LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

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_M\METHODS\8270-BM111218.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	5.211	371	378	390	rBV	1566832	2347548	12.75%	2.444%
2	6.775	631	644	661	rBV	1567327	2764865	15.01%	2.878%
3	7.122	696	703	711	rBV	1687437	2685501	14.58%	2.795%
4	7.581	770	781	792	rBV	1020735	1660042	9.01%	1.728%
5	7.899	828	835	846	rVB	1152183	1904930	10.34%	1.983%
6	8.740	970	978	984	rBV	847089	1532577	8.32%	1.595%
7	10.351	1240	1252	1257	rBV	1262249	2279021	12.37%	2.372%
8	12.839	1668	1675	1683	rBV	1947911	2859245	15.52%	2.976%
9	13.045	1705	1710	1716	rVB2	168493	253755	1.38%	0.264%
10	13.698	1815	1821	1826	rBV2	164529	322373	1.75%	0.336%
11	13.951	1857	1864	1876	rBV	198093	346857	1.88%	0.361%
12	14.133	1888	1895	1900	rBV	213085	282201	1.53%	0.294%
13	14.228	1903	1911	1918	rVV2	1569466	2578504	14.00%	2.684%
14	14.292	1918	1922	1929	rVB	130276	213208	1.16%	0.222%
15	14.633	1976	1980	1988	rVB	143599	219021	1.19%	0.228%
16	15.092	2054	2058	2064	rVB2	220312	277322	1.51%	0.289%
17	15.286	2085	2091	2096	rBV2	235916	373558	2.03%	0.389%
18	15.733	2159	2167	2175	rBV	1490068	2230389	12.11%	2.322%
19	15.963	2201	2206	2214	rBV2	253030	448771	2.44%	0.467%
20	16.751	2337	2340	2345	rVV	191239	217860	1.18%	0.227%
21	16.804	2345	2349	2358	rVB	184467	327796	1.78%	0.341%
22	16.986	2375	2380	2384	rBV2	1642400	2422721	13.15%	2.522%
23	17.027	2384	2387	2393	rVB	1543588	2114546	11.48%	2.201%
24	17.122	2398	2403	2408	rVB	575529	801228	4.35%	0.834%
25	17.404	2446	2451	2458	rBV	139306	219991	1.19%	0.229%
26	17.492	2462	2466	2472	rBV2	157833	238620	1.30%	0.248%
27	17.669	2491	2496	2501	rBV	3323618	4034193	21.90%	4.199%
28	17.863	2525	2529	2532	rBV	280900	406286	2.21%	0.423%
29	17.910	2532	2537	2545	rVB2	525693	1108184	6.02%	1.154%
30	17.992	2547	2551	2556	rVV	172977	268918	1.46%	0.280%
31	18.057	2557	2562	2566	rVV2	479698	869549	4.72%	0.905%
32	18.098	2566	2569	2575	rVB	215367	304289	1.65%	0.317%
33	18.186	2580	2584	2587	rBV2	183009	245178	1.33%	0.255%
34	18.827	2682	2693	2695	rBV	14194315	18417936	100.00%	19.171%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

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_M\METHODS\8270-BM111218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.857	2695	2698	2707	rVB2	8528115	11310037	61.41%	11.773%
36	18.933	2708	2711	2716	rBV2	185178	296754	1.61%	0.309%
37	18.986	2716	2720	2725	rVB	1443816	1668308	9.06%	1.737%
38	19.057	2725	2732	2741	rBV	3070133	5122452	27.81%	5.332%
39	19.421	2786	2794	2803	rVB	2437402	4060128	22.04%	4.226%
40	19.504	2805	2808	2813	rVB3	170410	253550	1.38%	0.264%
41	19.633	2825	2830	2834	rBV	2081972	2510604	13.63%	2.613%
42	19.921	2877	2879	2882	rVB	350672	360092	1.96%	0.375%
43	20.021	2894	2896	2900	rVB	248647	263804	1.43%	0.275%
44	20.086	2903	2907	2912	rVV3	315466	522383	2.84%	0.544%
45	20.915	3045	3048	3053	rBV2	451731	567379	3.08%	0.591%
46	21.192	3089	3095	3099	rBV2	2454249	4704690	25.54%	4.897%
47	21.233	3099	3102	3111	rVB	1330879	1734766	9.42%	1.806%
48	21.351	3119	3122	3127	rBV3	393446	496417	2.70%	0.517%
49	22.733	3352	3357	3362	rBV2	1160410	2467280	13.40%	2.568%
50	23.380	3463	3467	3473	rBV	1293209	2154343	11.70%	2.242%

Sum of corrected areas: 96069970

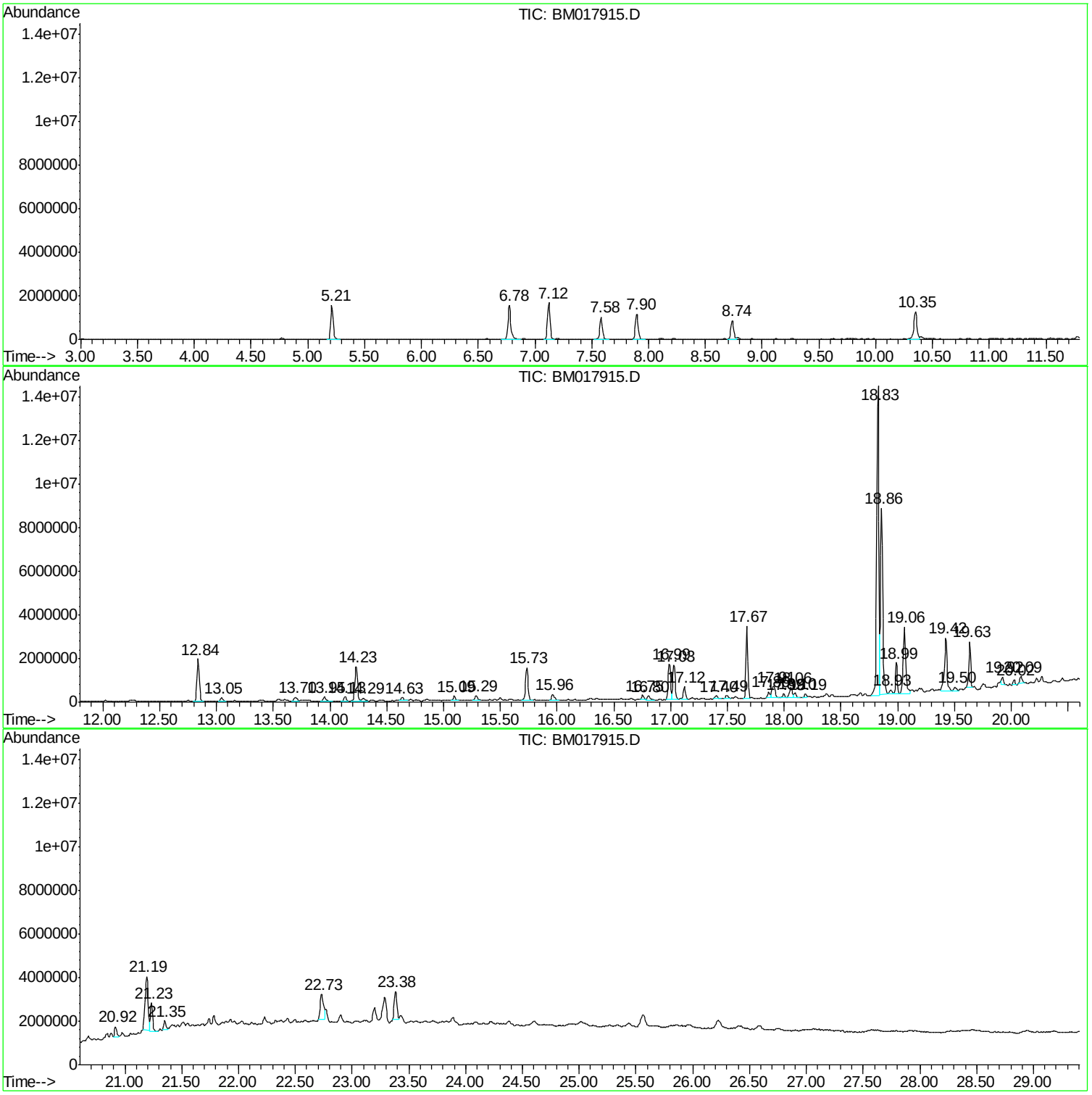
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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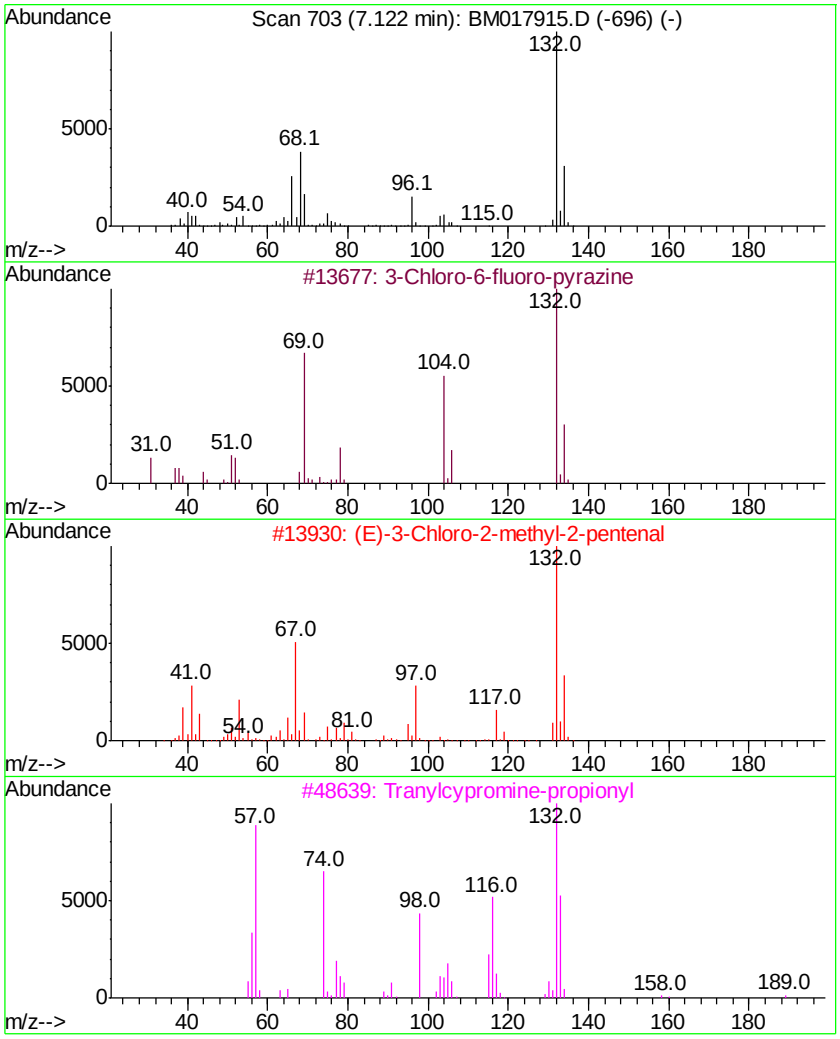
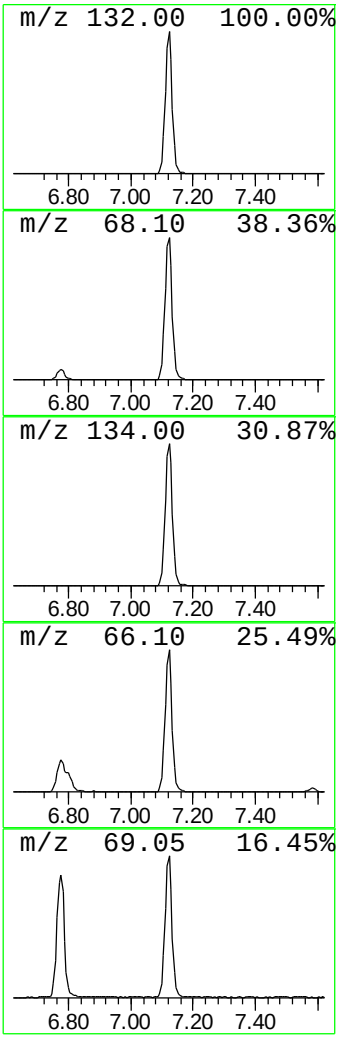
Peak Number 1 unknown7.12 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	32.35 ng	2685500	1,4-Dichlorobenzene-d4	7.58

