LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

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-BP100119.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	4.958	482	488	491	rBV	1853187	2072186	46.87%	4.772%
2	5.375	556	559	572	rVB	668784	625456	14.15%	1.440%
3	5.728	616	619	632	rVB3	24054	63777	1.44%	0.147%
4	6.299	712	716	720	rBV	278584	259499	5.87%	0.598%
5	6.393	728	732	742	rBV	3407202	3294938	74.52%	7.589%
6	6.522	750	754	761	rBV	2360064	1896579	42.90%	4.368%
7	6.752	789	793	796	rBV	1457041	1181239	26.72%	2.721%
8	6.816	801	804	808	rBV	135693	101838	2.30%	0.235%
9	6.905	815	819	823	rBV	3805954	3311428	74.90%	7.627%
10	7.310	884	888	891	rVB	2843669	2316611	52.40%	5.335%
11	7.528	921	925	928	rBV	194347	167695	3.79%	0.386%
12	8.034	1007	1011	1014	rBV	1795961	1466334	33.17%	3.377%
13	8.675	1116	1120	1126	rBV2	77622	84627	1.91%	0.195%
14	8.752	1126	1133	1135	rBV3	56581	72372	1.64%	0.167%
15	8.781	1135	1138	1142	rBV2	66739	59954	1.36%	0.138%
16	9.116	1191	1195	1198	rBV	5554568	4383763	99.15%	10.096%
17	9.216	1205	1212	1216	rBV5	64361	128683	2.91%	0.296%
18	9.510	1259	1262	1267	rBV	944550	759569	17.18%	1.749%
19	9.657	1283	1287	1292	rBV	170601	189468	4.29%	0.436%
20	9.710	1294	1296	1299	rVB2	60223	62124	1.41%	0.143%
21	9.799	1307	1311	1314	rVB	2082121	1748857	39.56%	4.028%
22	10.046	1350	1353	1355	rVB	101849	83872	1.90%	0.193%
23	10.346	1402	1404	1411	rVB3	46877	64977	1.47%	0.150%
24	10.593	1443	1446	1448	rBV	64747	60818	1.38%	0.140%
25	10.716	1464	1467	1475	rVB4	101674	175782	3.98%	0.405%
26	10.781	1475	1478	1481	rBV	62808	70535	1.60%	0.162%
27	10.957	1505	1508	1512	rBV4	67742	69533	1.57%	0.160%
28	11.022	1516	1519	1521	rBV	154722	127044	2.87%	0.293%
29	11.157	1539	1542	1546	rBV	552813	469826	10.63%	1.082%
30	11.293	1562	1565	1568	rBV	2095781	1913194	43.27%	4.406%
31	11.316	1568	1569	1572	rVV	352301	228449	5.17%	0.526%
32	11.369	1574	1578	1581	rVB2	281551	325790	7.37%	0.750%
33	11.528	1603	1605	1608	rVB	73606	56332	1.27%	0.130%
34	11.804	1649	1652	1654	rBV	76093	63715	1.44%	0.147%

LSC Area Percent Report

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Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

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-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.828	1654	1656	1659	rBV	77359	72867	1.65%	0.168%
36	11.875	1662	1664	1666	rBV2	67976	69813	1.58%	0.161%
37	11.916	1669	1671	1674	rVB	134382	118787	2.69%	0.274%
38	12.357	1743	1746	1749	rBV	152104	167637	3.79%	0.386%
39	12.457	1761	1763	1766	rVB	132397	112769	2.55%	0.260%
40	12.522	1770	1774	1777	rBV	973612	815776	18.45%	1.879%
41	12.569	1779	1782	1783	rBV2	92773	80494	1.82%	0.185%
42	12.616	1788	1790	1793	rBV	106920	88786	2.01%	0.204%
43	12.751	1808	1813	1816	rBV	1027744	964446	21.81%	2.221%
44	12.898	1835	1838	1842	rBV	4795178	4421257	100.00%	10.183%
45	13.087	1867	1870	1873	rVB	326149	268938	6.08%	0.619%
46	13.151	1878	1881	1884	rBV	261494	241027	5.45%	0.555%
47	13.193	1886	1888	1890	rVV2	132395	104695	2.37%	0.241%
48	13.316	1907	1909	1913	rBV	126770	123485	2.79%	0.284%
49	13.816	1991	1994	2001	rBV2	599355	703229	15.91%	1.620%
50	13.969	2015	2020	2022	rBV2	2175429	2831770	64.05%	6.522%
51	13.992	2022	2024	2027	rVB	596837	467858	10.58%	1.078%
52	14.457	2101	2103	2106	rVB	283622	233057	5.27%	0.537%
53	15.016	2195	2198	2201	rBV	561962	750832	16.98%	1.729%
54	15.316	2247	2249	2256	rVB	402276	537208	12.15%	1.237%
55	15.381	2257	2260	2266	rBV	520511	687183	15.54%	1.583%
56	15.445	2267	2271	2275	rBV	1352125	1601127	36.21%	3.688%

