LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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	5.411	561	565	579	rVB	471966	413492	9.51%	1.003%
2	6.422	734	737	744	rBV	547060	483275	11.11%	1.172%
3	6.563	757	761	769	rBV	572311	483405	11.12%	1.173%
4	6.793	796	800	803	rBV	1914631	1467573	33.75%	3.561%
5	6.946	823	826	830	rBV	502992	414532	9.53%	1.006%
6	7.346	887	894	901	rBV	286419	245632	5.65%	0.596%
7	8.075	1014	1018	1021	rBV	2486993	1929424	44.37%	4.681%
8	8.887	1152	1156	1160	rVB	76234	61337	1.41%	0.149%
9	9.152	1197	1201	1204	rBV	841645	667259	15.34%	1.619%
10	9.416	1242	1246	1250	rBV2	116832	108578	2.50%	0.263%
11	9.834	1313	1317	1320	rBV	3032426	2283710	52.52%	5.541%
12	9.863	1320	1322	1326	rVB	166039	140442	3.23%	0.341%
13	10.040	1348	1352	1355	rVB	121342	106082	2.44%	0.257%
14	10.381	1407	1410	1417	rBV	260540	241606	5.56%	0.586%
15	10.622	1448	1451	1456	rVB	448646	374264	8.61%	0.908%
16	10.934	1500	1504	1507	rBV2	55945	60840	1.40%	0.148%
17	11.222	1551	1553	1559	rVB	119500	110974	2.55%	0.269%
18	11.328	1567	1571	1573	rBV	2861448	2369258	54.48%	5.748%
19	11.351	1573	1575	1579	rVV	1799472	1335777	30.72%	3.241%
20	11.404	1579	1584	1587	rVB	495011	424386	9.76%	1.030%
21	11.440	1587	1590	1594	rBV2	49876	63551	1.46%	0.154%
22	11.557	1605	1610	1613	rBV	162273	166113	3.82%	0.403%
23	11.657	1624	1627	1631	rVB3	98455	114177	2.63%	0.277%
24	11.734	1636	1640	1643	rBV	2698069	2196998	50.52%	5.330%
25	11.834	1654	1657	1659	rBV	232291	192923	4.44%	0.468%
26	11.863	1659	1662	1666	rVB	341120	278076	6.39%	0.675%
27	11.910	1667	1670	1673	rBV	112566	108672	2.50%	0.264%
28	11.946	1673	1676	1679	rVV	427218	452399	10.40%	1.098%
29	11.969	1679	1680	1685	rVB	163704	100529	2.31%	0.244%
30	12.134	1705	1708	1710	rBV2	172326	159975	3.68%	0.388%
31	12.393	1748	1752	1754	rBV	152381	162879	3.75%	0.395%
32	12.422	1754	1757	1759	rBV	3610456	3349117	77.02%	8.125%
33	12.446	1759	1761	1764	rVB	5518694	4348543	100.00%	10.550%
34	12.528	1772	1775	1777	rBV	1248823	1160142	26.68%	2.815%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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

35	12.551	1777	1779	1782	rVB	2051351	1592725	36.63%	3.864%
36	12.616	1785	1790	1793	rBV4	64993	116021	2.67%	0.281%
37	12.704	1803	1805	1809	rVB	69148	68135	1.57%	0.165%
38	12.781	1812	1818	1821	rBV	1807960	1885228	43.35%	4.574%
39	12.904	1836	1839	1840	rBV	92072	79815	1.84%	0.194%
40	12.928	1840	1843	1848	rVB	789391	763789	17.56%	1.853%
41	13.010	1853	1857	1863	rVB3	152473	299518	6.89%	0.727%
42	13.116	1868	1875	1881	rBV	390239	628359	14.45%	1.524%
43	13.181	1883	1886	1889	rVB	342926	296206	6.81%	0.719%
44	13.222	1890	1893	1895	rVV2	160080	156610	3.60%	0.380%
45	13.263	1898	1900	1905	rVV3	80891	102381	2.35%	0.248%
46	13.310	1906	1908	1911	rVV	99671	93874	2.16%	0.228%
47	13.345	1911	1914	1916	rVV	112062	109747	2.52%	0.266%
48	13.369	1916	1918	1924	rVB4	92994	133388	3.07%	0.324%
49	13.422	1925	1927	1930	rVB4	89672	90245	2.08%	0.219%
50	13.693	1970	1973	1977	rVB2	237450	273170	6.28%	0.663%
51	13.769	1984	1986	1988	rVB	114685	85134	1.96%	0.207%
52	13.793	1988	1990	1994	rBV2	101277	137261	3.16%	0.333%
53	13.993	2019	2024	2027	rBV2	2863718	3203012	73.66%	7.771%
54	14.016	2027	2028	2036	rVB	795598	607807	13.98%	1.475%
55	15.045	2199	2203	2206	rBV	555730	861480	19.81%	2.090%
56	15.351	2252	2255	2261	rVB	359411	454392	10.45%	1.102%
57	15.410	2262	2265	2271	rBV	520128	570229	13.11%	1.383%
58	15.481	2272	2277	2280	rBV	1565027	2033585	46.76%	4.934%

