LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

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_P\METHODS\8270-BP052720.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	5.163	381	387	392	rBV	218041	314717	3.45%	0.402%
2	5.228	392	398	406	rBV	2761247	4068903	44.61%	5.199%
3	5.628	459	466	477	rBV	302947	468230	5.13%	0.598%
4	6.751	652	657	659	rBV	76789	109413	1.20%	0.140%
5	6.798	659	665	678	rVB	2981142	4758151	52.17%	6.080%
6	7.216	732	736	742	rBV	66497	104845	1.15%	0.134%
7	7.610	793	803	812	rBV	1392937	2182572	23.93%	2.789%
8	7.928	848	857	867	rBV	2419060	3949118	43.30%	5.046%
9	8.751	981	997	1009	rBV	1952808	3228363	35.39%	4.125%
10	10.275	1248	1256	1266	rBV	202375	307114	3.37%	0.392%
11	10.381	1266	1274	1287	rBV	1879875	3066337	33.62%	3.918%
12	12.869	1690	1697	1713	rBV	4529192	7051066	77.31%	9.010%
13	13.716	1834	1841	1849	rBV	787155	1116864	12.24%	1.427%
14	14.251	1926	1932	1939	rBV2	2588530	4018365	44.06%	5.135%
15	14.316	1939	1943	1954	rVB	124991	199785	2.19%	0.255%
16	15.310	2107	2112	2117	rVB	74377	105958	1.16%	0.135%
17	15.751	2181	2187	2196	rBV	3499564	5064207	55.52%	6.471%
18	15.827	2196	2200	2208	rVB2	71181	146773	1.61%	0.188%
19	16.116	2246	2249	2255	rBV	75114	101618	1.11%	0.130%
20	16.374	2288	2293	2299	rVB2	254094	366473	4.02%	0.468%
21	16.439	2299	2304	2311	rBV4	101570	205638	2.25%	0.263%
22	16.504	2312	2315	2324	rVV	105784	159043	1.74%	0.203%
23	16.627	2332	2336	2341	rVV	389830	474224	5.20%	0.606%
24	16.792	2360	2364	2368	rBV	380322	468922	5.14%	0.599%
25	16.898	2379	2382	2387	rVB	81953	94841	1.04%	0.121%
26	17.010	2395	2401	2406	rBV	3228146	4710745	51.65%	6.020%
27	17.051	2406	2408	2414	rVB	401692	486119	5.33%	0.621%
28	17.145	2420	2424	2428	rVB	133218	182726	2.00%	0.233%
29	17.945	2555	2560	2568	rBV2	730772	1105799	12.12%	1.413%
30	18.074	2578	2582	2586	rBV2	135443	217264	2.38%	0.278%
31	18.910	2721	2724	2729	rVB2	137241	188156	2.06%	0.240%
32	19.039	2741	2746	2752	rBV	1118487	1468583	16.10%	1.877%
33	19.104	2754	2757	2762	rVV	341962	412306	4.52%	0.527%
34	19.186	2768	2771	2775	rBV3	133236	159792	1.75%	0.204%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

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_P\METHODS\8270-BP052720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.386	2798	2805	2814	rBV	1070952	1807682	19.82%	2.310%
36	19.598	2836	2841	2852	rVB	6876168	9121067	100.00%	11.655%
37	20.833	3048	3051	3054	rBV	2033078	2515118	27.57%	3.214%
38	21.057	3086	3089	3093	rBV	874433	905738	9.93%	1.157%
39	21.115	3093	3099	3103	rBV2	3790148	5318023	58.30%	6.796%
40	21.292	3126	3129	3134	rBV2	605066	748740	8.21%	0.957%
41	21.345	3135	3138	3142	rVB	976500	1030286	11.30%	1.317%
42	21.415	3148	3150	3157	rVB2	407298	491775	5.39%	0.628%
43	21.986	3244	3247	3253	rVB	835479	1122072	12.30%	1.434%
44	23.327	3470	3475	3482	rVB	2316670	4132905	45.31%	5.281%

Sum of corrected areas: 78256436

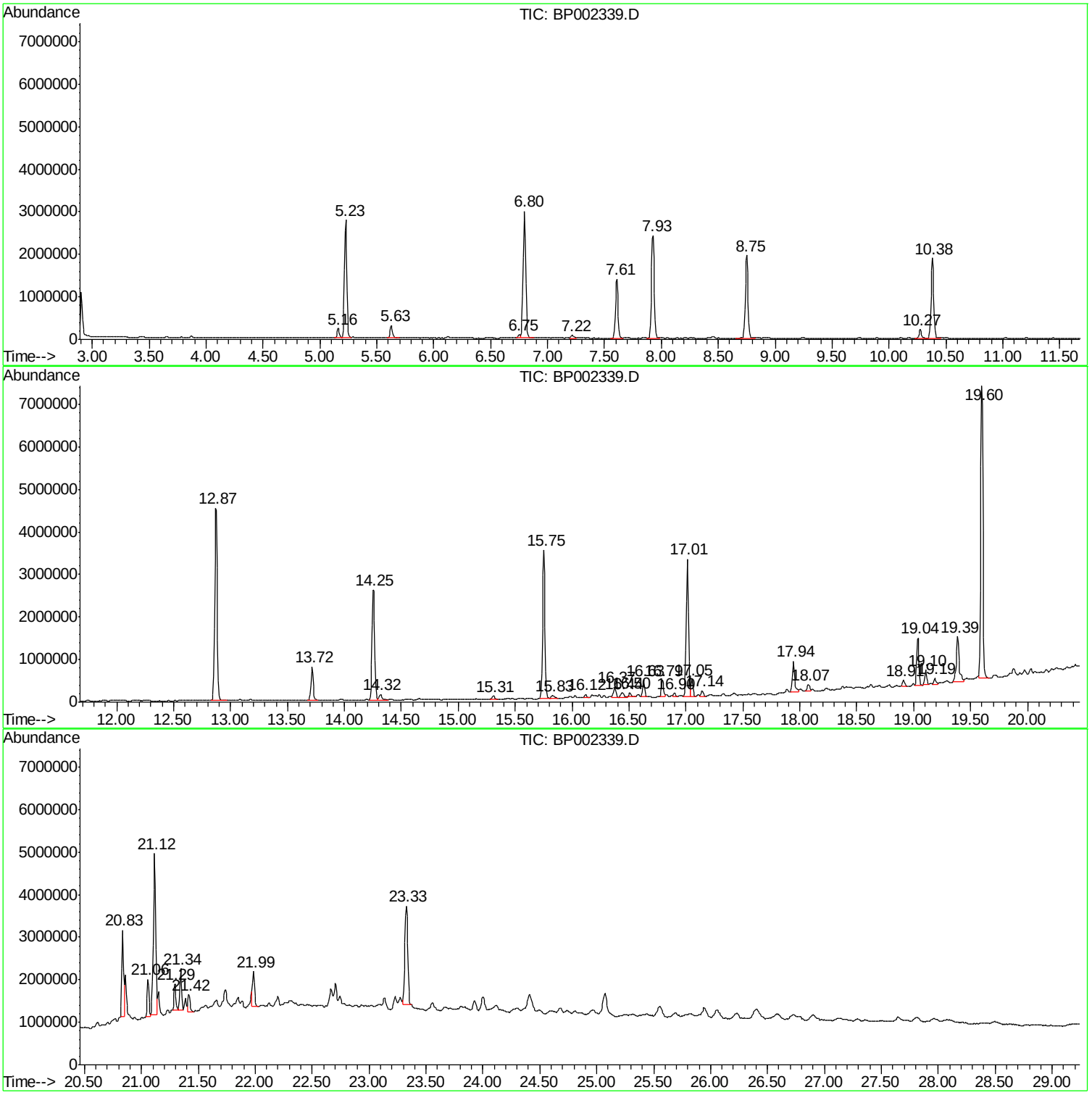
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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 P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

