LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

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_F\METHODS\8270-BF073019.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	2.140	3	9	21	rVB	1527920	2117129	60.75%	5.570%
2	5.469	571	575	597	rBV	2776324	3260432	93.56%	8.578%
3	6.481	742	747	765	rBV	2879663	3484782	100.00%	9.168%
4	6.610	765	769	773	rBV	3383245	3364989	96.56%	8.853%
5	6.840	804	808	817	rBV	1096800	1059153	30.39%	2.786%
6	6.992	830	834	846	rBV	2876929	2810732	80.66%	7.395%
7	7.404	900	904	922	rBV	2023768	2258298	64.80%	5.941%
8	8.116	1022	1025	1032	rBV	1249384	1216216	34.90%	3.200%
9	9.139	1196	1199	1204	rBV	39253	40714	1.17%	0.107%
10	9.192	1204	1208	1211	rBV	3880435	3471891	99.63%	9.134%
11	9.586	1271	1275	1284	rBV	340181	387673	11.12%	1.020%
12	9.733	1297	1300	1304	rBV	49574	61305	1.76%	0.161%
13	9.869	1320	1323	1327	rBV	1484847	1285713	36.90%	3.382%
14	9.904	1327	1329	1333	rVB	90774	76850	2.21%	0.202%
15	10.122	1363	1366	1370	rVB5	32820	39930	1.15%	0.105%
16	10.186	1375	1377	1382	rBV3	25057	41694	1.20%	0.110%
17	10.422	1414	1417	1423	rVB	52888	60438	1.73%	0.159%
18	10.516	1430	1433	1439	rVB	53953	70801	2.03%	0.186%
19	10.663	1454	1458	1468	rBV	1455365	1590757	45.65%	4.185%
20	10.786	1474	1479	1482	rBV	111220	141488	4.06%	0.372%
21	11.251	1554	1558	1563	rVB3	75813	111836	3.21%	0.294%
22	11.357	1572	1576	1578	rBV	1206674	1052970	30.22%	2.770%
23	11.380	1578	1580	1585	rVV	496465	489386	14.04%	1.287%
24	11.439	1585	1590	1595	rVB	101103	142881	4.10%	0.376%
25	11.598	1614	1617	1622	rBV	54510	70252	2.02%	0.185%
26	11.863	1659	1662	1663	rBV	61388	55572	1.59%	0.146%
27	11.892	1663	1667	1672	rVB2	88600	135362	3.88%	0.356%
28	11.975	1677	1681	1684	rBV	138168	139124	3.99%	0.366%
29	12.157	1709	1712	1715	rBV	52345	53033	1.52%	0.140%
30	12.410	1752	1755	1757	rBV	63496	64613	1.85%	0.170%
31	12.439	1757	1760	1764	rVB4	44288	64873	1.86%	0.171%
32	12.574	1779	1783	1786	rBV	911101	843626	24.21%	2.219%
33	12.604	1786	1788	1792	rVB2	52353	58627	1.68%	0.154%
34	12.669	1797	1799	1806	rVB4	35139	47430	1.36%	0.125%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

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_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.727	1806	1809	1811	rBV	49166	46004	1.32%	0.121%
36	12.804	1816	1822	1828	rVV	820751	950564	27.28%	2.501%
37	12.857	1828	1831	1834	rVB2	40266	44199	1.27%	0.116%
38	12.939	1840	1845	1848	rBV	2755700	2527018	72.52%	6.648%
39	13.022	1855	1859	1863	rBV2	50910	87316	2.51%	0.230%
40	13.133	1871	1878	1881	rBV	118327	179436	5.15%	0.472%
41	13.198	1886	1889	1892	rVV	108605	98730	2.83%	0.260%
42	13.239	1892	1896	1903	rVV3	71430	116940	3.36%	0.308%
43	13.327	1909	1911	1914	rBV	43449	38045	1.09%	0.100%
44	13.363	1914	1917	1918	rBV	48779	43864	1.26%	0.115%
45	13.757	1981	1984	1986	rBV	59912	68362	1.96%	0.180%
46	13.804	1990	1992	1994	rBV	49908	52074	1.49%	0.137%
47	13.998	2021	2025	2028	rBV2	956742	1256765	36.06%	3.306%
48	14.027	2028	2030	2034	rVB	359763	314399	9.02%	0.827%
49	14.110	2041	2044	2047	rVB	85391	76690	2.20%	0.202%
50	15.045	2199	2203	2206	rBV	303323	416116	11.94%	1.095%
51	15.345	2251	2254	2261	rVB	185205	222254	6.38%	0.585%
52	15.410	2261	2265	2270	rBV	279839	363115	10.42%	0.955%
53	15.468	2271	2275	2279	rBV	551712	709836	20.37%	1.867%
54	16.957	2524	2528	2535	rVB2	117433	228675	6.56%	0.602%

