LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

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-BF111319.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	4	9	16	rVB	553469	736862	20.92%	1.398%
2	2.510	61	72	83	rVB	292861	467449	13.27%	0.887%
3	5.087	505	510	517	rVB	429898	495910	14.08%	0.941%
4	5.492	575	579	582	rBV	2740458	2444963	69.40%	4.638%
5	6.504	746	751	754	rBV	2722579	2616978	74.29%	4.964%
6	6.645	771	775	778	rBV	3210782	2855621	81.06%	5.417%
7	6.875	811	814	818	rBV	983449	780946	22.17%	1.481%
8	7.034	837	841	844	rBV	2814395	2255732	64.03%	4.279%
9	7.439	905	910	913	rBV	1935191	1673658	47.51%	3.175%
10	8.163	1027	1033	1036	rBV	1232142	1023642	29.06%	1.942%
11	9.239	1212	1216	1220	rBV	3385198	3096193	87.89%	5.873%
12	9.580	1271	1274	1276	rBV	51917	47440	1.35%	0.090%
13	9.633	1280	1283	1287	rVV	542483	462626	13.13%	0.878%
14	9.786	1306	1309	1312	rBV	159406	138614	3.93%	0.263%
15	9.839	1312	1318	1319	rBV2	60291	72164	2.05%	0.137%
16	9.927	1326	1333	1336	rBV	1348908	1161733	32.98%	2.204%
17	9.957	1336	1338	1342	rVB2	74528	69492	1.97%	0.132%
18	10.127	1363	1367	1372	rBV2	104204	115625	3.28%	0.219%
19	10.245	1384	1387	1389	rBV3	57584	55894	1.59%	0.106%
20	10.333	1399	1402	1404	rBV3	84110	88414	2.51%	0.168%
21	10.386	1408	1411	1413	rBV3	46343	58853	1.67%	0.112%
22	10.474	1423	1426	1429	rBV2	104897	111424	3.16%	0.211%
23	10.716	1464	1467	1471	rBV	1988480	1908373	54.17%	3.620%
24	10.845	1485	1489	1491	rBV2	255181	266319	7.56%	0.505%
25	11.316	1566	1569	1574	rVB	239566	251749	7.15%	0.478%
26	11.421	1584	1587	1589	rBV	1229502	1083926	30.77%	2.056%
27	11.445	1589	1591	1594	rVV	1509996	1143148	32.45%	2.169%
28	11.498	1597	1600	1602	rVV	227176	202857	5.76%	0.385%
29	11.927	1670	1673	1674	rBV	215292	190167	5.40%	0.361%
30	11.951	1674	1677	1683	rVB	1288917	1215957	34.52%	2.307%
31	12.033	1689	1691	1694	rBV2	278788	244924	6.95%	0.465%
32	12.645	1792	1795	1799	rVB	2580748	2322102	65.91%	4.405%
33	12.739	1808	1811	1815	rBV	811239	888417	25.22%	1.685%
34	12.880	1829	1835	1840	rBV	2185541	2643104	75.03%	5.014%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
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Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.015	1854	1858	1861	rBV	2716239	2316932	65.77%	4.395%
36	14.074	2032	2038	2041	rBV3	1986718	3405172	96.66%	6.460%
37	14.110	2041	2044	2047	rVB	2139879	1940143	55.07%	3.680%
38	15.151	2216	2221	2224	rBV	2120945	3522886	100.00%	6.683%
39	15.204	2228	2230	2235	rVB3	558168	670046	19.02%	1.271%
40	15.462	2270	2274	2279	rVB	1435124	1918558	54.46%	3.639%
41	15.527	2281	2285	2290	rVV	1374005	1769128	50.22%	3.356%
42	15.592	2292	2296	2307	rVB3	956577	2044303	58.03%	3.878%
43	17.109	2549	2554	2562	rVB2	588122	1165008	33.07%	2.210%
44	17.568	2628	2632	2641	rVB	397166	771591	21.90%	1.464%

Sum of corrected areas: 52715043

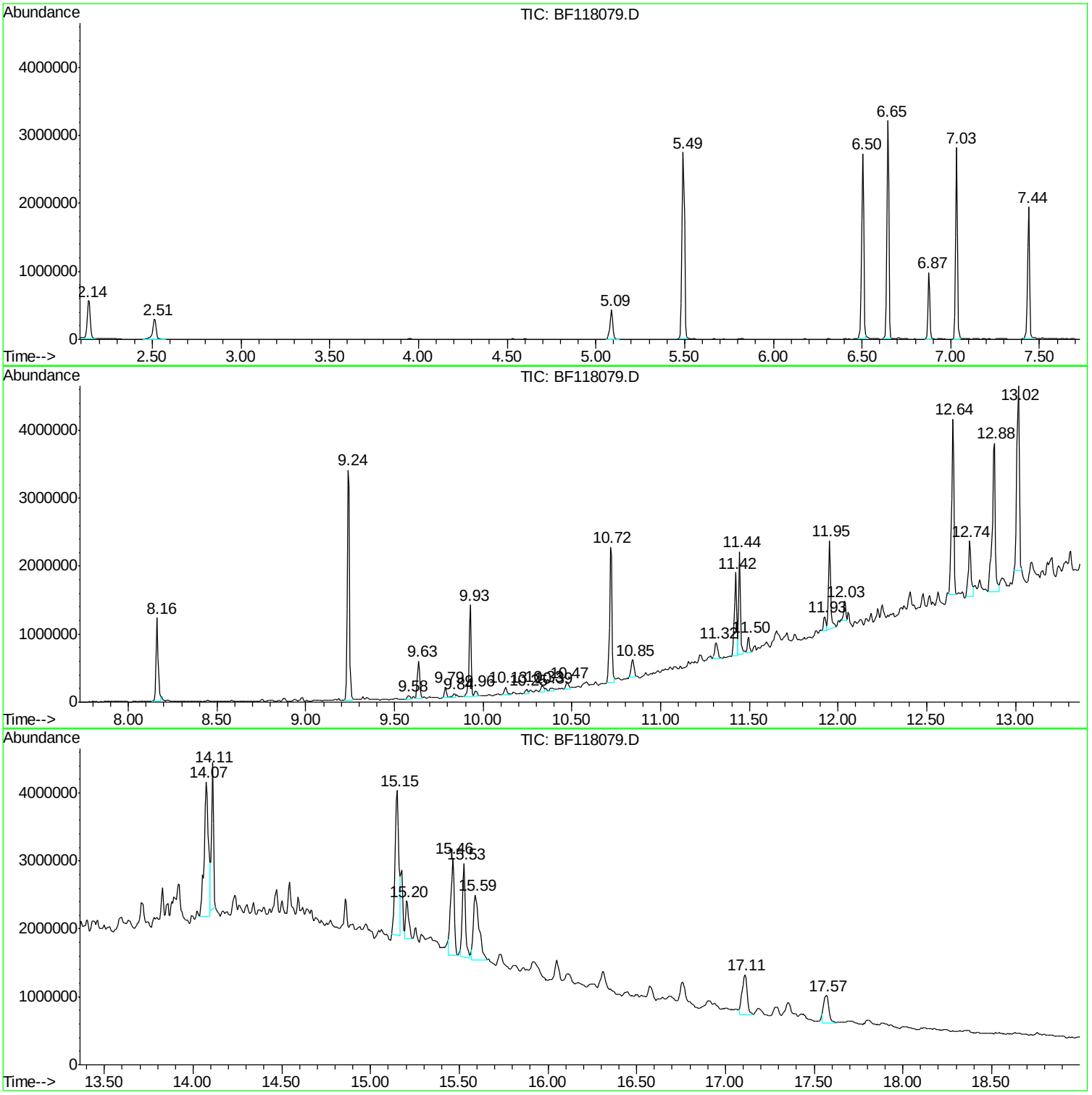
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