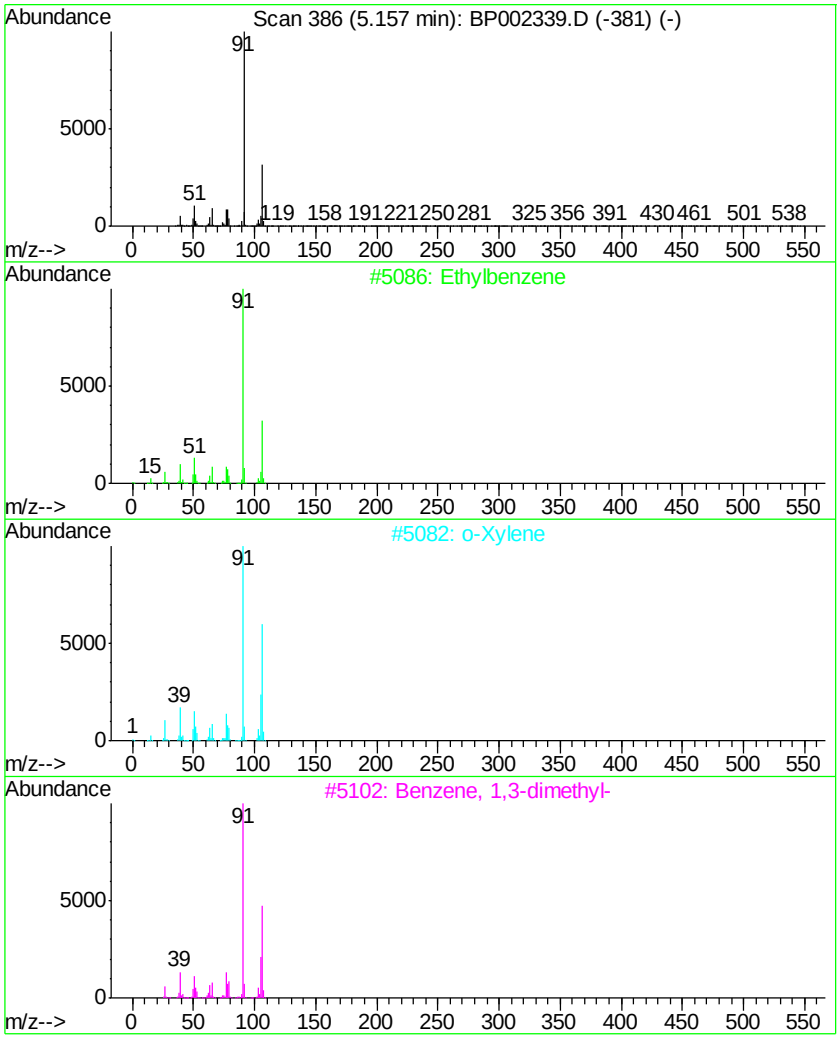
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