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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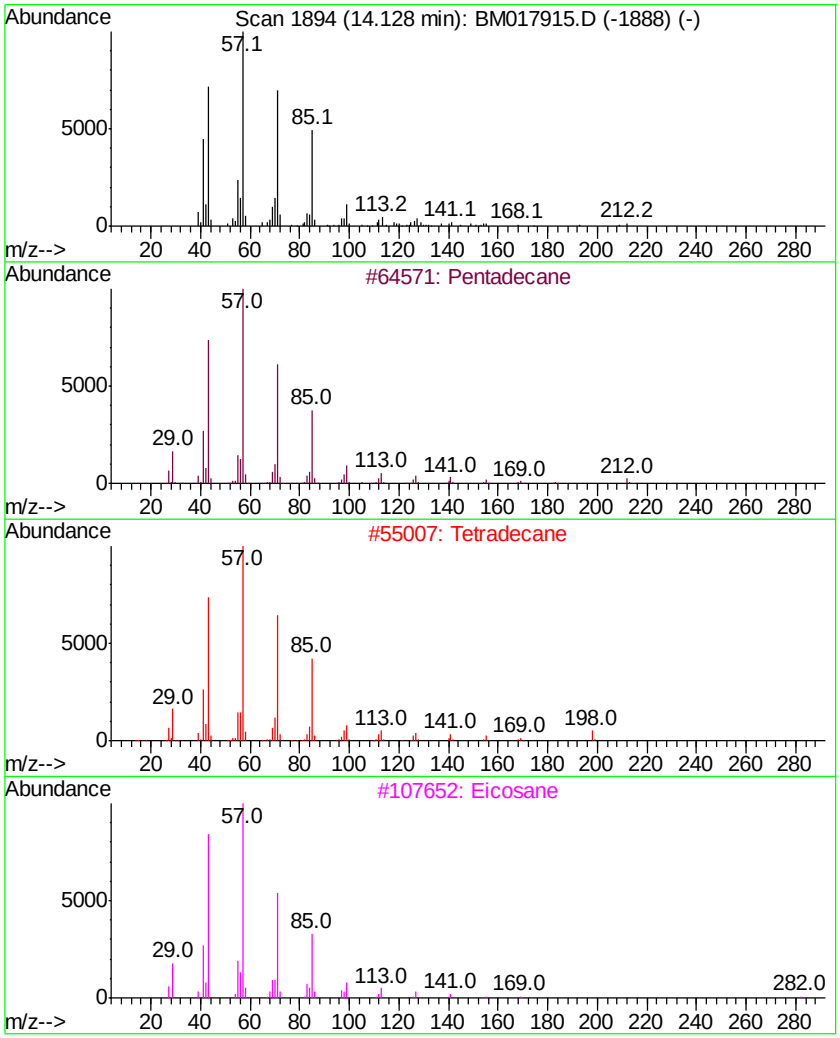
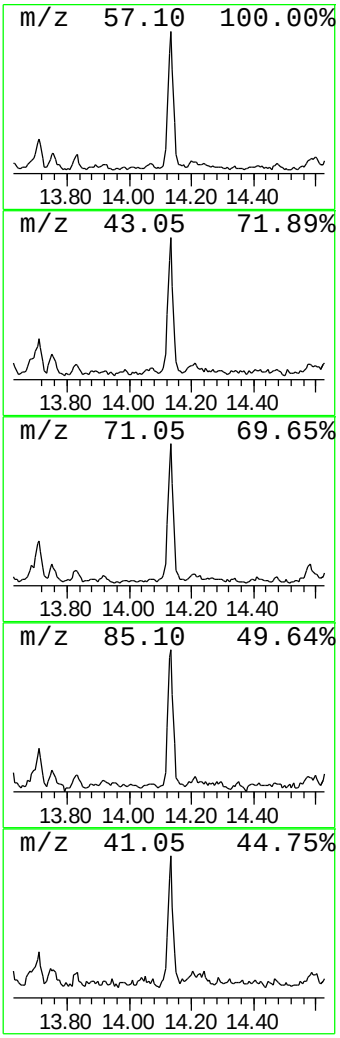
Peak Number 4 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.19 ng	282201	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Tetradecane	198	C14H30	000629-59-4	91
3	Eicosane	282	C20H42	000112-95-8	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Octacosane	394	C28H58	000630-02-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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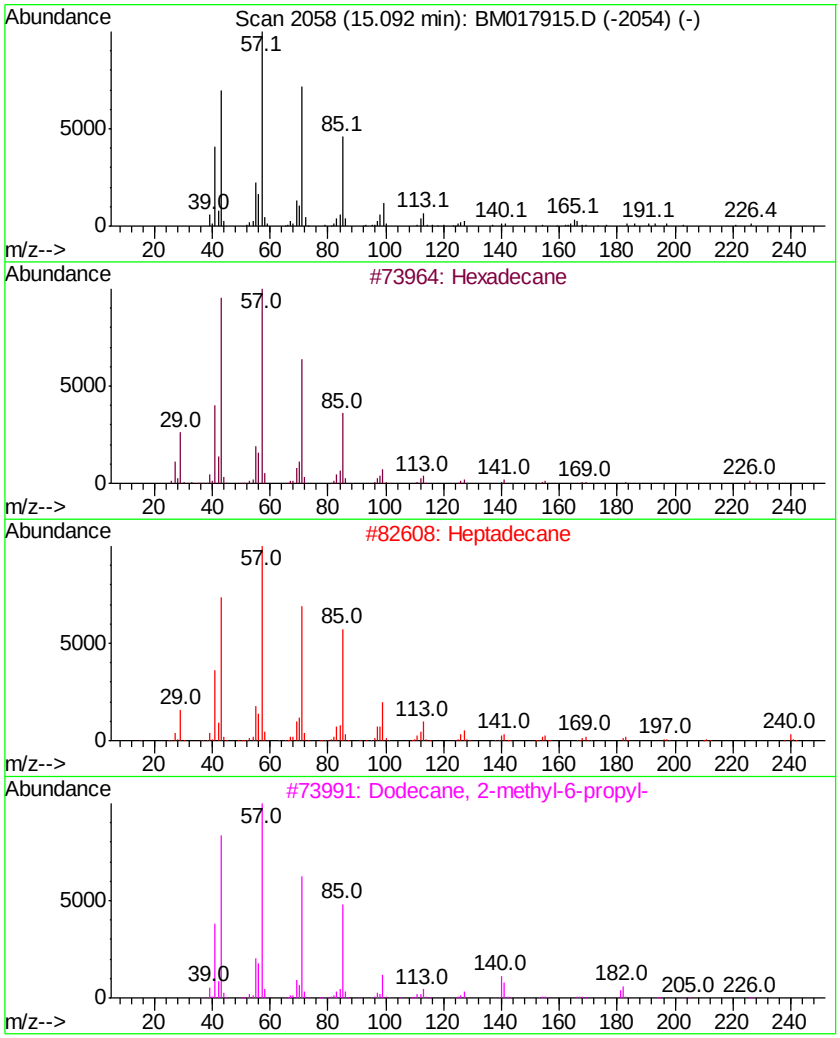
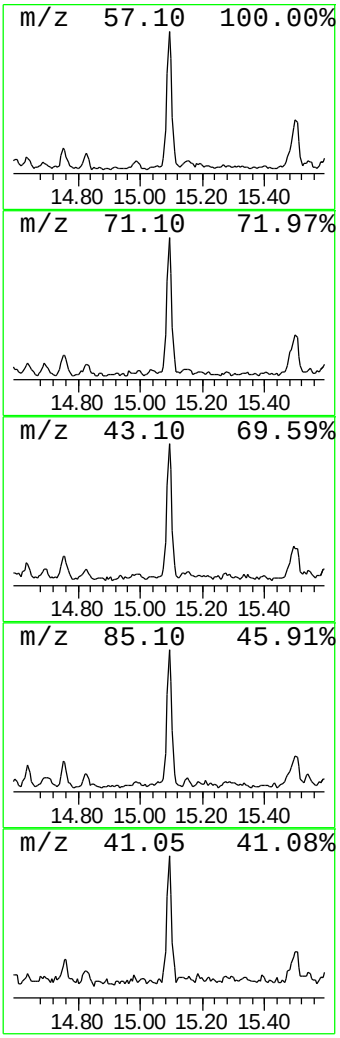
Peak Number 5 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.15 ng	277322	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Octadecane	254	C18H38	000593-45-3	86
5	Tetradecane	198	C14H30	000629-59-4	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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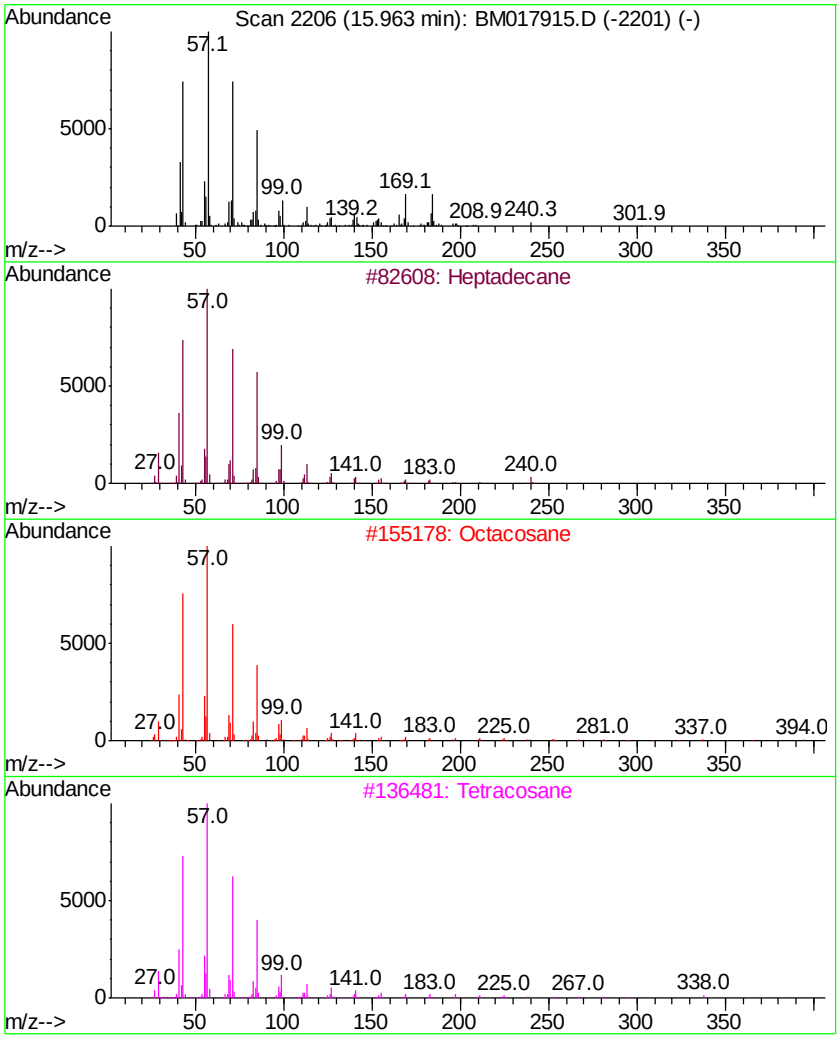
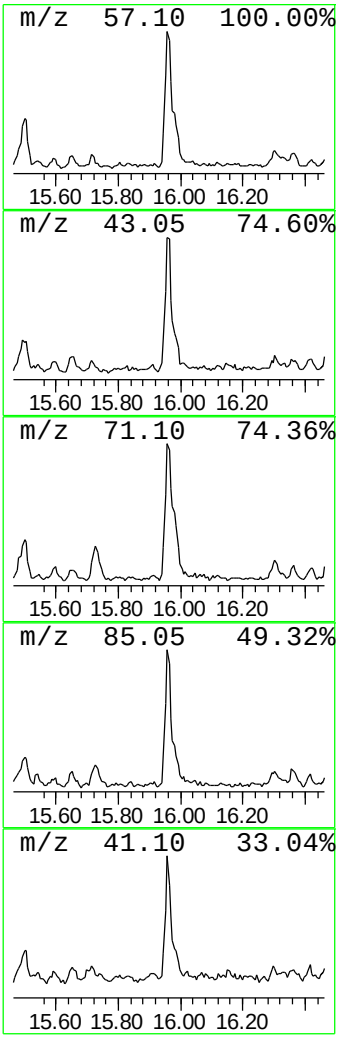
Peak Number 6 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	3.70 ng	448771	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Octacosane	394	C28H58	000630-02-4	87
3	Tetracosane	338	C24H50	000646-31-1	83
4	Tritetracontane	605	C43H88	007098-21-7	83
5	Dodecane	170	C12H26	000112-40-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

