LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

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_G\METHODS\8270-BG013020.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	5.482	400	407	414	rBV	969637	1622589	36.73%	6.103%
2	5.541	414	417	426	rVB	42061	81831	1.85%	0.308%
3	5.917	475	481	490	rVB2	47835	89601	2.03%	0.337%
4	7.074	669	678	686	rBV	1041428	1839305	41.64%	6.919%
5	7.556	753	760	766	rBV2	44569	84080	1.90%	0.316%
6	7.903	813	819	830	rVB	238647	404317	9.15%	1.521%
7	8.226	866	874	884	rBV	815308	1428267	32.33%	5.372%
8	9.060	1003	1016	1027	rBV	629717	1186673	26.87%	4.464%
9	10.699	1288	1295	1301	rBV	337538	651461	14.75%	2.450%
10	10.752	1301	1304	1311	rVB	91594	151589	3.43%	0.570%
11	12.362	1571	1578	1589	rVB	134659	239917	5.43%	0.902%
12	12.585	1610	1616	1625	rVB	98964	169444	3.84%	0.637%
13	13.161	1707	1714	1724	rBV	1765181	2870262	64.98%	10.796%
14	13.379	1743	1751	1758	rBV2	44528	74342	1.68%	0.280%
15	13.713	1801	1808	1815	rBV5	34805	92640	2.10%	0.348%
16	13.866	1828	1834	1838	rBV2	70990	116165	2.63%	0.437%
17	13.919	1838	1843	1849	rVB	67710	107012	2.42%	0.403%
18	13.995	1849	1856	1860	rBV	42986	68443	1.55%	0.257%
19	14.042	1860	1864	1867	rVB3	34856	45673	1.03%	0.172%
20	14.101	1867	1874	1878	rBV	49622	87485	1.98%	0.329%
21	14.454	1928	1934	1940	rBV	33946	50056	1.13%	0.188%
22	14.542	1940	1949	1956	rBV	630874	999675	22.63%	3.760%
23	14.941	2011	2017	2024	rVB	59507	99855	2.26%	0.376%
24	15.018	2024	2030	2035	rVB2	28555	49871	1.13%	0.188%
25	15.165	2047	2055	2060	rBV	29321	49954	1.13%	0.188%
26	15.335	2076	2084	2087	rBV3	44051	82922	1.88%	0.312%
27	15.406	2092	2096	2101	rVB	37891	49699	1.13%	0.187%
28	15.582	2120	2126	2131	rBV	91096	130370	2.95%	0.490%
29	15.811	2160	2165	2170	rBV2	35407	53002	1.20%	0.199%
30	15.887	2170	2178	2187	rVB	40535	81530	1.85%	0.307%
31	16.028	2195	2202	2212	rBV	1513939	2453336	55.54%	9.228%
32	16.116	2214	2217	2228	rVB4	28637	49636	1.12%	0.187%
33	16.269	2237	2243	2244	rBV2	59318	80032	1.81%	0.301%
34	16.293	2244	2247	2252	rVB	126910	177955	4.03%	0.669%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

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_G\METHODS\8270-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.833	2331	2339	2343	rBV3	52100	115207	2.61%	0.433%
36	17.027	2364	2372	2374	rBV3	23596	54922	1.24%	0.207%
37	17.057	2374	2377	2383	rVV2	54215	84394	1.91%	0.317%
38	17.115	2383	2387	2394	rVB6	25010	47765	1.08%	0.180%
39	17.286	2409	2416	2421	rBV	816435	1265819	28.66%	4.761%
40	17.327	2421	2423	2428	rVB	86703	107376	2.43%	0.404%
41	17.797	2498	2503	2508	rVB	54750	71860	1.63%	0.270%
42	18.167	2561	2566	2569	rBV	29231	45562	1.03%	0.171%
43	18.208	2569	2573	2583	rVB	63598	102086	2.31%	0.384%
44	18.349	2591	2597	2601	rBV2	47079	80468	1.82%	0.303%
45	18.396	2601	2605	2612	rVB2	43524	69301	1.57%	0.261%
46	18.484	2612	2620	2624	rBV	61526	91860	2.08%	0.346%
47	19.078	2715	2721	2724	rBV2	34314	61248	1.39%	0.230%
48	19.113	2724	2727	2732	rVV2	70605	101660	2.30%	0.382%
49	19.219	2740	2745	2752	rVB4	23317	51437	1.16%	0.193%
50	19.336	2760	2765	2770	rBV	71197	99881	2.26%	0.376%
51	19.695	2819	2826	2835	rVB3	86688	170402	3.86%	0.641%
52	19.777	2835	2840	2846	rVB3	25893	48943	1.11%	0.184%
53	19.900	2855	2861	2873	rVB	3218978	4417126	100.00%	16.615%
54	20.218	2913	2915	2920	rVB	44990	51437	1.16%	0.193%
55	20.711	2996	2999	3006	rVB	43812	53225	1.20%	0.200%
56	21.205	3078	3083	3092	rBV2	114158	219576	4.97%	0.826%
57	21.528	3130	3138	3144	rBV	816363	1409771	31.92%	5.303%
58	21.739	3169	3174	3178	rBV	41963	64642	1.46%	0.243%
59	22.321	3269	3273	3281	rVB2	49310	81324	1.84%	0.306%
60	22.985	3381	3386	3393	rVB2	49073	92668	2.10%	0.349%
61	23.649	3491	3499	3504	rBV2	25445	80231	1.82%	0.302%
62	23.760	3512	3518	3524	rVB	49037	94272	2.13%	0.355%
63	24.618	3653	3664	3682	rVB2	481505	1445060	32.71%	5.436%
64	25.741	3848	3855	3865	rVB3	31170	86647	1.96%	0.326%