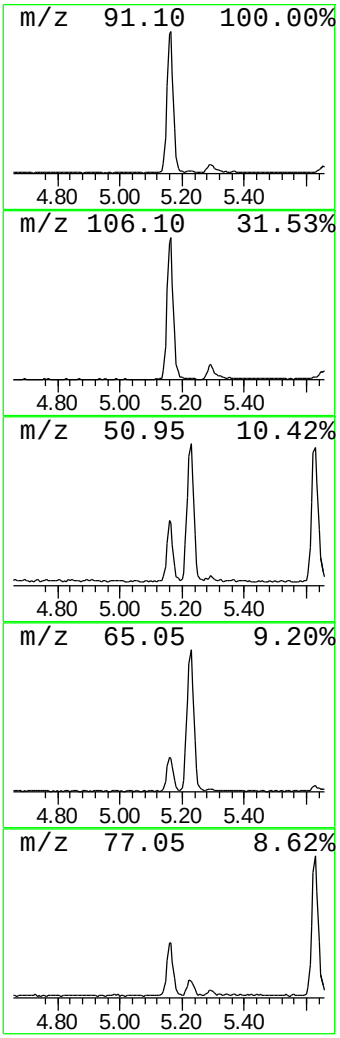
****

Peak Number 1 Ethylbenzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	2.88 ng	314717	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	94
2	o-Xylene	106	C8H10	000095-47-6	72
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	72
4	p-Xylene	106	C8H10	000106-42-3	72
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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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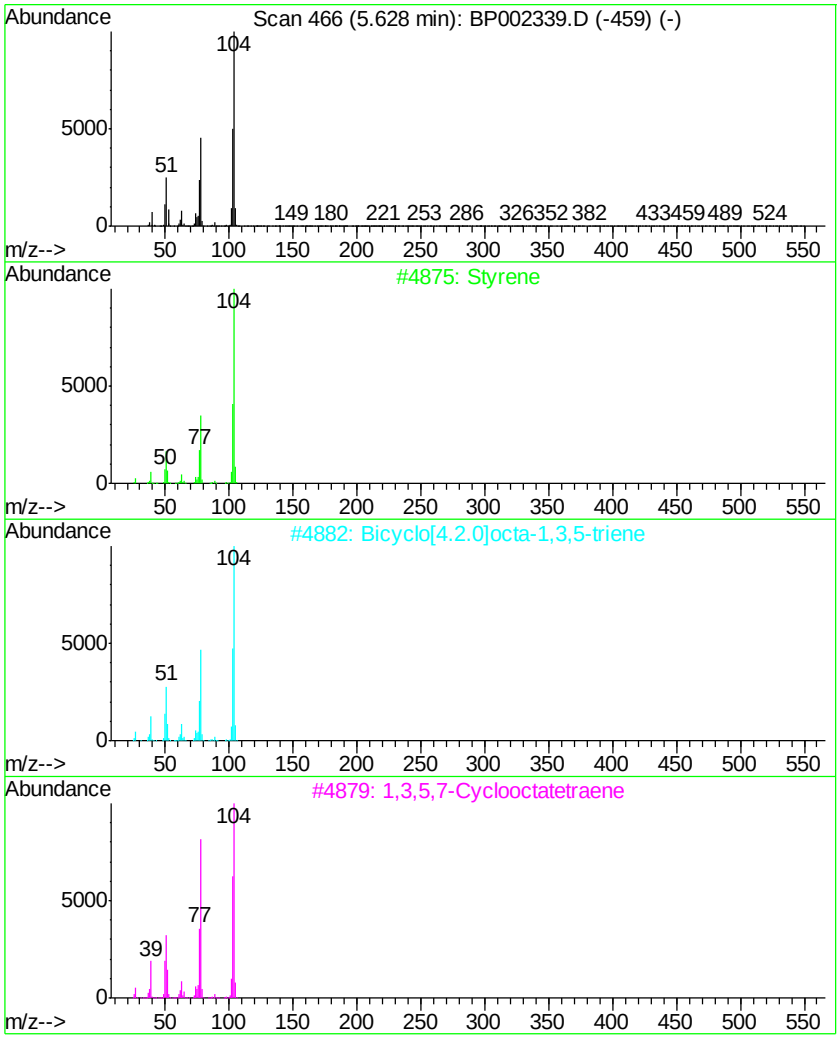
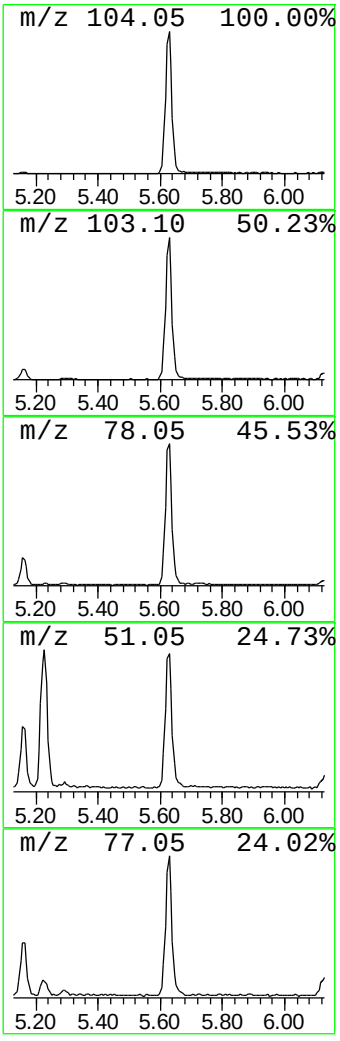
Peak Number 2 Styrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	4.29 ng	468230	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	97
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	94
3	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	50
5	1,3,7-Octatrien-5-yne	104	C8H8	016607-77-5	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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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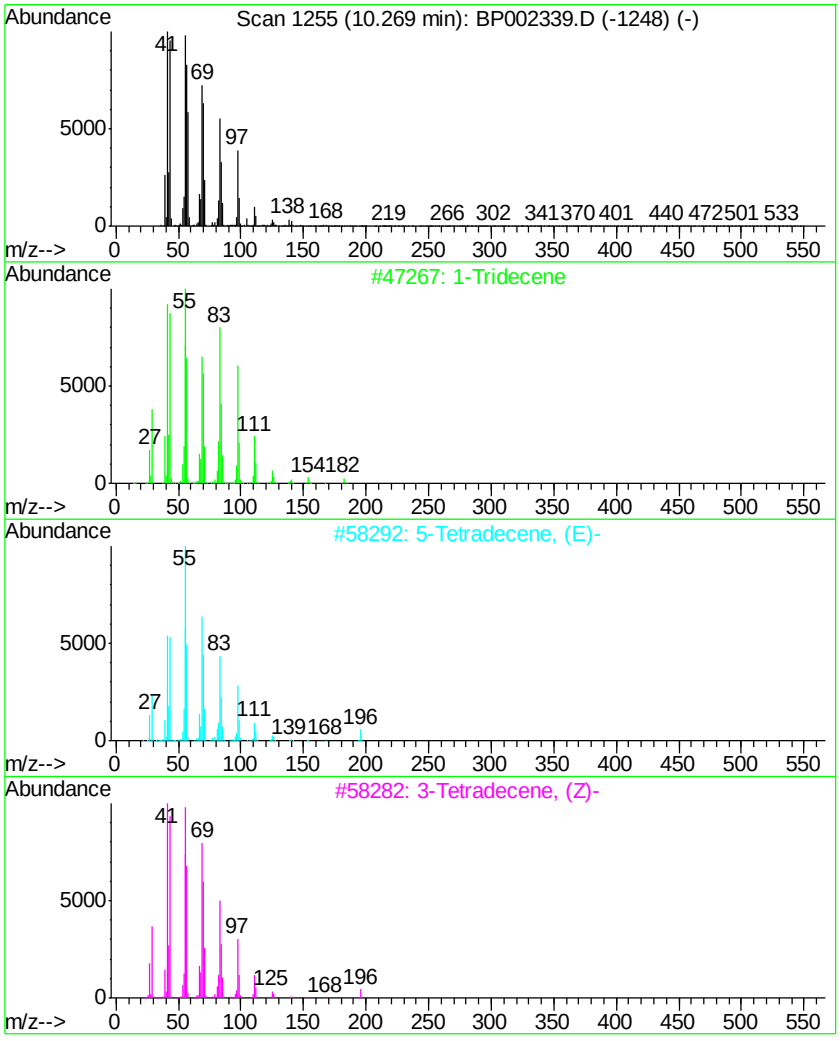
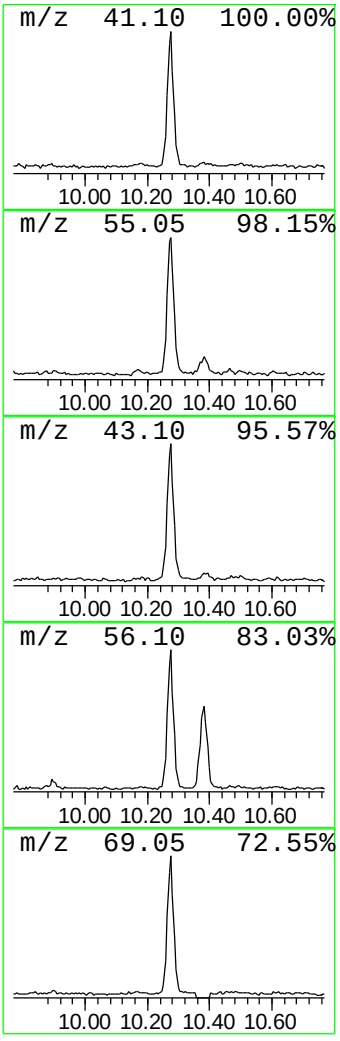
Peak Number 4 1-Tridecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.00 ng	307114	Naphthalene-d8	10.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tridecene	182	C13H26	002437-56-1	96
2	5-Tetradecene, (E)-	196	C14H28	041446-66-6	94
3	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	91
4	1-Decene	140	C10H20	000872-05-9	90
5	2-Tetradecene, (E)-	196	C14H28	035953-54-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

