LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000118.D
Acq On : 09 Sep 2019 03:11
Operator : HP/JU
Sample : K4662-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

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-BP083019.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	2.163	8	13	18	rVB	1068354	1327613	18.01%	1.558%
2	5.510	577	582	585	rBV	5719947	4932246	66.91%	5.789%
3	6.510	747	752	758	rBV	5701284	5259976	71.36%	6.174%
4	6.657	773	777	780	rBV	6634193	5385722	73.07%	6.321%
5	6.893	813	817	820	rBV	3217581	2497816	33.89%	2.932%
6	7.045	840	843	847	rVB	5339923	4464402	60.57%	5.240%
7	7.445	907	911	914	rBV	3950619	3131992	42.49%	3.676%
8	8.175	1031	1035	1038	rBV	3824325	3299262	44.76%	3.872%
9	9.251	1214	1218	1221	rBV	9312765	6983941	94.75%	8.197%
10	9.339	1228	1233	1237	rBV4	64360	92324	1.25%	0.108%
11	9.639	1282	1284	1293	rVB	710414	717800	9.74%	0.842%
12	9.792	1307	1310	1313	rBV	762867	577274	7.83%	0.678%
13	9.934	1331	1334	1338	rVB	4928889	3853226	52.28%	4.523%
14	10.481	1425	1427	1434	rVB2	115194	162986	2.21%	0.191%
15	10.598	1444	1447	1452	rVB2	88184	93708	1.27%	0.110%
16	10.722	1464	1468	1479	rBV	4675255	4126458	55.98%	4.843%
17	10.851	1487	1490	1491	rBV	123799	105905	1.44%	0.124%
18	11.328	1569	1571	1576	rVB2	84035	108735	1.48%	0.128%
19	11.428	1585	1588	1591	rBV	4637907	4173519	56.62%	4.898%
20	11.451	1591	1592	1595	rVV	861764	558364	7.58%	0.655%
21	11.504	1598	1601	1604	rVB	528504	409337	5.55%	0.480%
22	11.933	1671	1674	1676	rBV	239390	227235	3.08%	0.267%
23	11.963	1676	1679	1683	rVB2	652281	587395	7.97%	0.689%
24	12.010	1684	1687	1690	rBV	183301	145391	1.97%	0.171%
25	12.045	1690	1693	1696	rBV2	421943	513218	6.96%	0.602%
26	12.233	1723	1725	1727	rBV	132629	102897	1.40%	0.121%
27	12.369	1745	1748	1749	rBV2	97502	95471	1.30%	0.112%
28	12.416	1754	1756	1758	rVV	139094	124351	1.69%	0.146%
29	12.439	1758	1760	1763	rVB2	138765	111728	1.52%	0.131%
30	12.492	1765	1769	1772	rBV	405873	421366	5.72%	0.495%
31	12.528	1772	1775	1781	rVV4	197507	389263	5.28%	0.457%
32	12.575	1781	1783	1788	rVB3	217815	239830	3.25%	0.281%
33	12.651	1793	1796	1799	rBV	2146805	1800229	24.42%	2.113%
34	12.751	1810	1813	1816	rBV	374570	391615	5.31%	0.460%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000118.D
Acq On : 09 Sep 2019 03:11
Operator : HP/JU
Sample : K4662-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

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-BP083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.810	1821	1823	1830	rVB4	126754	247980	3.36%	0.291%
36	12.886	1830	1836	1839	rBV	2369989	2477862	33.62%	2.908%
37	13.004	1853	1856	1857	rBV	156688	141737	1.92%	0.166%
38	13.033	1857	1861	1864	rVV	8110614	7371018	100.00%	8.651%
39	13.104	1870	1873	1876	rBV2	281600	324555	4.40%	0.381%
40	13.198	1886	1889	1890	rBV3	183928	221176	3.00%	0.260%
41	13.216	1890	1892	1896	rVB	452346	406707	5.52%	0.477%
42	13.280	1901	1903	1906	rVB2	253241	226050	3.07%	0.265%
43	13.322	1907	1910	1913	rBV2	441055	412531	5.60%	0.484%
44	13.416	1923	1926	1929	rVB	360858	292635	3.97%	0.343%
45	13.445	1929	1931	1934	rBV	325263	280308	3.80%	0.329%
46	13.833	1995	1997	2002	rBV2	206460	348222	4.72%	0.409%
47	13.945	2013	2016	2020	rVB2	468322	527256	7.15%	0.619%
48	14.098	2037	2042	2044	rBV2	4735929	5492078	74.51%	6.446%
49	14.122	2044	2046	2049	rVB	1257134	952024	12.92%	1.117%
50	15.169	2220	2224	2228	rBV	1219173	2067613	28.05%	2.427%
51	15.486	2275	2278	2285	rVB	859528	1101647	14.95%	1.293%
52	15.551	2286	2289	2293	rVB	1126642	1326601	18.00%	1.557%
53	15.621	2297	2301	2305	rBV	2905556	3569797	48.43%	4.190%