Sum of corrected areas: 41218051

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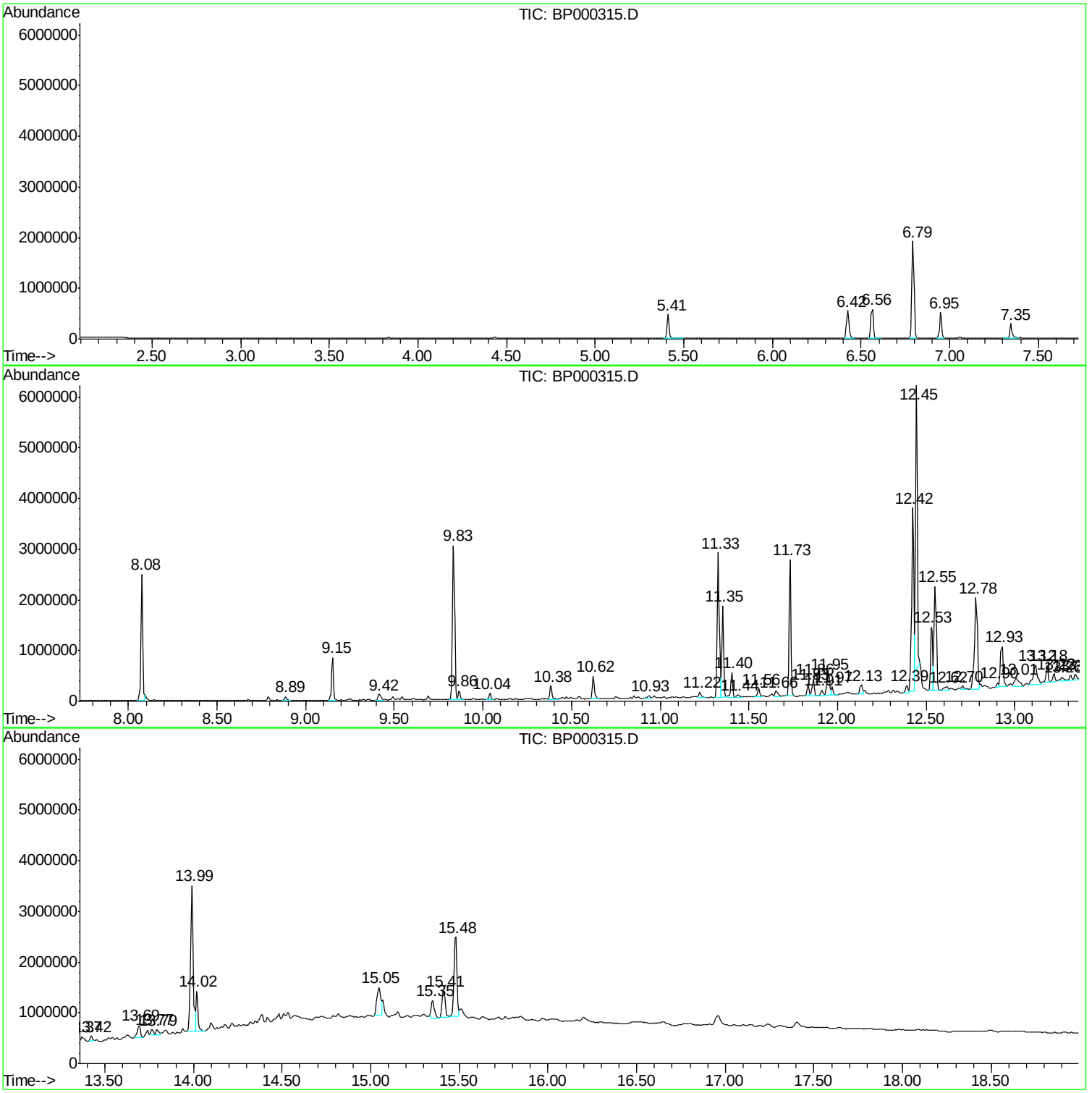
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

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\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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

