LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

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-BP091619.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	5.417	562	566	570	rBV	3724735	3626083	54.43%	5.686%
2	6.434	734	739	749	rVB	4642906	4859161	72.94%	7.619%
3	6.564	757	761	764	rBV	5409918	4655295	69.88%	7.299%
4	6.793	796	800	803	rBV	1895632	1464787	21.99%	2.297%
5	6.952	823	827	830	rBV	4479898	3897145	58.50%	6.111%
6	7.052	840	844	851	rBV4	126278	185914	2.79%	0.292%
7	7.199	865	869	872	rBV2	180188	194513	2.92%	0.305%
8	7.346	888	894	897	rBV	2157557	1875199	28.15%	2.940%
9	8.075	1014	1018	1020	rBV	2320510	1804505	27.09%	2.829%
10	8.422	1073	1077	1081	rBV3	128337	163326	2.45%	0.256%
11	8.834	1144	1147	1153	rBV	488645	459494	6.90%	0.720%
12	9.069	1182	1187	1191	rBV5	275177	453400	6.81%	0.711%
13	9.152	1198	1201	1204	rBV	6901080	5337271	80.12%	8.369%
14	9.234	1211	1215	1218	rBV2	250160	372172	5.59%	0.584%
15	9.293	1222	1225	1226	rBV	205779	211303	3.17%	0.331%
16	9.310	1226	1228	1232	rVB5	300890	279157	4.19%	0.438%
17	9.352	1232	1235	1240	rBV3	426473	551880	8.28%	0.865%
18	9.410	1242	1245	1246	rBV2	252442	218478	3.28%	0.343%
19	9.469	1252	1255	1257	rBV2	247788	192290	2.89%	0.302%
20	9.499	1257	1260	1265	rBV4	298628	587094	8.81%	0.921%
21	9.546	1265	1268	1273	rBV2	997220	1300225	19.52%	2.039%
22	9.693	1291	1293	1296	rBV	1601119	1502960	22.56%	2.357%
23	9.734	1298	1300	1302	rVV2	449118	296990	4.46%	0.466%
24	9.781	1306	1308	1311	rBV2	498456	506532	7.60%	0.794%
25	9.834	1312	1317	1321	rBV	2481686	3044496	45.70%	4.774%
26	9.957	1336	1338	1340	rVB	603382	423638	6.36%	0.664%
27	10.634	1450	1453	1456	rBV	2448931	2879996	43.23%	4.516%
28	15.098	2207	2212	2215	rBV	3531697	6661851	100.00%	10.446%
29	15.398	2260	2263	2269	rVB	2733083	4066044	61.03%	6.375%
30	15.469	2270	2275	2279	rVB	3805621	5197018	78.01%	8.149%
31	17.016	2532	2538	2546	rVB2	1925771	3915662	58.78%	6.140%
32	17.457	2609	2613	2630	rVB	1182748	2592765	38.92%	4.065%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13

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-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 63776644

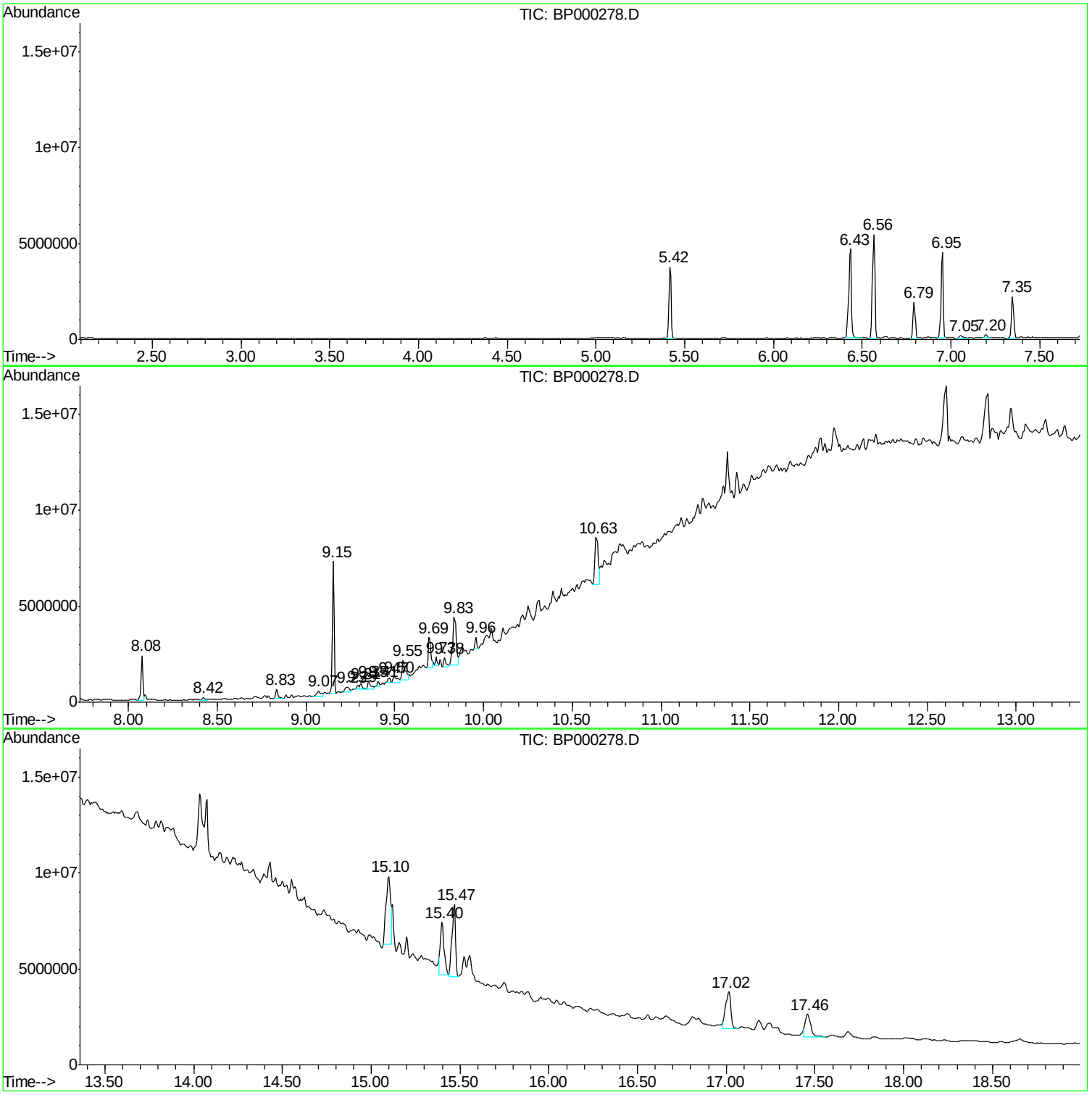
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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 P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