Sum of corrected areas: 38010972

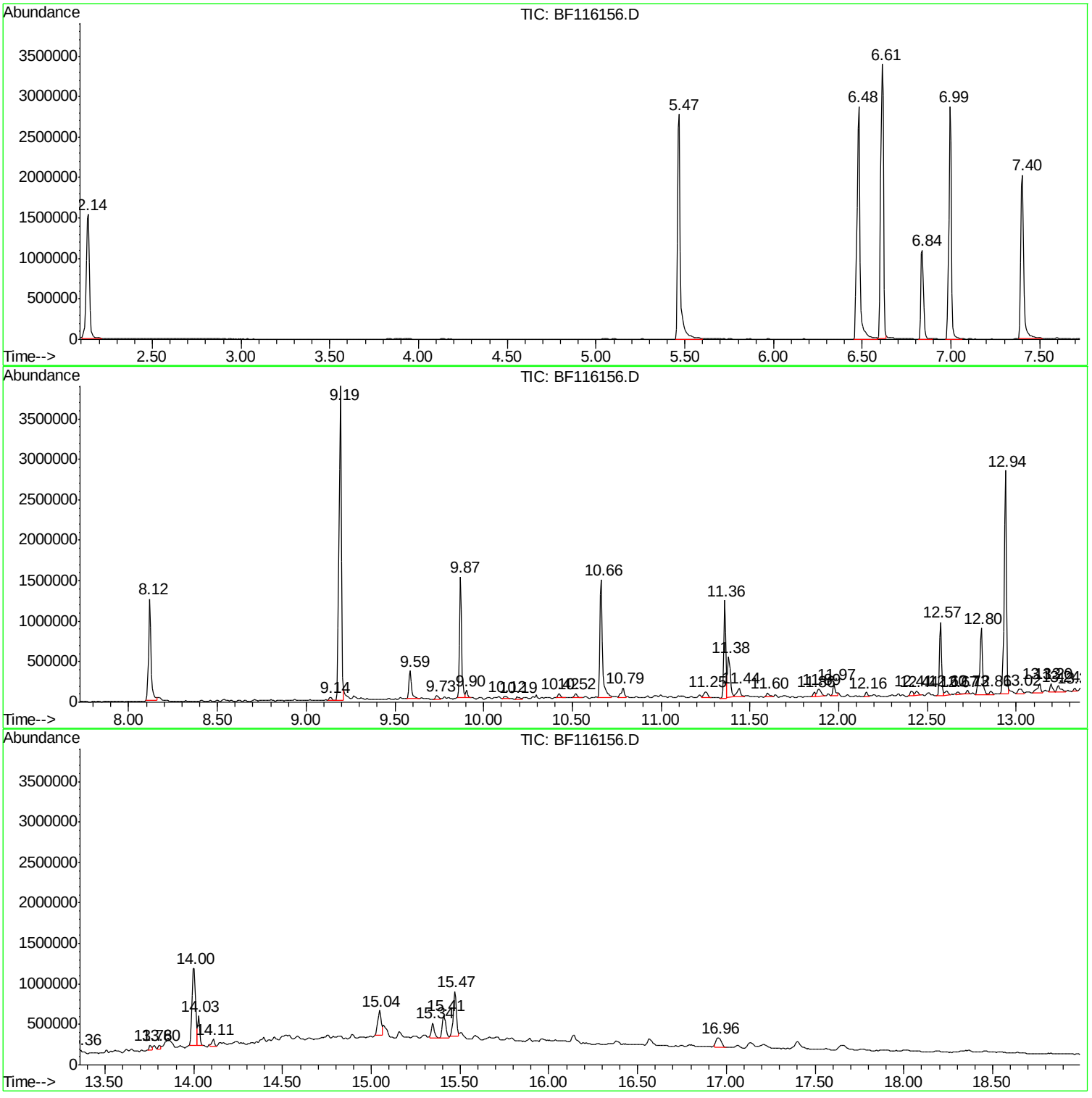
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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 F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

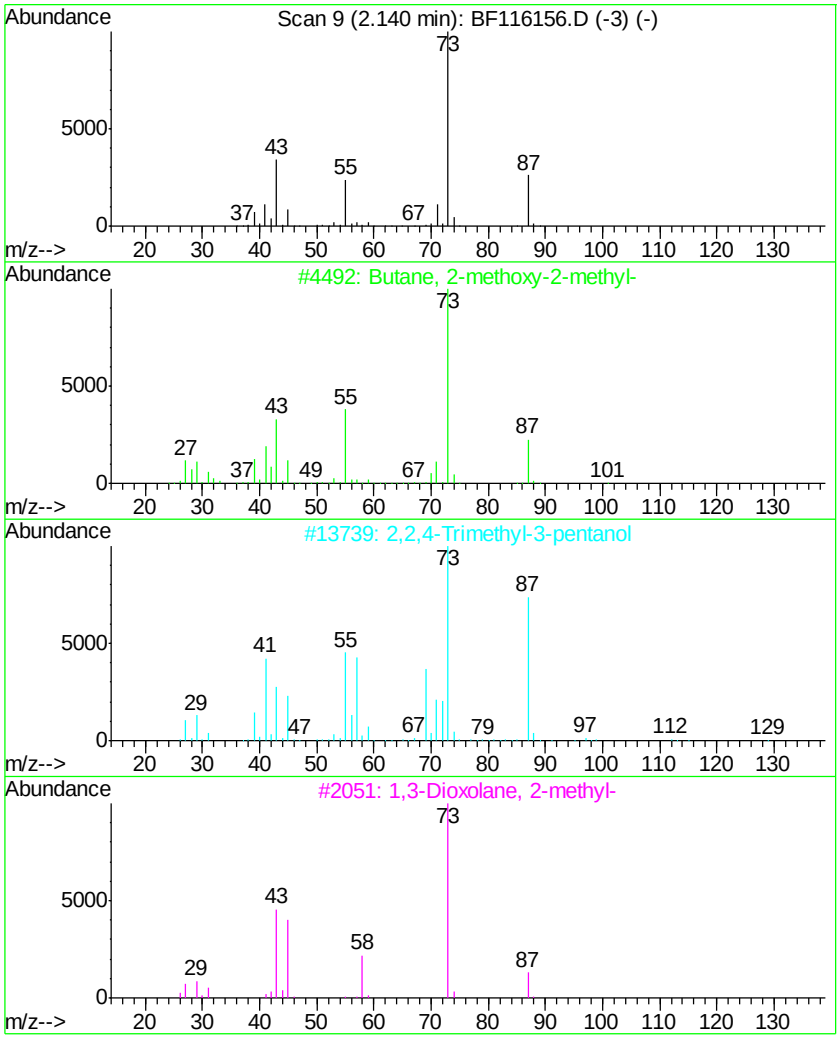
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