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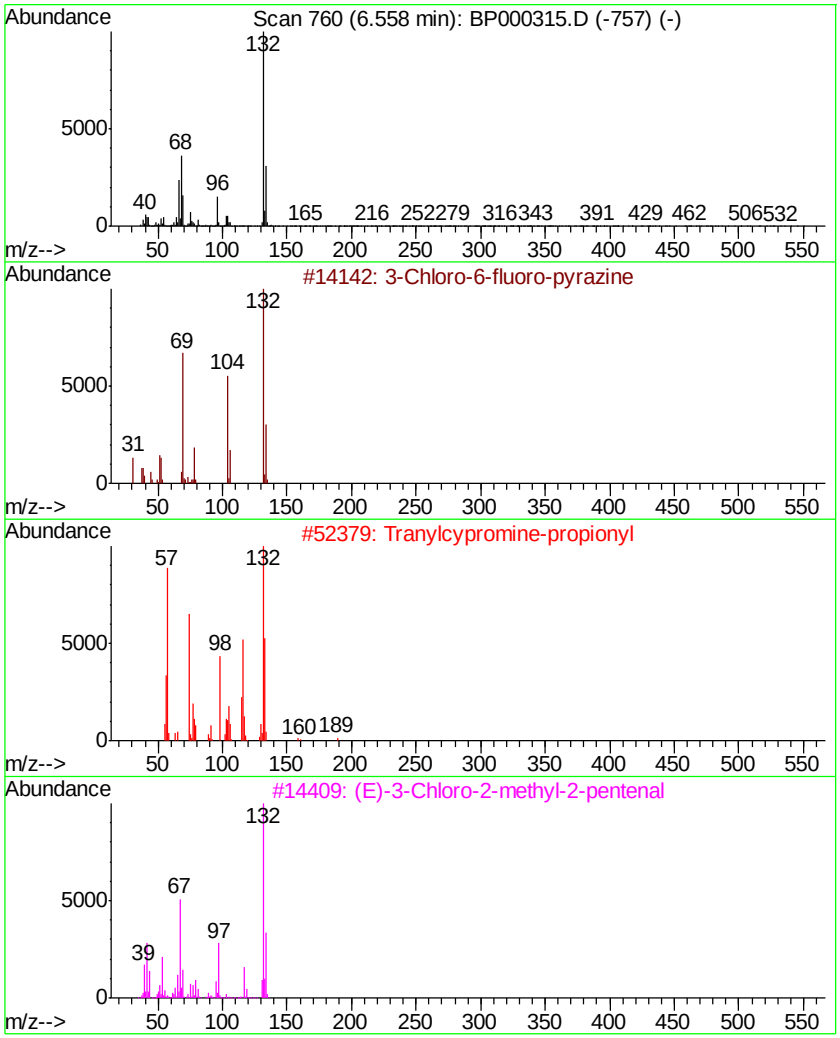
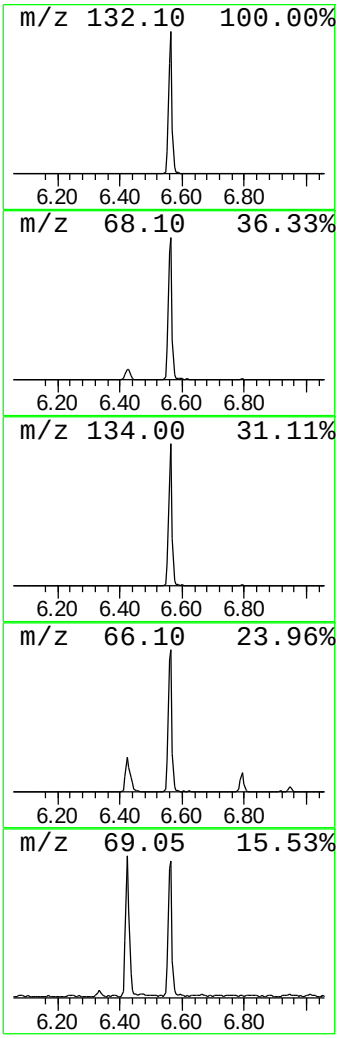
Peak Number 1 unknown6.56 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	6.59 ng	483405	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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

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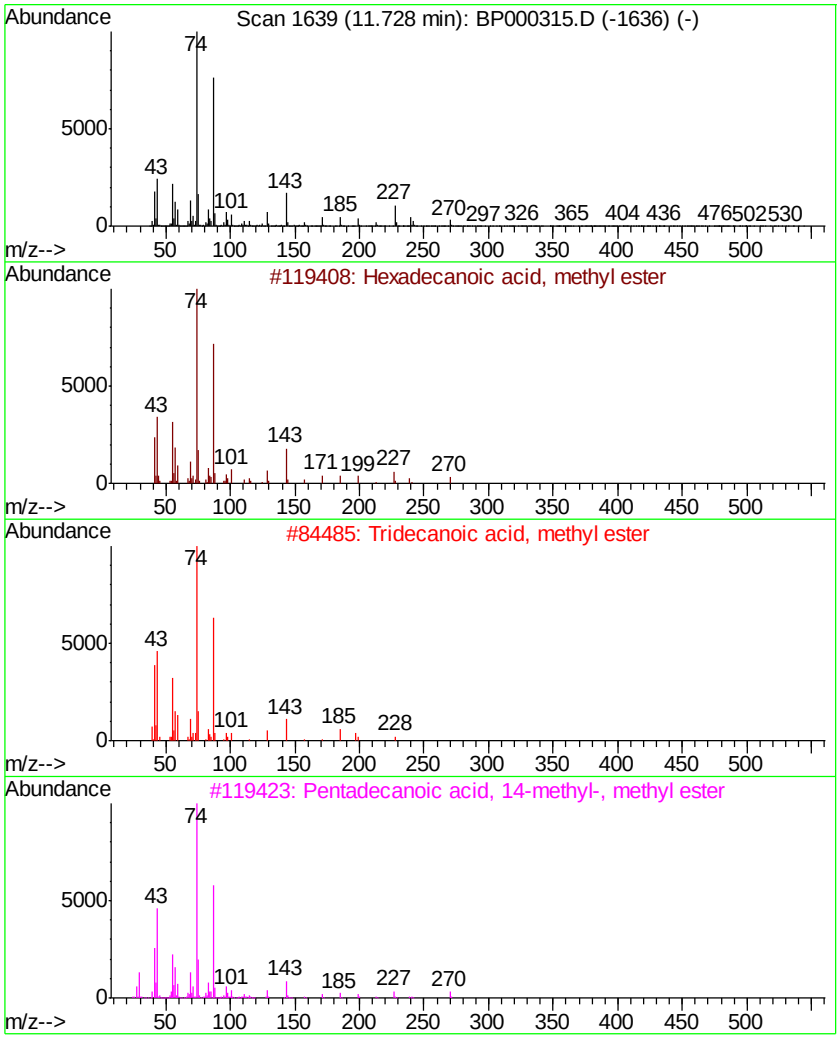
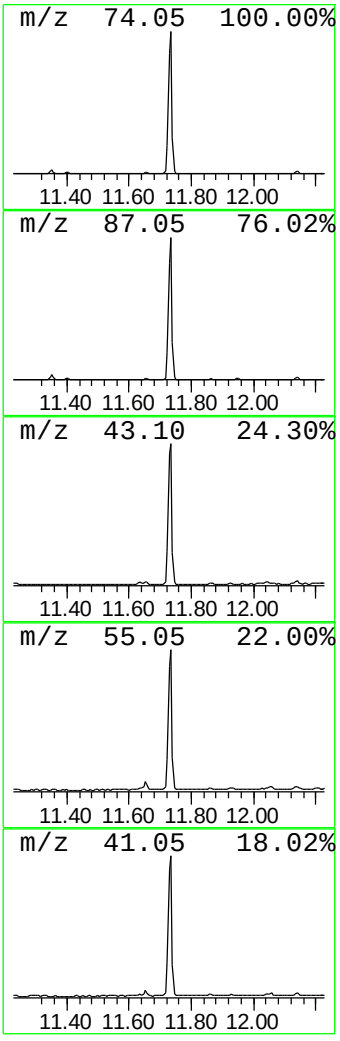
Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	18.55 ng	2197000	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	81
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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