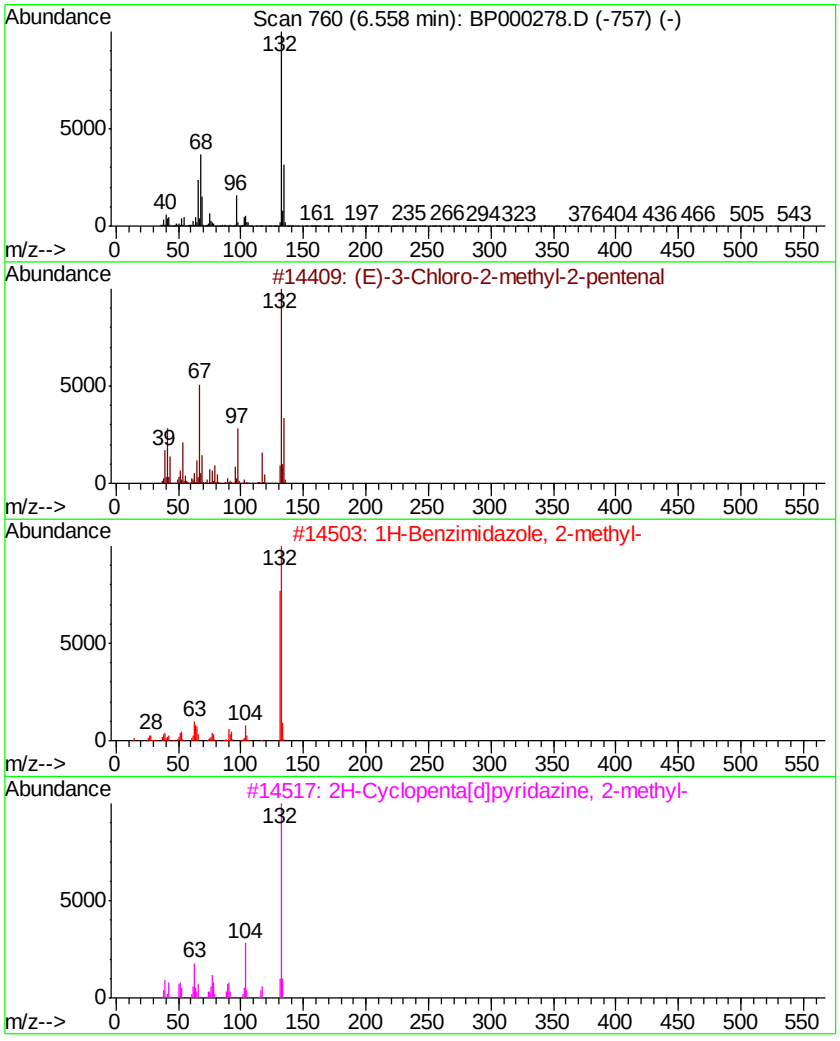
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

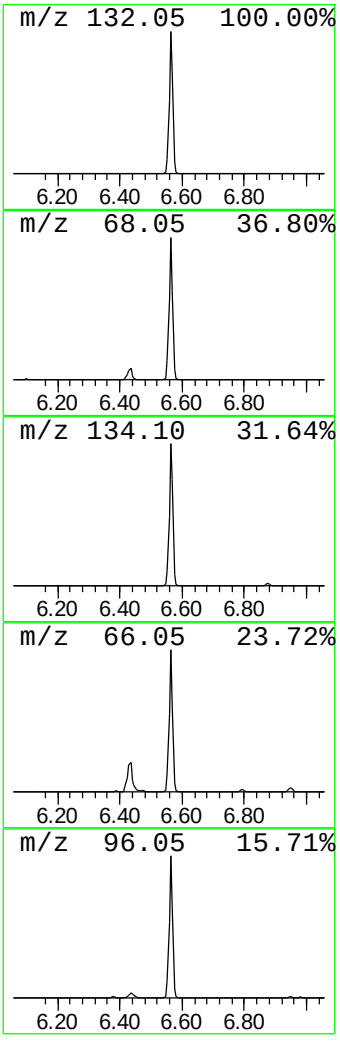
****

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	63.56 ng	4655300	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