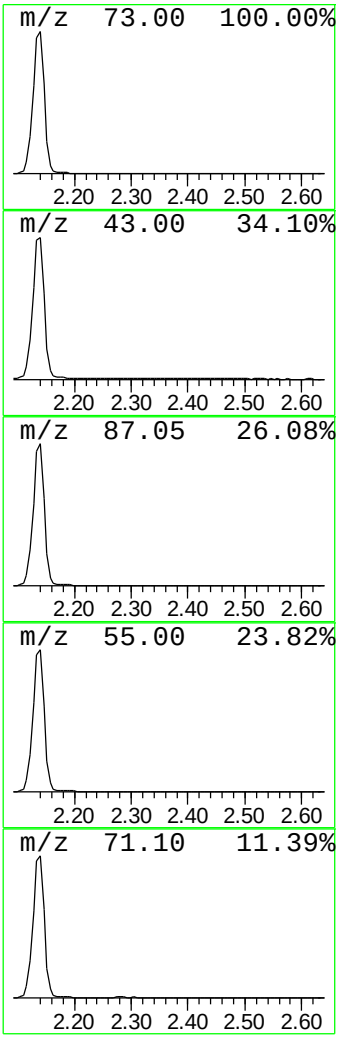
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	39.98 ng	2117130	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

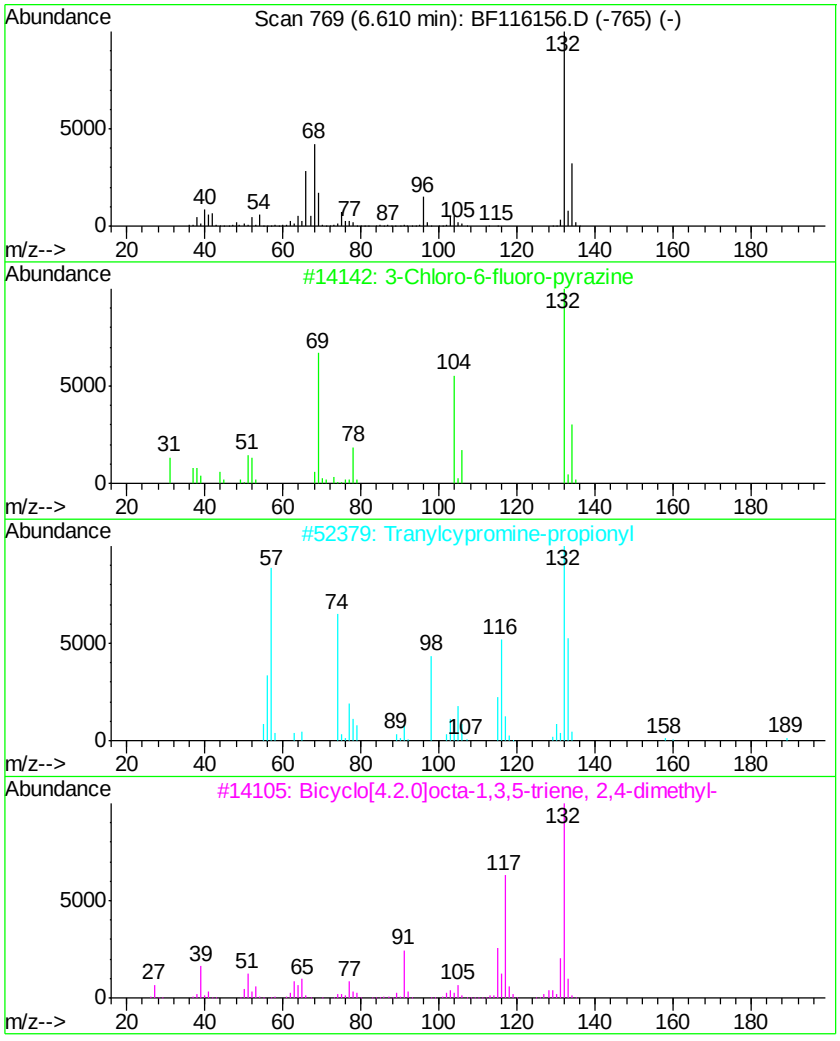
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