Sum of corrected areas: 85200392

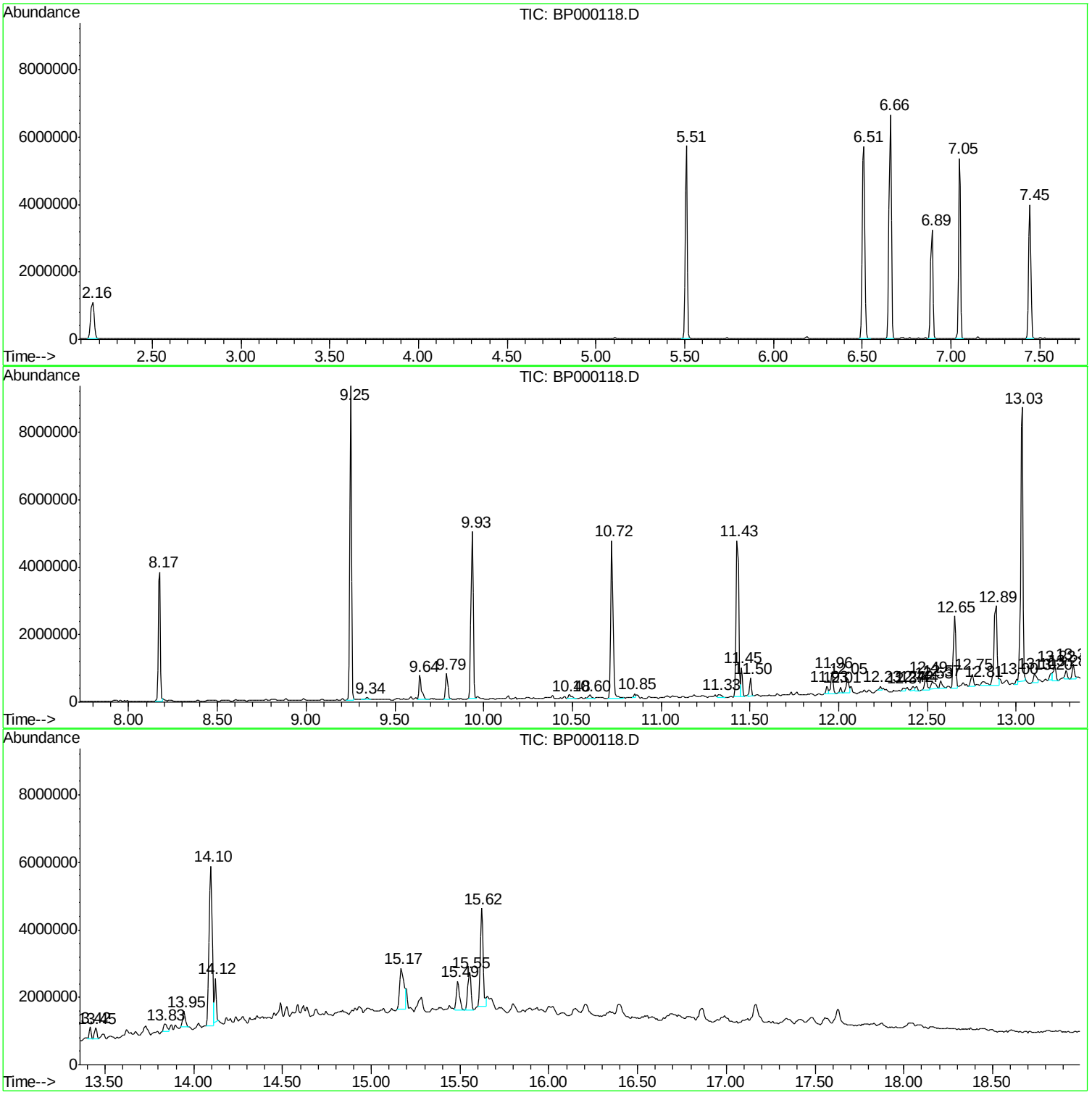
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000118.D
Acq On : 09 Sep 2019 03:11
Operator : HP/JU
Sample : K4662-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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\BP090819\
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Acq On : 09 Sep 2019 03:11
Operator : HP/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