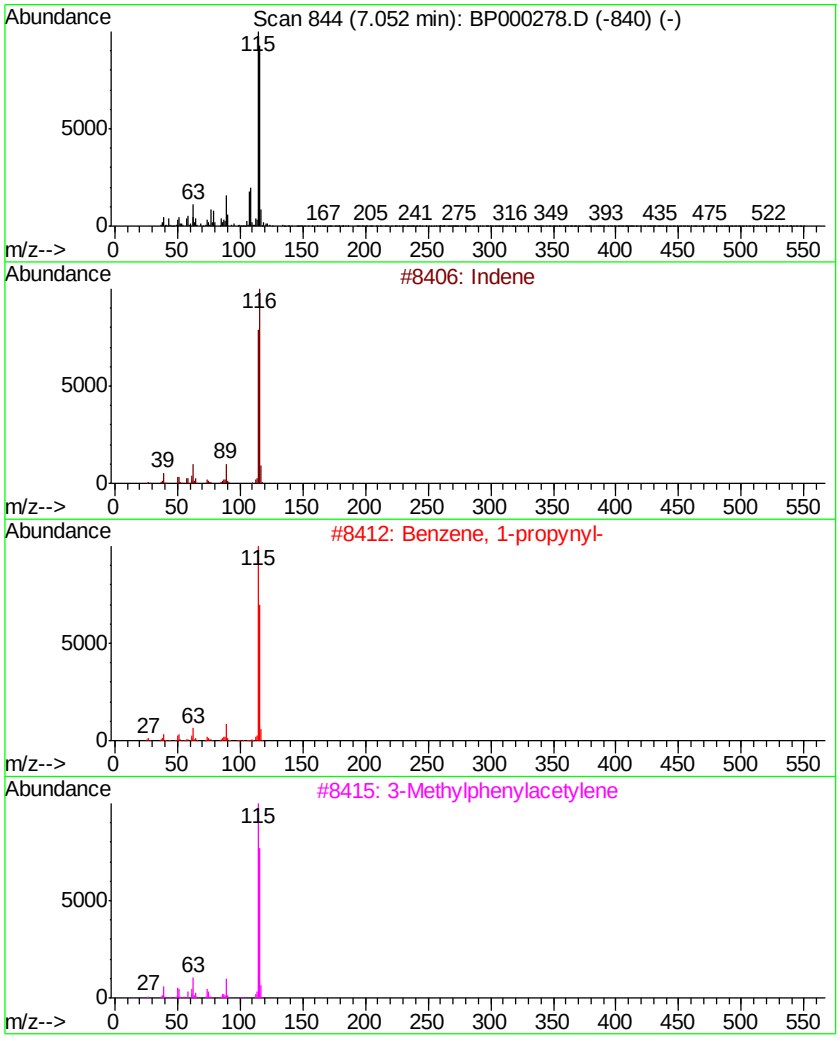
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

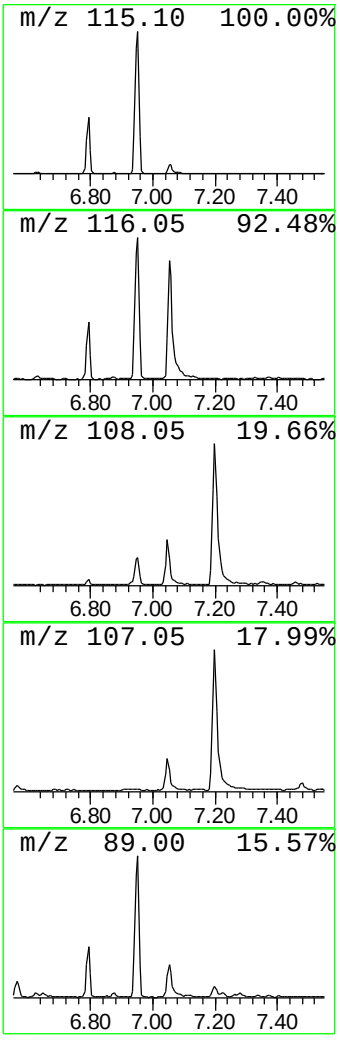
****

Peak Number 3 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	2.54 ng	185914	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	81
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	68
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

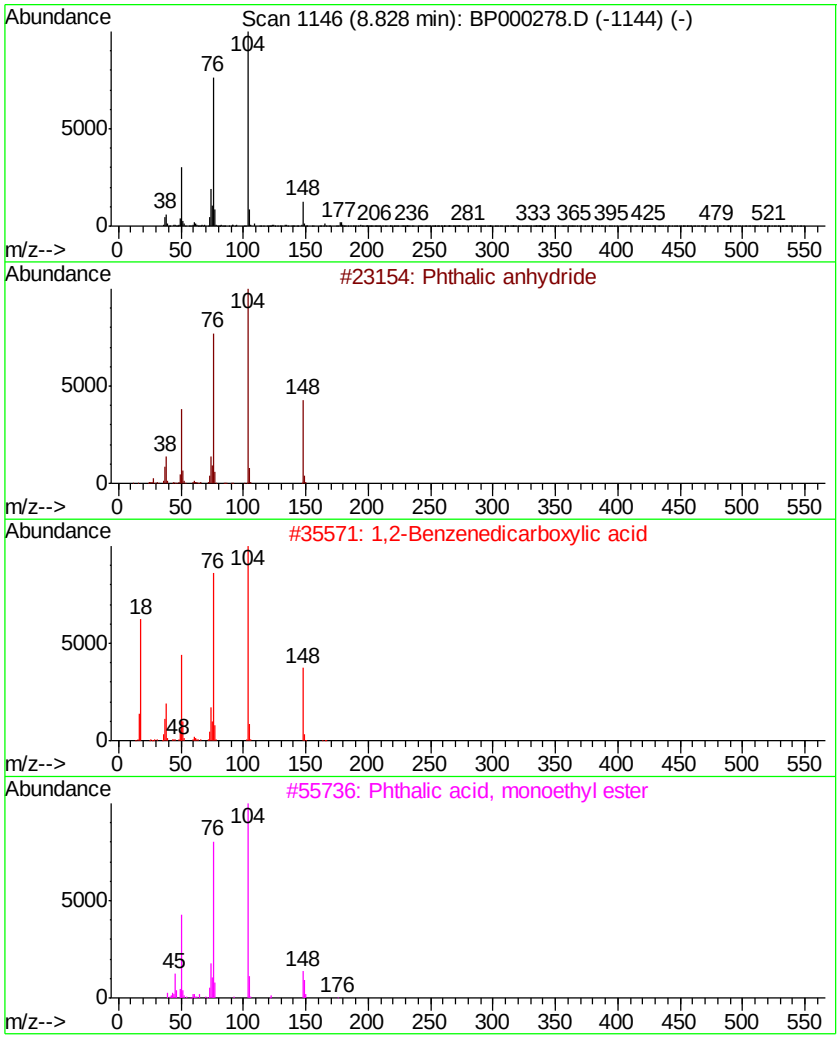
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