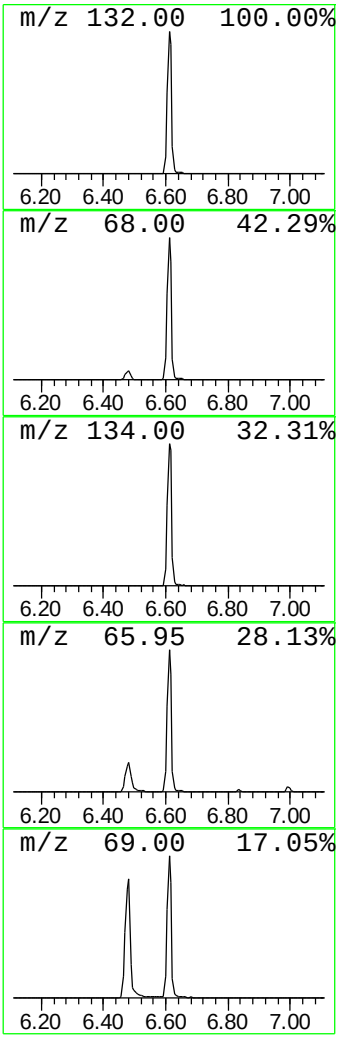
****

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	63.54 ng	3364990	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

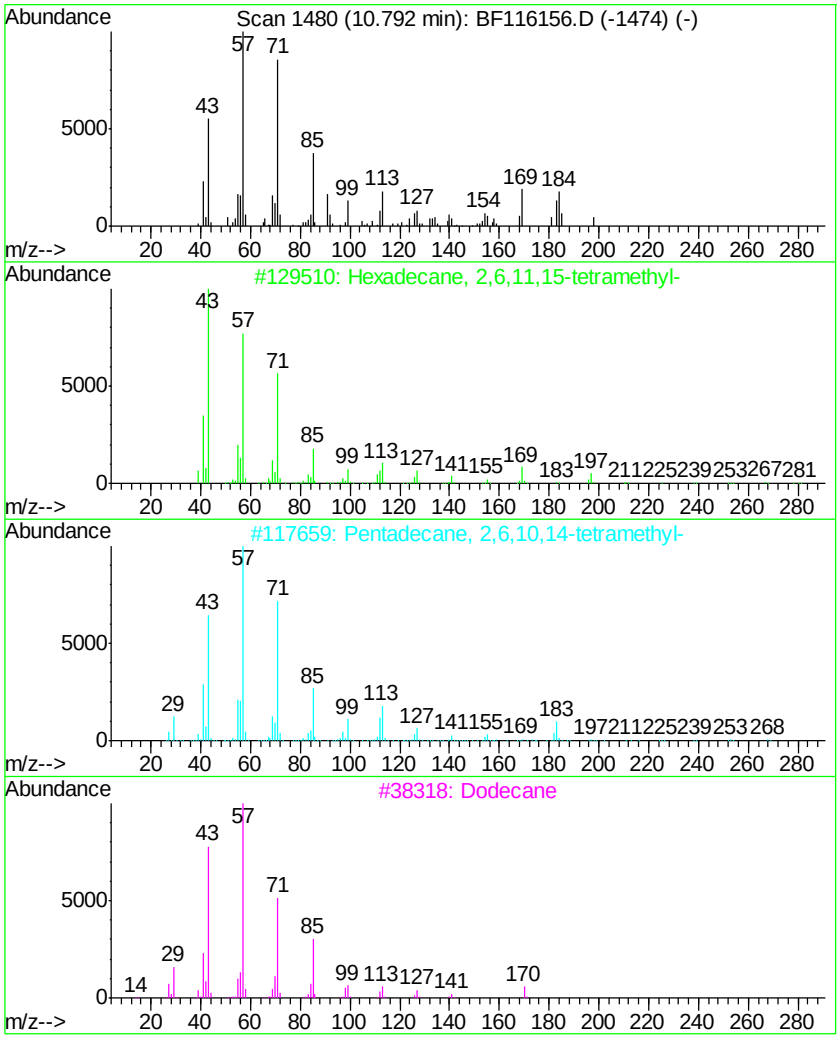
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

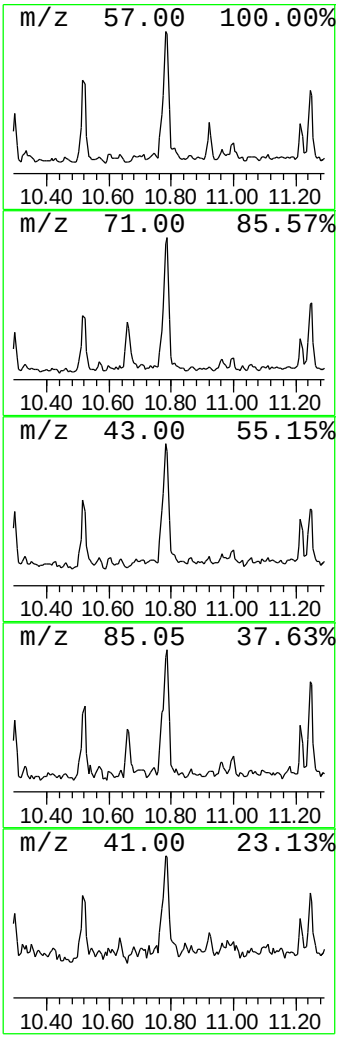
****

Peak Number 4 Hexadecane, 2,6,11,15-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.69 ng	141488	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
3	Dodecane	170	C12H26	000112-40-3	68
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	59
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