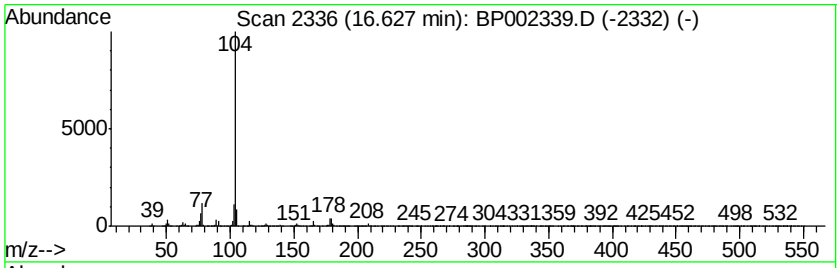
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

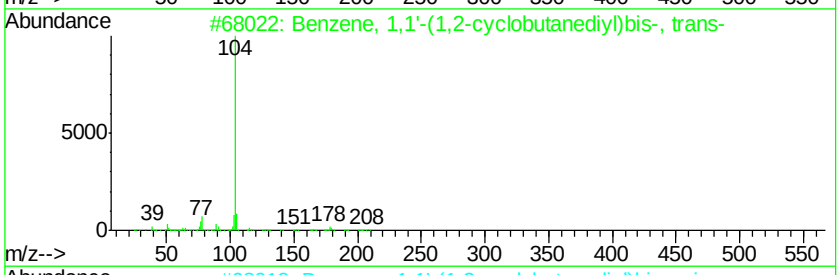
****

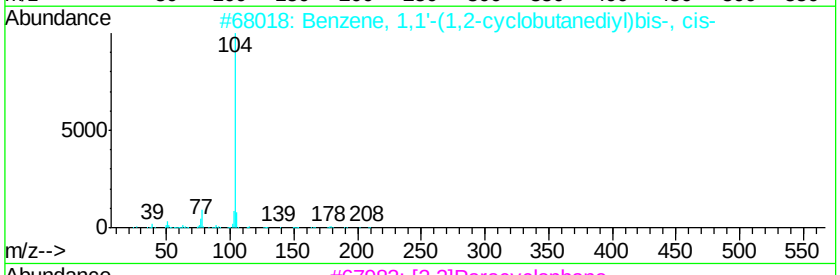
Peak Number 5 Benzene, 1,1'-(1,2-cyclobut... Concentration Rank 9

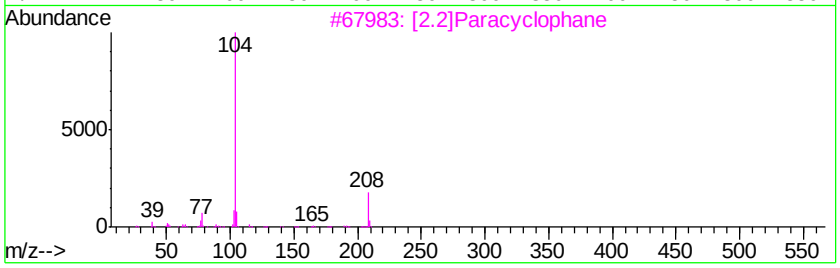
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.01 ng	474224	Phenanthrene-d10	17.01