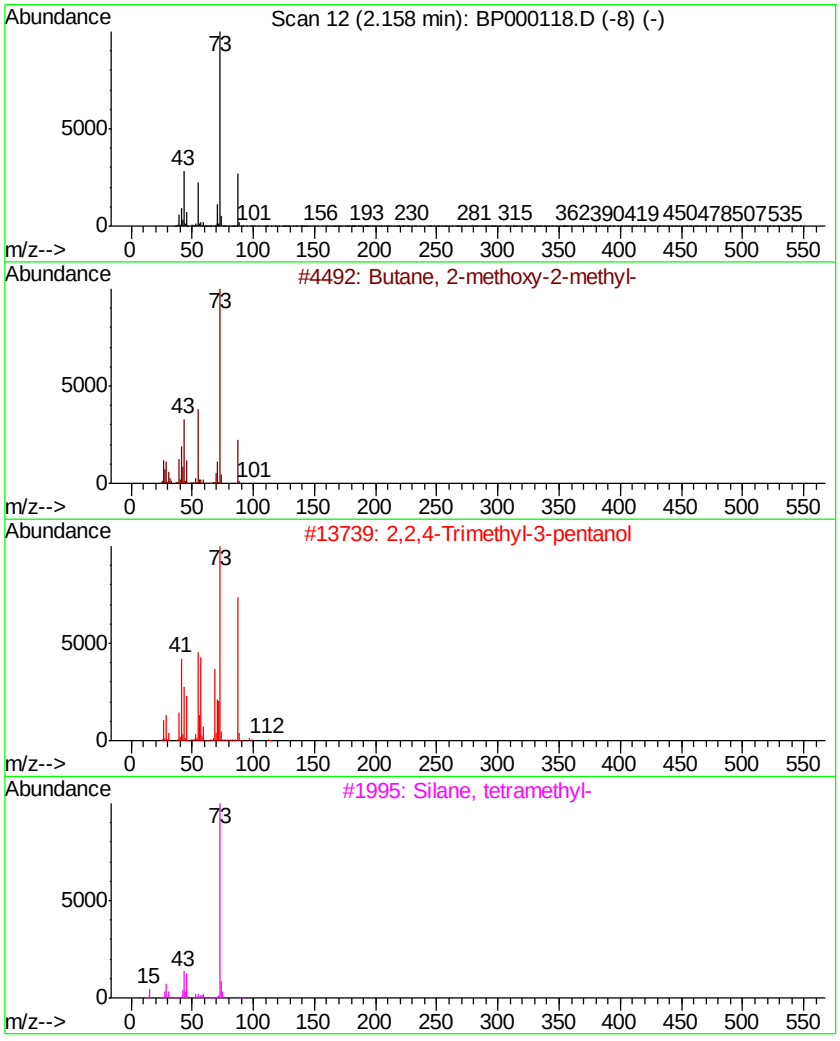
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

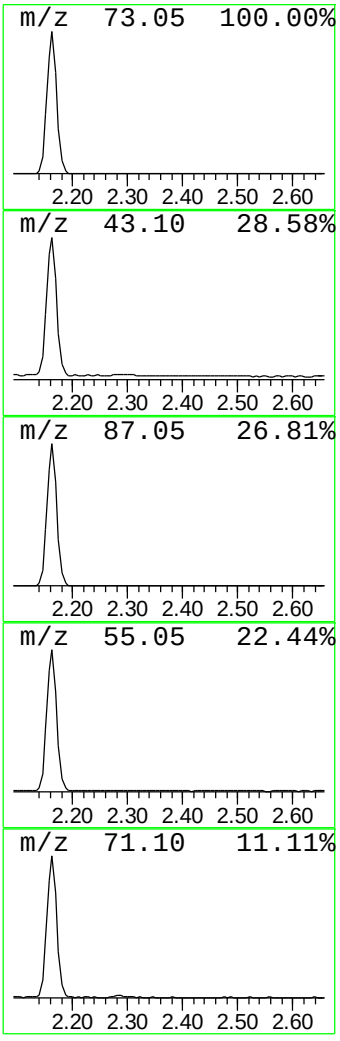
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	10.63 ng	1327610	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000118.D
Acq On : 09 Sep 2019 03:11
Operator : HP/JU
Sample : K4662-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