Sum of corrected areas: 43419905

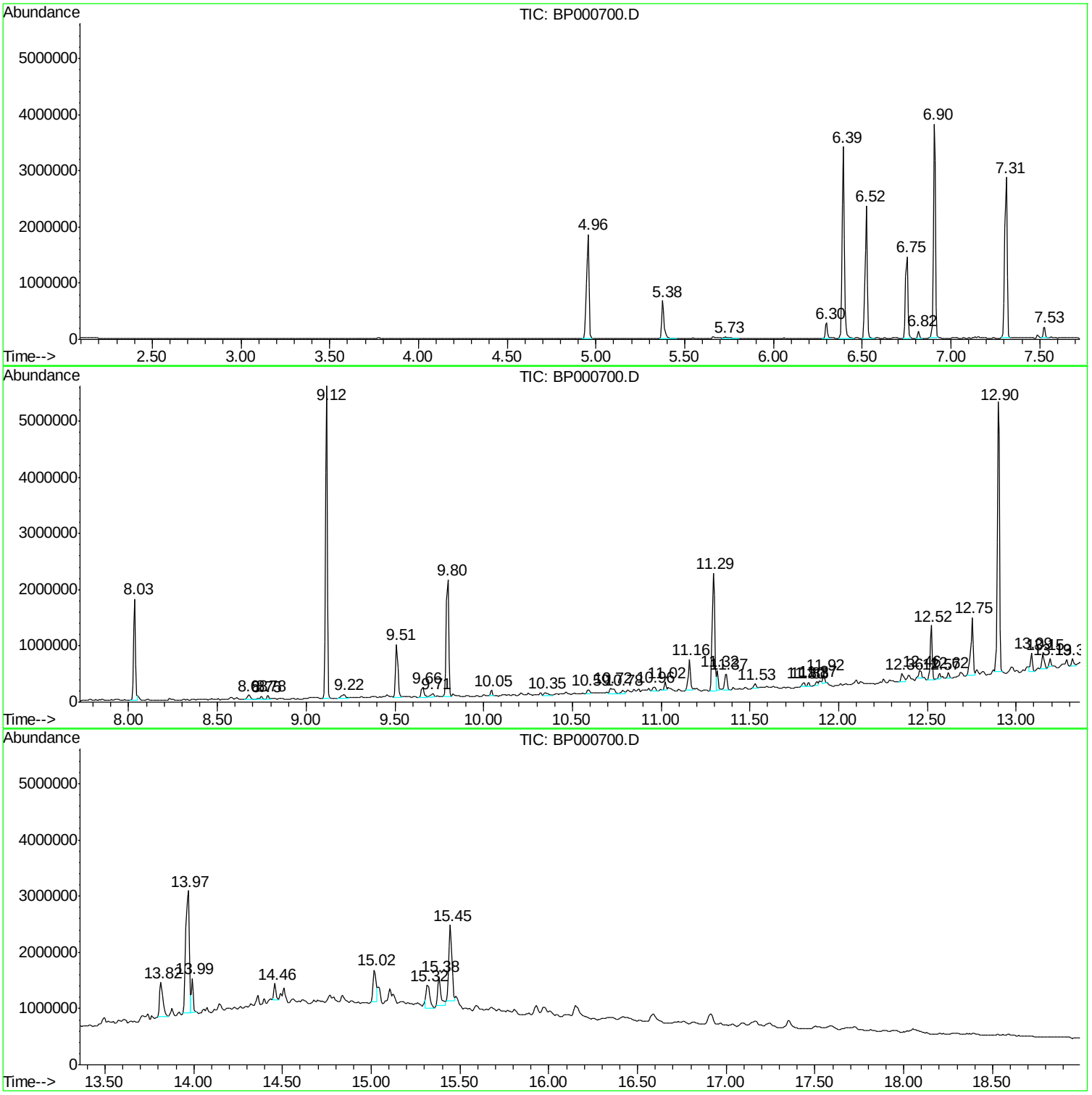
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

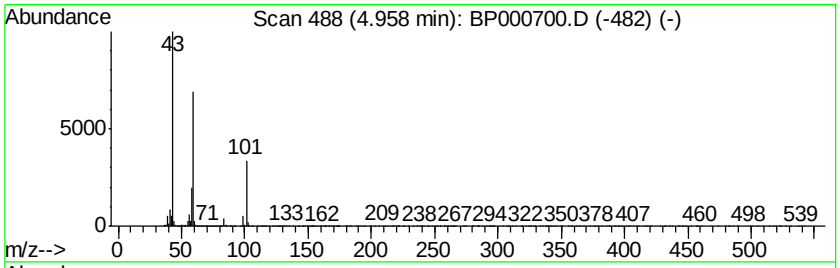
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