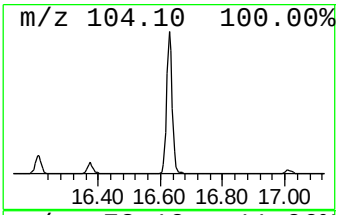
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	90
2	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	64
3	[2.2]Paracyclophane	208	C16H16	001633-22-3	64
4	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	64
5	Benzene, cyclobutyl-	132	C10H12	004392-30-7	50

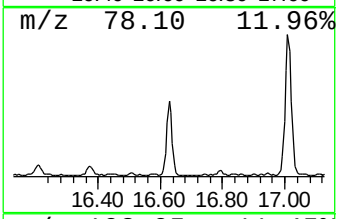


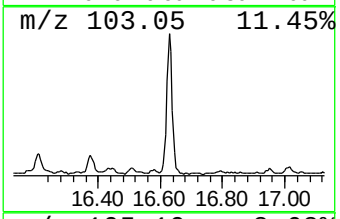


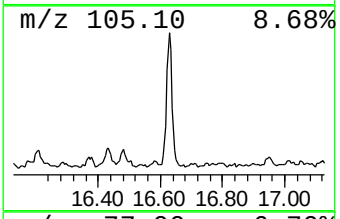


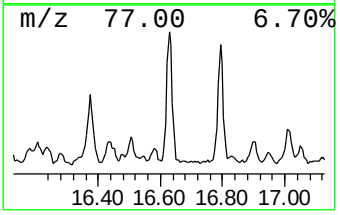












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

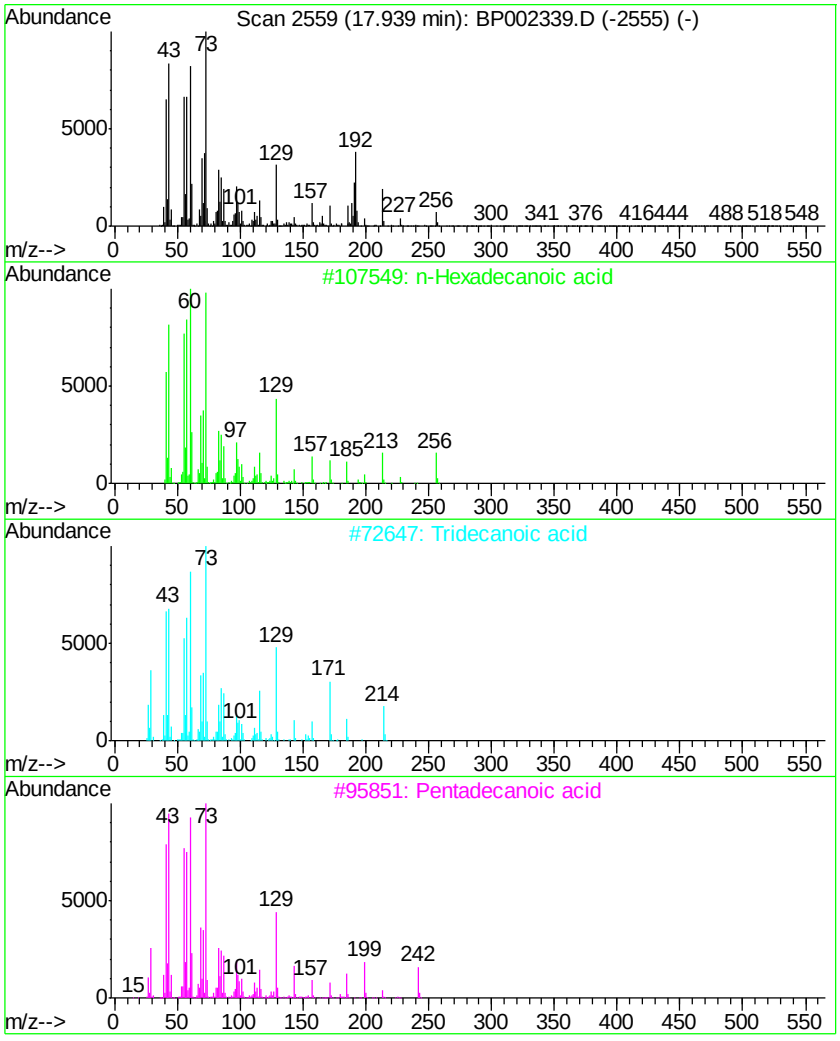
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

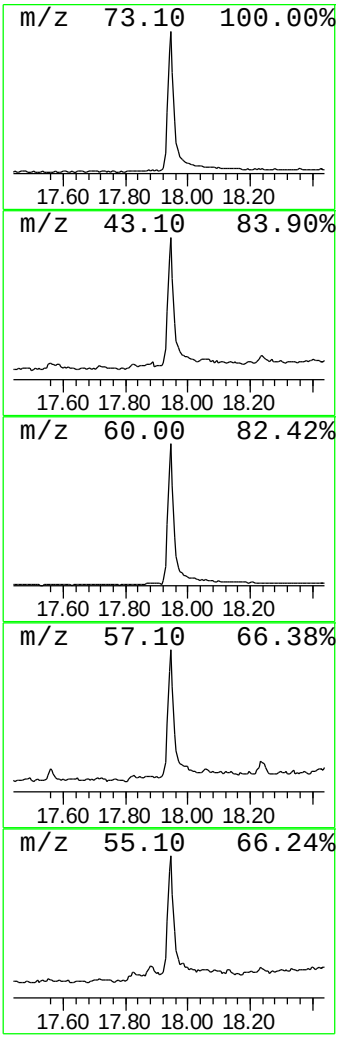
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.69 ng	1105800	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