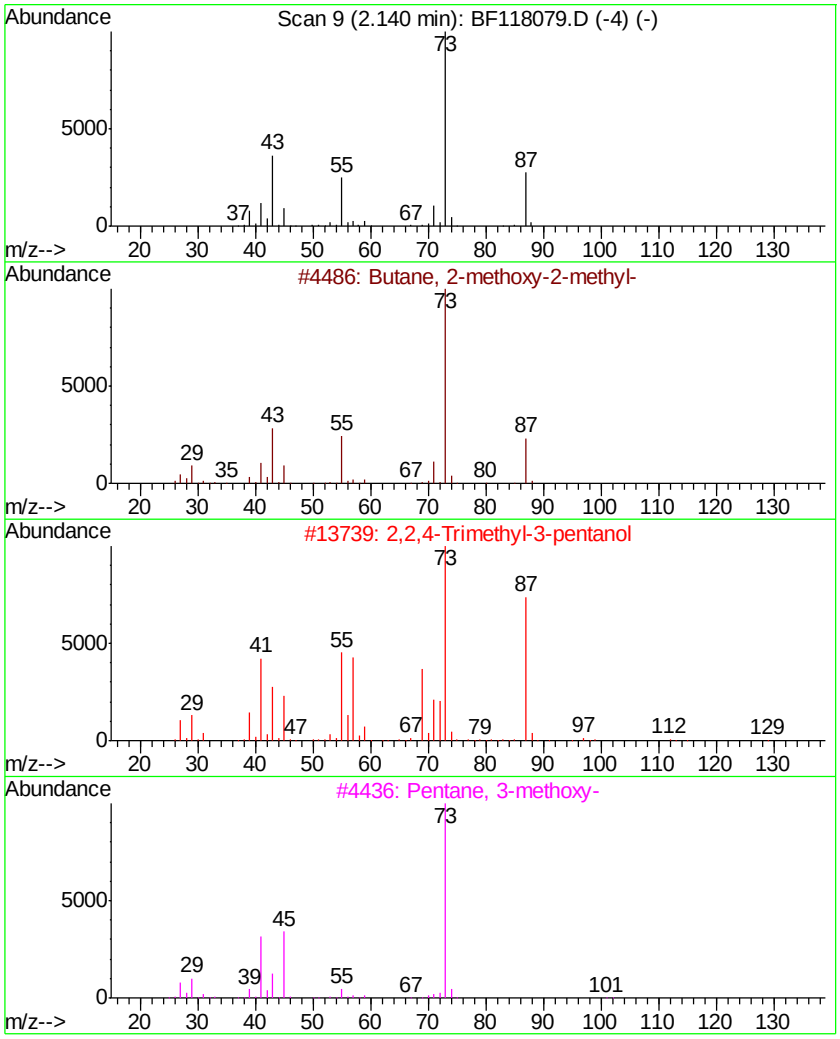
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

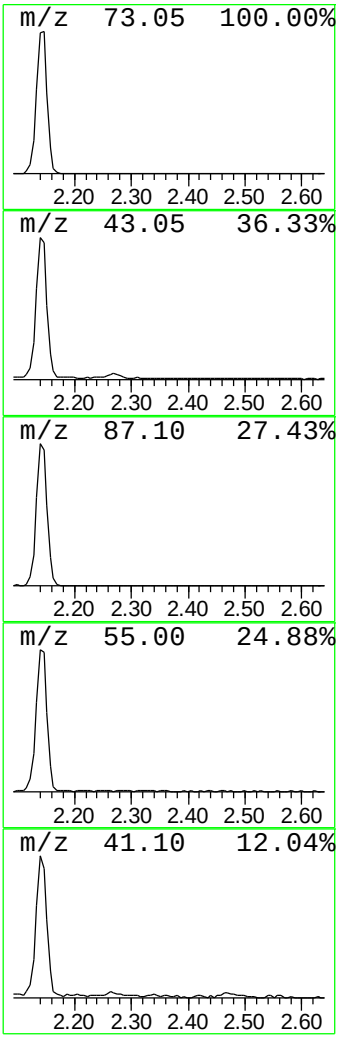
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	18.87 ng	736862	1,4-Dichlorobenzene-d4	6.87

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	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