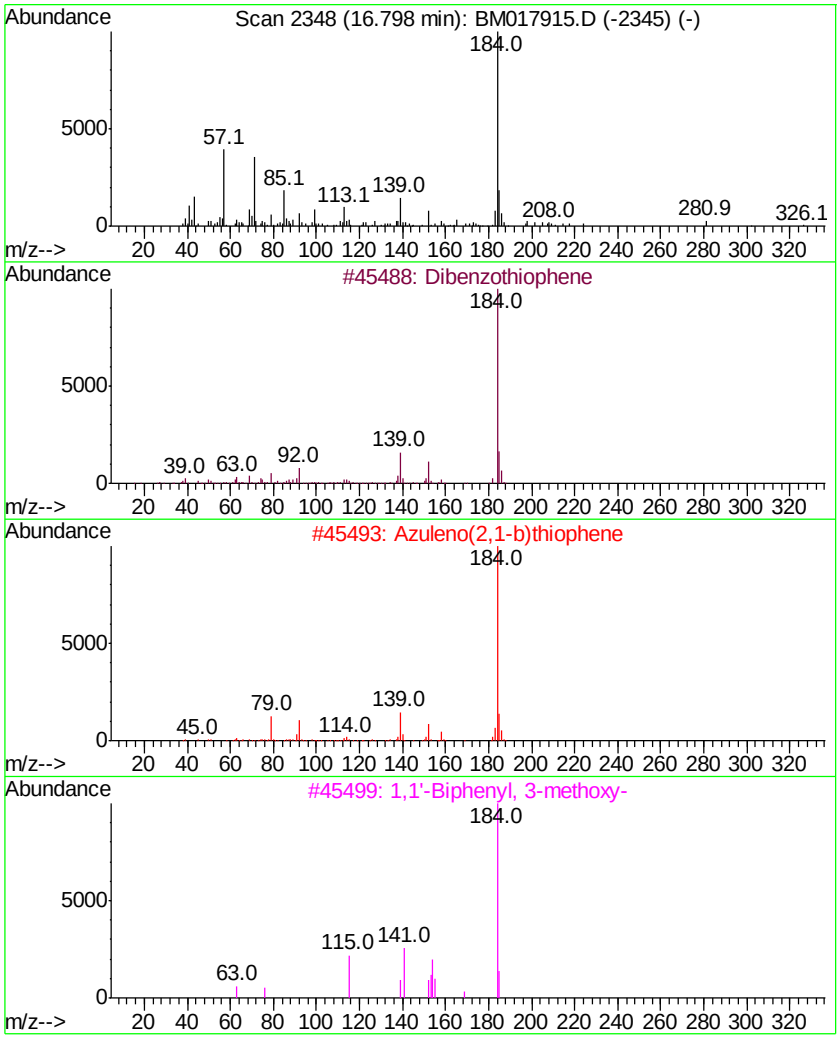
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