Sum of corrected areas: 26585159

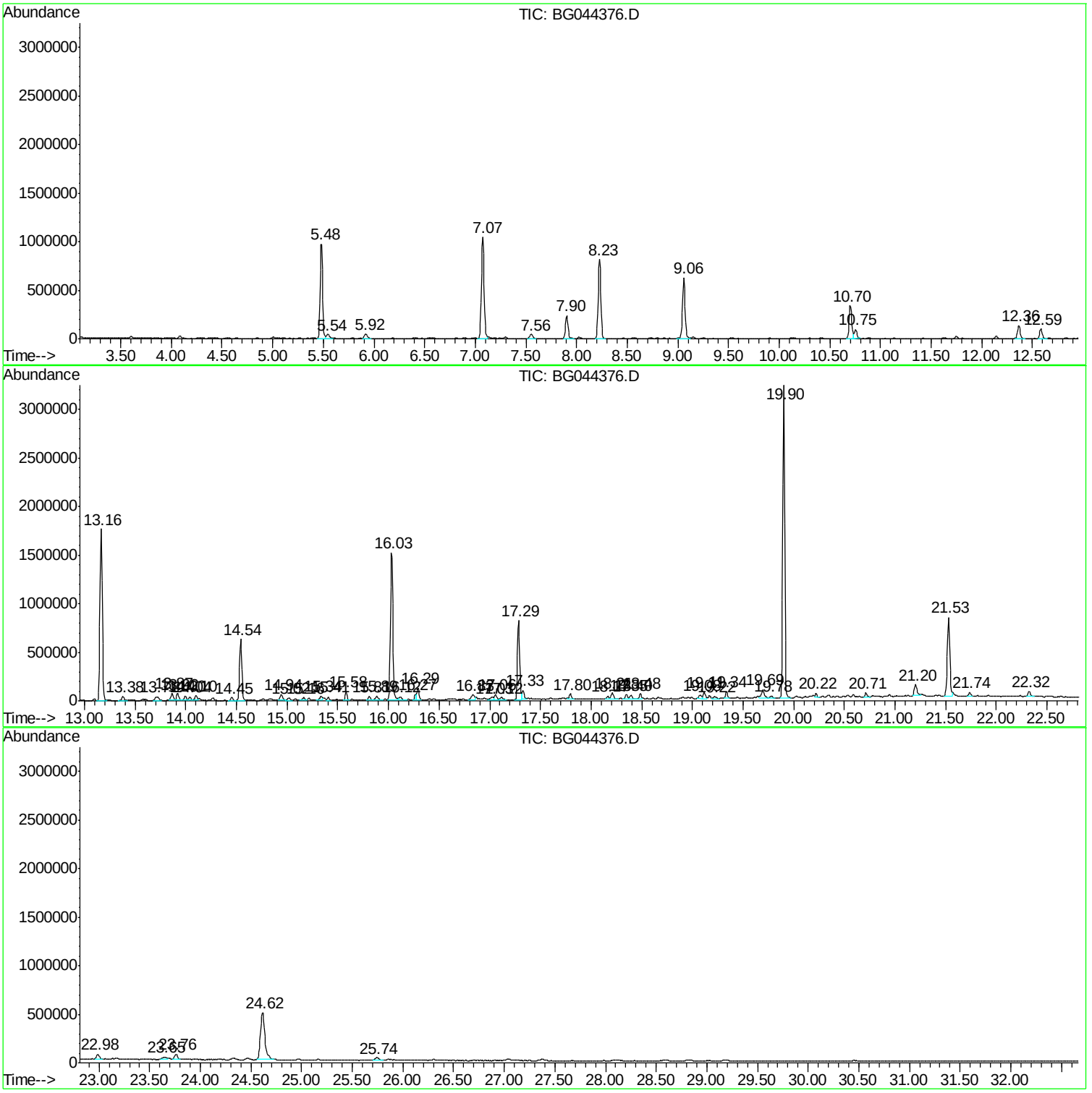
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

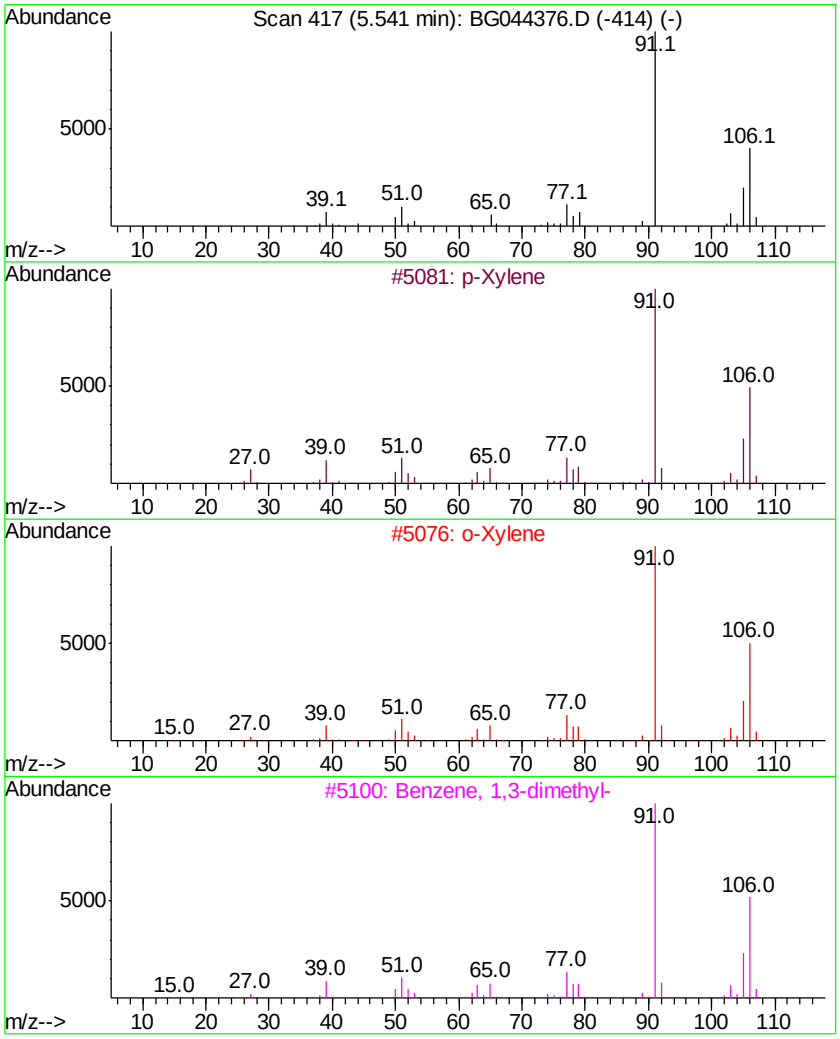
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