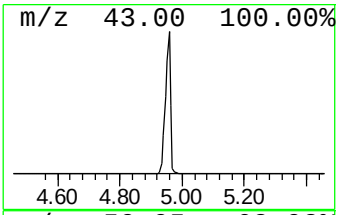
****

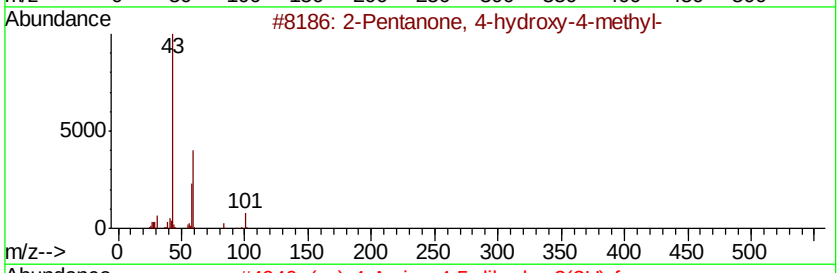
Peak Number 1 unknown4.96 Concentration Rank 2

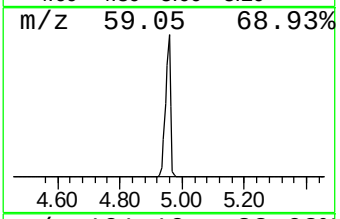
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	35.09 ng	2072190	1,4-Dichlorobenzene-d4	6.75

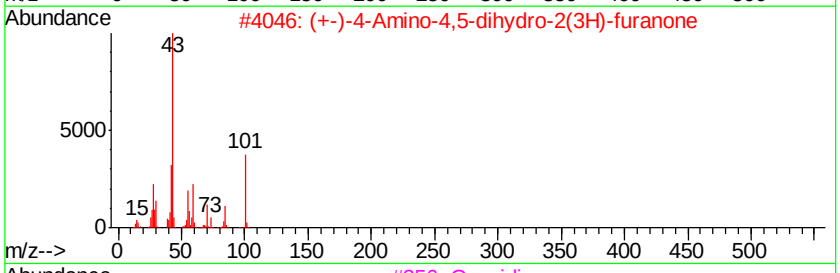
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Guanidine	59	CH5N3	000113-00-8	38
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9

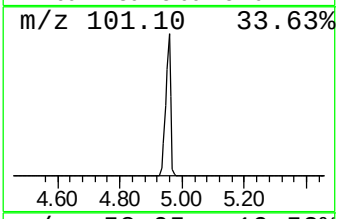


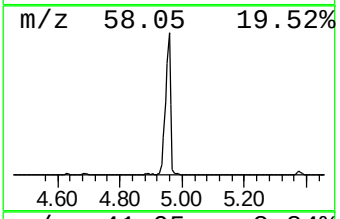


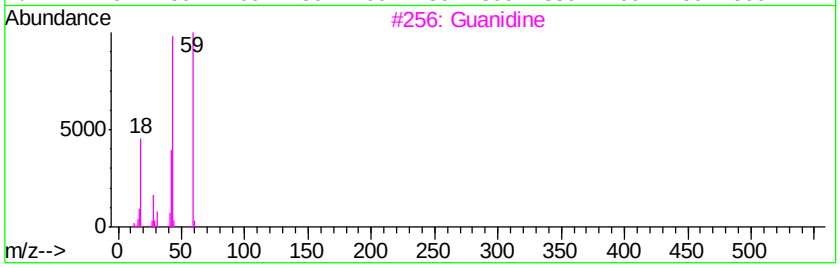


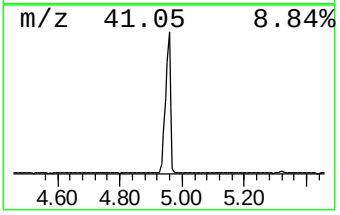












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

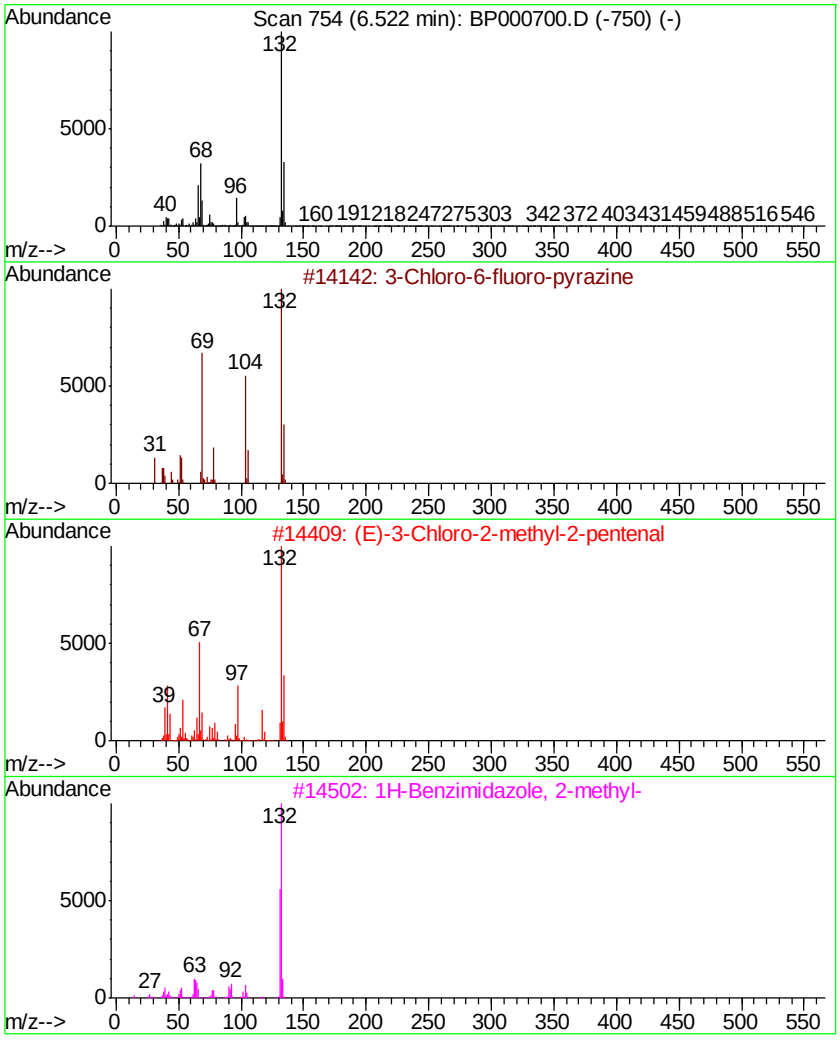
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