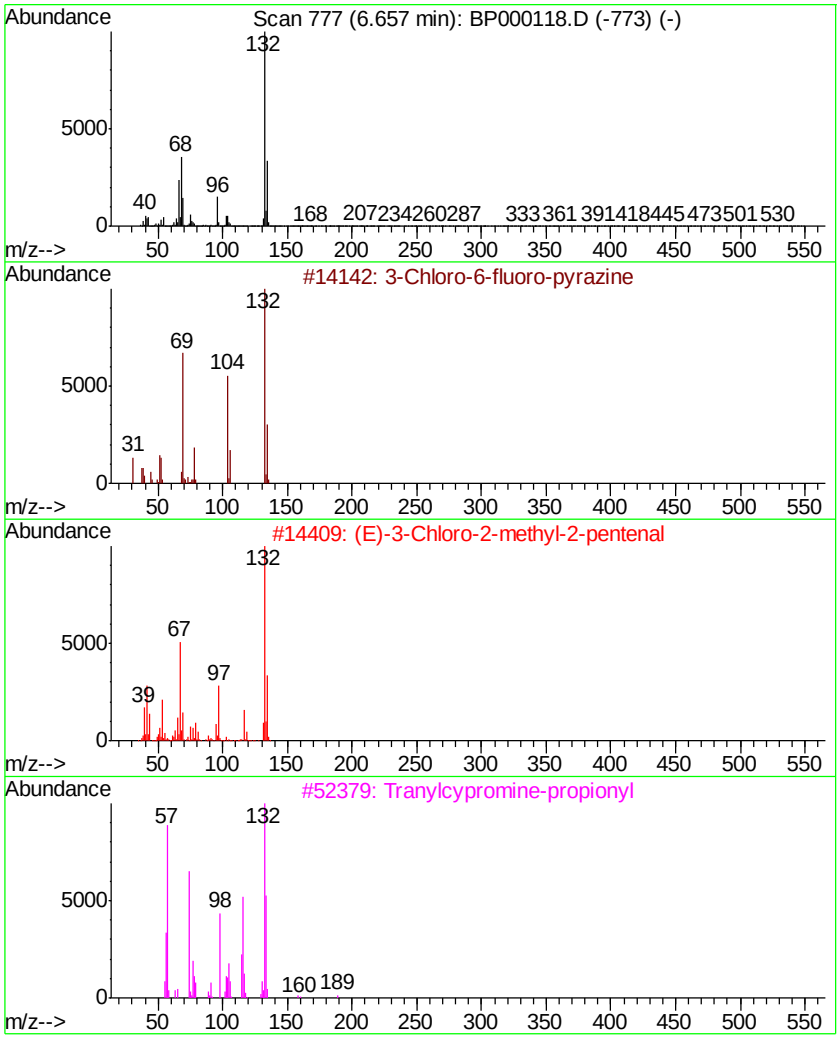
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

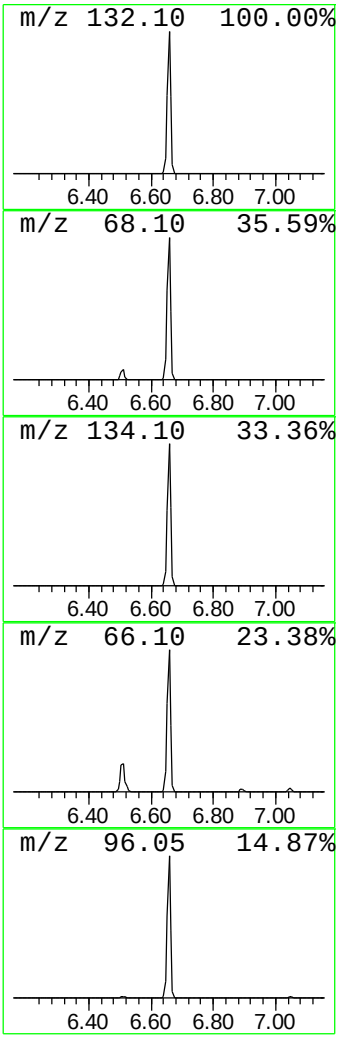
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	43.12 ng	5385720	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000118.D
Acq On : 09 Sep 2019 03:11
Operator : HP/JU
Sample : K4662-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

