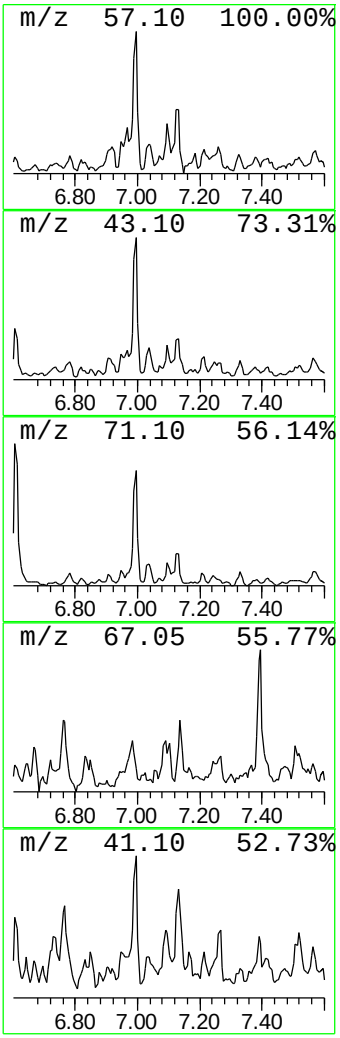
****

Peak Number 4 unknown7.10 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	2.45 ng	131790	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	47
2	Tridecane	184	C13H28	000629-50-5	43
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
4	Undecane	156	C11H24	001120-21-4	43
5	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

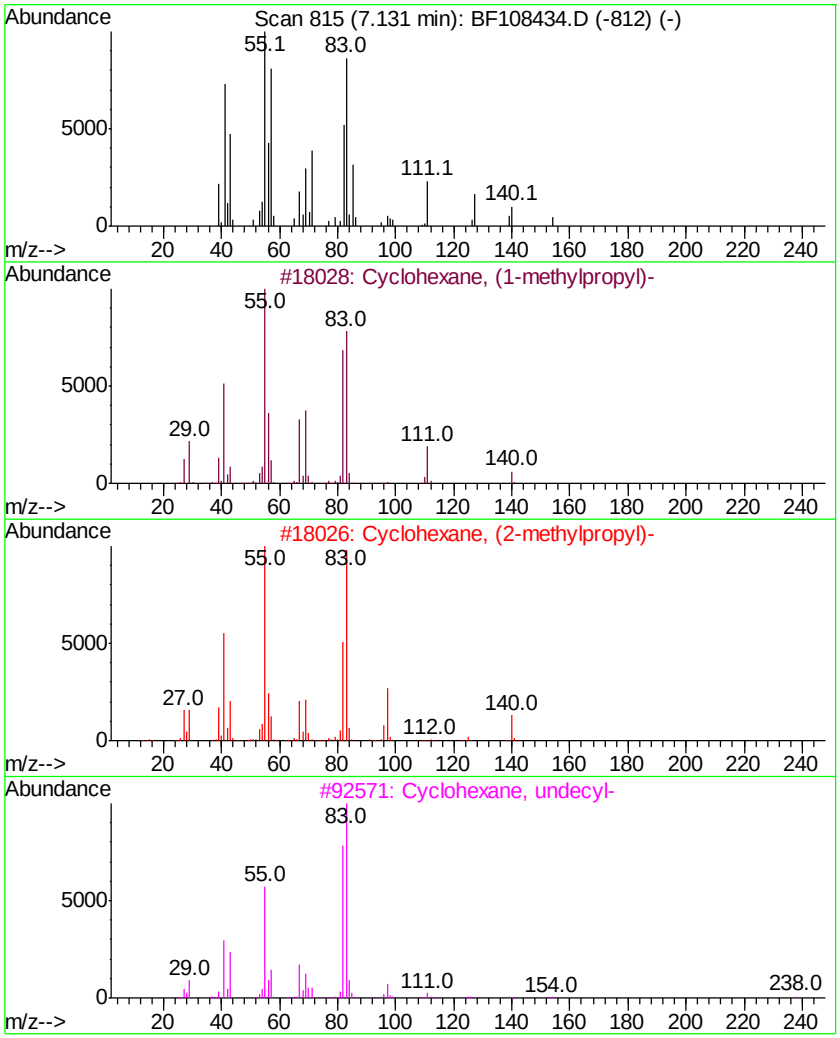
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