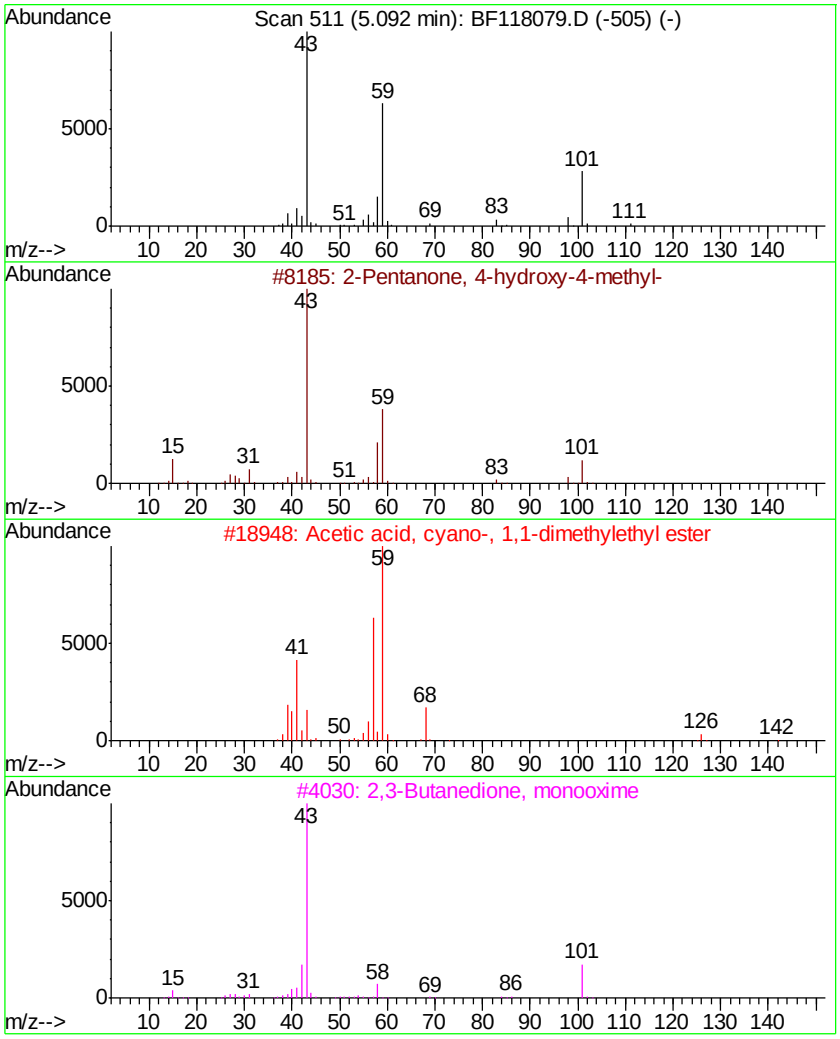
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

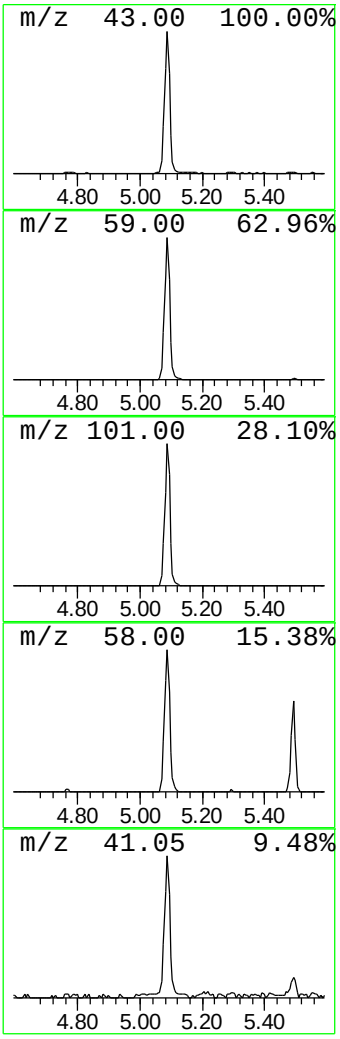
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	12.70 ng	495910	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

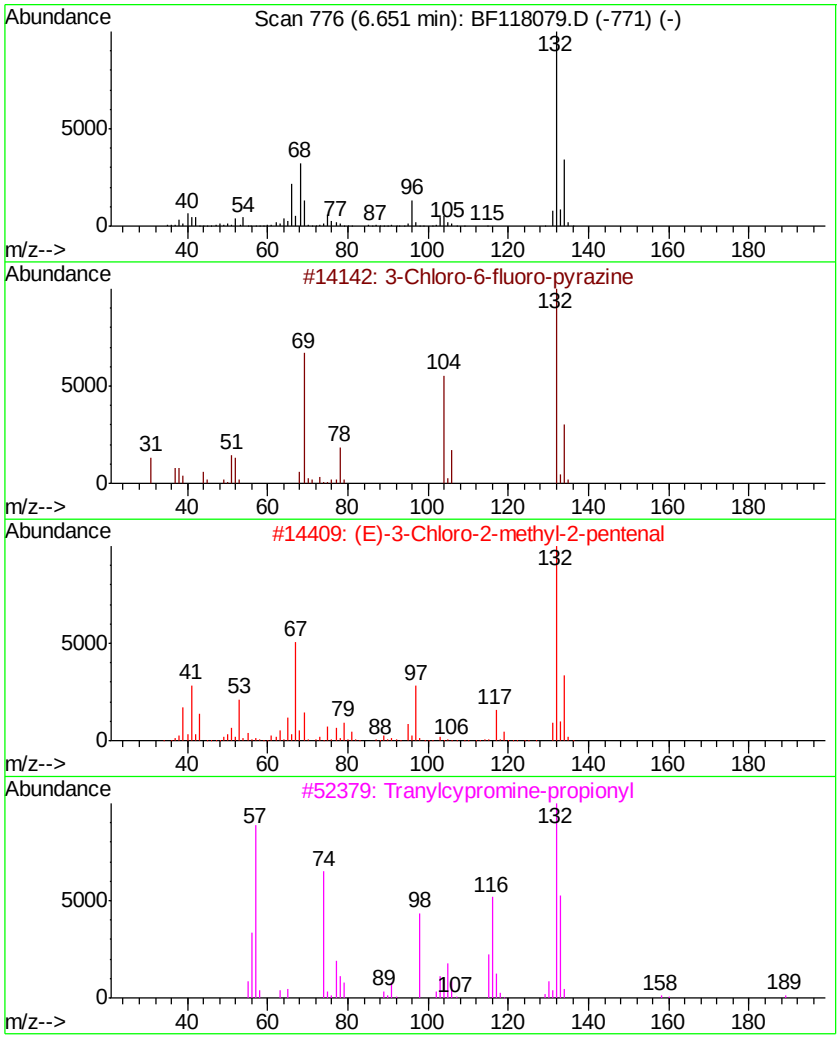
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