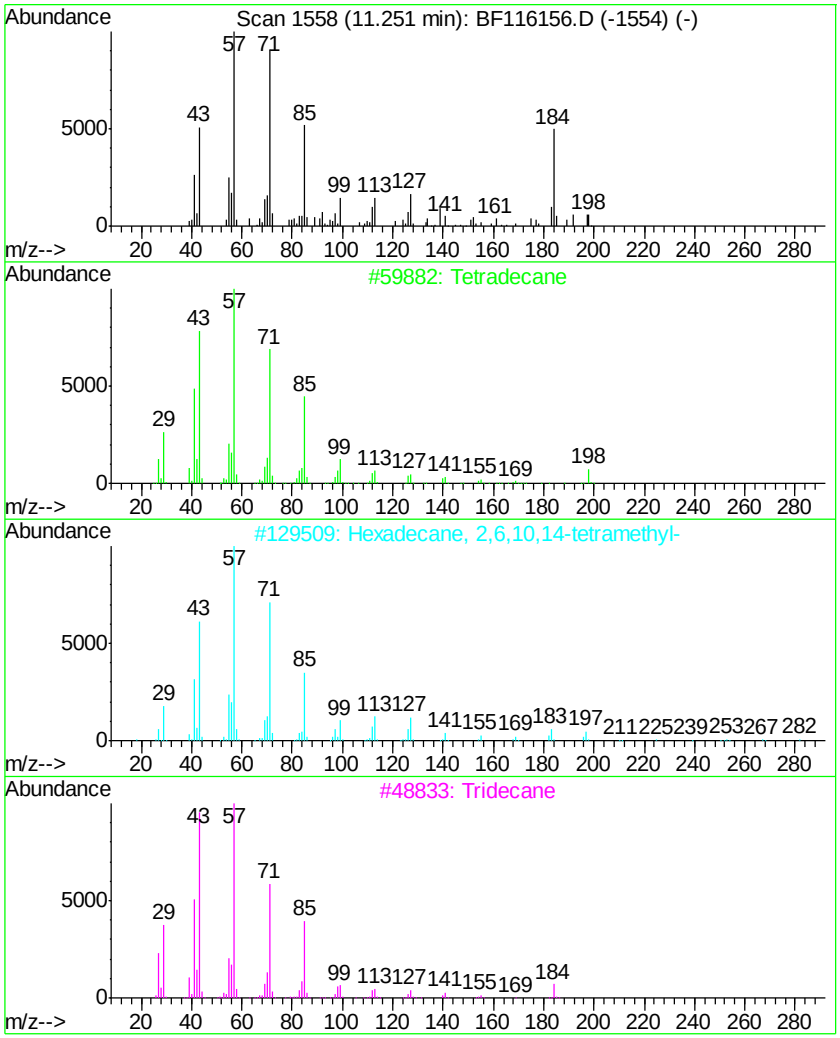
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

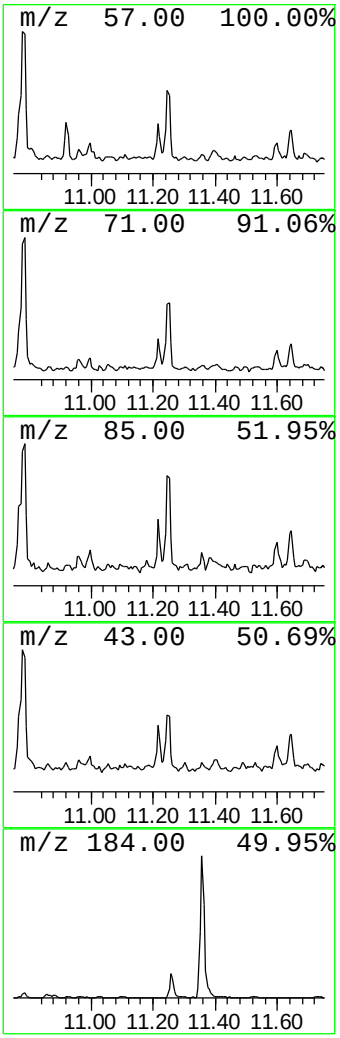
****

Peak Number 5 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.12 ng	111836	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	70
3	Tridecane	184	C13H28	000629-50-5	58
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	50
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49





Library Search Compound Report

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Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