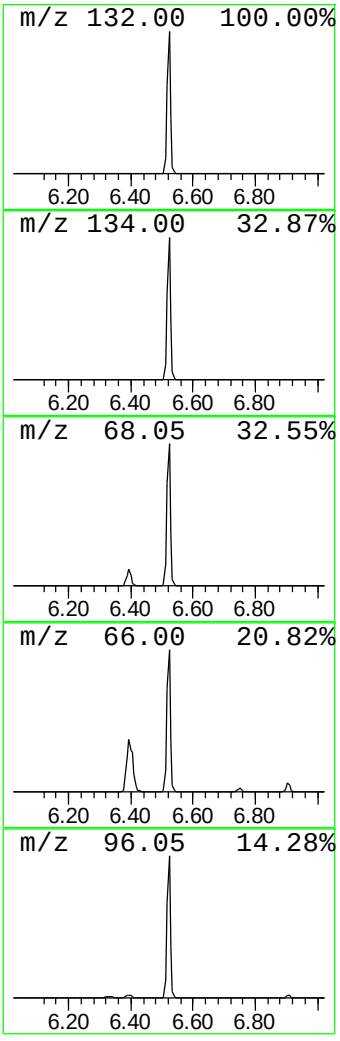
****

Peak Number 2 unknown6.52 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	32.11 ng	1896580	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

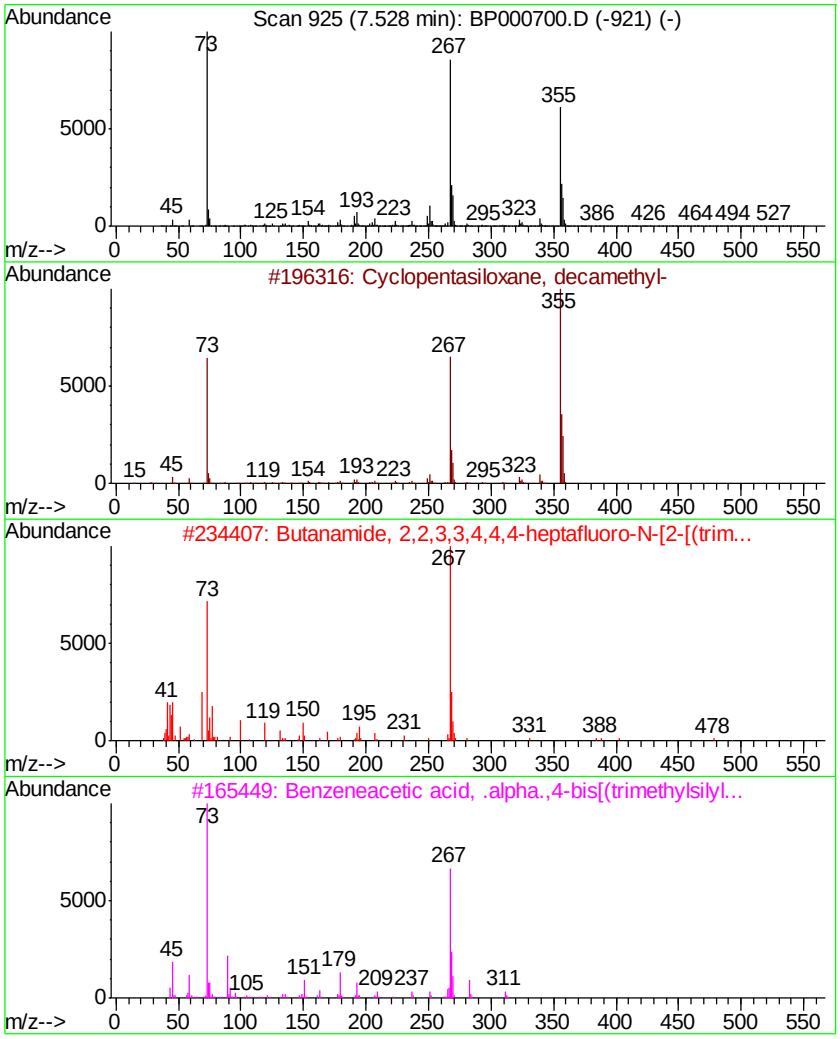
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