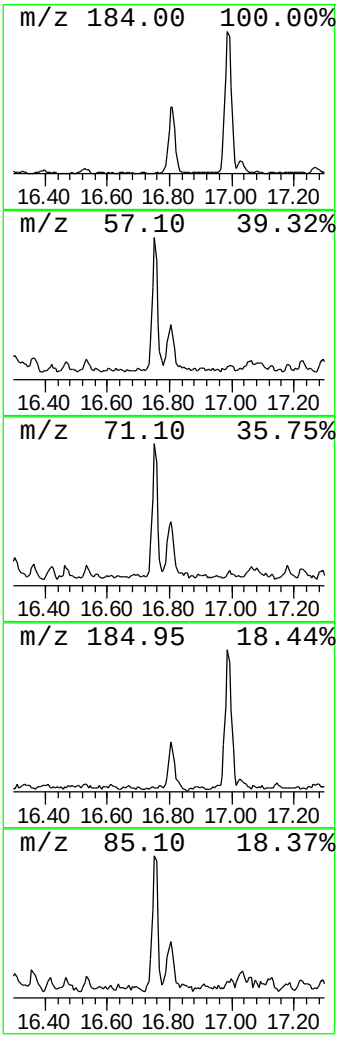
****

Peak Number 7 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.71 ng	327796	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	86
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
3	1,1'-Biphenyl, 3-methoxy-	184	C13H12O	002113-56-6	50
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	50
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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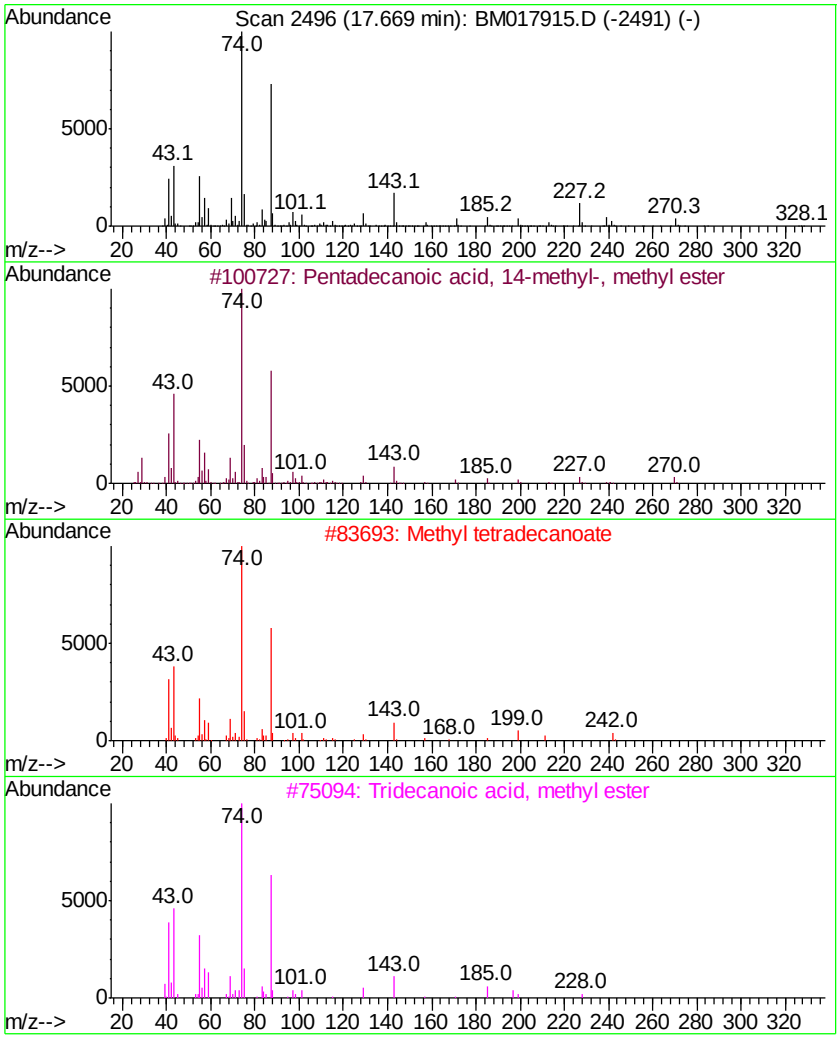
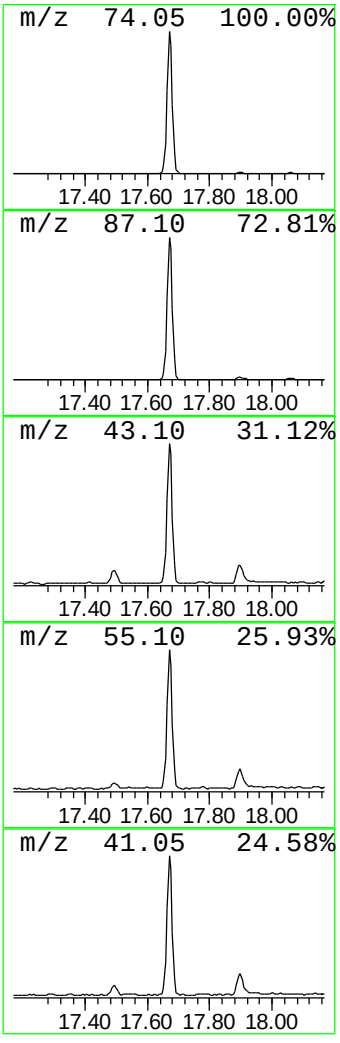
Peak Number 8 Pentadecanoic acid, 14-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	33.30 ng	4034190	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4	9-Octadecenoic acid, 12-(acetylo...	354	C21H38O4	000140-03-4	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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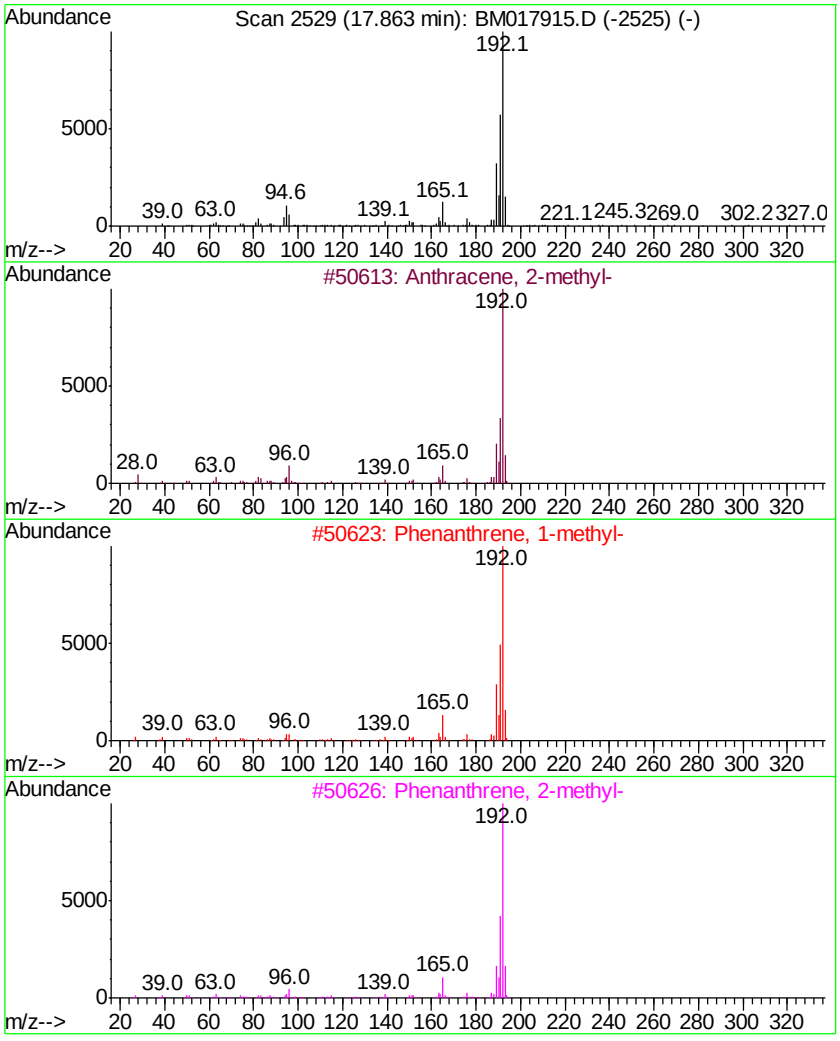
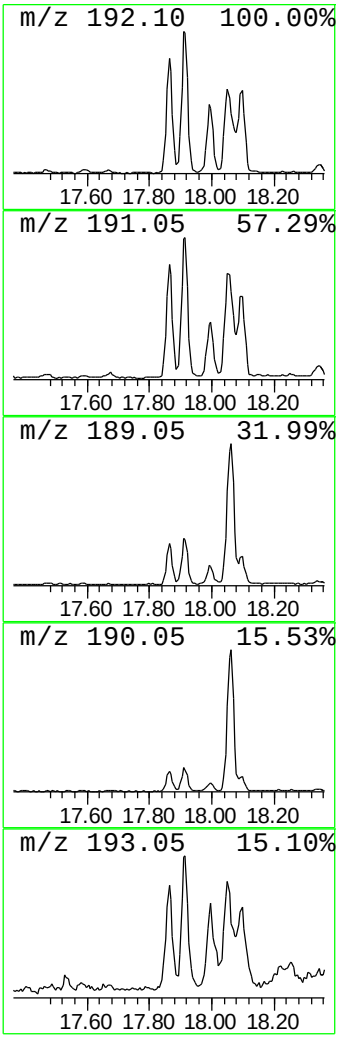
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.35 ng	406286	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

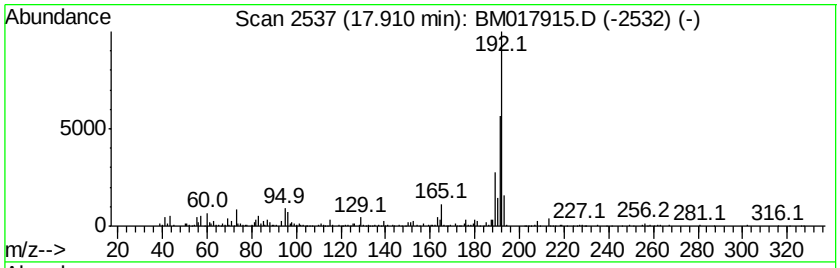
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

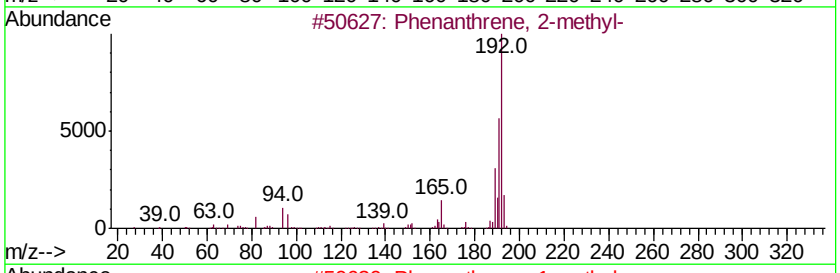
****

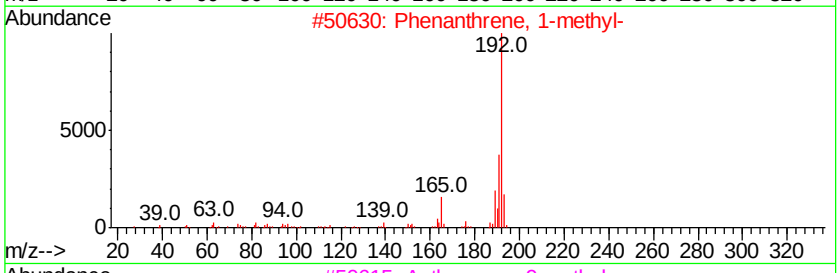
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

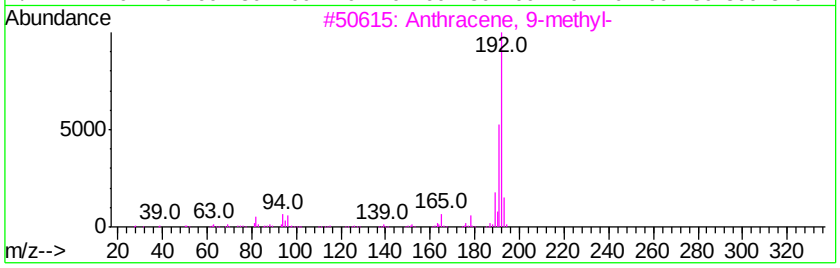
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	9.15 ng	1108180	Phenanthrene-d10	16.99