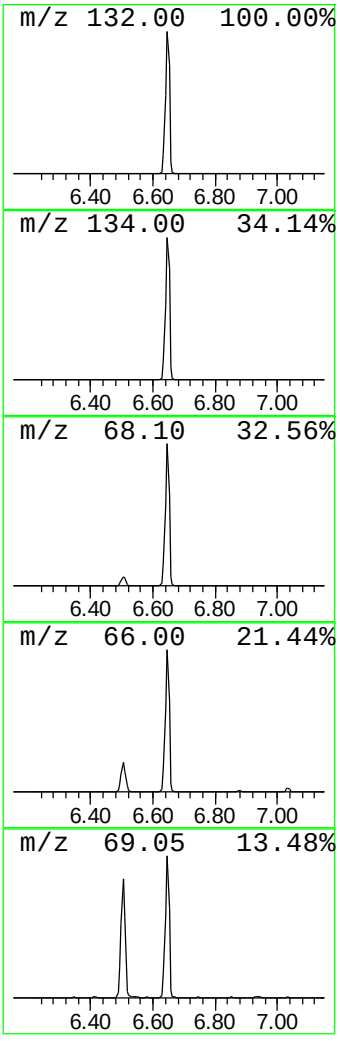
****

Peak Number 4 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	73.13 ng	2855620	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

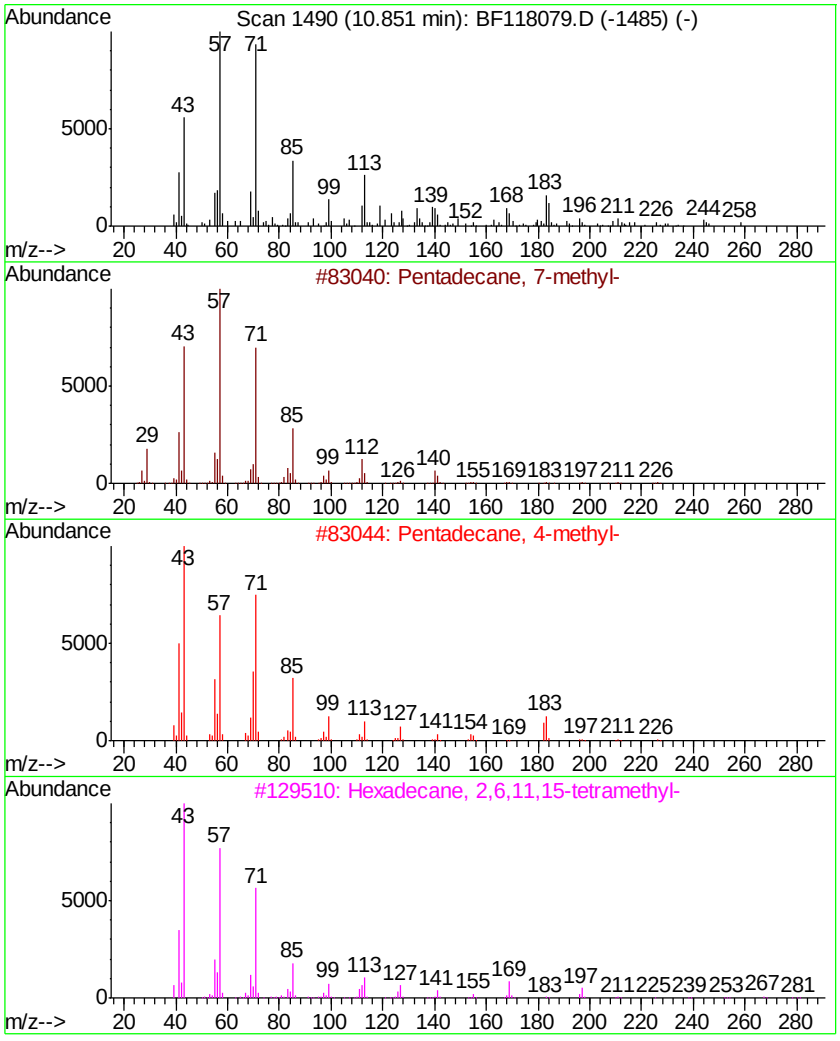
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