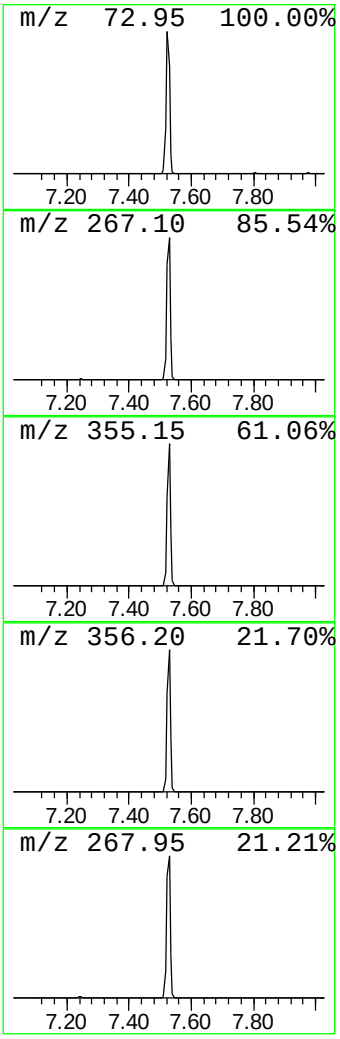
****

Peak Number 4 Cyclopentasiloxane, decamet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	2.29 ng	167695	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	91
2	Butanamide, 2,2,3,3,4,4,4-heptaf...	493	C18H26F7NO3Si2	055471-01-7	47
3	Benzeneacetic acid, .alpha.,4-bi...	326	C15H26O4Si2	055334-40-2	47
4	Benzeneethanamine, N-butyl-.beta...	353	C18H35NO2Si2	040629-66-1	47
5	Benzaldehyde, 2,5-bis[(trimethyl...	282	C13H22O3Si2	056114-69-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

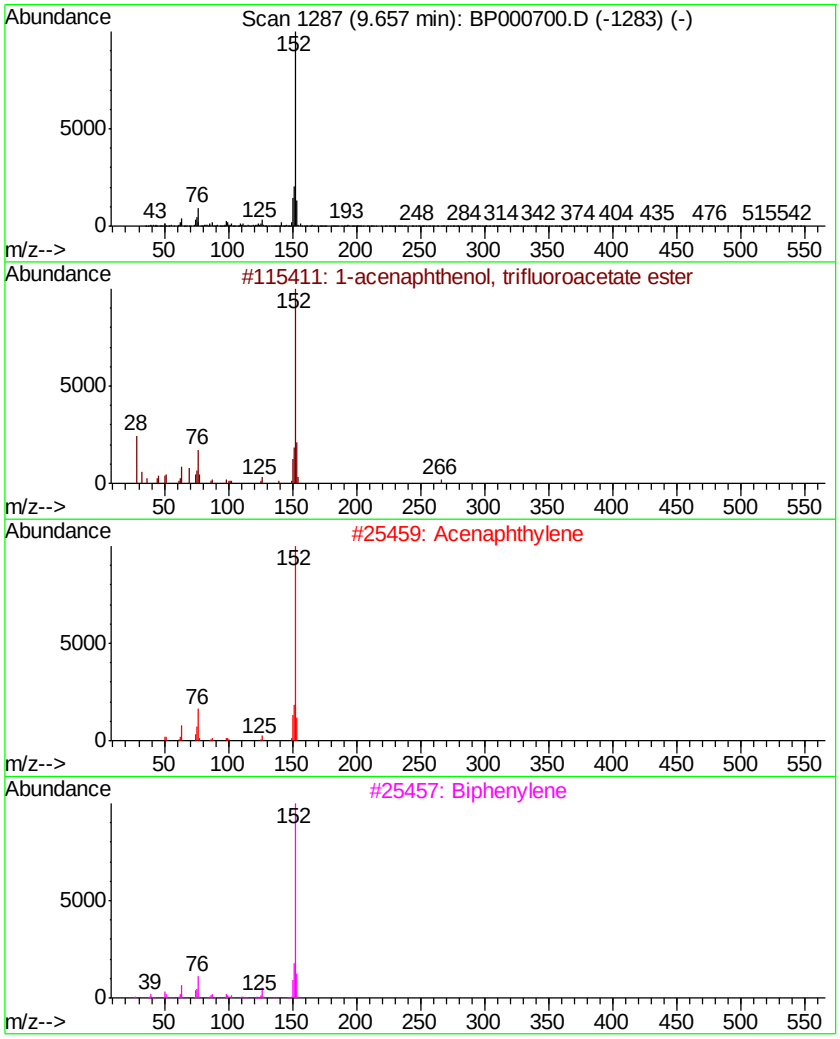
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