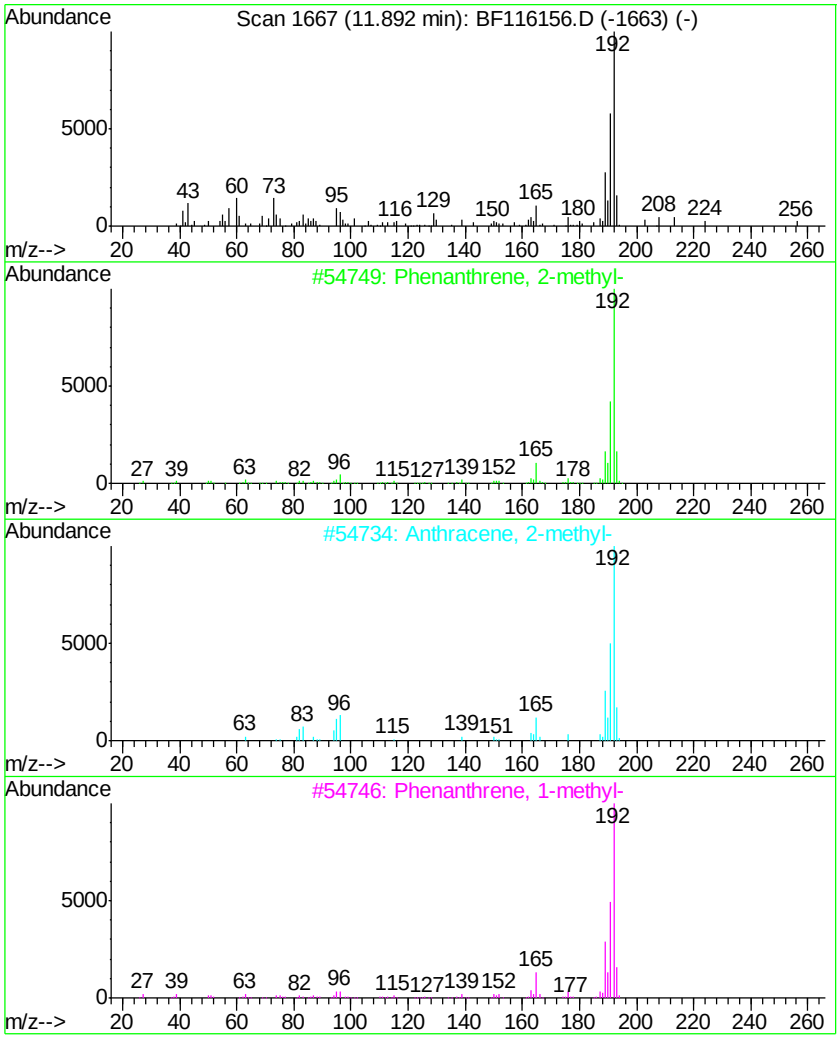
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

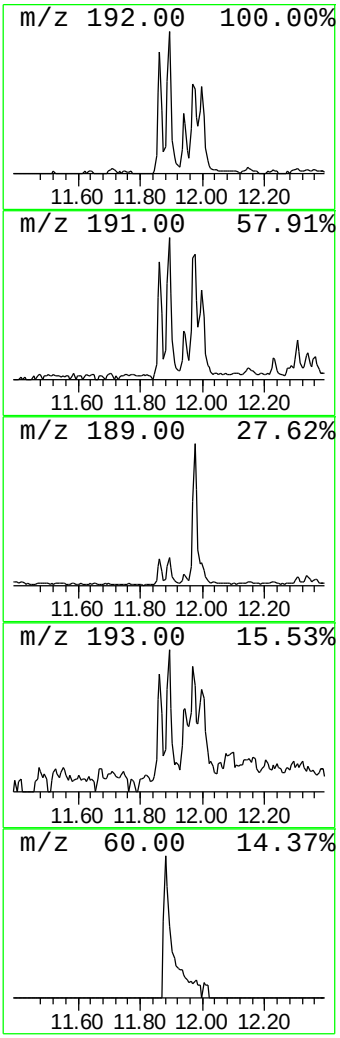
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.57 ng	135362	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

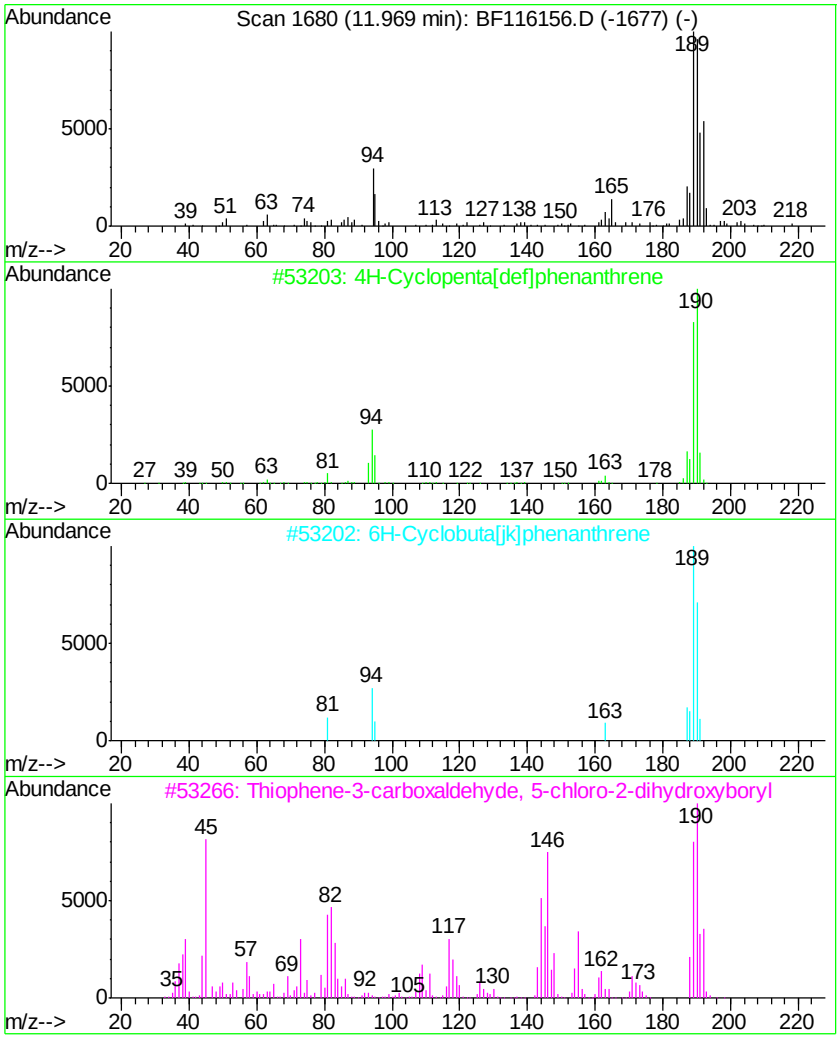
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