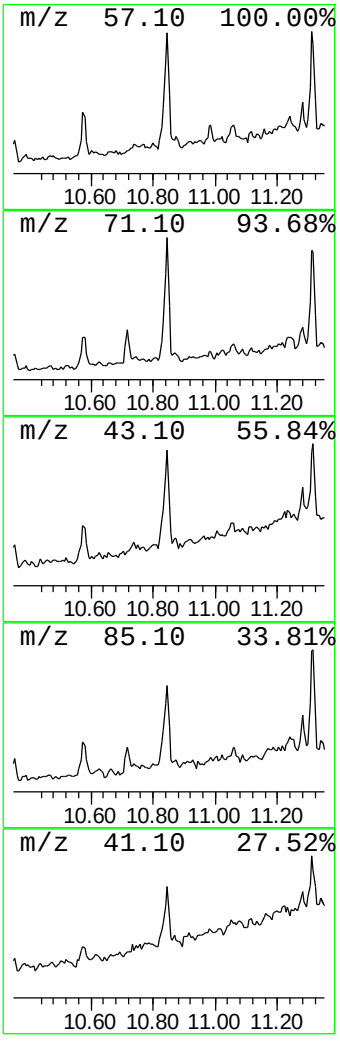
****

Peak Number 6 Pentadecane, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	4.91 ng	266319	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	83
2	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	74
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	58
5	Tetradecane, 4,11-dimethyl-	226	C16H34	055045-12-0	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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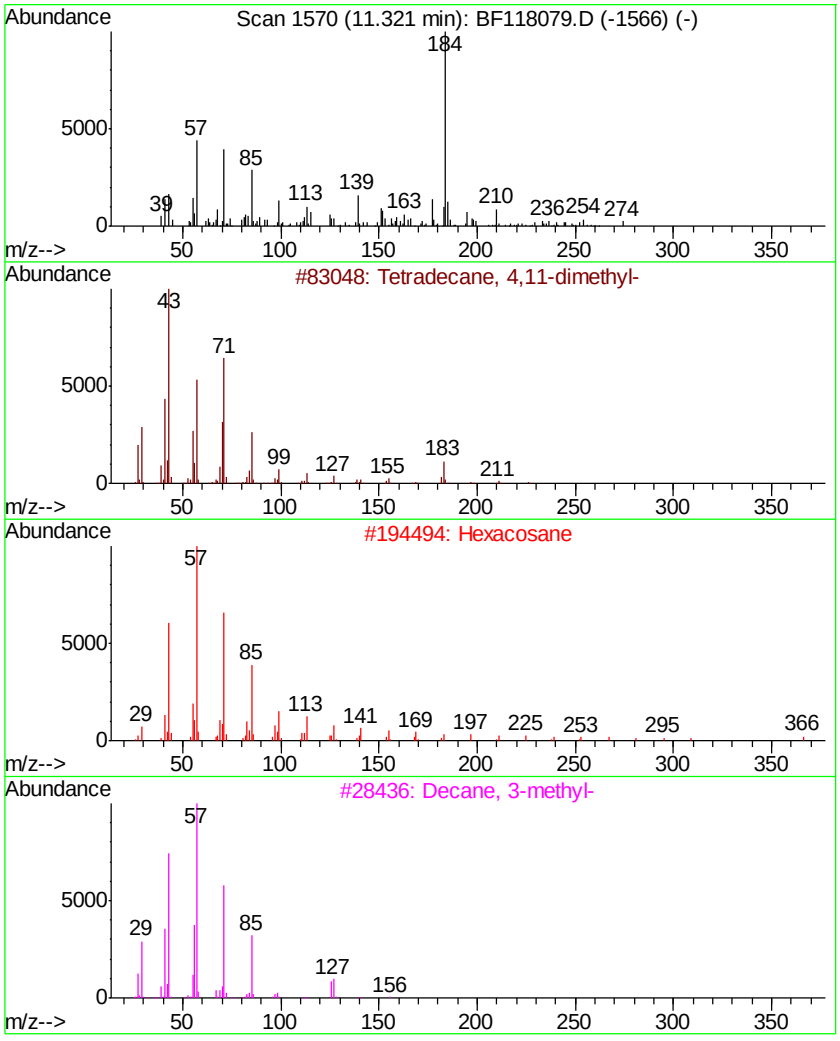
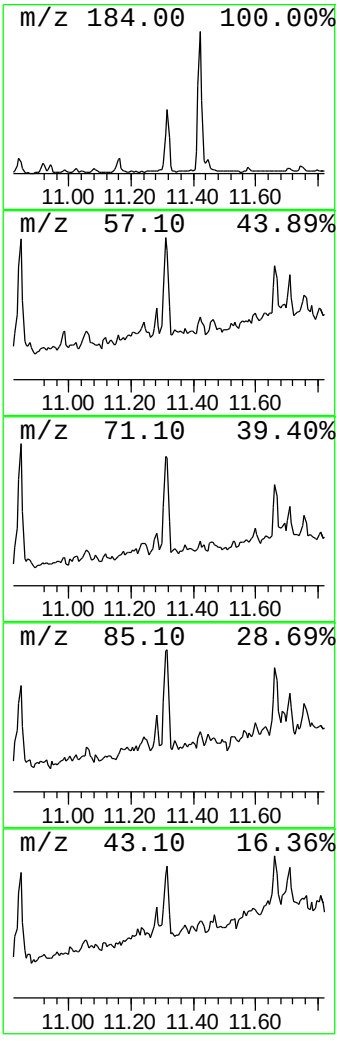
****

Peak Number 7 unknown11.32 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	4.65 ng	251749	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 4,11-dimethyl-	226	C16H34	055045-12-0	49
2	Hexacosane	366	C26H54	000630-01-3	46
3	Decane, 3-methyl-	156	C11H24	013151-34-3	45
4	Tetradecane	198	C14H30	000629-59-4	43
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	43





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Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

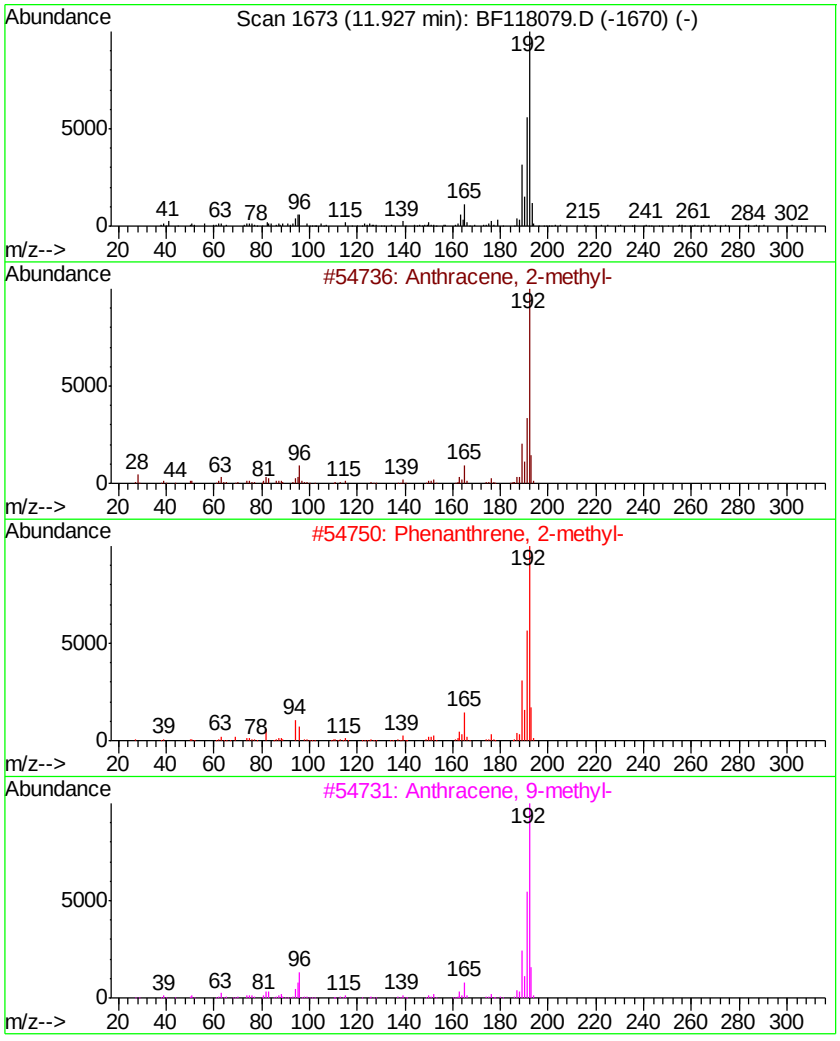
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