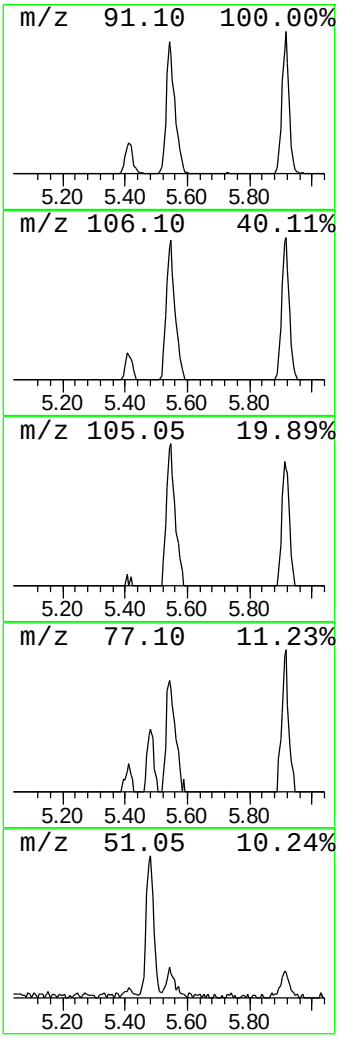
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	4.05 ng	81831	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	95
2	o-Xylene	106	C8H10	000095-47-6	95
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
4	Ethylbenzene	106	C8H10	000100-41-4	80
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

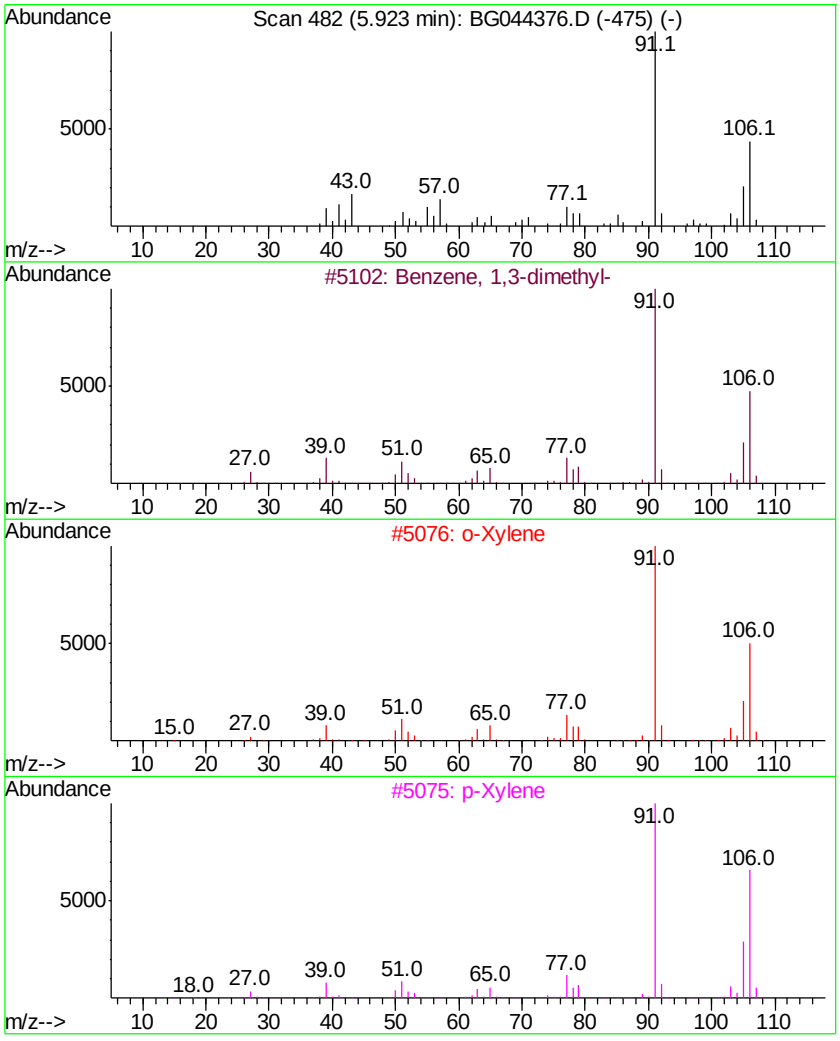
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

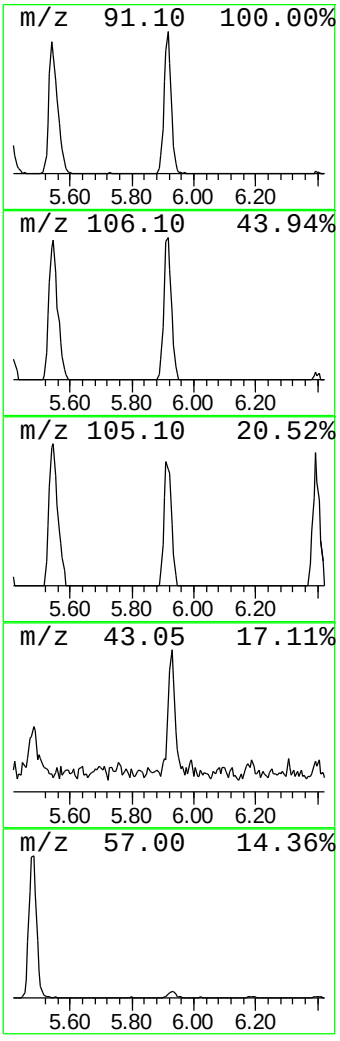
****

Peak Number 2 1,3-Cyclopentadiene, 5-(1-m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	4.43 ng	89601	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	95
3	p-Xylene	106	C8H10	000106-42-3	95
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	87
5	Ethylbenzene	106	C8H10	000100-41-4	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