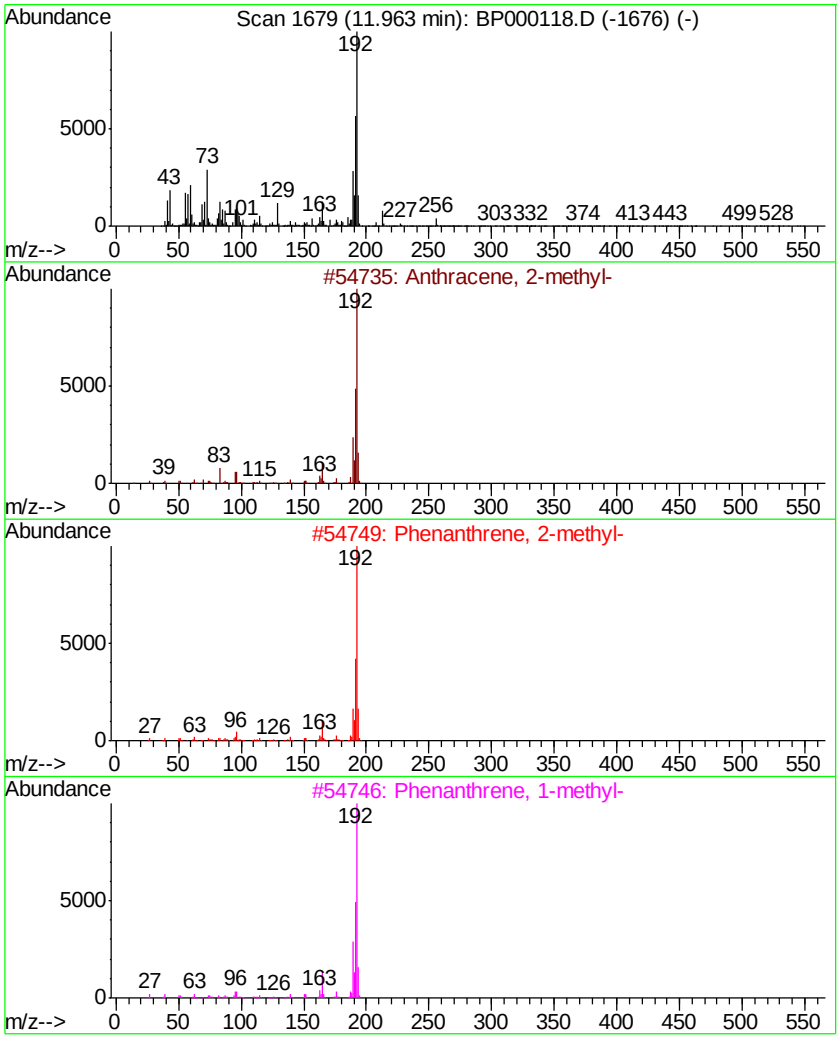
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

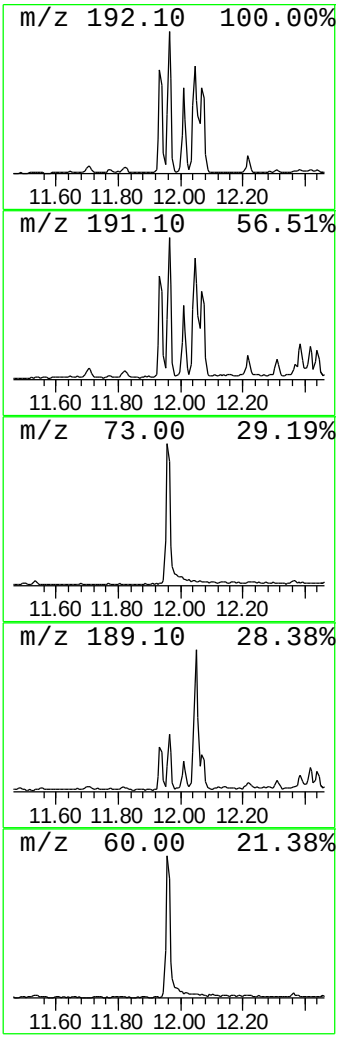
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.81 ng	587395	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000118.D
Acq On : 09 Sep 2019 03:11
Operator : HP/JU
Sample : K4662-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