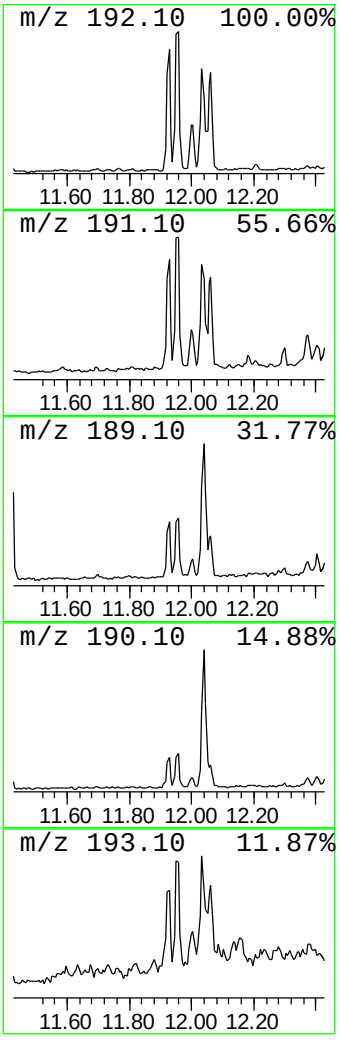
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.51 ng	190167	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Library Search Compound Report

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Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

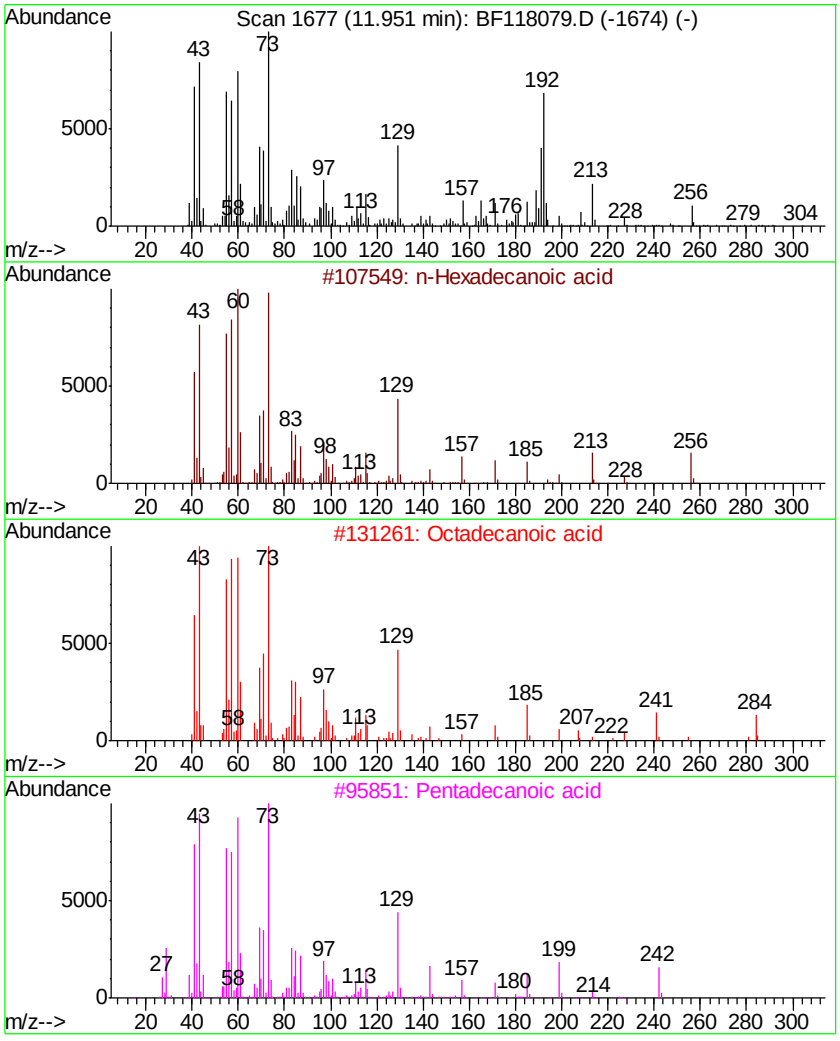
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

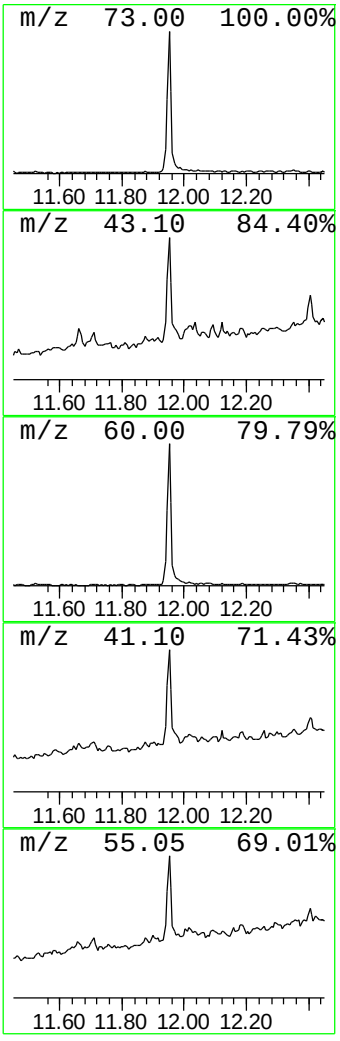
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	22.44 ng	1215960	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

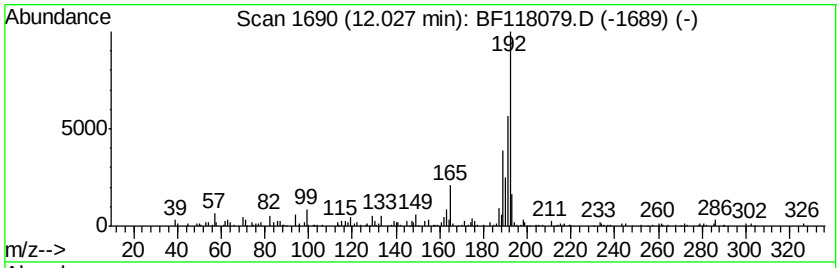
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