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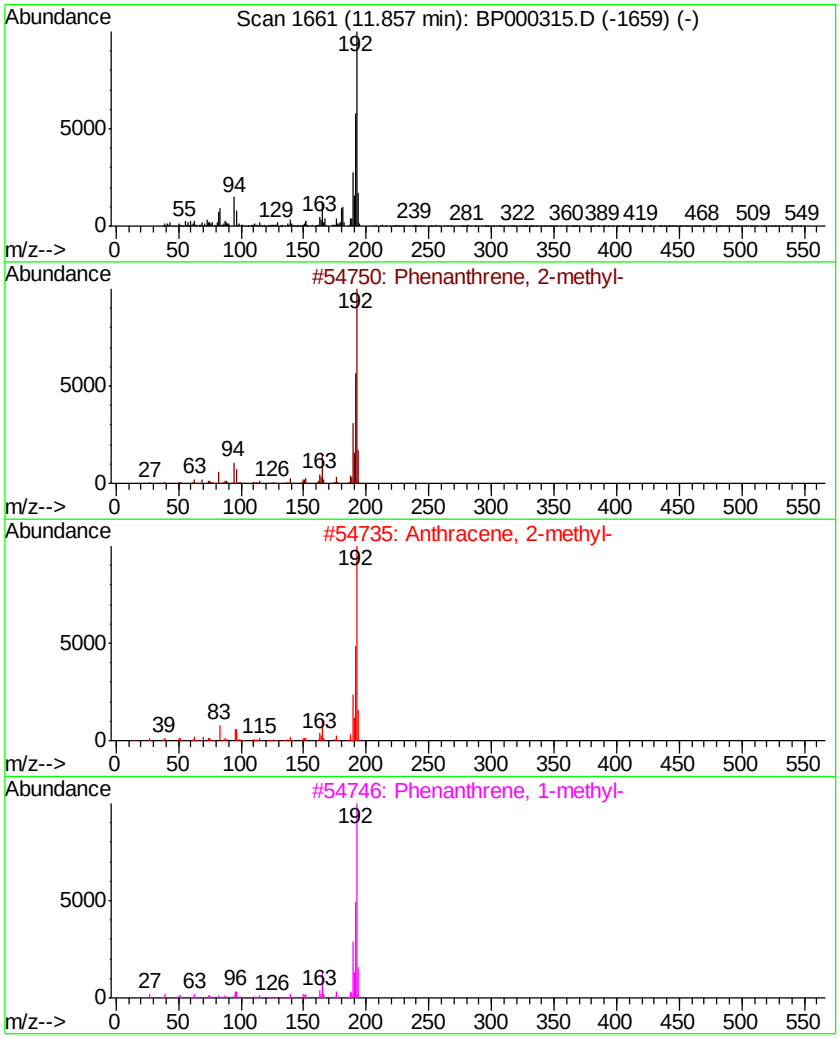
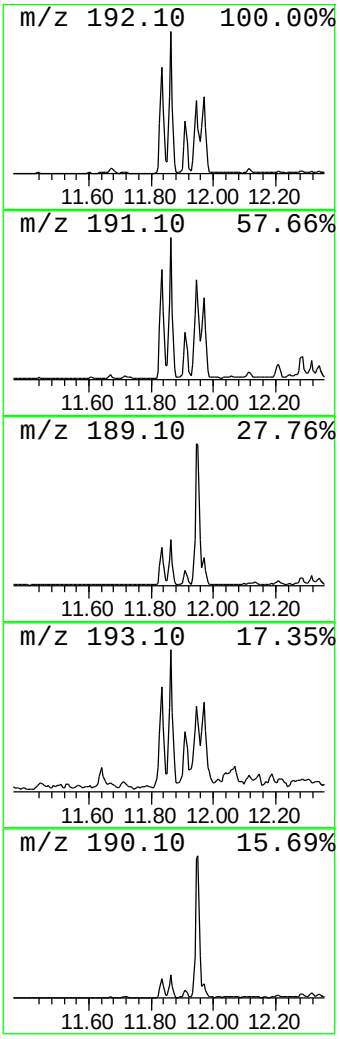
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.35 ng	278076	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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