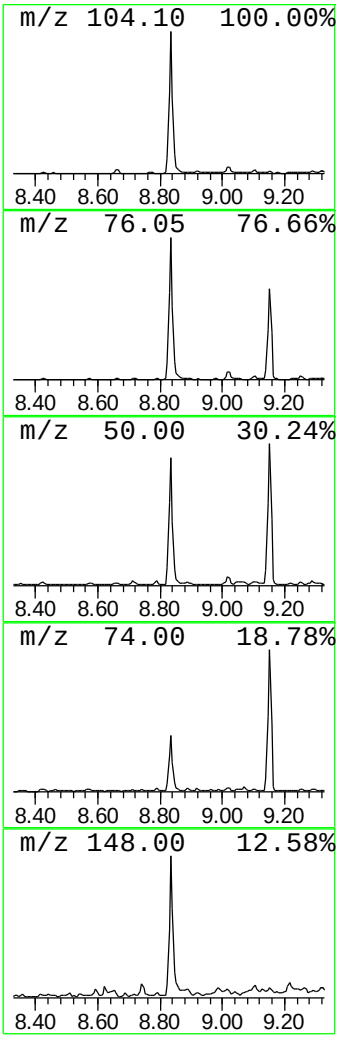
****

Peak Number 4 Phthalic anhydride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	5.09 ng	459494	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	95
2	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	83
3	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	83
4	Ninhydrin	178	C9H6O4	000485-47-2	83
5	Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

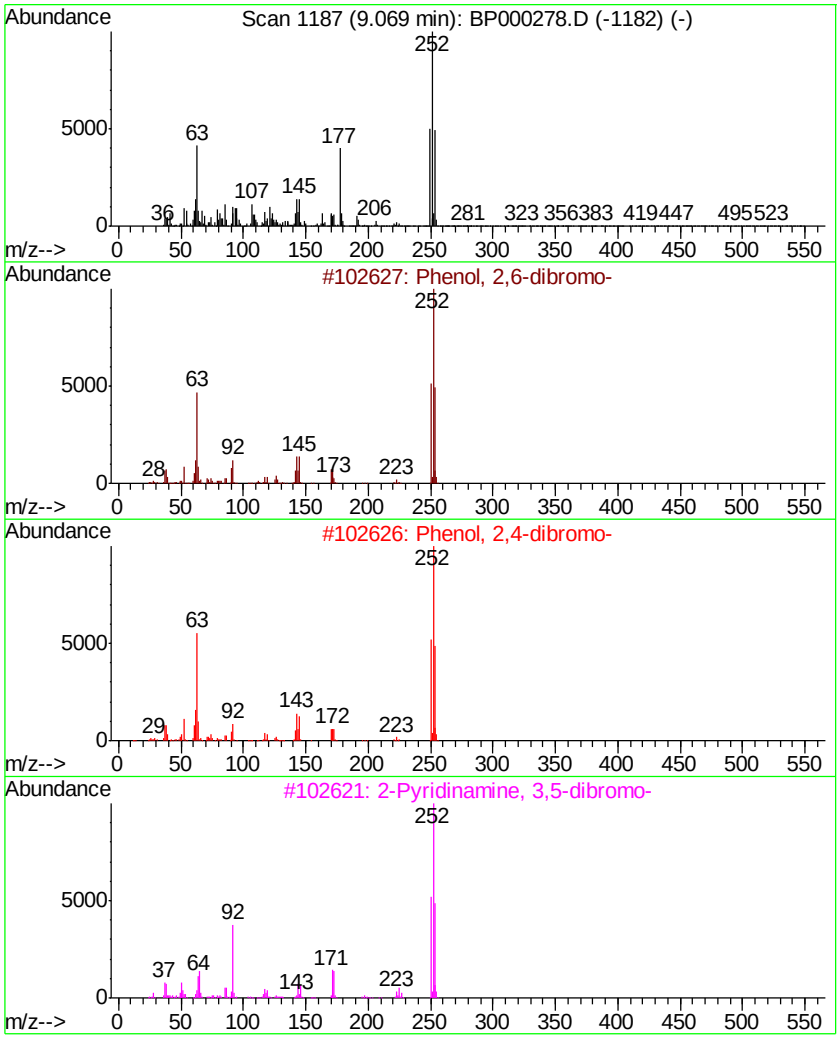
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

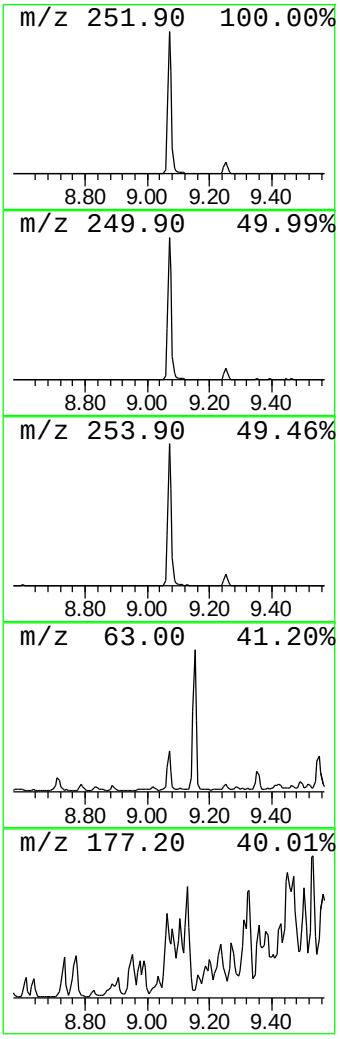
****

Peak Number 5 Phenol, 2,6-dibromo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	2.98 ng	453400	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dibromo-	250	C6H4Br2O	000608-33-3	99
2	Phenol, 2,4-dibromo-	250	C6H4Br2O	000615-58-7	99
3	2-Pyridinamine, 3,5-dibromo-	250	C5H4Br2N2	035486-42-1	38
4	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	35
5	1-(2-Bromo-2-chloroethenyl)-4-ch...	250	C8H5BrCl2	1000305-36-0	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