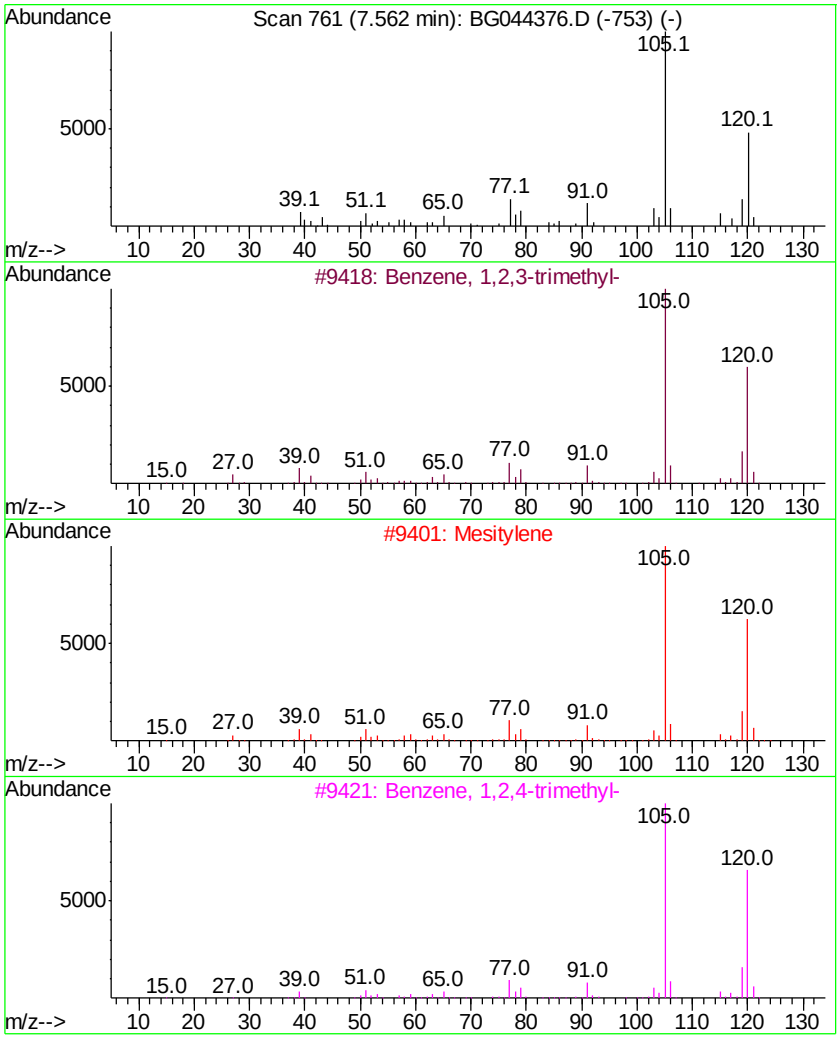
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

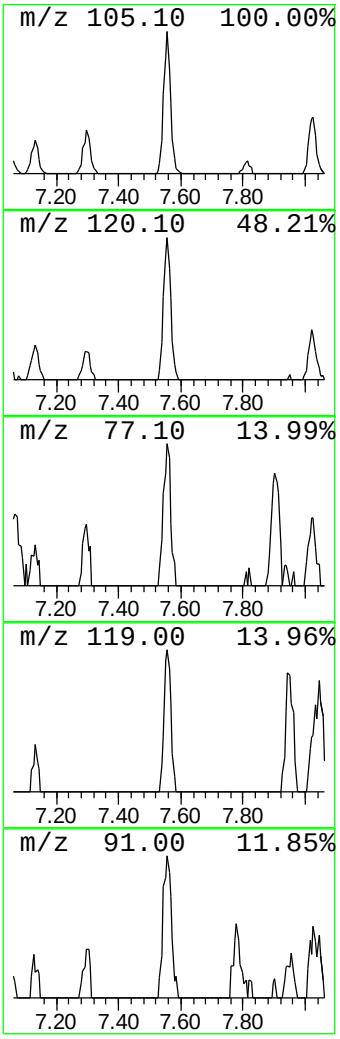
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	4.16 ng	84080	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

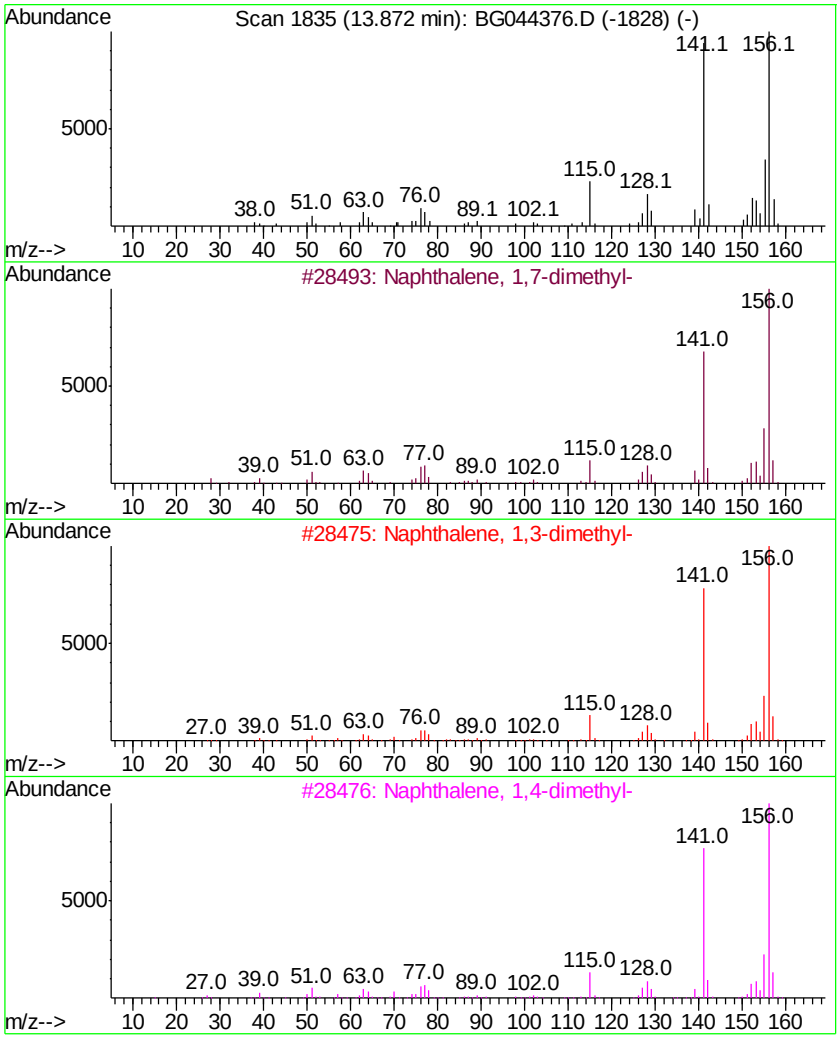
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