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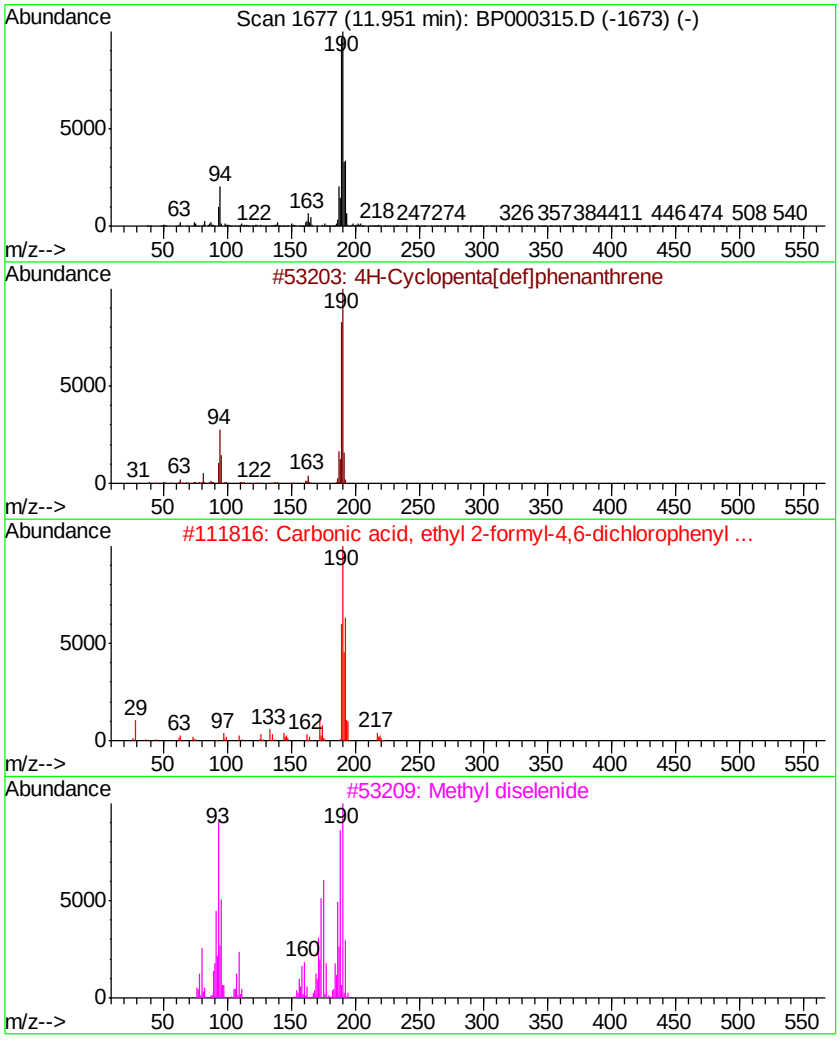
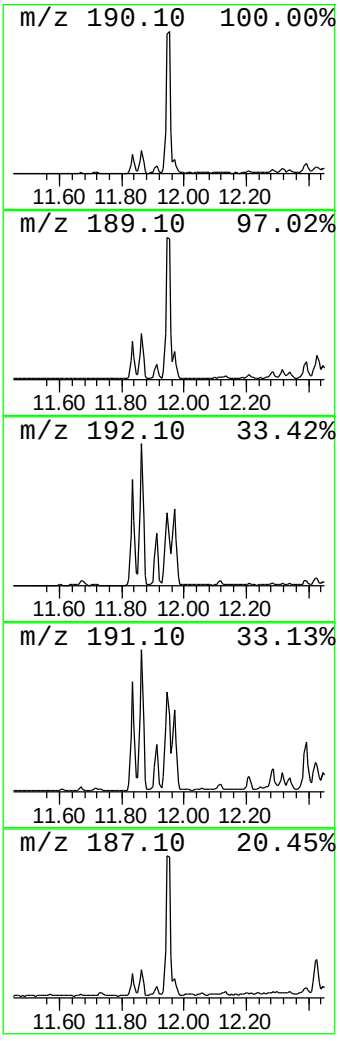
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.82 ng	452399	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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Misc :
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Instrument : BNA_P
ClientSampleId : TR-04-091719