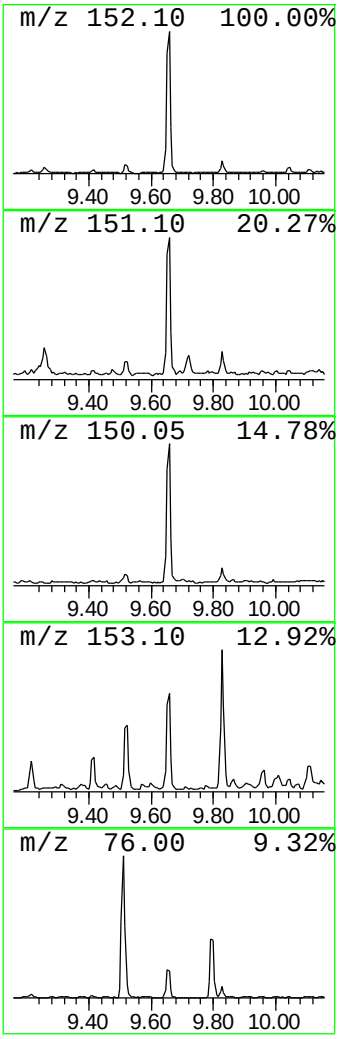
****

Peak Number 5 1-acenaphthenol, trifluoroa... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	2.17 ng	189468	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	90
2	Acenaphthylene	152	C12H8	000208-96-8	90
3	Biphenylene	152	C12H8	000259-79-0	90
4	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	72
5	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	56





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Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

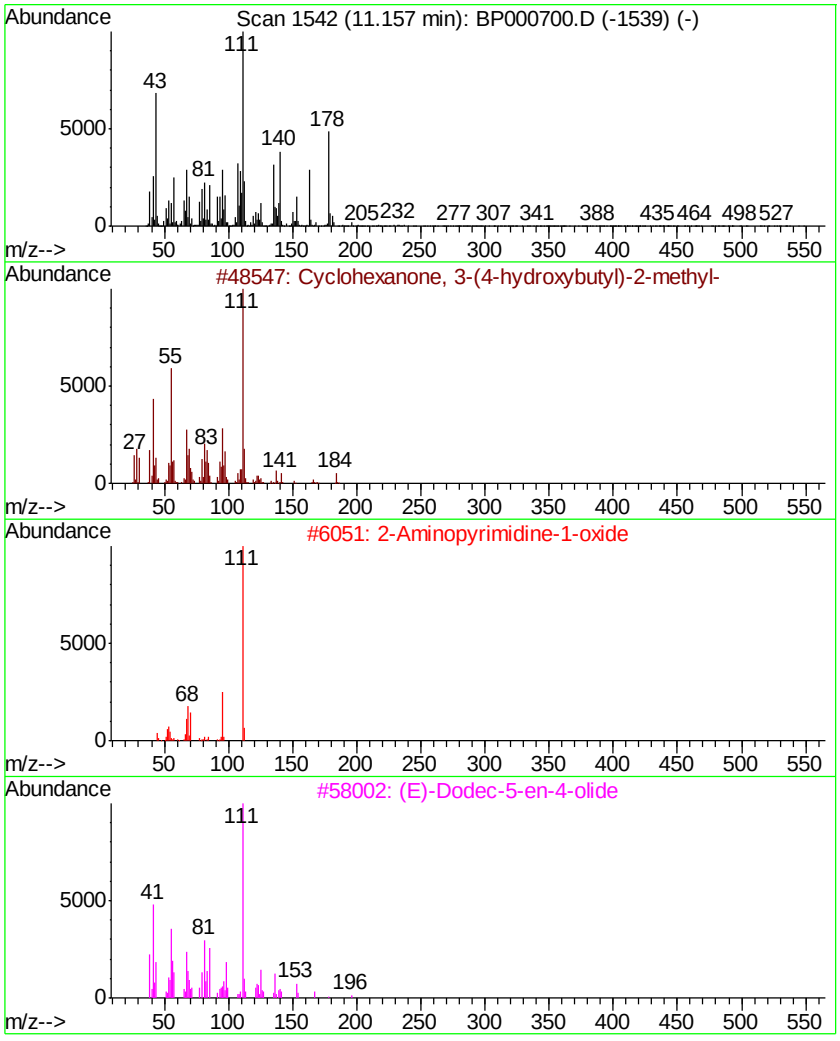
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