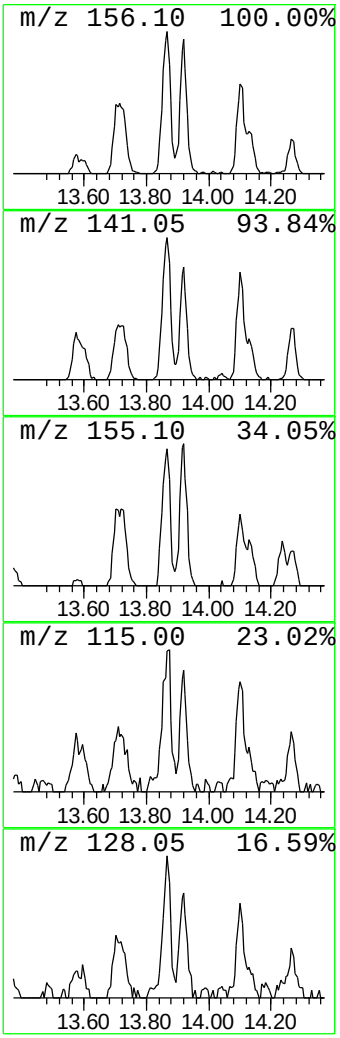
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.32 ng	116165	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

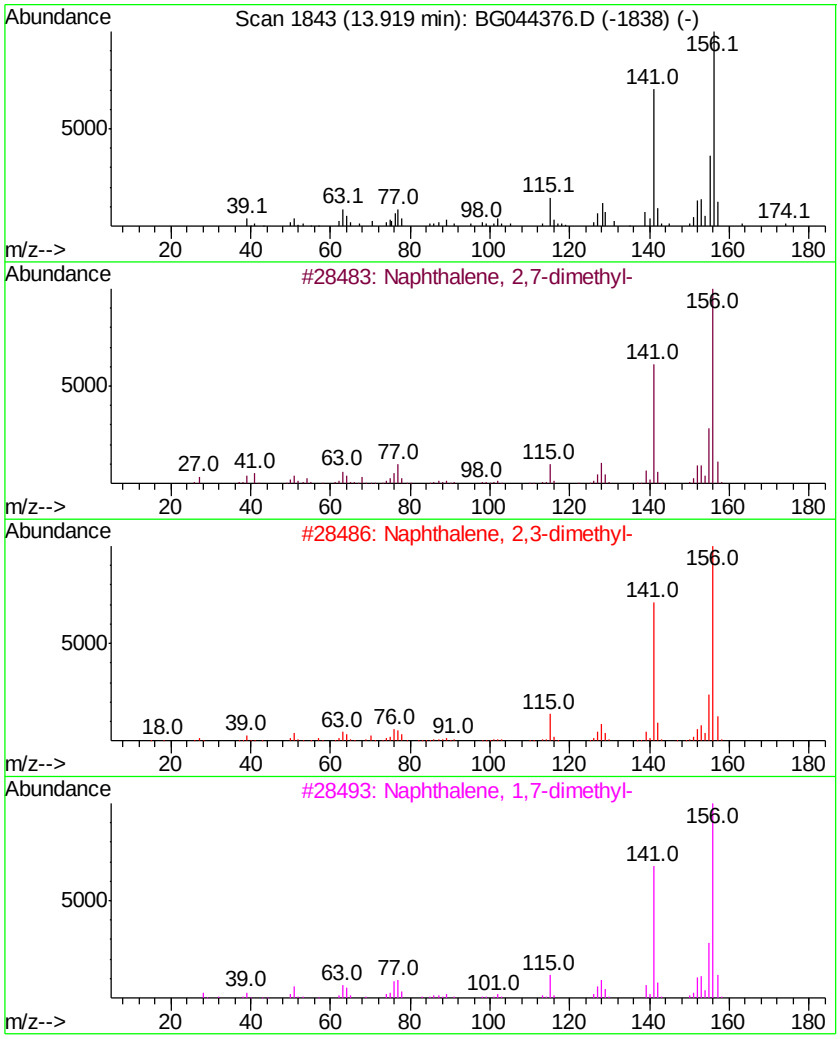
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

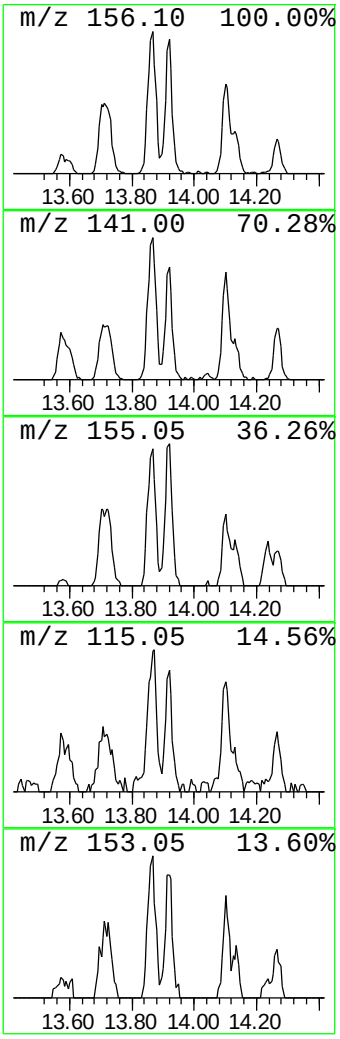
****

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.14 ng	107012	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