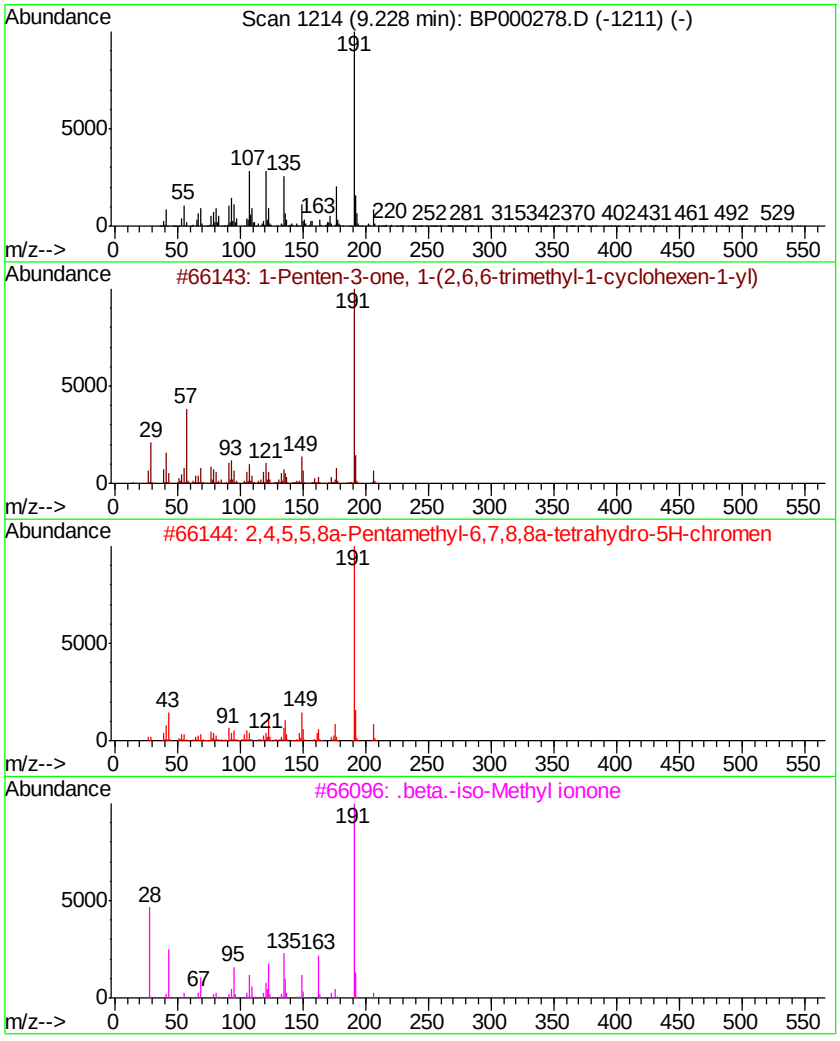
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

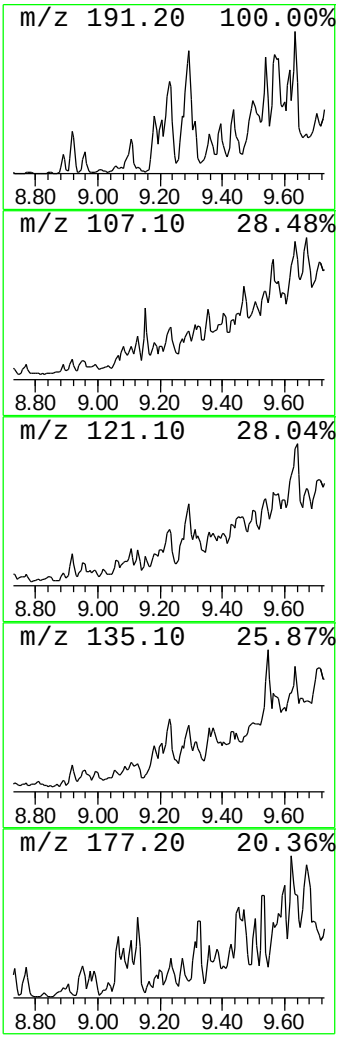
****

Peak Number 6 unknown9.23 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	2.44 ng	372172	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	43
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	42
4	Quinoline, 2-chloro-4,8-dimethyl-	191	C11H10ClN	1000337-72-5	38
5	Propanamide, 2,2-dimethyl-N-(3-m...	191	C12H17NO	032597-29-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