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

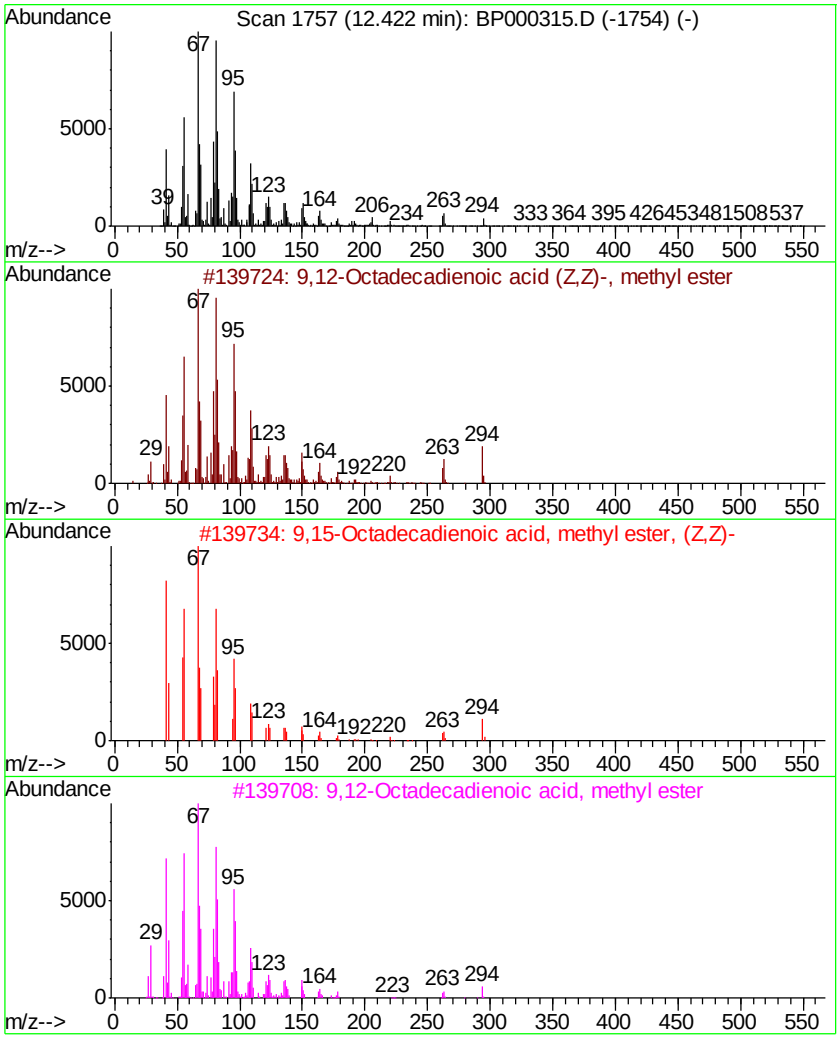
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

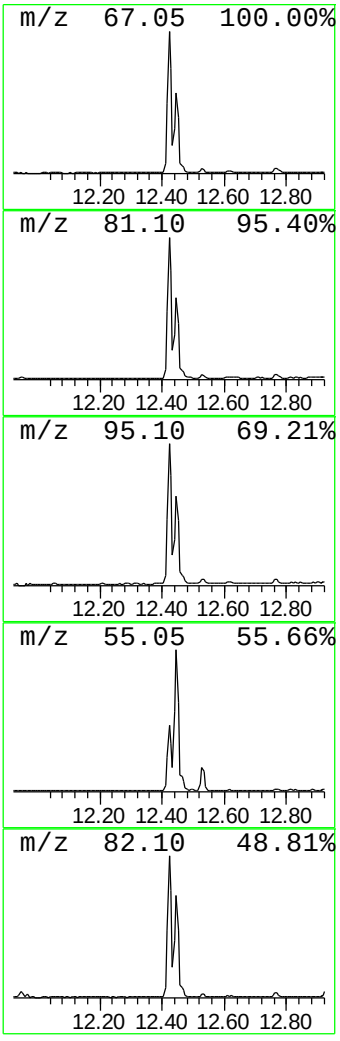
****

Peak Number 6 9,12-Octadecadienoic acid (... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	28.27 ng	3349120	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99





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Misc :
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Instrument : BNA_P
ClientSampleId : TR-04-091719

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

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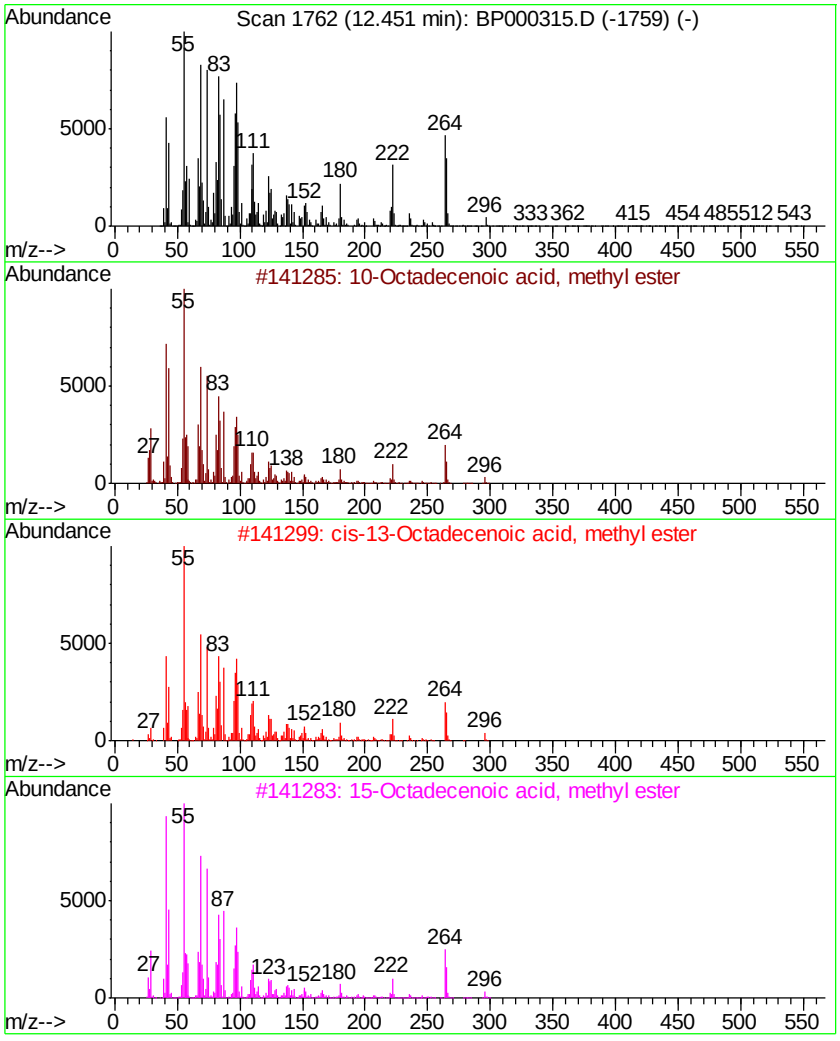
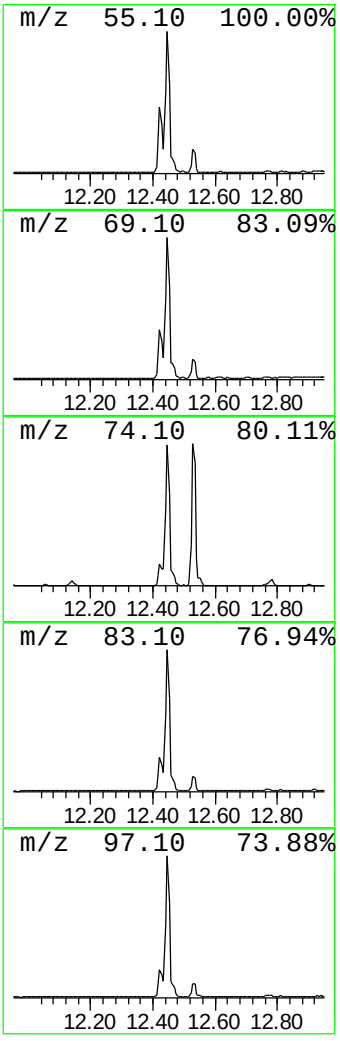
Peak Number 7 10-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	36.71 ng	4348540	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99