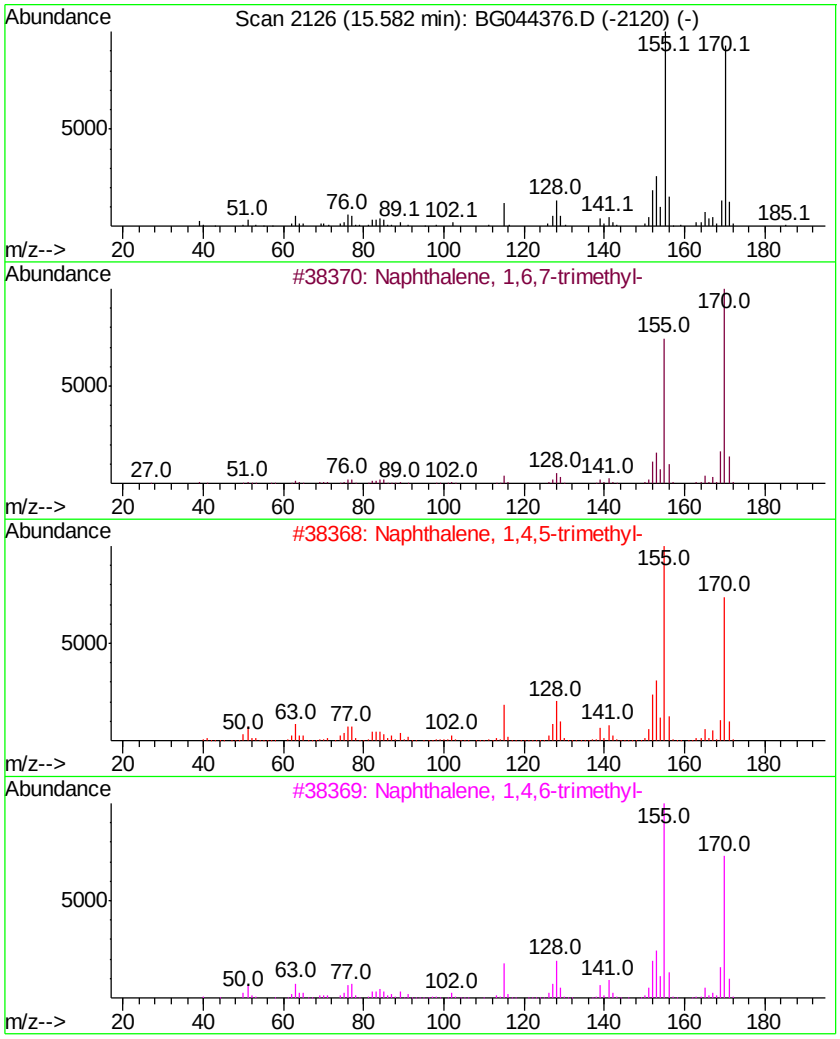
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

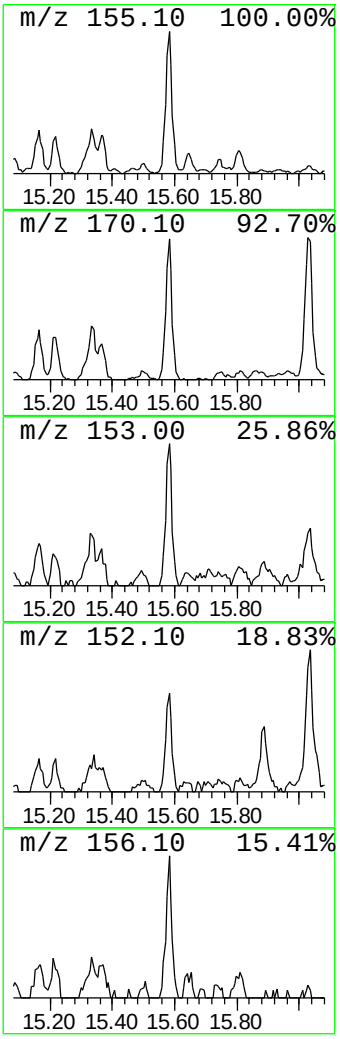
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.61 ng	130370	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

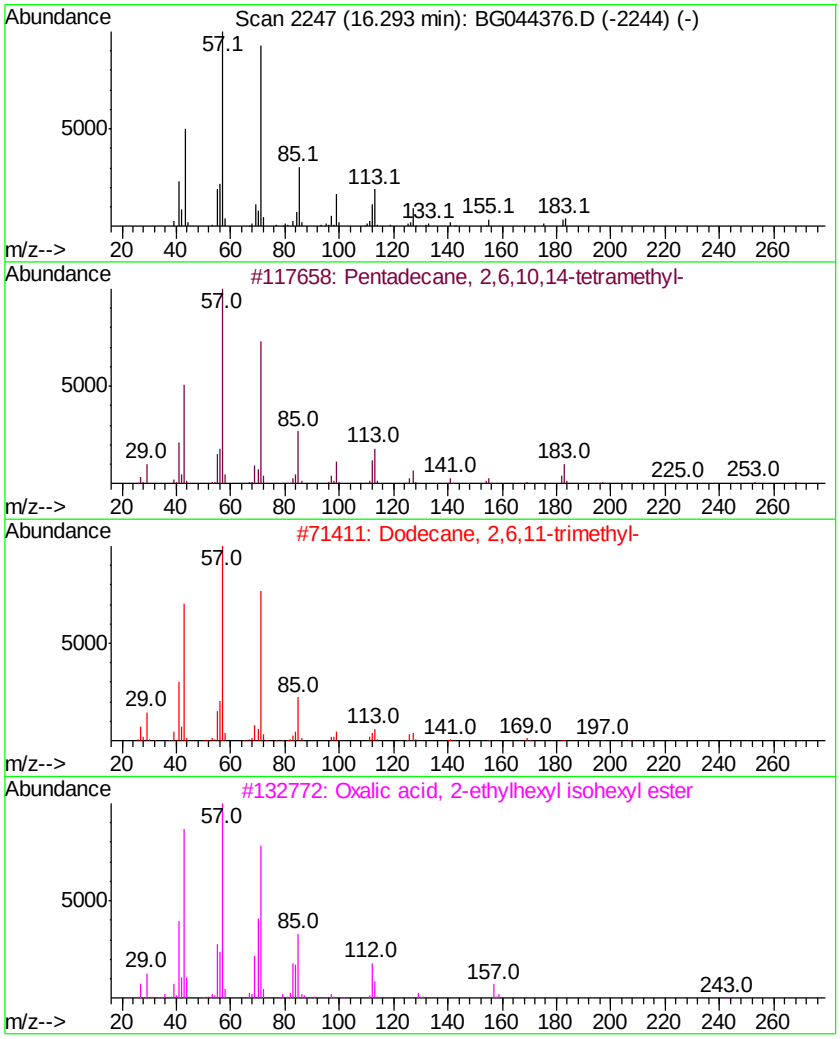
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