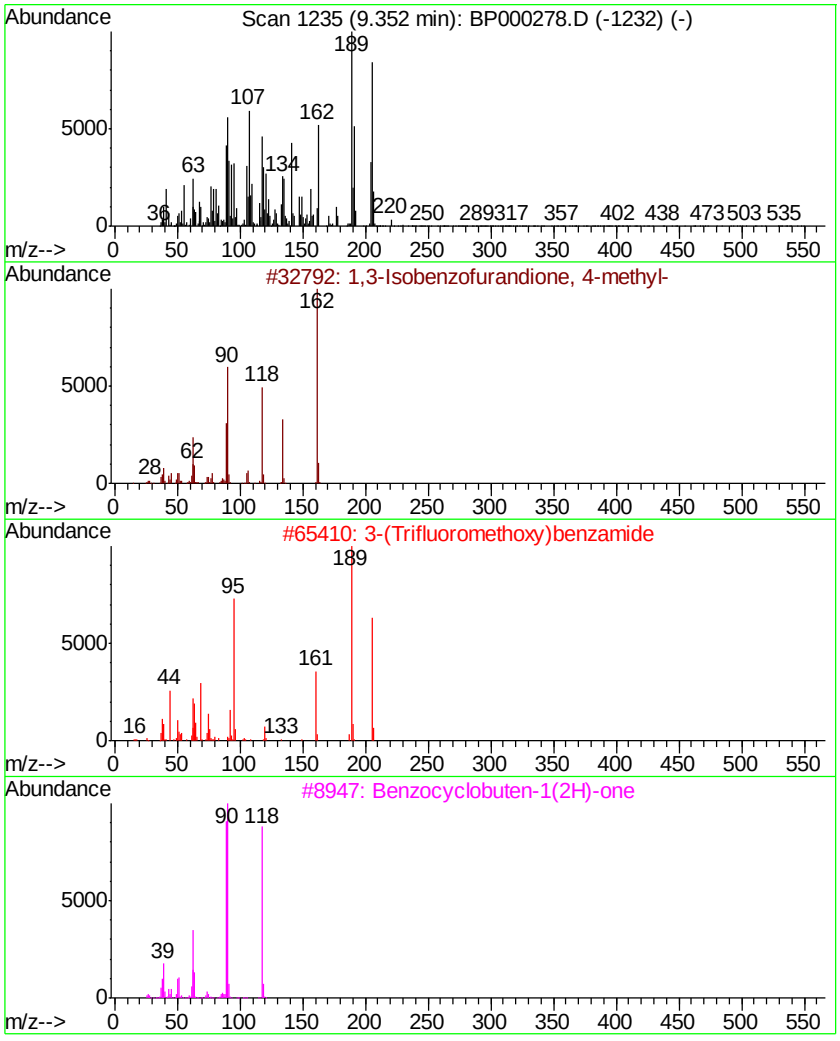
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

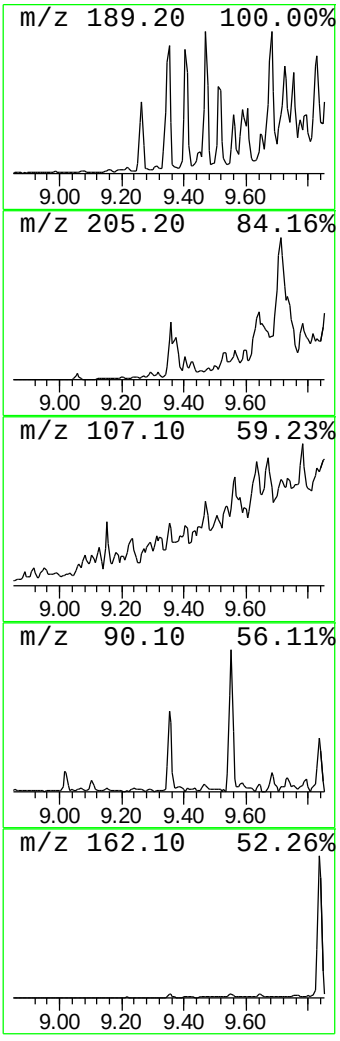
****

Peak Number 7 unknown9.35 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.63 ng	551880	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Isobenzofurandione, 4-methyl-	162	C9H6O3	004792-30-7	49
2	3-(Trifluoromethoxy)benzamide	205	C8H6F3NO2	000658-91-3	27
3	Benzocyclobuten-1(2H)-one	118	C8H6O	003469-06-5	20
4	(-)-1,2,2.alpha.,3,3,4,6,7,8,8.a...	204	C15H24	1000365-86-7	15
5	Tricyclazole	189	C9H7N3S	041814-78-2	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

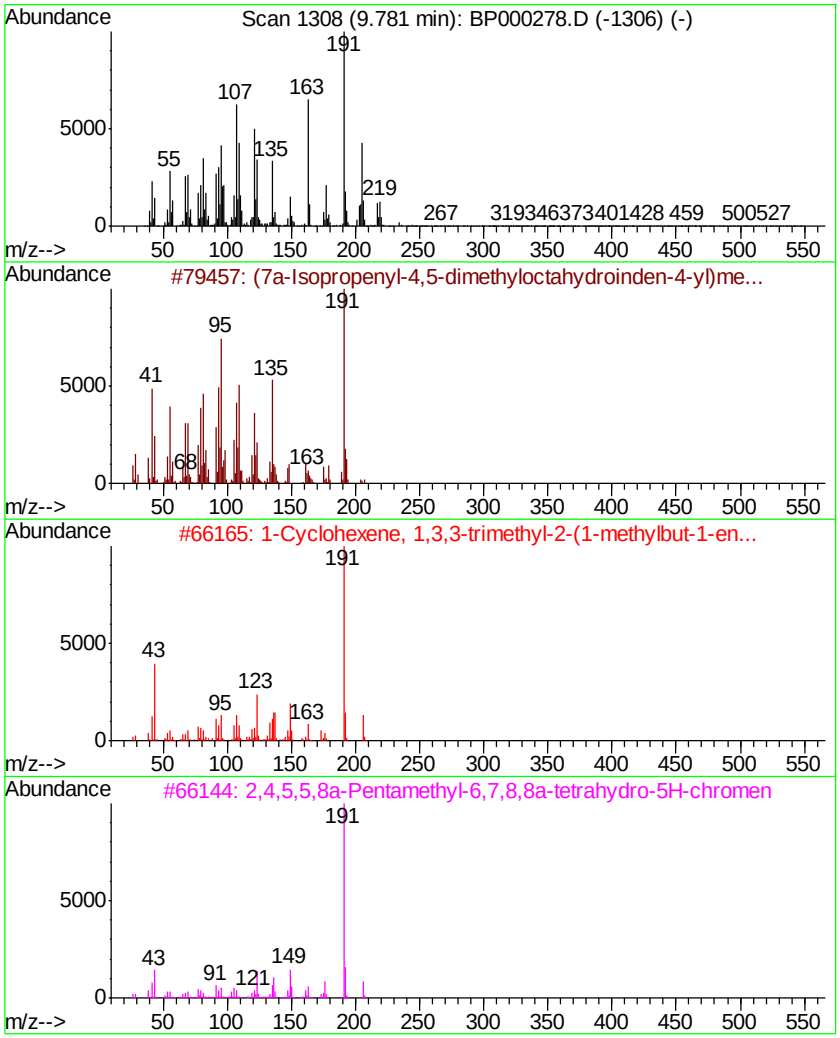
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