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Operator : HP/JU
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Misc :
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Instrument : BNA_P
ClientSampleId : TR-04-091719

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

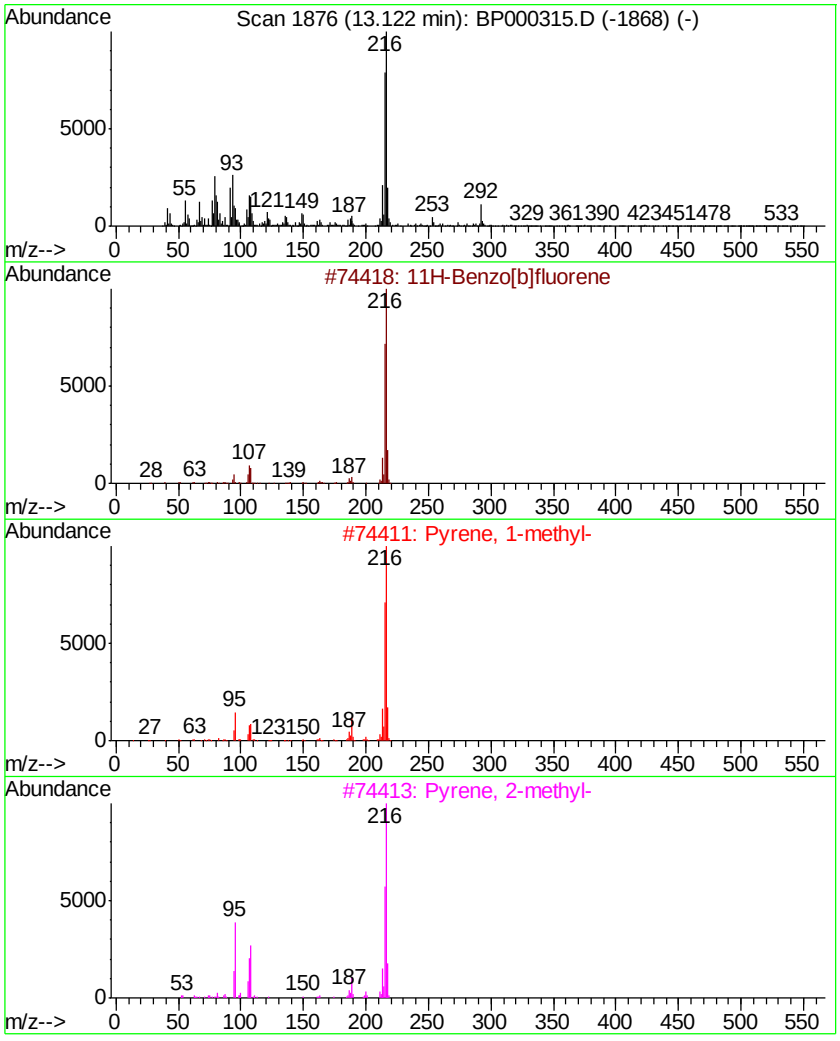
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

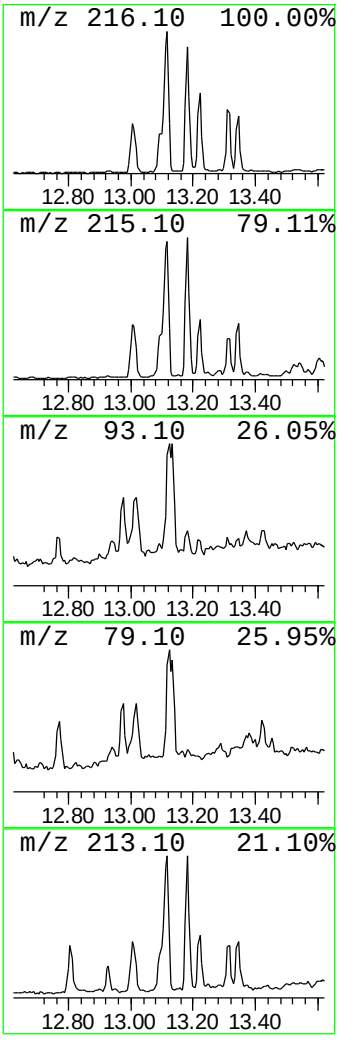
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.92 ng	628359	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
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Sample : K4669-04 10X
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