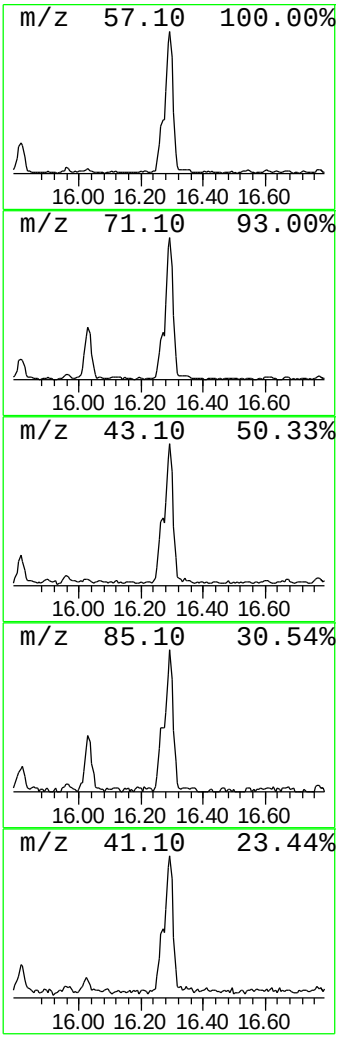
****

Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.81 ng	177955	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
3	Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	64
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

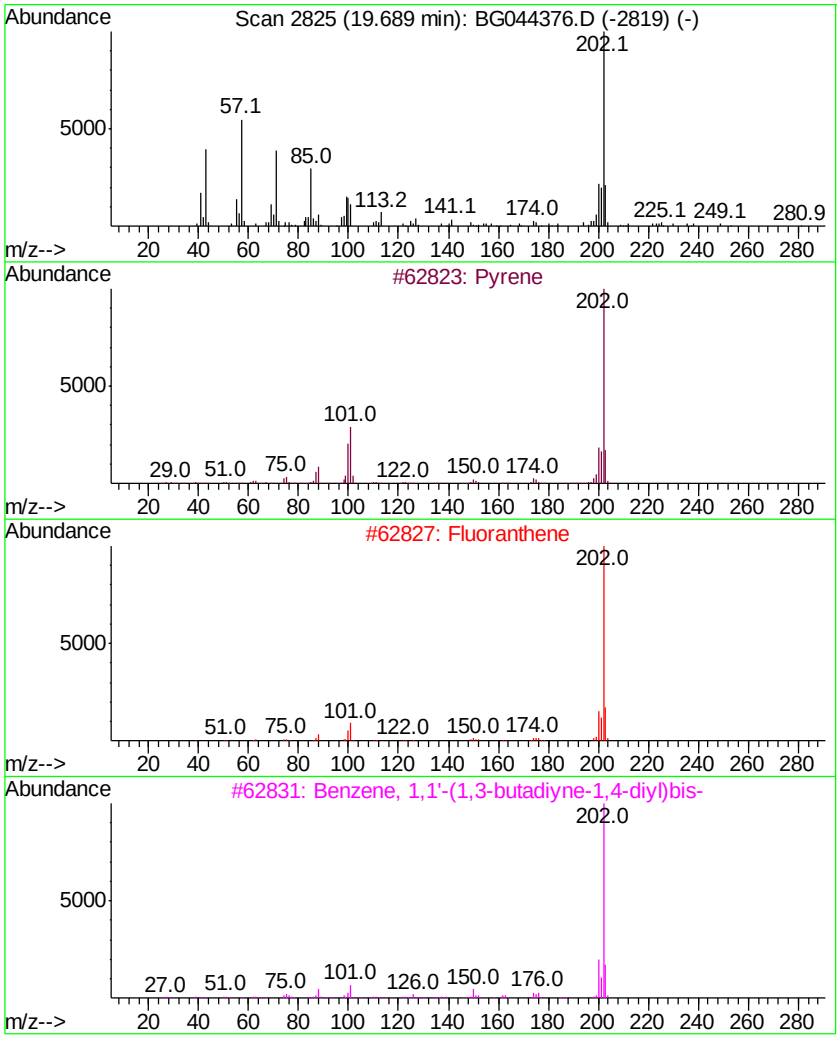
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

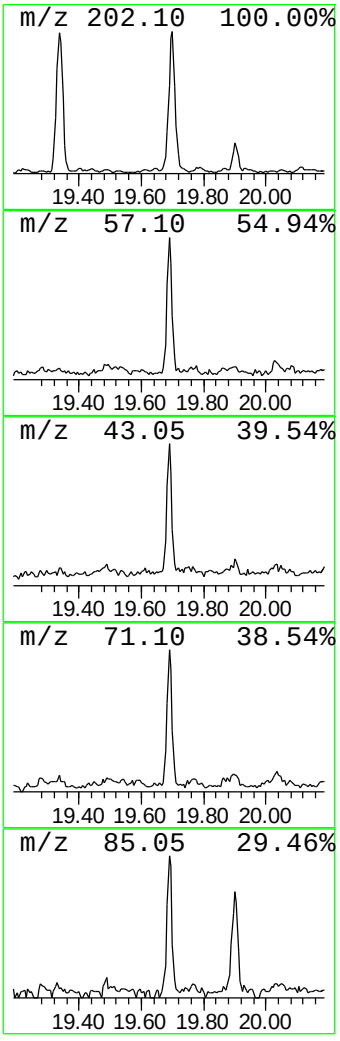
****

Peak Number 9 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.42 ng	170402	Chrysene-d12	21.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	70
2	Fluoranthene	202	C16H10	000206-44-0	52
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	50
4	l-Leucine, N-methyl-N-(2-methoxy...	471	C27H53NO5	1000328-55-0	25
5	l-Leucine, N-methyl-N-(2-methoxy...	401	C22H43NO5	1000328-54-6	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