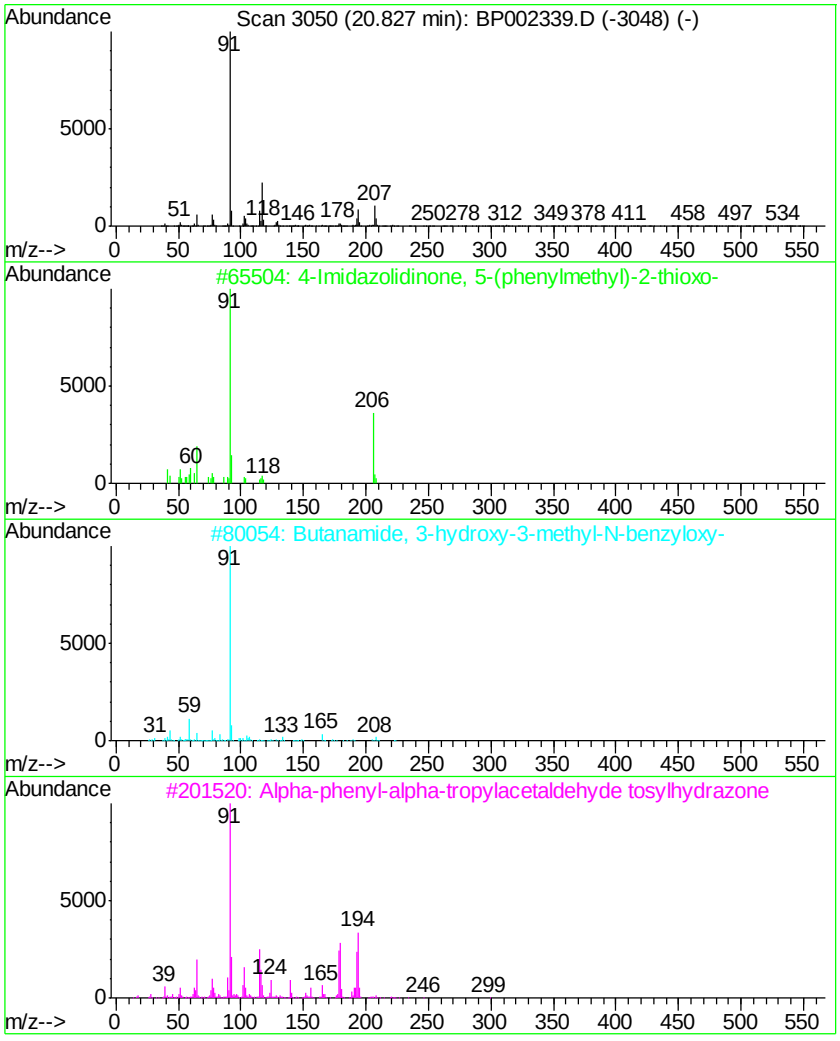
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

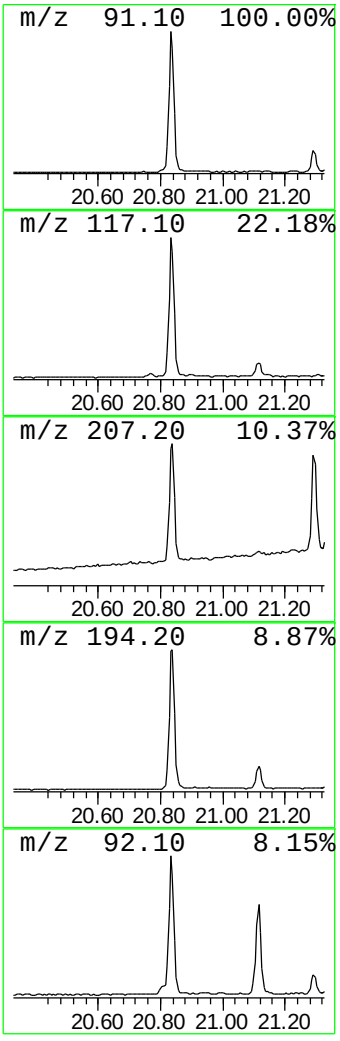
****

Peak Number 7 unknown20.83 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	9.46 ng	2515120	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Imidazolidinone, 5-(phenylmeth...	206	C10H10N2OS	006330-09-2	17
2	Butanamide, 3-hydroxy-3-methyl-N...	223	C12H17NO3	1000185-71-6	14
3	Alpha-phenyl-alpha-tropylacetald...	378	C22H22N2O2S	022532-16-7	12
4	3-Phenylthiane,S-oxide	194	C11H14OS	058121-26-9	12
5	Piperazine-2,5-dione, 6-benzyl-3...	288	C12H11F3N2O3	1000303-24-1	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

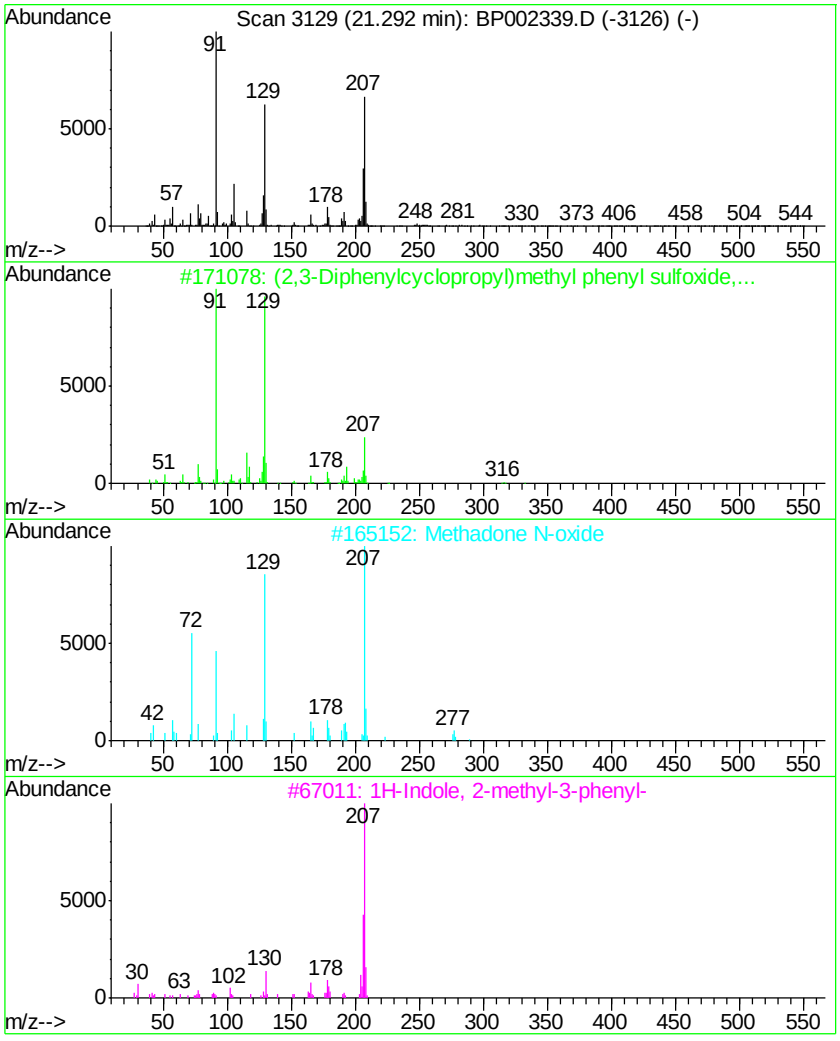
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