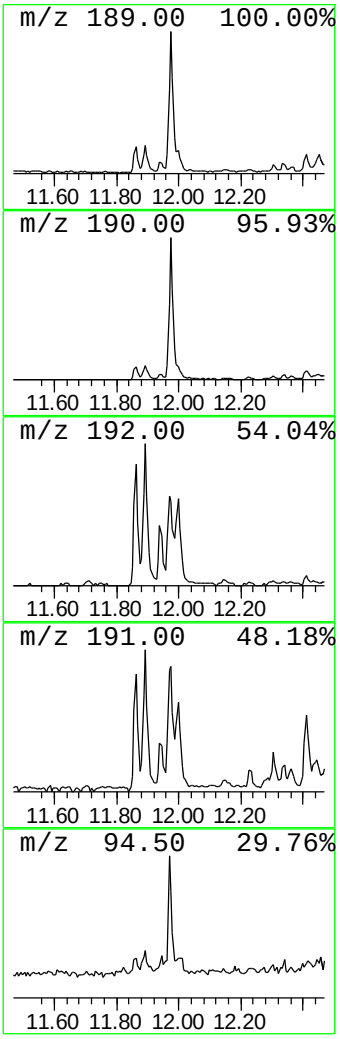
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.64 ng	139124	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

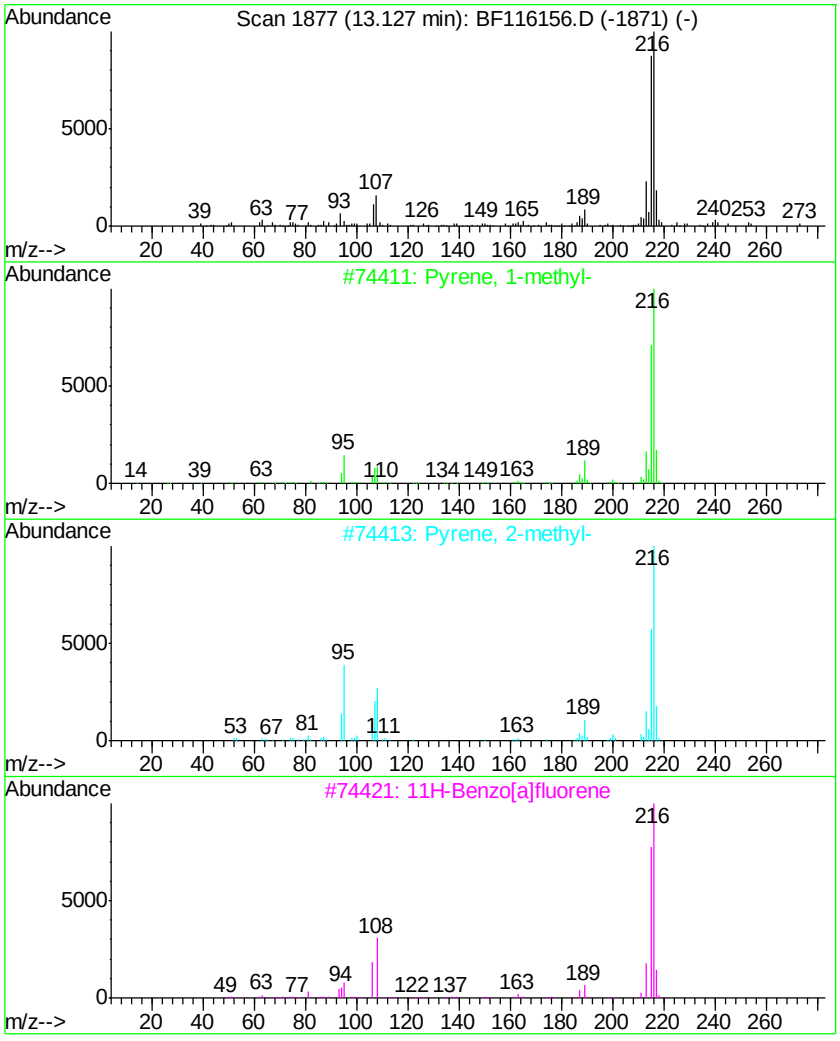
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

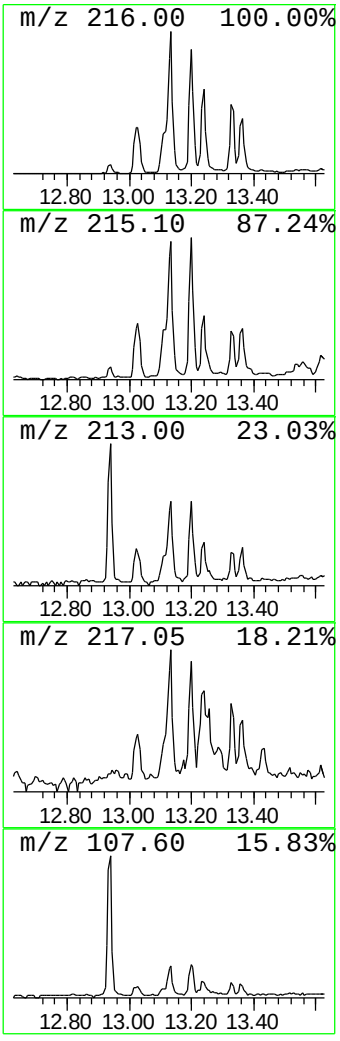
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.86 ng	179436	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