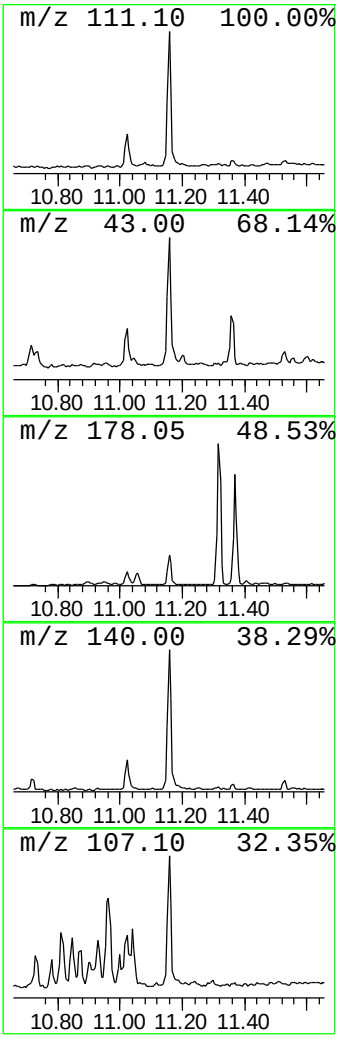
****

Peak Number 6 unknown11.16 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	4.91 ng	469826	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-(4-hydroxybutyl...	184	C11H20O2	091212-98-5	27
2	2-Aminopyrimidine-1-oxide	111	C4H5N3O	035034-15-2	25
3	(E)-Dodec-5-en-4-olide	196	C12H20O2	1000370-40-3	25
4	4-Pyridinol-1-oxide	111	C5H5NO2	006890-62-6	22
5	2-(Cyanoimino)oxazolidine	111	C4H5N3O	050411-06-8	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

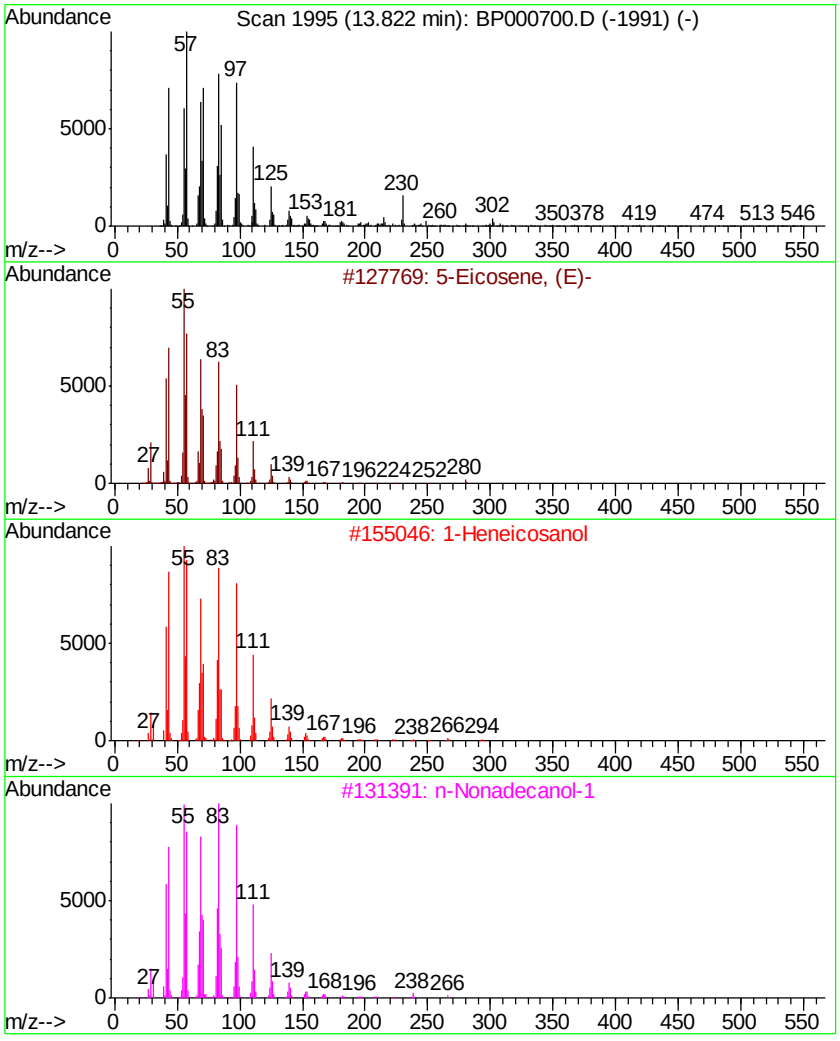
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

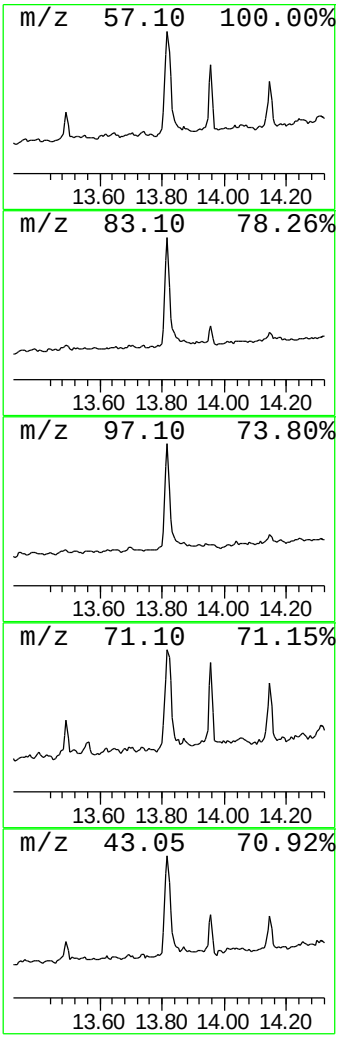
****

Peak Number 7 5-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.97 ng	703229	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
4	17-Pentatriacontene	491	C35H70	006971-40-0	93
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