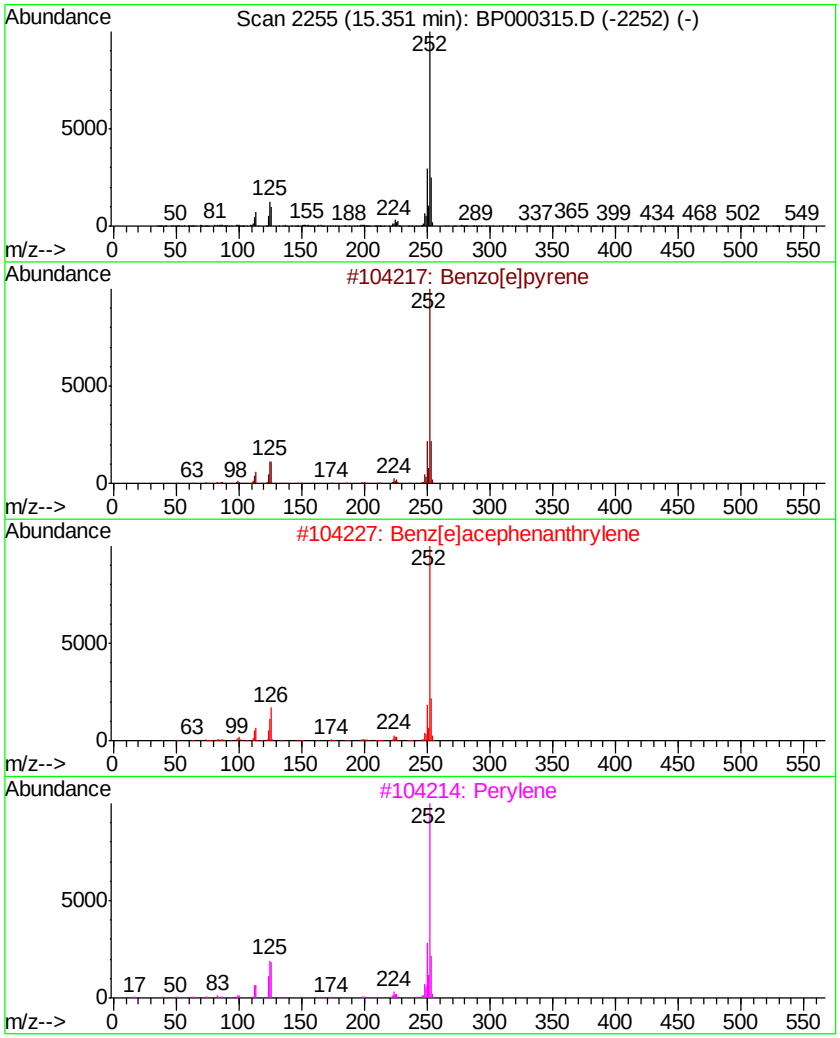
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

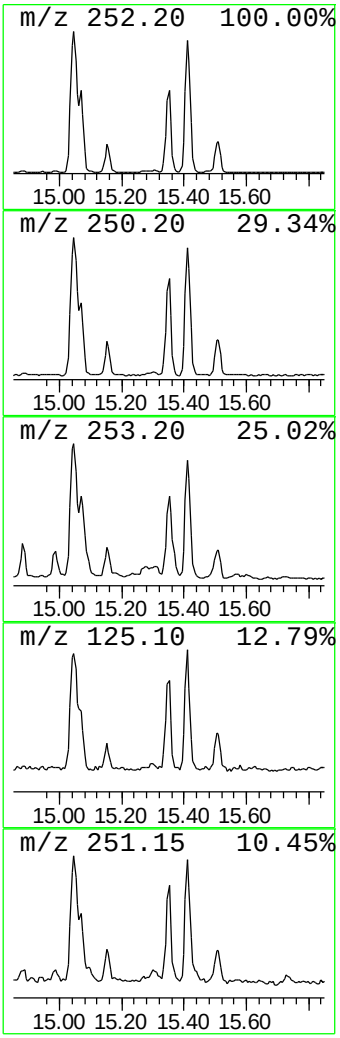
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	4.47 ng	454392	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-091719

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	6.6	ng	483405	1	6.79	1467570	20.0
Hexadecanoic acid...	11.73	18.6	ng	2197000	4	11.33	2369260	20.0
Phenanthrene, 2-m...	11.86	2.4	ng	278076	4	11.33	2369260	20.0
4H-Cyclopenta[def...	11.95	3.8	ng	452399	4	11.33	2369260	20.0
9,12-Octadecadien...	12.42	28.3	ng	3349120	4	11.33	2369260	20.0
10-Octadecenoic a...	12.45	36.7	ng	4348540	4	11.33	2369260	20.0
11H-Benzo[b]fluorene	13.12	3.9	ng	628359	5	13.99	3203010	20.0
Benzo[e]pyrene	15.35	4.5	ng	454392	6	15.48	2033590	20.0