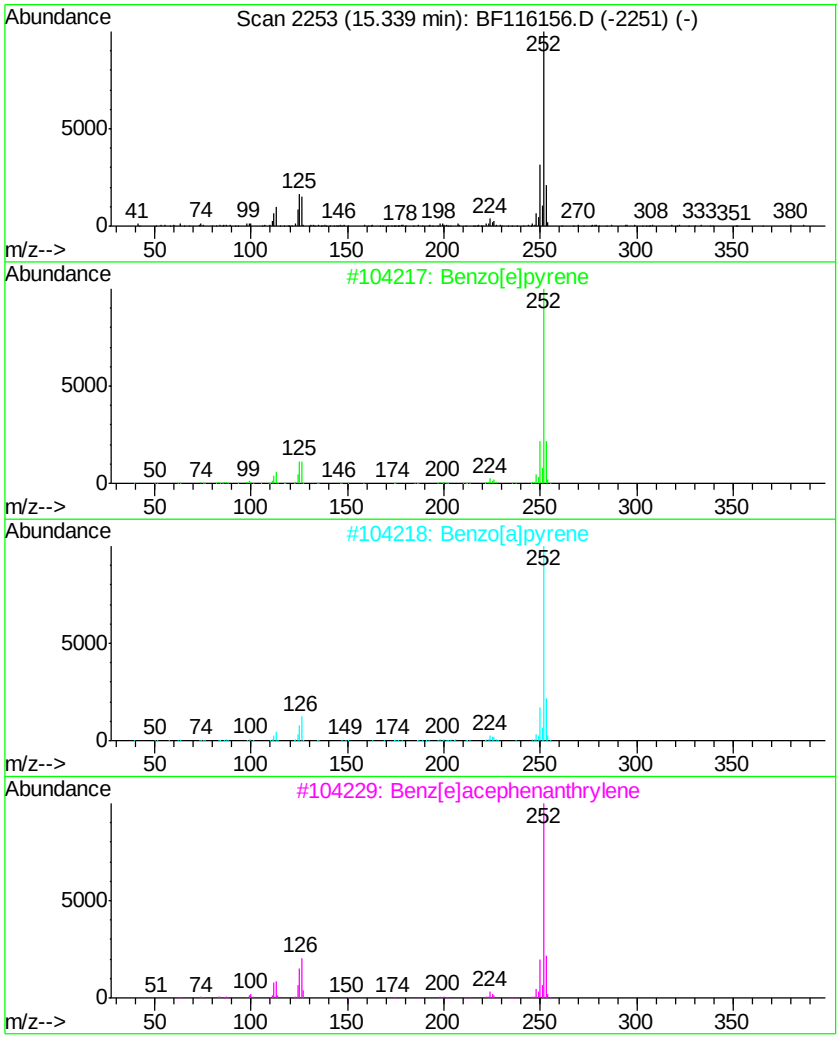
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

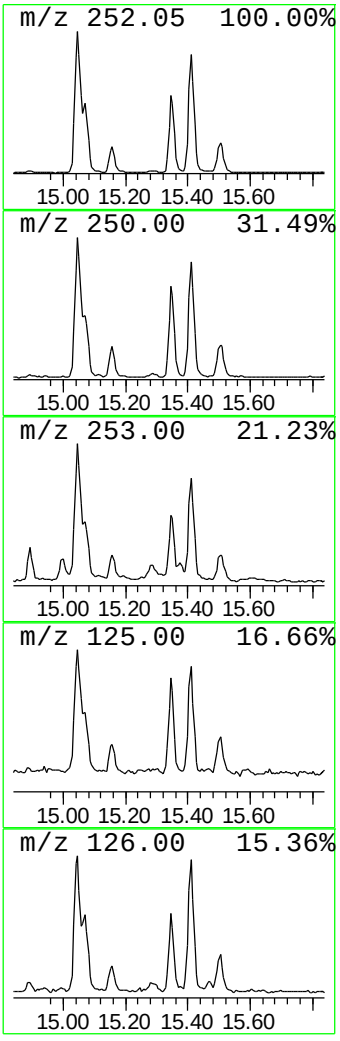
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.26 ng	222254	Perylene-d12	15.47

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081019\
Data File : BF116156.D
Acq On : 10 Aug 2019 18:34
Operator : HP/JU
Sample : K4090-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-080919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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...	2.14	40.0	ng	2117130	1	6.84	1059150	20.0
unknown6.61	6.61	63.5	ng	3364990	1	6.84	1059150	20.0
Hexadecane, 2,6,1...	10.79	2.7	ng	141488	4	11.36	1052970	20.0
Tetradecane	11.25	2.1	ng	111836	4	11.36	1052970	20.0
Phenanthrene, 2-m...	11.89	2.6	ng	135362	4	11.36	1052970	20.0
4H-Cyclopenta[def...	11.97	2.6	ng	139124	4	11.36	1052970	20.0
Pyrene, 1-methyl-	13.13	2.9	ng	179436	5	14.00	1256770	20.0
Benzo[e]pyrene	15.34	6.3	ng	222254	6	15.47	709836	20.0