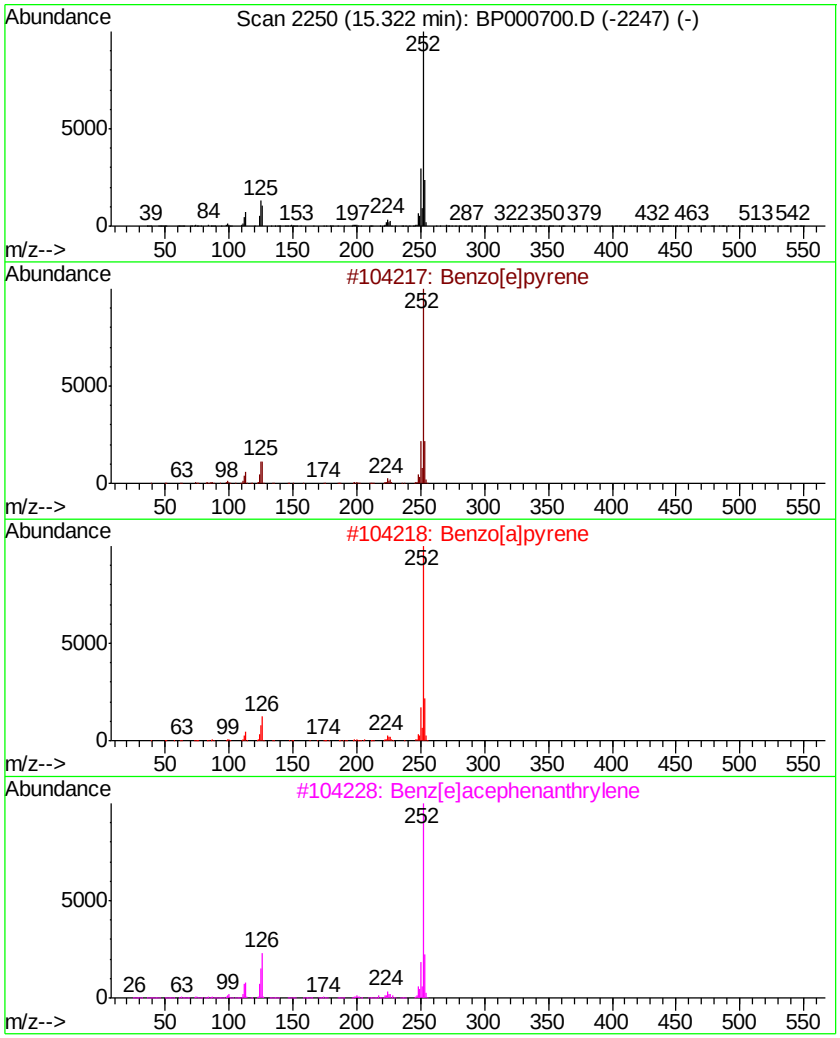
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

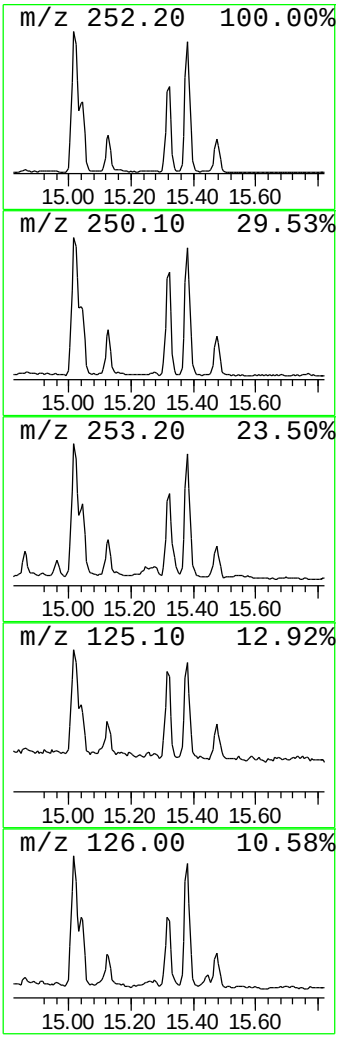
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	6.71 ng	537208	Perylene-d12	15.45

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	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101319\
Data File : BP000700.D
Acq On : 13 Oct 2019 04:29
Operator : JU
Sample : K5348-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190833-COMPOSITE-I

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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
unknown4.96	4.96	35.1	ng	2072190	1	6.75	1181240	20.0
unknown6.52	6.52	32.1	ng	1896580	1	6.75	1181240	20.0
Cyclopentasiloxan...	7.53	2.3	ng	167695	2	8.03	1466330	20.0
1-acenaphthenol, ...	9.66	2.2	ng	189468	3	9.80	1748860	20.0
unknown11.16	11.16	4.9	ng	469826	4	11.29	1913190	20.0
5-Eicosene, (E)-	13.82	5.0	ng	703229	5	13.97	2831770	20.0
Benzo[e]pyrene	15.32	6.7	ng	537208	6	15.45	1601130	20.0