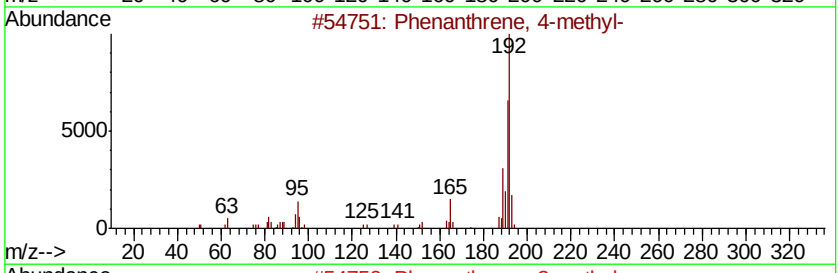
****

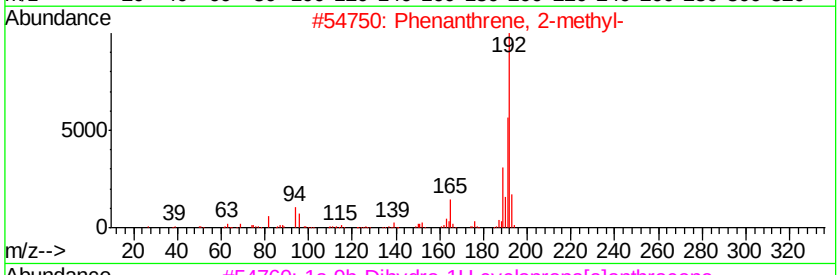
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 11

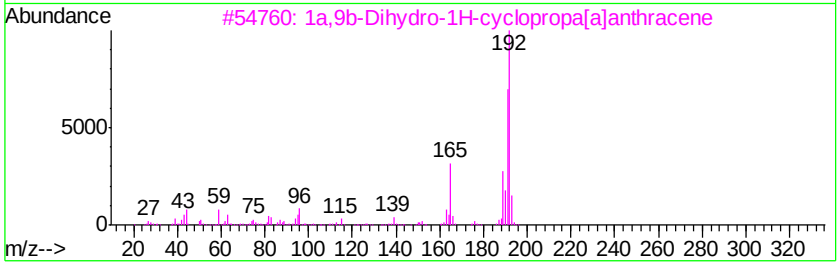
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.52 ng	244924	Phenanthrene-d10	11.42

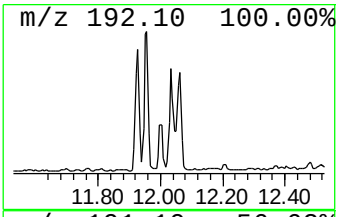
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	58

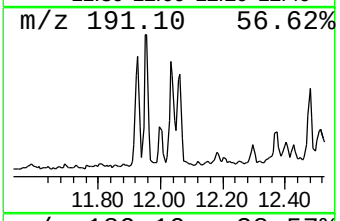


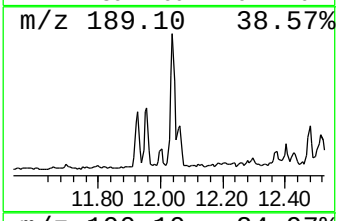


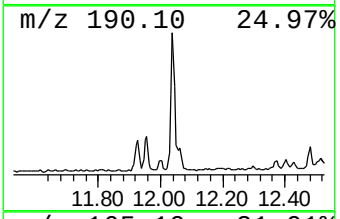


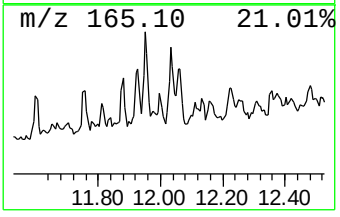












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

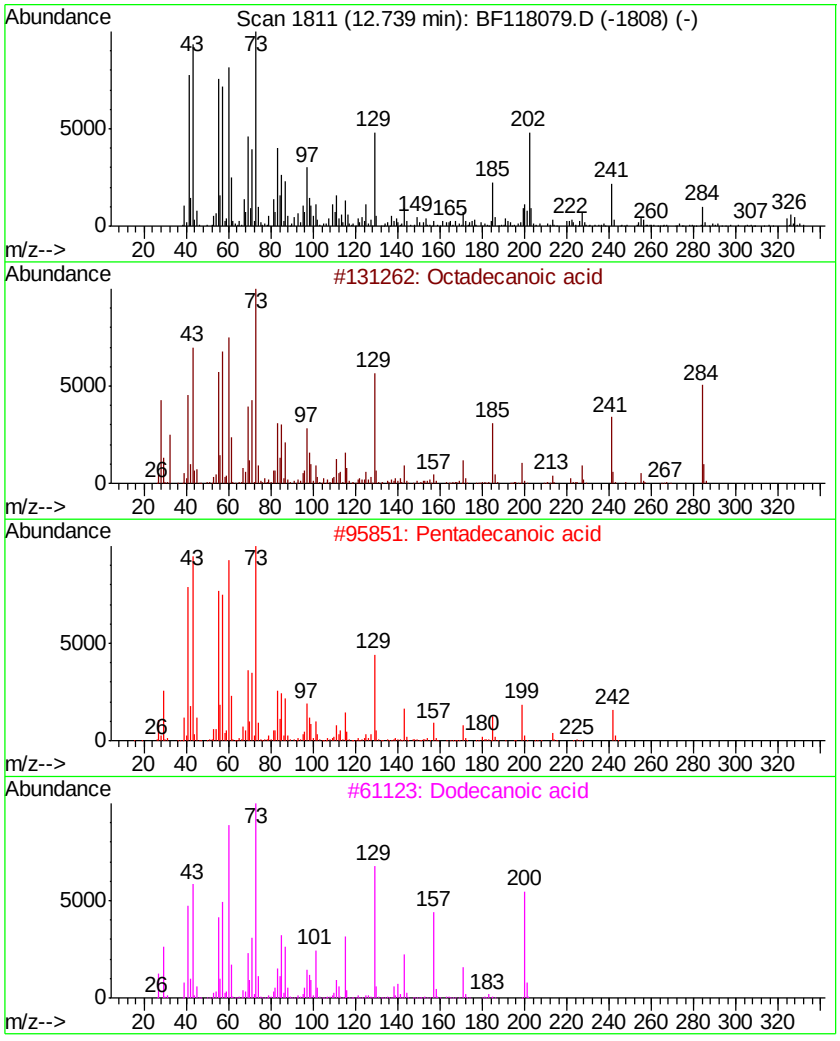
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