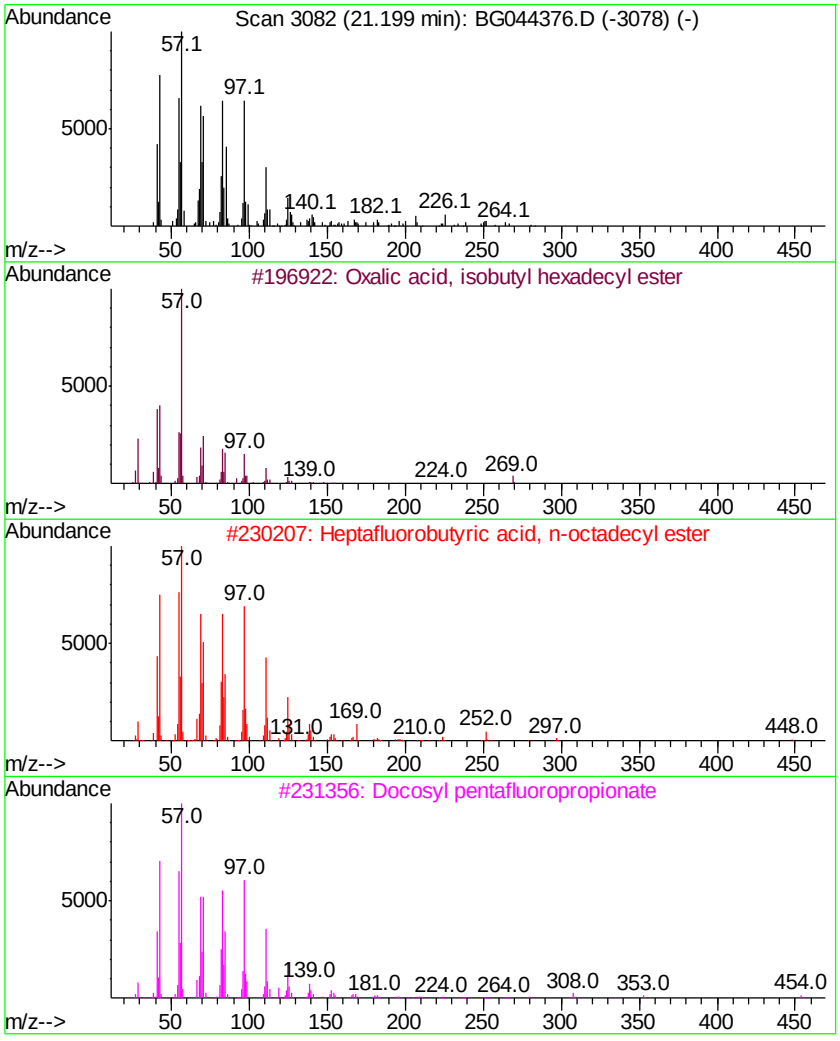
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

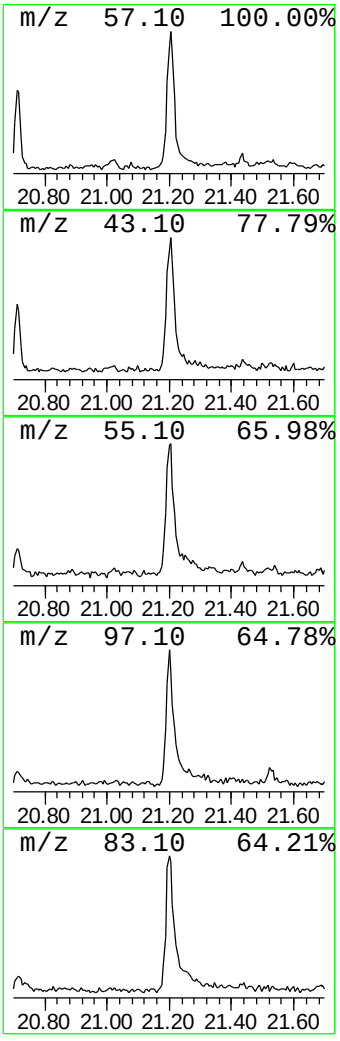
****

Peak Number 10 Oxalic acid, isobutyl hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	3.12 ng	219576	Chrysene-d12	21.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	70
3	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	70
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	64
5	Hexadecane	226	C16H34	000544-76-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021020\
Data File : BG044376.D
Acq On : 11 Feb 2020 5:50
Operator : CG/JU
Sample : L1470-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PE-4-(SIDE-WALL)-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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
Benzene, 1,3-dime...	5.54	4.0	ng	81831	1	7.90	404317	20.0
1,3-Cyclopentadie...	5.92	4.4	ng	89601	1	7.90	404317	20.0
Benzene, 1,2,3-tr...	7.56	4.2	ng	84080	1	7.90	404317	20.0
Naphthalene, 1,7-...	13.87	2.3	ng	116165	3	14.54	999675	20.0
Naphthalene, 2,7-...	13.92	2.1	ng	107012	3	14.54	999675	20.0
Naphthalene, 1,6,...	15.58	2.6	ng	130370	3	14.54	999675	20.0
Pentadecane, 2,6,...	16.29	2.8	ng	177955	4	17.29	1265820	20.0
Benzene, 1,1'-(1,...	19.69	2.4	ng	170402	5	21.53	1409770	20.0
Oxalic acid, isob...	21.20	3.1	ng	219576	5	21.53	1409770	20.0