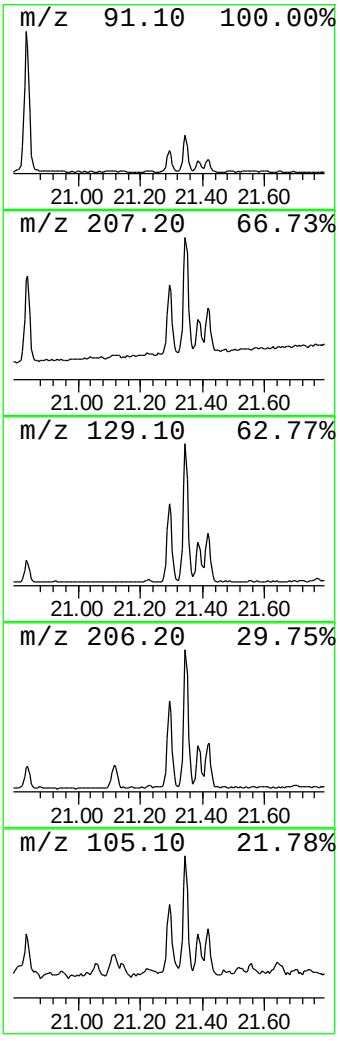
****

Peak Number 8 (2,3-Diphenylcyclopropyl)me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.82 ng	748740	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	59
2	Methadone N-oxide	325	C21H27NO2	1000120-80-7	49
3	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	43
4	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	41
5	3-Methyl-2-phenylindole	207	C15H13N	010257-92-8	30





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Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

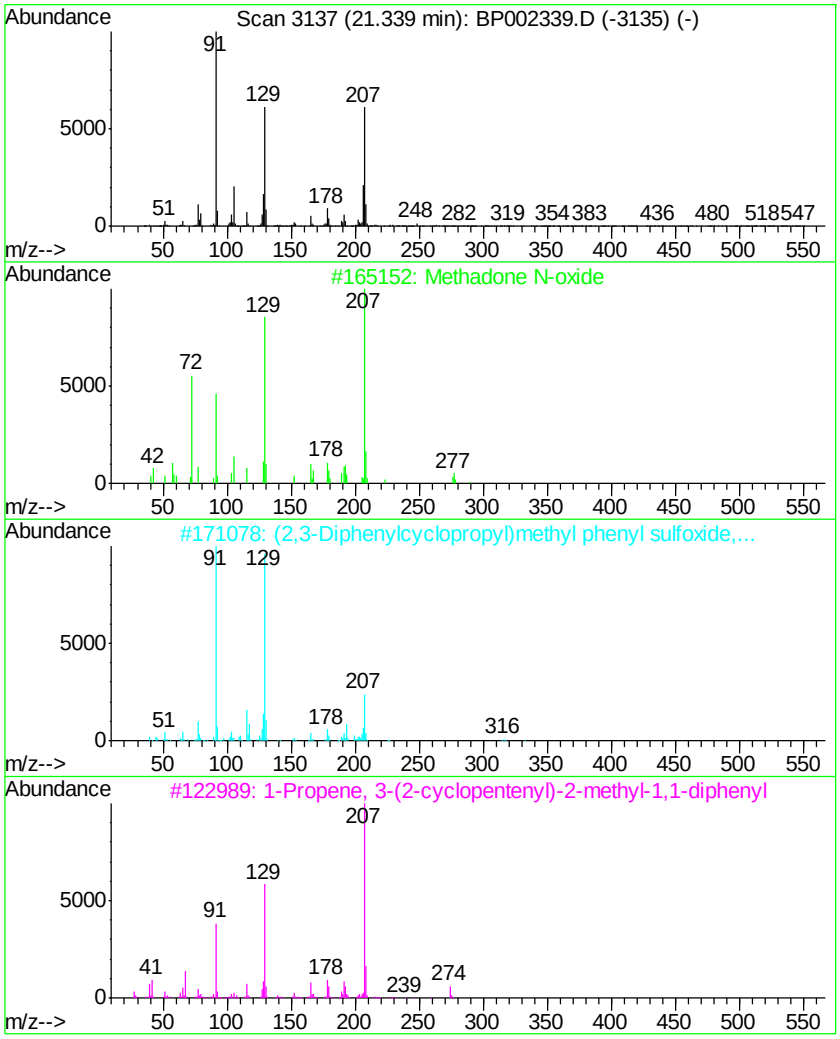
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

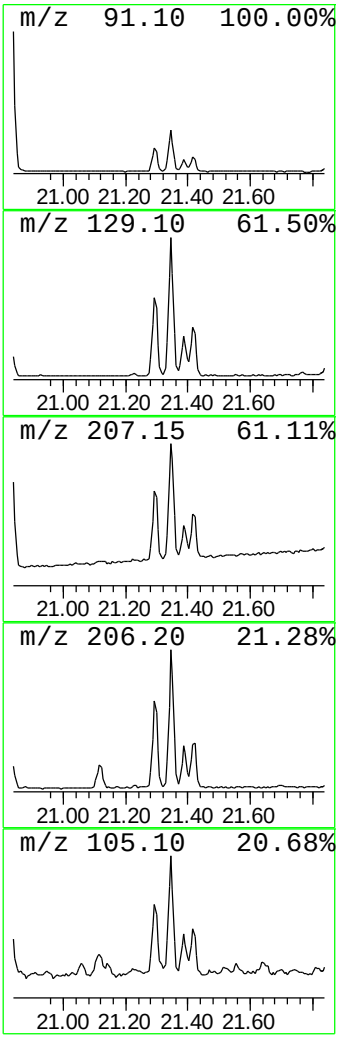
****

Peak Number 9 Methadone N-oxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.87 ng	1030290	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	52
2	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	50
3	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	43
4	3-Methyl-2-phenylindole	207	C15H13N	010257-92-8	42
5	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