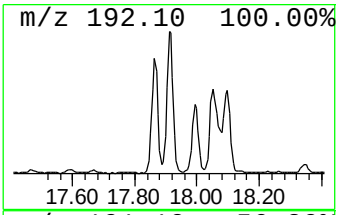
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93

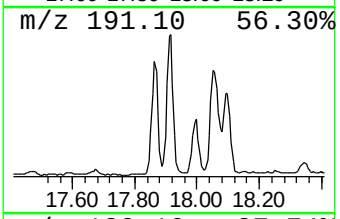


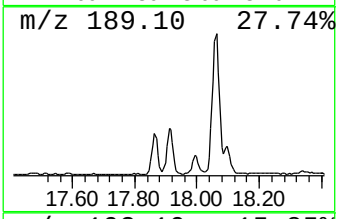


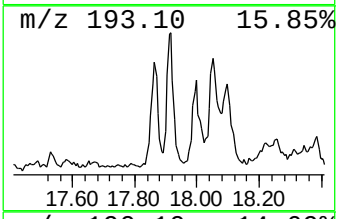


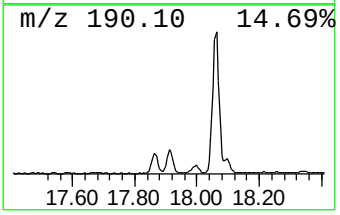












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Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

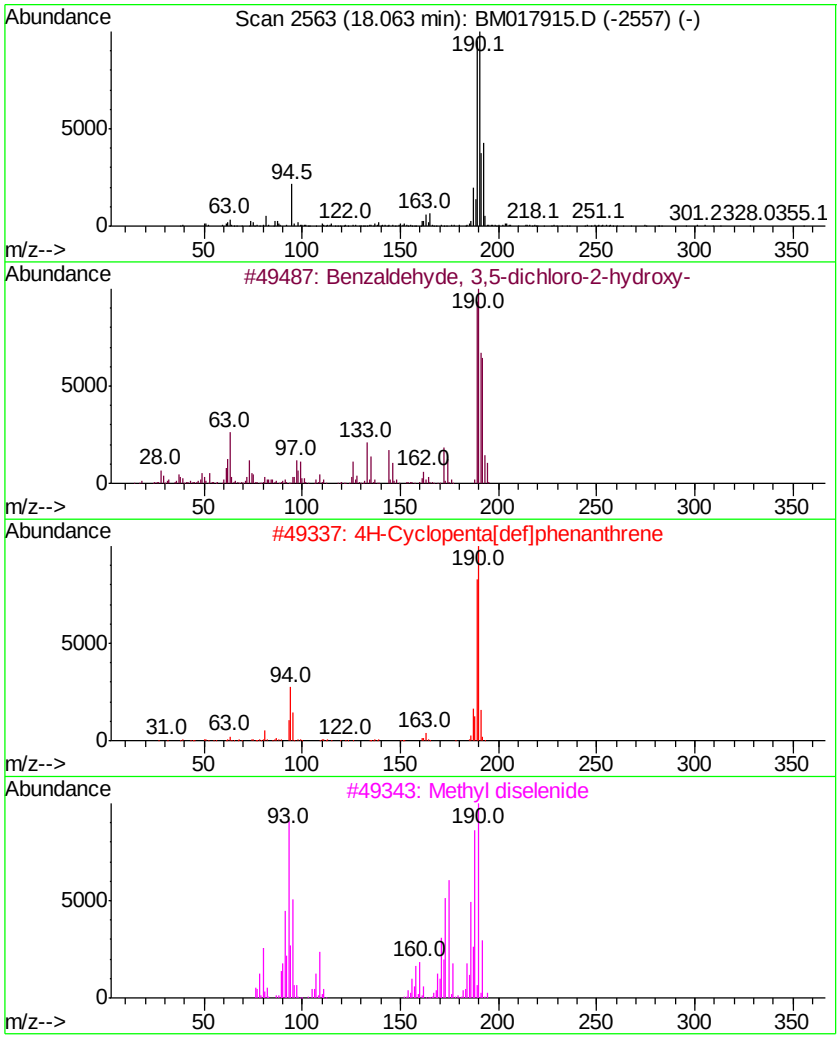
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

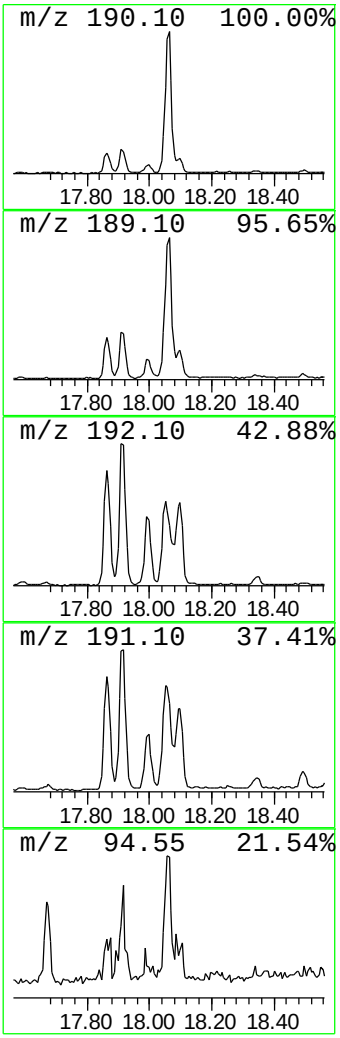
****

Peak Number 12 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.18 ng	869549	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25





Library Search Compound Report

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Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

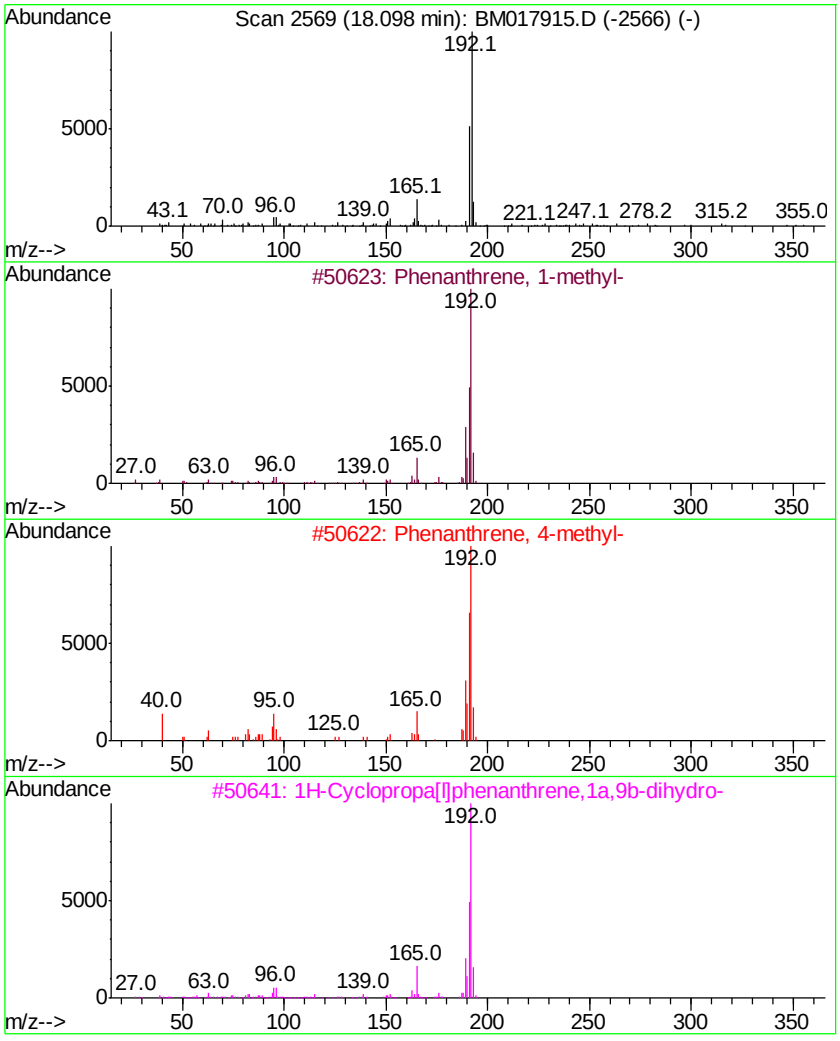
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

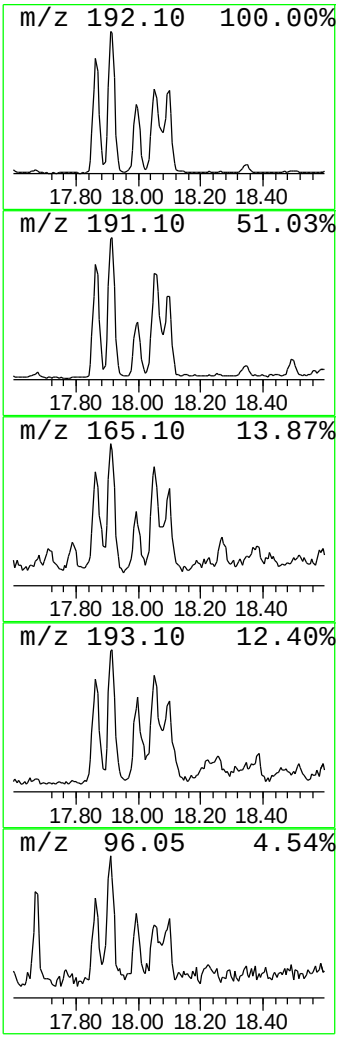
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.51 ng	304289	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Library Search Compound Report

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Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