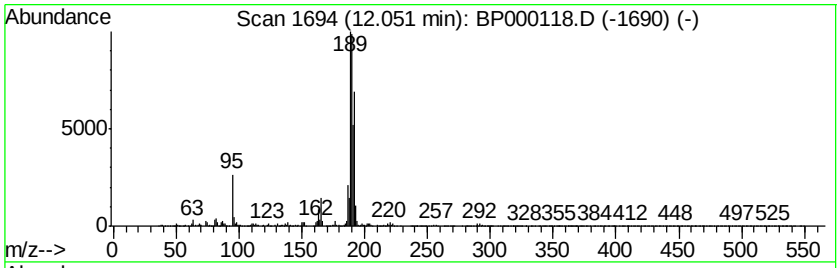
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

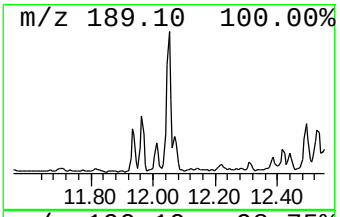
****

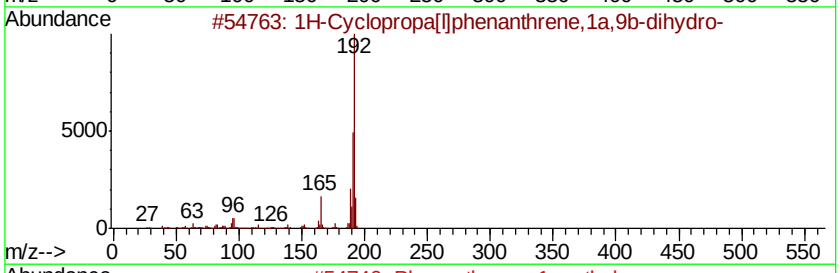
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

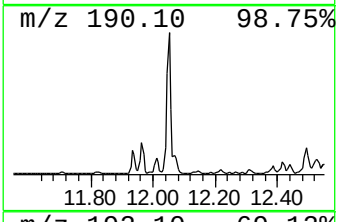
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.46 ng	513218	Phenanthrene-d10	11.43

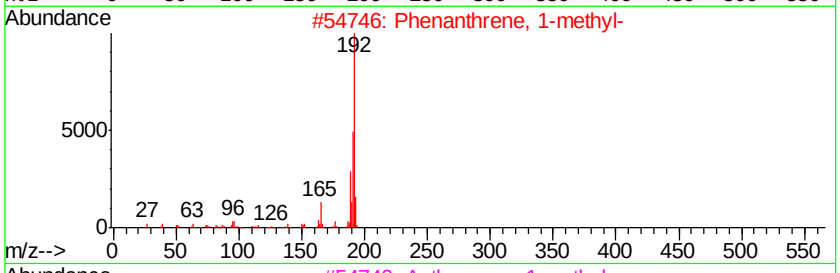
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50

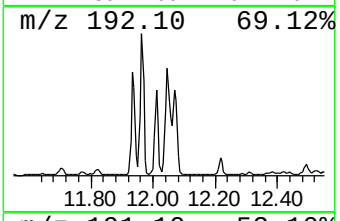


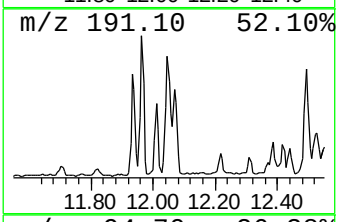


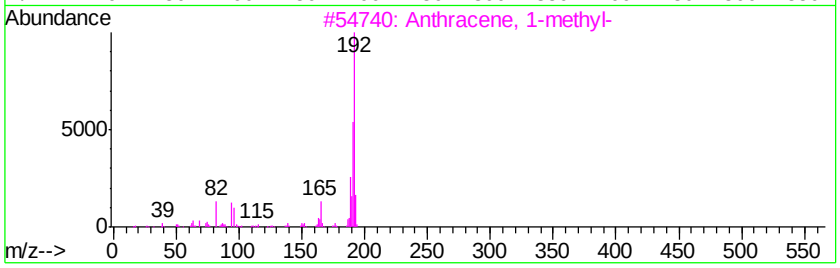


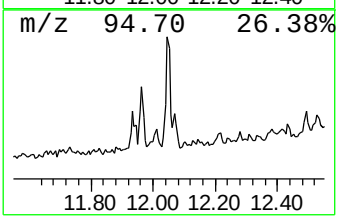












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ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