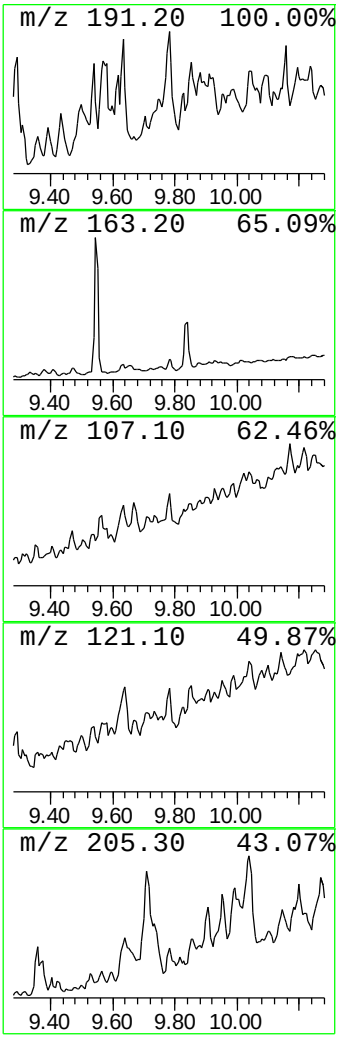
****

Peak Number 8 unknown9.78 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	3.33 ng	506532	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(7a-Isopropenyl-4,5-dimethyloctahydroinden-4-yl)me...	222	C15H26O	1000187-02-9	38
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	25
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	25
4	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	22
5	N-(Chroman-7-yl)-N-methylacetamide	205	C12H15NO2	1000306-69-5	20





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

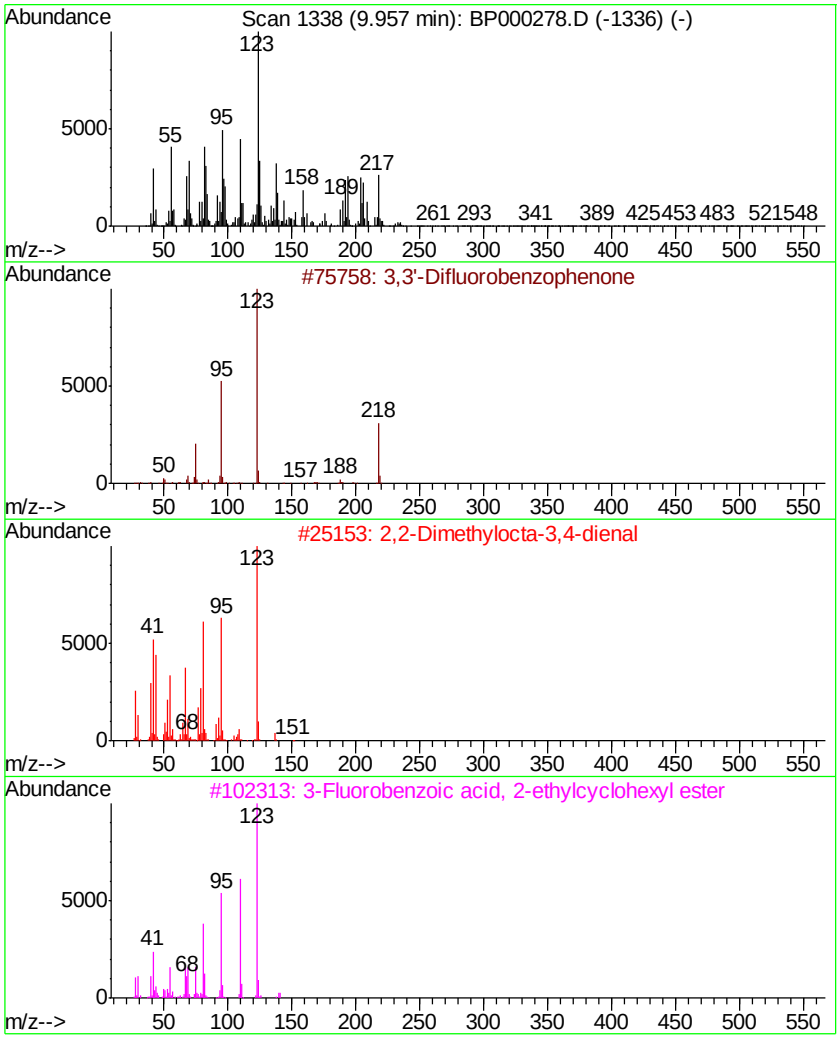
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