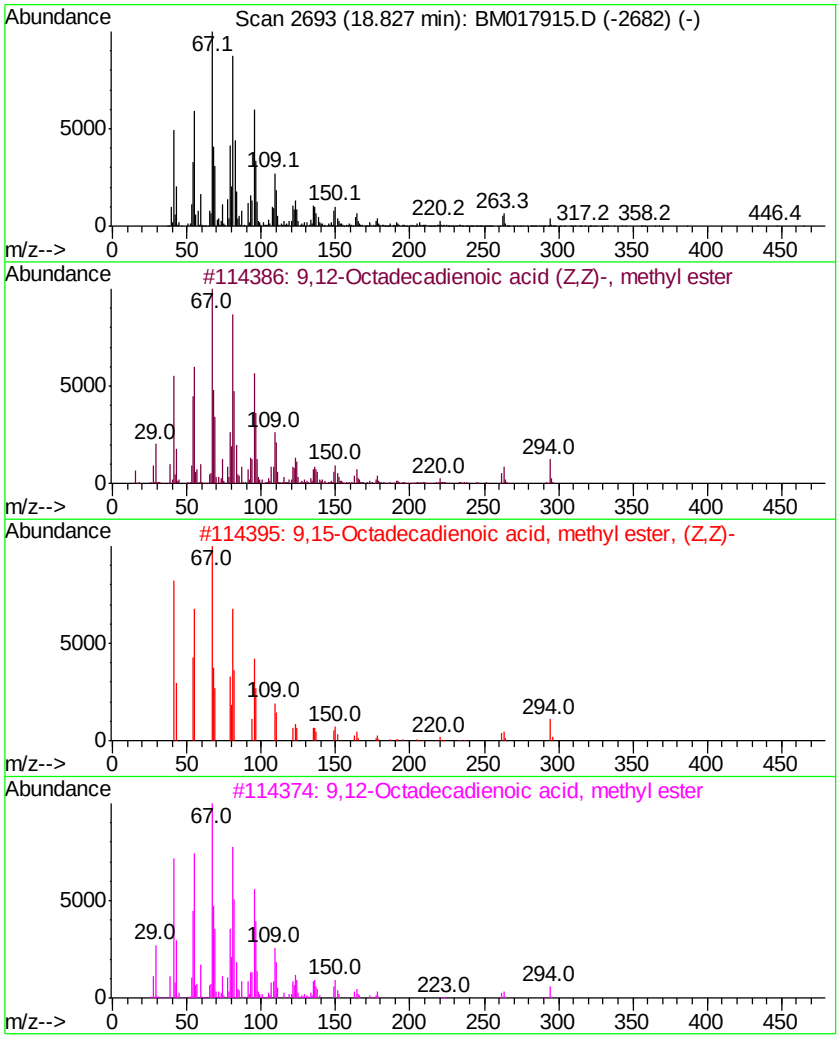
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

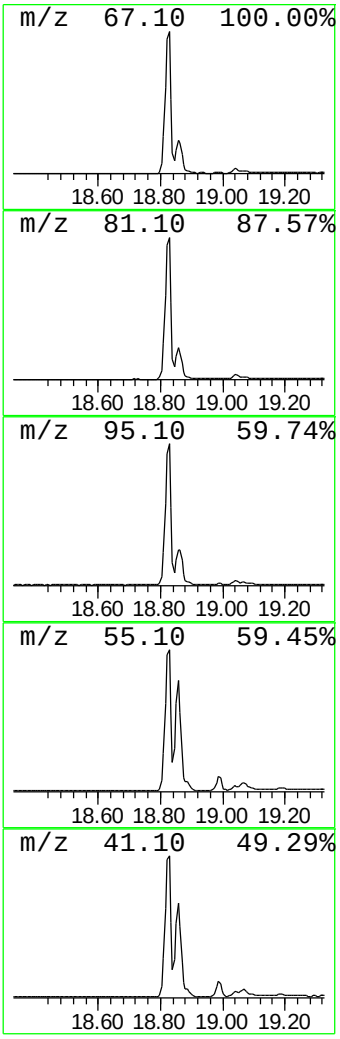
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid (... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	152.04 ng	18417900	Phenanthrene-d10	16.99

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	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

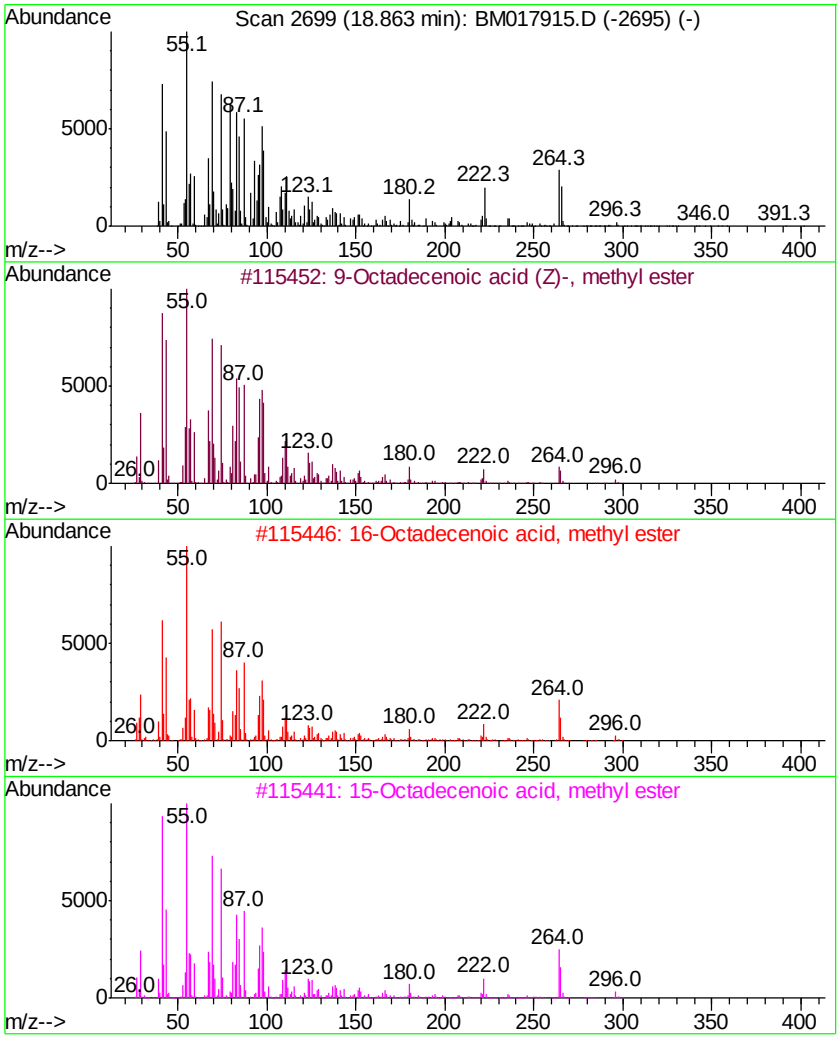
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

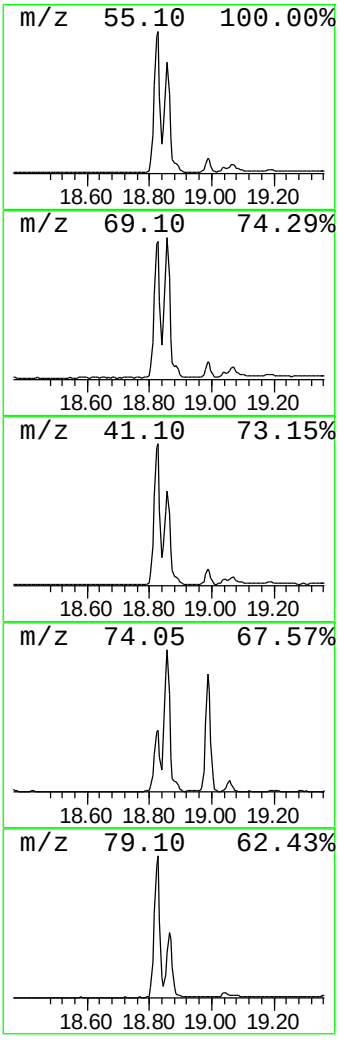
****

Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	93.37 ng	11310000	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

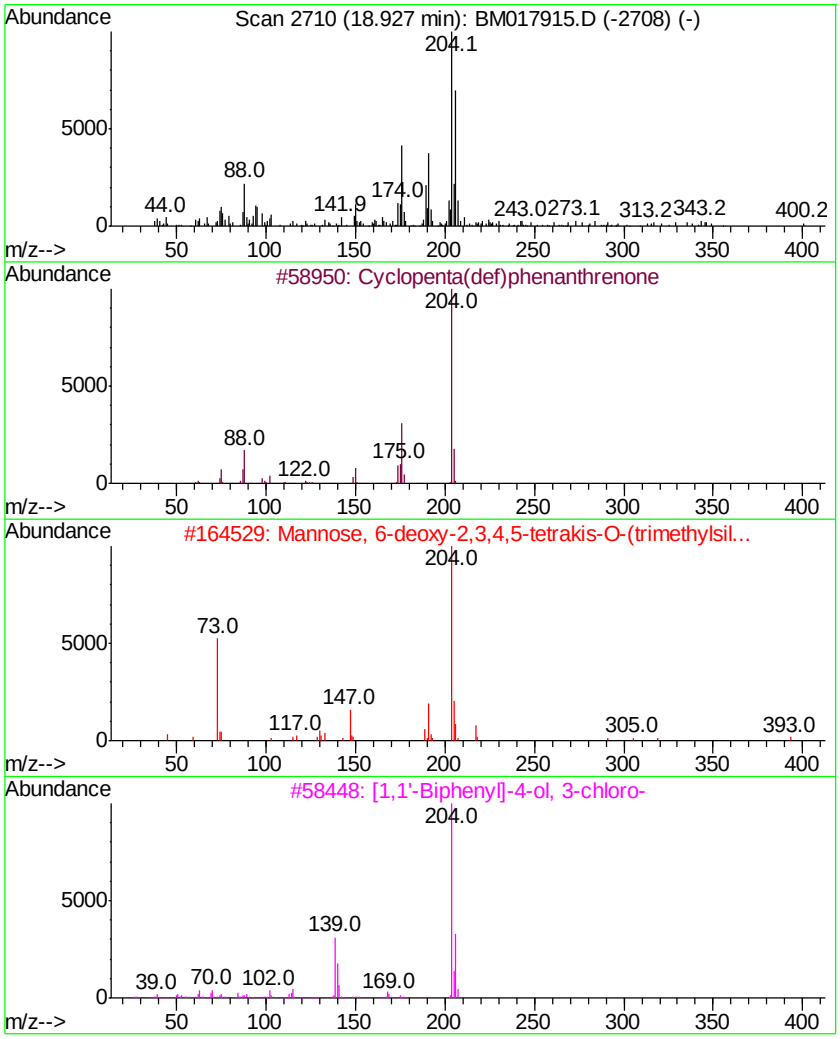
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