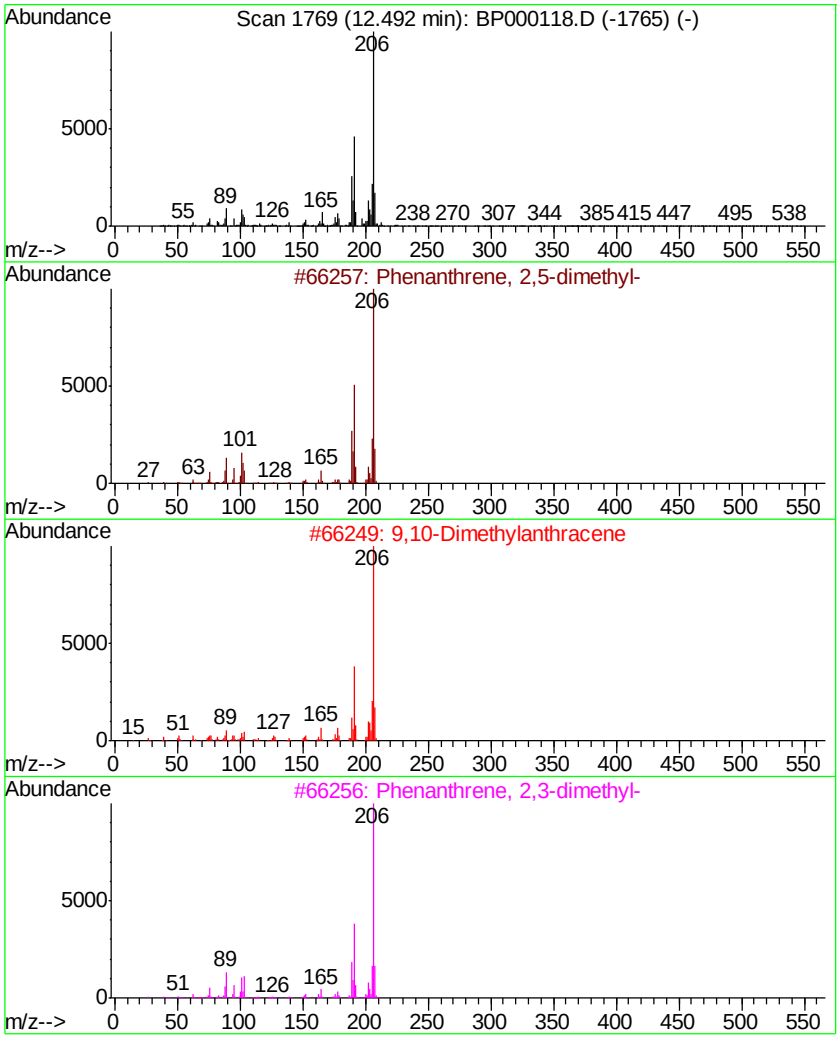
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

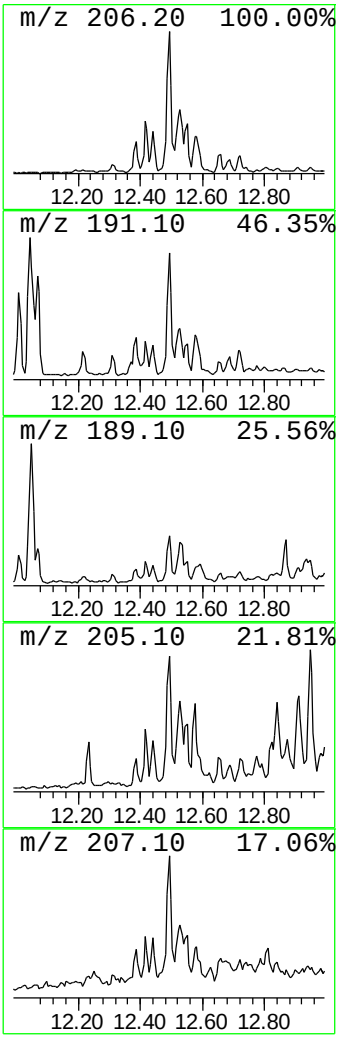
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.02 ng	421366	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

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ClientSampleId : CL-01-090619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