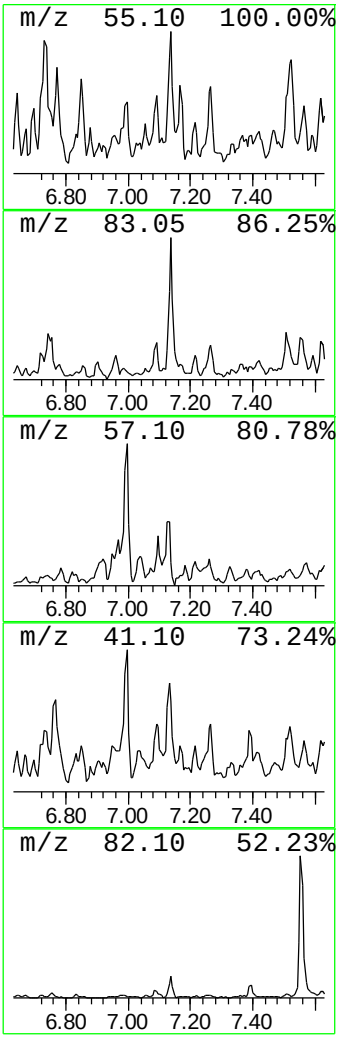
****

Peak Number 5 unknown7.13 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	2.81 ng	151496	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	49
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	46
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	43
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
5	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

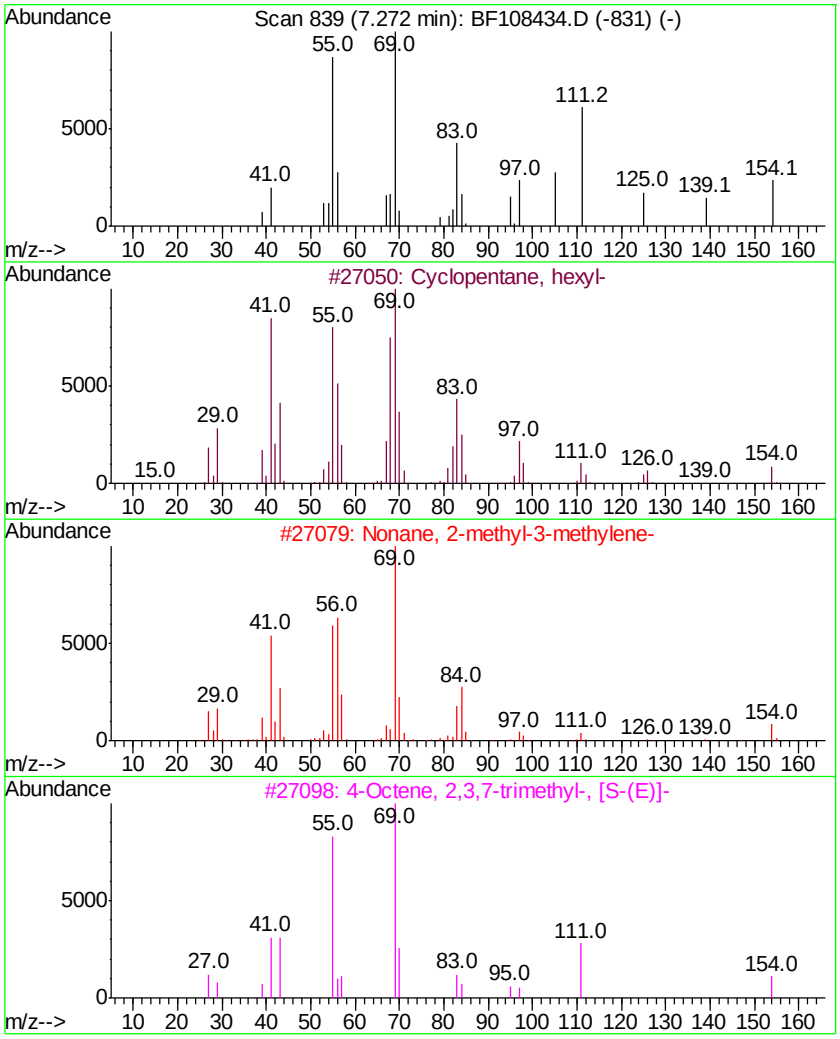
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

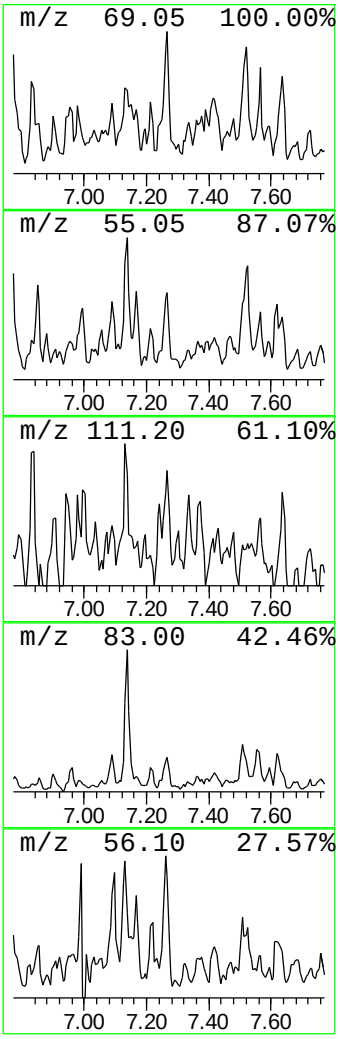
****

Peak Number 7 Cyclopentane, hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	2.38 ng	128345	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, hexyl-	154	C11H22	004457-00-5	72
2	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	59
3	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	58
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	52
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