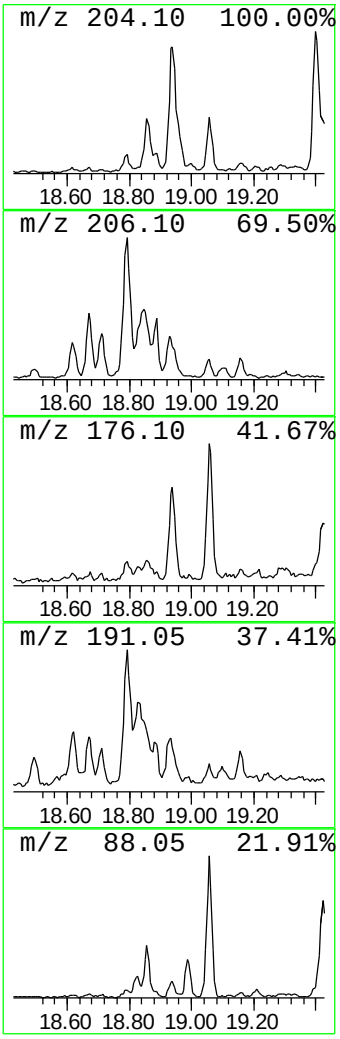
****

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.45 ng	296754	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	49
4	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

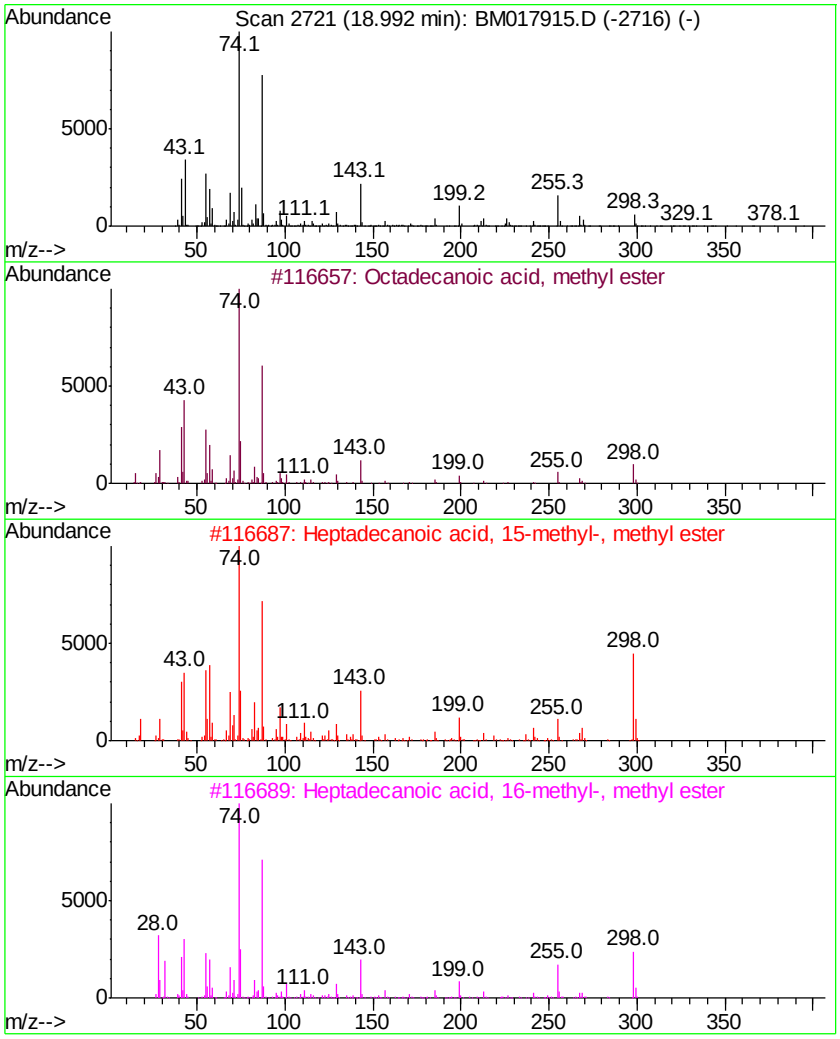
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

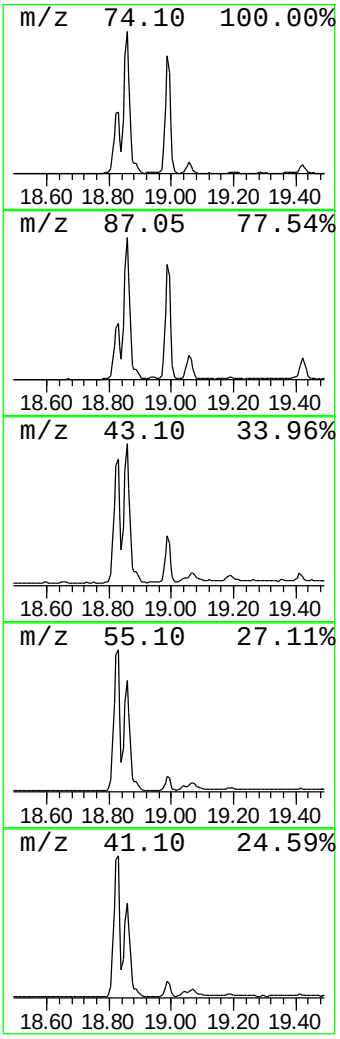
****

Peak Number 17 Octadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	13.77 ng	1668310	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, methyl ester	298	C19H38O2	000112-61-8	97
2	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	93
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	83
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

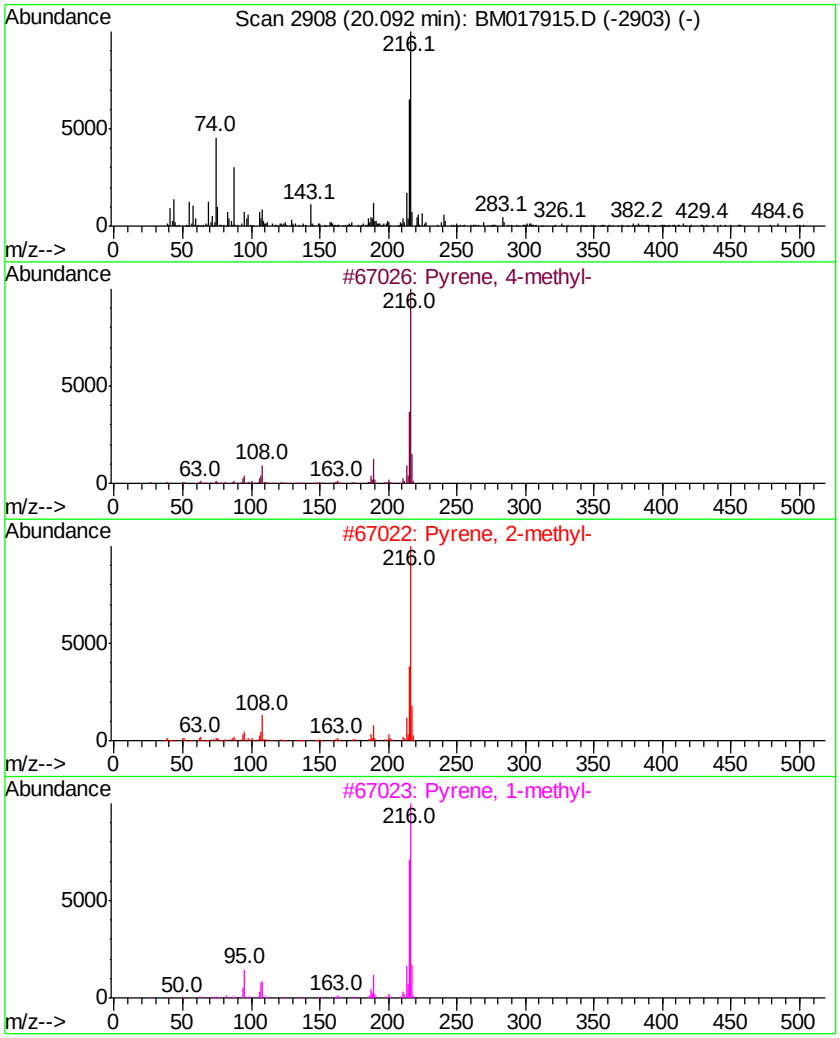
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

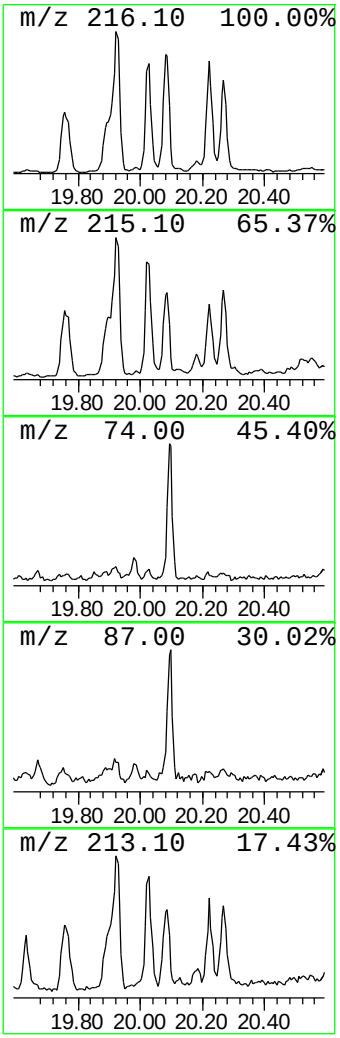
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.22 ng	522383	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80





Library Search Compound Report

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Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