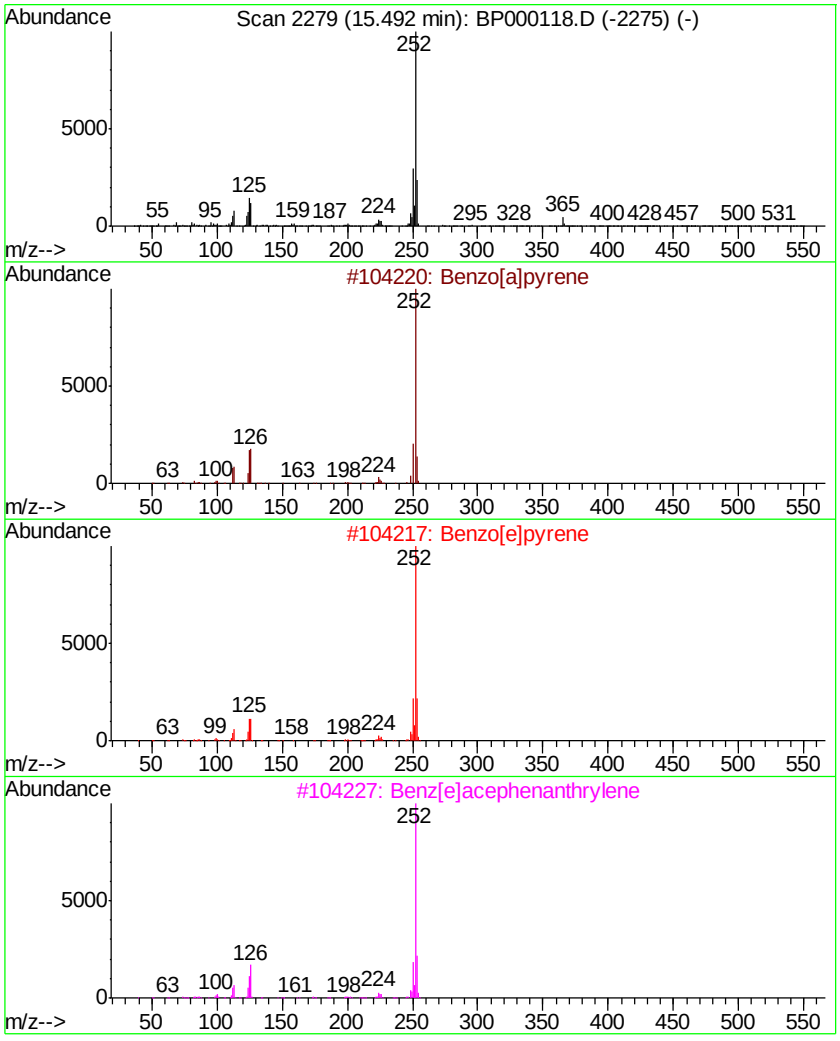
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

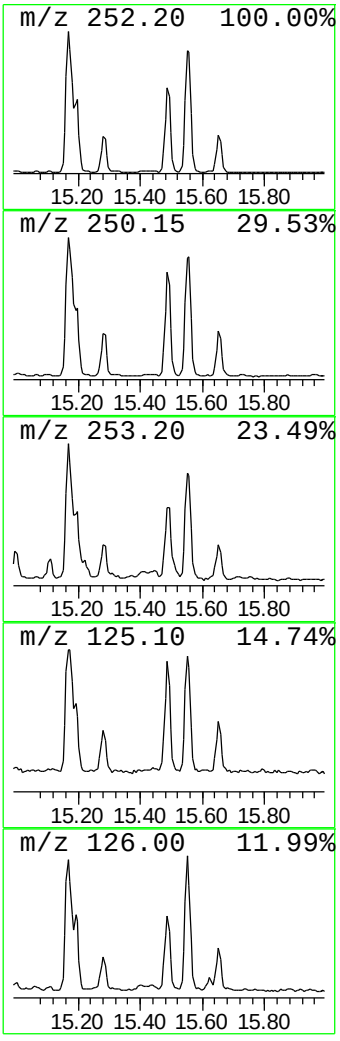
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	6.17 ng	1101650	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	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\BP090819\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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
Butane, 2-methoxy...	2.16	10.6	ng	1327610	1	6.89	2497820	20.0
unknown6.66	6.66	43.1	ng	5385720	1	6.89	2497820	20.0
Anthracene, 2-met...	11.96	2.8	ng	587395	4	11.43	4173520	20.0
1H-Cyclopropa[l]p...	12.05	2.5	ng	513218	4	11.43	4173520	20.0
Phenanthrene, 2,5...	12.49	2.0	ng	421366	4	11.43	4173520	20.0
Benzo[e]pyrene	15.49	6.2	ng	1101650	6	15.62	3569800	20.0