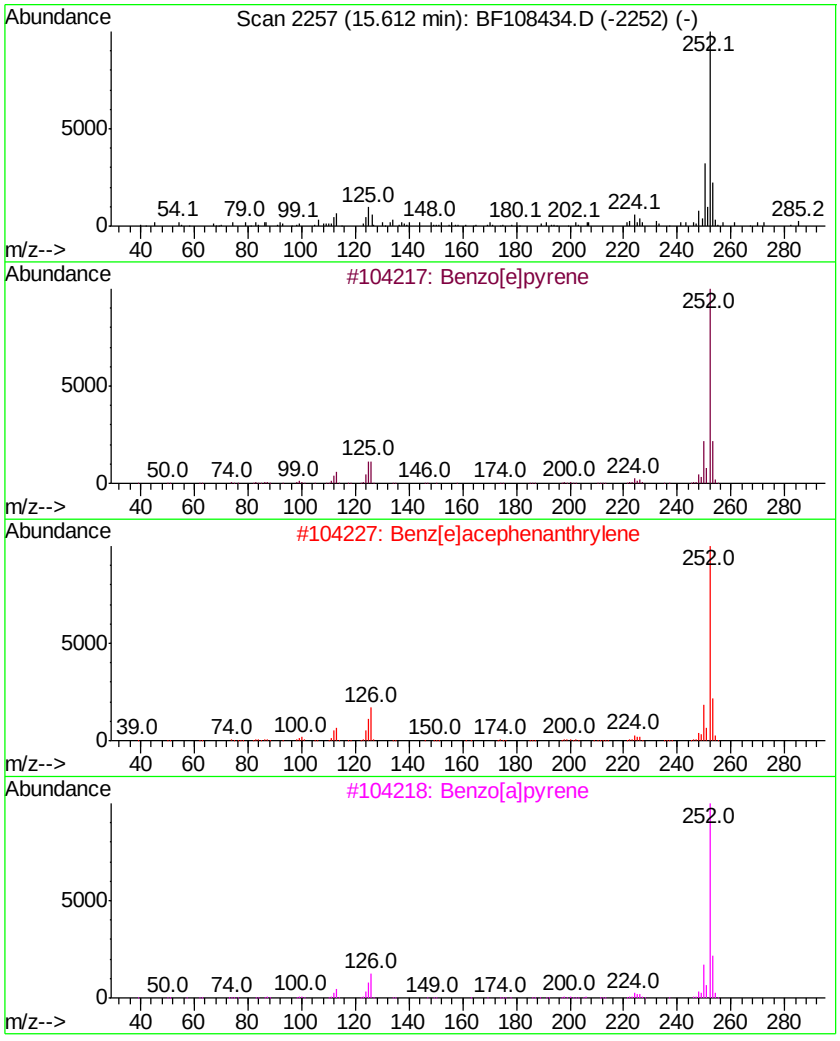
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

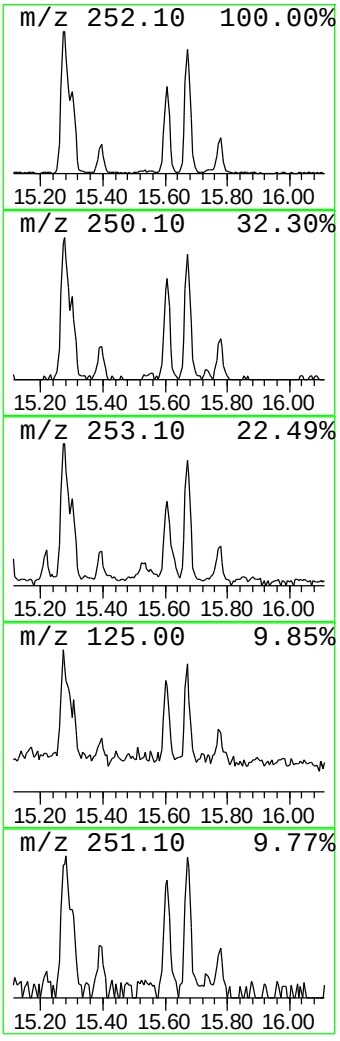
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.37 ng	107726	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
4-Nonene, 3-methy...	6.53	2.5	ng	134273	1	7.00	1077930	20.0
Cyclohexane, 1-me...	6.74	2.4	ng	129317	1	7.00	1077930	20.0
unknown6.77	6.77	6.6	ng	354857	1	7.00	1077930	20.0
unknown7.10	7.10	2.5	ng	131790	1	7.00	1077930	20.0
unknown7.13	7.13	2.8	ng	151496	1	7.00	1077930	20.0
Cyclopentane, hexyl-	7.27	2.4	ng	128345	1	7.00	1077930	20.0
Benzo[e]pyrene	15.61	2.4	ng	107726	6	15.74	907897	20.0