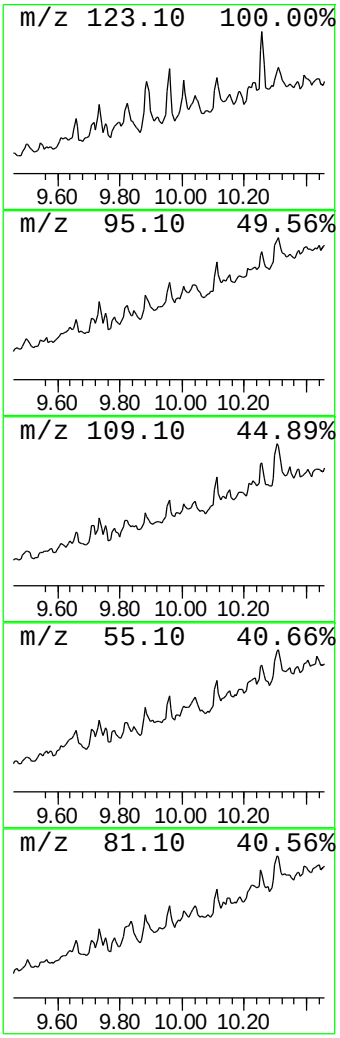
****

Peak Number 9 unknown9.96 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	2.78 ng	423638	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-Difluorobenzophenone	218	C13H8F2O	000345-70-0	30
2	2,2-Dimethylocta-3,4-dienal	152	C10H16O	000590-71-6	27
3	3-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19FO2	1000279-04-9	27
4	4-Fluorobenzoic acid, undec-10-e...	292	C18H25FO2	1000279-02-8	27
5	Ethanone, 1-(4-fluorophenyl)-	138	C8H7FO	000403-42-9	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

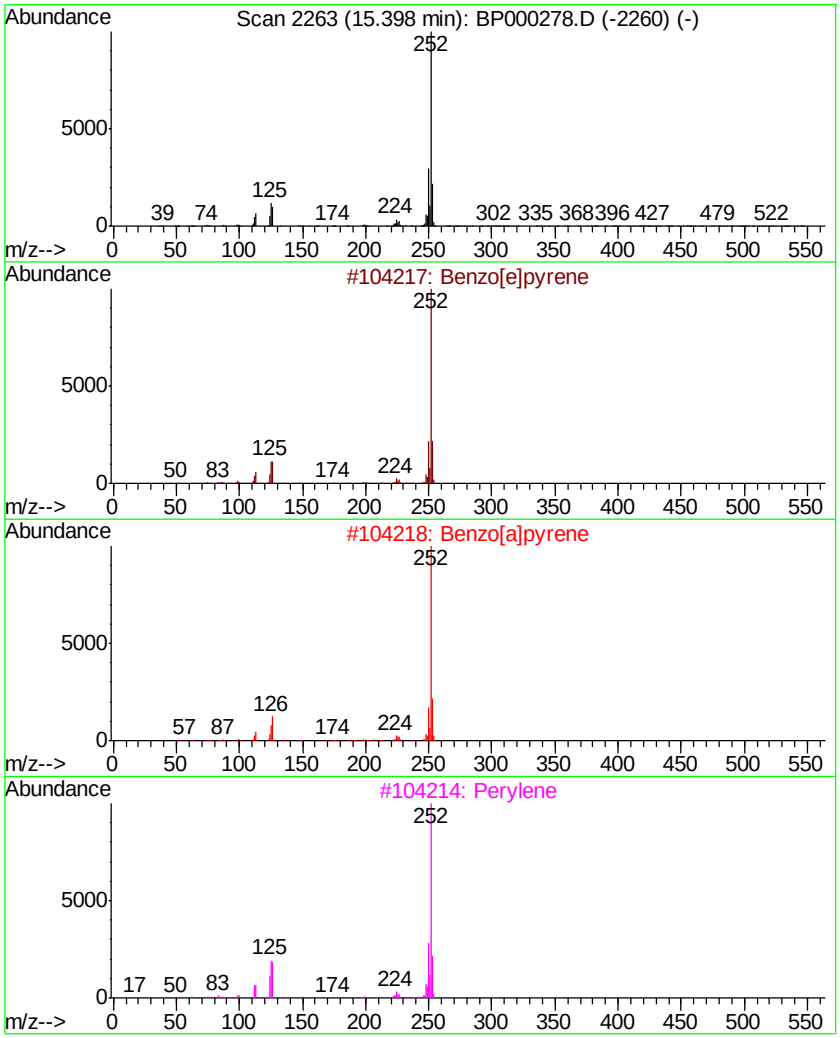
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

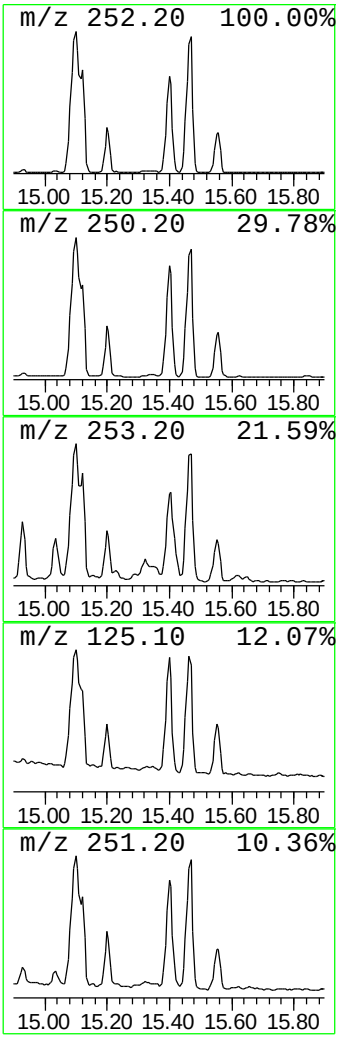
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	15.65 ng	4066040	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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
unknown6.56	6.56	63.6	ng	4655300	1	6.79	1464790	20.0
Indene	7.05	2.5	ng	185914	1	6.79	1464790	20.0
Phthalic anhydride	8.83	5.1	ng	459494	2	8.08	1804510	20.0
Phenol, 2,6-dibromo-	9.07	3.0	ng	453400	3	9.83	3044500	20.0
unknown9.23	9.23	2.4	ng	372172	3	9.83	3044500	20.0
unknown9.35	9.35	3.6	ng	551880	3	9.83	3044500	20.0
unknown9.78	9.78	3.3	ng	506532	3	9.83	3044500	20.0
unknown9.96	9.96	2.8	ng	423638	3	9.83	3044500	20.0
Benzo[e]pyrene	15.40	15.7	ng	4066040	6	15.52	5197020	20.0