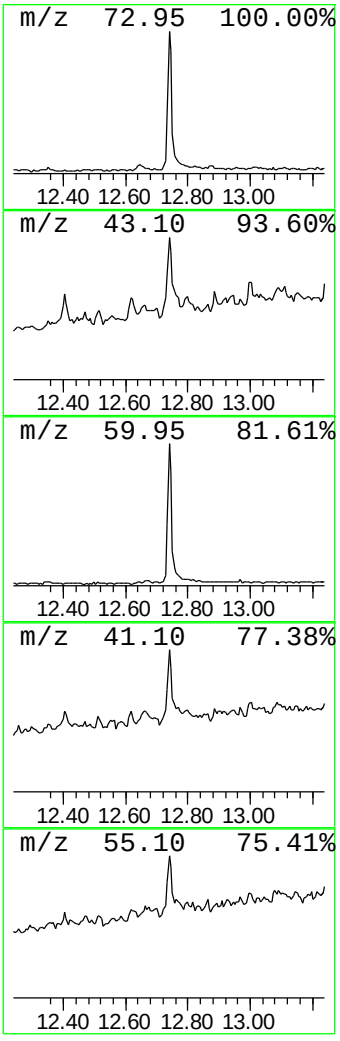
****

Peak Number 11 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	16.39 ng	888417	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Dodecanoic acid	200	C12H24O2	000143-07-7	55
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

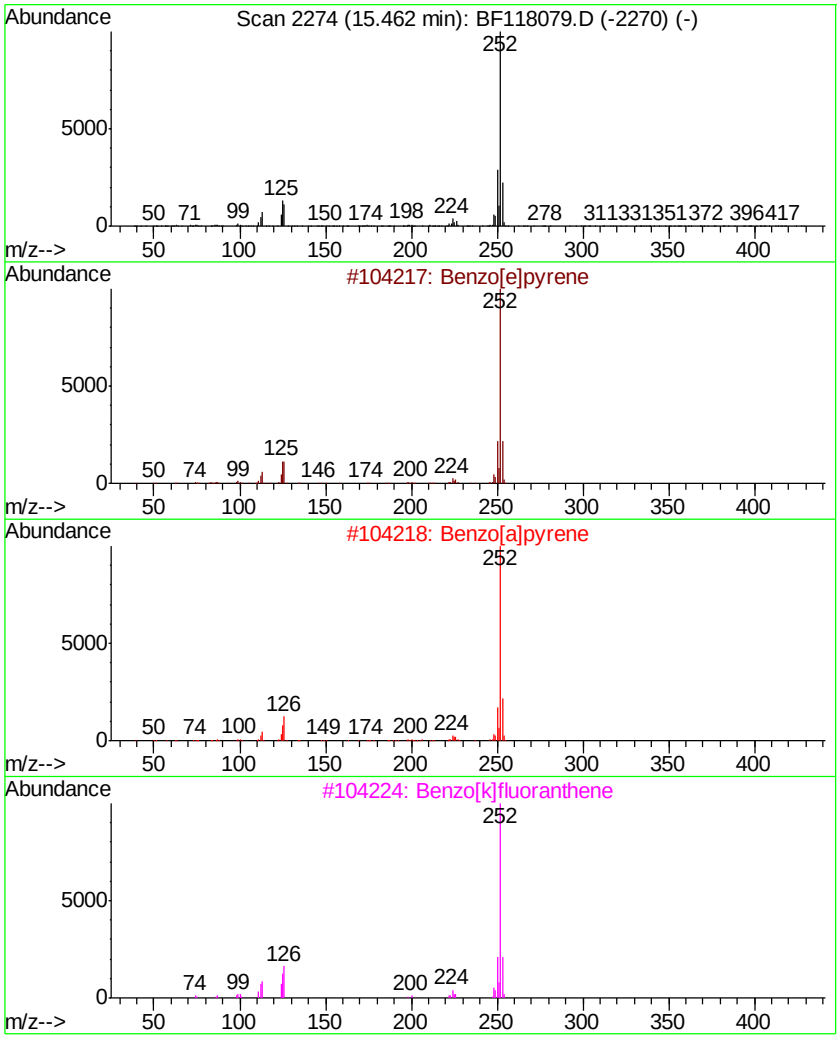
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

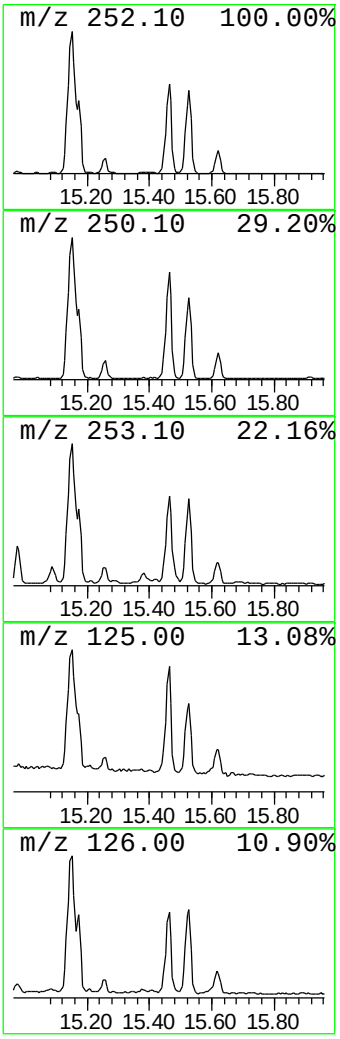
****

Peak Number 12 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	18.77 ng	1918560	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120319\
Data File : BF118079.D
Acq On : 3 Dec 2019 23:07
Operator : JU
Sample : K6024-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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	18.9	ng	736862	1	6.87	780946	20.0
2-Pentanone, 4-hy...	5.09	12.7	ng	495910	1	6.87	780946	20.0
unknown6.65	6.65	73.1	ng	2855620	1	6.87	780946	20.0
Pentadecane, 7-me...	10.85	4.9	ng	266319	4	11.42	1083930	20.0
unknown11.32	11.32	4.7	ng	251749	4	11.42	1083930	20.0
Anthracene, 2-met...	11.93	3.5	ng	190167	4	11.42	1083930	20.0
n-Hexadecanoic acid	11.95	22.4	ng	1215960	4	11.42	1083930	20.0
Phenanthrene, 4-m...	12.03	4.5	ng	244924	4	11.42	1083930	20.0
Octadecanoic acid	12.74	16.4	ng	888417	4	11.42	1083930	20.0
Benzo[e]pyrene	15.46	18.8	ng	1918560	6	15.59	2044300	20.0