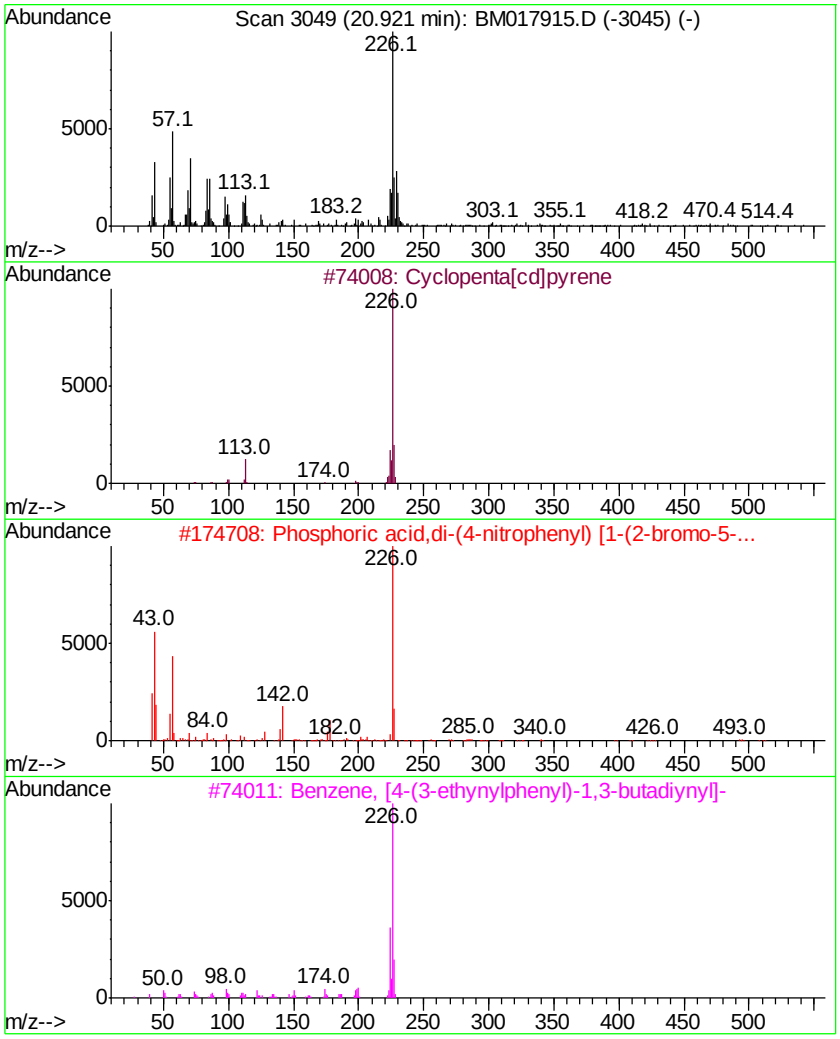
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

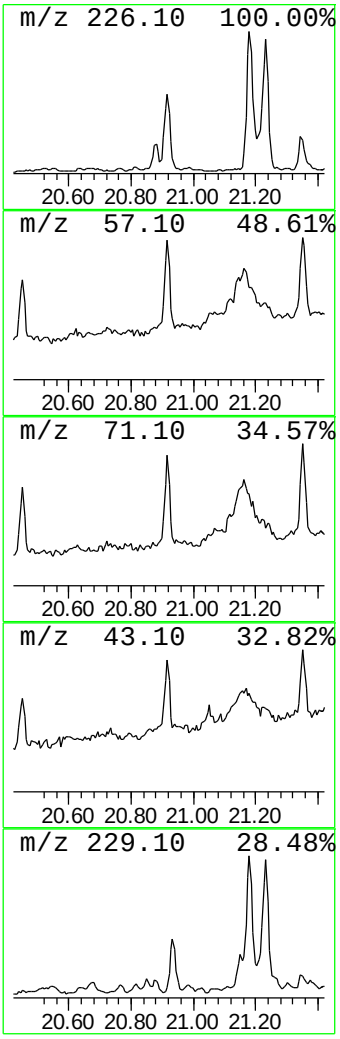
****

Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.41 ng	567379	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Phosphoric acid,di-(4-nitrophenyl...	833	C42H49BrN3O8P	049840-37-1	38
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
4	Benzenesulfonic acid, 3,4-dichloro-	226	C6H4Cl2O3S	000939-95-7	35
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	32





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Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

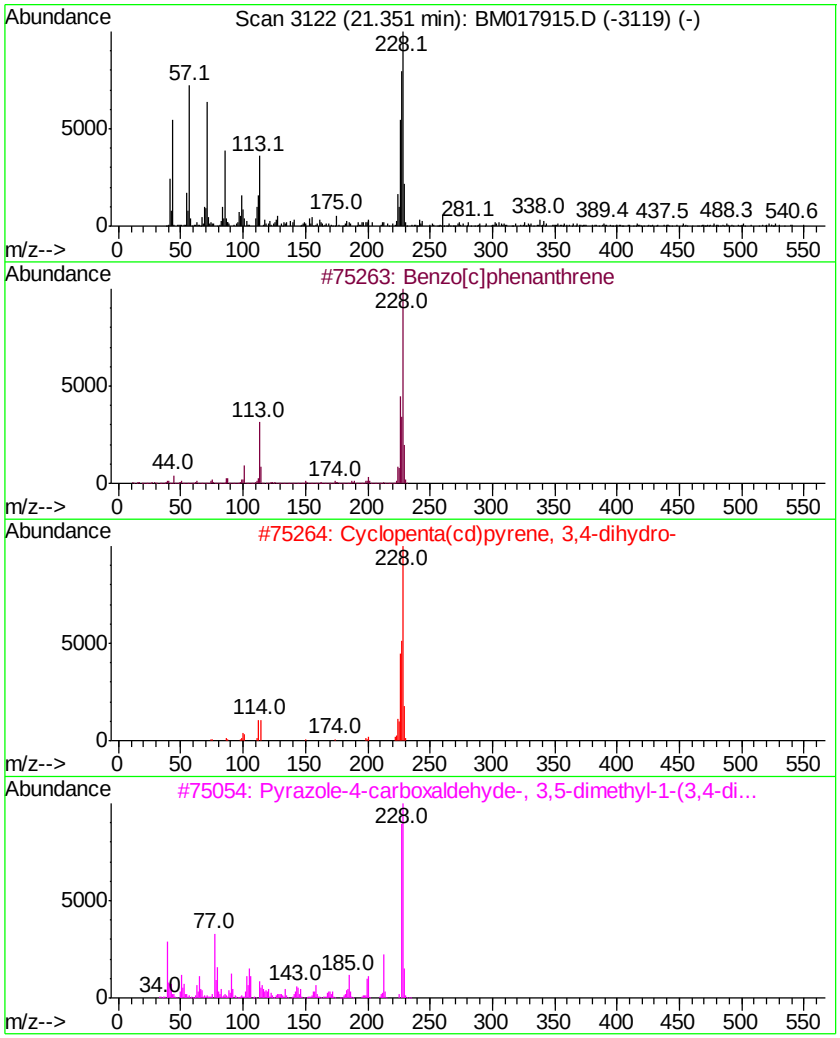
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

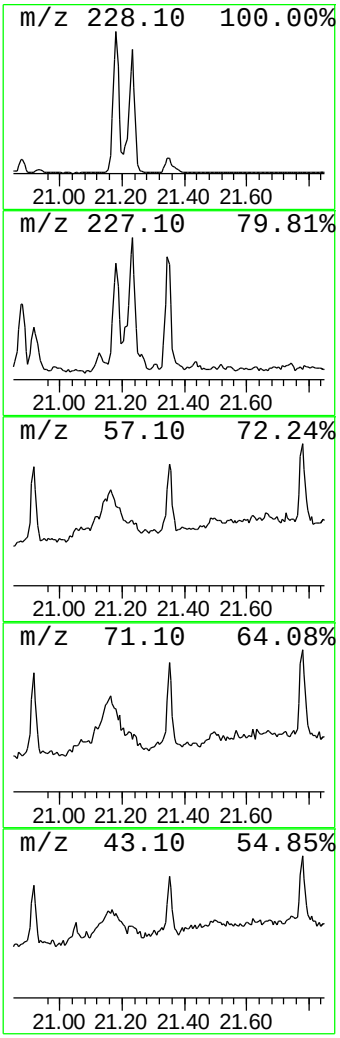
****

Peak Number 20 unknown21.35 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	2.11 ng	496417	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	43
4	Chrysene	228	C18H12	000218-01-9	38
5	Benz[a]anthracene	228	C18H12	000056-55-3	30





Tentatively Identified Compound (LSC) summary

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Data File : BM017915.D
Acq On : 04 Dec 2018 22:47
Operator : JU/SJ
Sample : J5771-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EO-02-112918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.12	7.12	32.4	ng	2685500	1	7.58	1660040	20.0
Pentadecane	14.13	2.2	ng	282201	3	14.23	2578500	20.0
Hexadecane	15.09	2.1	ng	277322	3	14.23	2578500	20.0
Heptadecane	15.96	3.7	ng	448771	4	16.99	2422720	20.0
Dibenzothiophene	16.80	2.7	ng	327796	4	16.99	2422720	20.0
Pentadecanoic aci...	17.67	33.3	ng	4034190	4	16.99	2422720	20.0
Anthracene, 2-met...	17.86	3.4	ng	406286	4	16.99	2422720	20.0
Phenanthrene, 2-m...	17.91	9.2	ng	1108180	4	16.99	2422720	20.0
Benzaldehyde, 3,5...	18.06	7.2	ng	869549	4	16.99	2422720	20.0
Phenanthrene, 1-m...	18.10	2.5	ng	304289	4	16.99	2422720	20.0
9,12-Octadecadien...	18.83	152.0	ng	18417900	4	16.99	2422720	20.0
9-Octadecenoic ac...	18.86	93.4	ng	11310000	4	16.99	2422720	20.0
Cyclopenta(def)ph...	18.93	2.5	ng	296754	4	16.99	2422720	20.0
Octadecanoic acid...	18.99	13.8	ng	1668310	4	16.99	2422720	20.0
Pyrene, 4-methyl-	20.09	2.2	ng	522383	5	21.20	4704690	20.0
Cyclopenta[cd]pyrene	20.92	2.4	ng	567379	5	21.20	4704690	20.0
unknown21.35	21.35	2.1	ng	496417	5	21.20	4704690	20.0