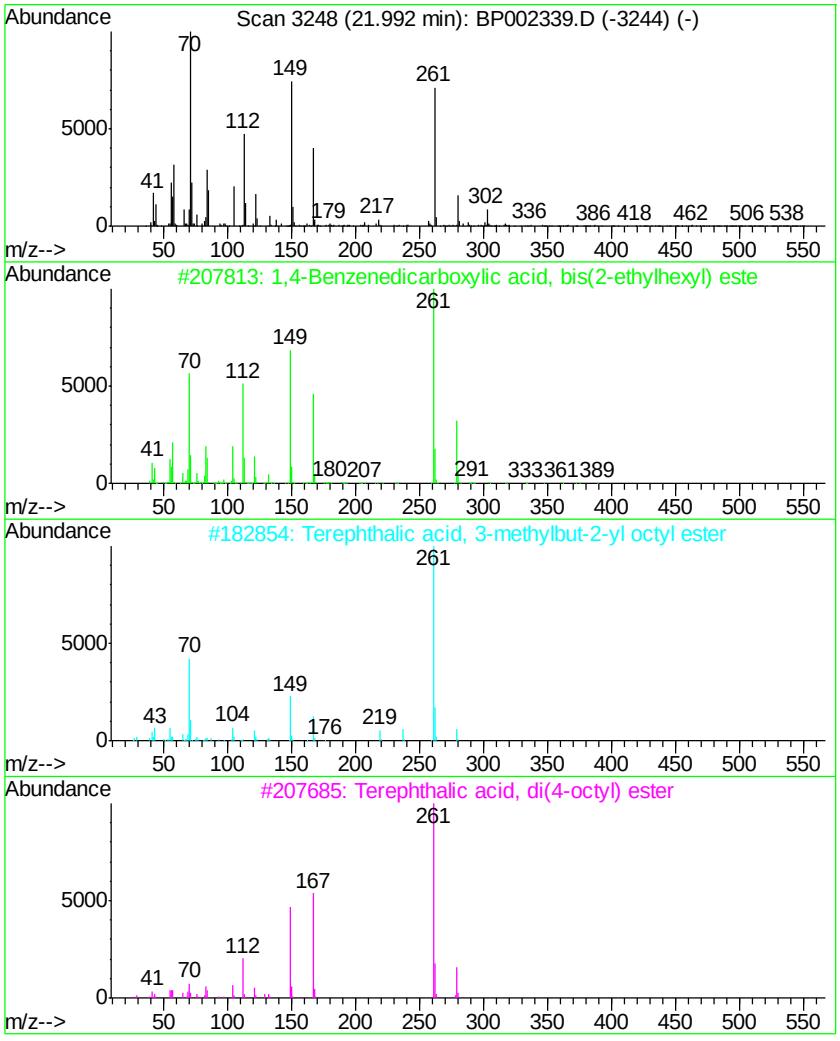
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

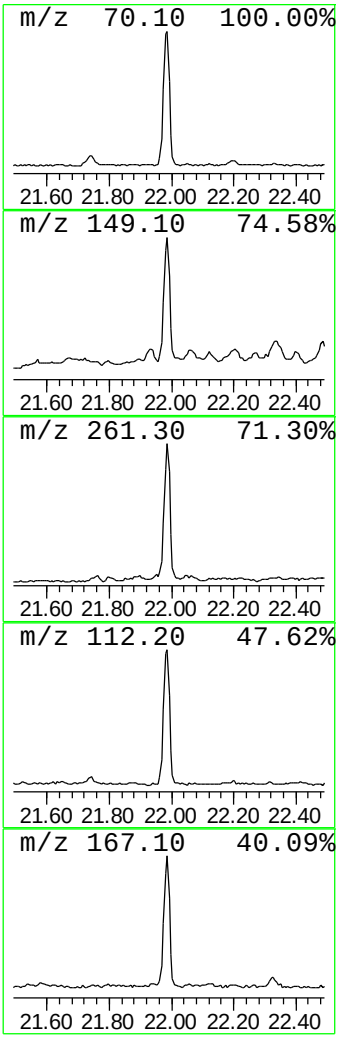
****

Peak Number 10 1,4-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	4.22 ng	1122070	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	72
2	Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	47
3	Terephthalic acid, di(4-octyl) e...	390	C24H38O4	1000323-74-2	43
4	Terephthalic acid, 2-ethylhexyl ...	390	C24H38O4	1000324-00-5	38
5	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP060120\
Data File : BP002339.D
Acq On : 01 Jun 2020 15:10
Operator : CG/JU
Sample : L2776-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 225

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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
Ethylbenzene	5.16	2.9	ng	314717	1	7.61	2182570	20.0
Styrene	5.63	4.3	ng	468230	1	7.61	2182570	20.0
1-Tridecene	10.27	2.0	ng	307114	2	10.38	3066340	20.0
Benzene, 1,1'-(1,...	16.63	2.0	ng	474224	4	17.01	4710750	20.0
n-Hexadecanoic acid	17.94	4.7	ng	1105800	4	17.01	4710750	20.0
unknown20.83	20.83	9.5	ng	2515120	5	21.12	5318020	20.0
(2,3-Diphenylcycl...	21.29	2.8	ng	748740	5	21.12	5318020	20.0
Methadone N-oxide	21.34	3.9	ng	1030290	5	21.12	5318020	20.0
1,4-Benzenedicarb...	21.99	4.2	ng	1122070	5	21.12	5318020	20.0