LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

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-BM021119.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	5.287	367	374	390	rBV	7208029	10288546	44.77%	5.865%
2	6.875	634	644	662	rBV	7225652	12301367	53.53%	7.013%
3	7.228	696	704	719	rBV	7594372	11860215	51.61%	6.761%
4	7.693	773	783	790	rBV	1214376	1939043	8.44%	1.105%
5	8.004	828	836	852	rBV	4932120	8036691	34.97%	4.582%
6	8.863	973	982	997	rBV	4222475	7102657	30.91%	4.049%
7	10.475	1248	1256	1262	rBV	1615367	2807707	12.22%	1.601%
8	12.957	1670	1678	1692	rBV	11339205	16230652	70.63%	9.253%
9	13.804	1816	1822	1834	rBV	510610	733288	3.19%	0.418%
10	14.345	1903	1914	1920	rBV2	2520081	3913388	17.03%	2.231%
11	14.404	1920	1924	1932	rVB	365384	527231	2.29%	0.301%
12	14.745	1975	1982	1990	rBV	210947	335323	1.46%	0.191%
13	15.392	2087	2092	2103	rVB	373070	562447	2.45%	0.321%
14	15.845	2158	2169	2179	rBV	9800388	13829805	60.18%	7.884%
15	16.916	2346	2351	2358	rVB	188413	290477	1.26%	0.166%
16	17.098	2375	2382	2385	rBV	3262985	4608161	20.05%	2.627%
17	17.139	2385	2389	2396	rVV	3172372	4374829	19.04%	2.494%
18	17.227	2396	2404	2413	rVV	986770	1446388	6.29%	0.825%
19	17.510	2443	2452	2459	rBV	261552	438151	1.91%	0.250%
20	17.986	2525	2533	2536	rBV2	1289564	1902539	8.28%	1.085%
21	18.015	2536	2538	2543	rVB	364173	483573	2.10%	0.276%
22	18.098	2548	2552	2558	rVB	165996	246756	1.07%	0.141%
23	18.168	2558	2564	2568	rBV2	537580	901153	3.92%	0.514%
24	18.474	2611	2616	2621	rVB	235458	301401	1.31%	0.172%
25	19.039	2706	2712	2720	rBV2	128975	244979	1.07%	0.140%
26	19.162	2726	2733	2739	rBV	5751069	7524621	32.74%	4.290%
27	19.268	2746	2751	2761	rBV2	335996	553579	2.41%	0.316%
28	19.404	2770	2774	2784	rVB2	171739	336861	1.47%	0.192%
29	19.492	2784	2789	2791	rBV2	844803	1224584	5.33%	0.698%
30	19.527	2791	2795	2803	rVV	4443895	5985352	26.04%	3.412%
31	19.592	2803	2806	2813	rVB	163838	253105	1.10%	0.144%
32	19.733	2820	2830	2835	rBV	19131535	22980945	100.00%	13.101%
33	19.845	2844	2849	2850	rBV	204969	287673	1.25%	0.164%
34	20.021	2867	2879	2884	rBV	642588	1218672	5.30%	0.695%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

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-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.121	2892	2896	2900	rBV	551603	690930	3.01%	0.394%
36	20.180	2900	2906	2909	rVV3	266980	470182	2.05%	0.268%
37	20.939	3031	3035	3038	rBV	317526	412397	1.79%	0.235%
38	20.986	3038	3043	3053	rVV4	1166669	2212658	9.63%	1.261%
39	21.192	3075	3078	3084	rVB2	484092	565795	2.46%	0.323%
40	21.292	3084	3095	3098	rBV2	4221413	8143600	35.44%	4.643%
41	21.327	3098	3101	3109	rVB	1907756	2311619	10.06%	1.318%
42	21.445	3116	3121	3127	rVB	495431	701570	3.05%	0.400%
43	21.615	3144	3150	3154	rBV2	220572	395085	1.72%	0.225%
44	21.839	3185	3188	3194	rBV2	174913	244197	1.06%	0.139%
45	22.321	3267	3270	3275	rBV3	178769	260283	1.13%	0.148%
46	22.451	3287	3292	3298	rBV	1122398	1526557	6.64%	0.870%
47	22.862	3357	3362	3367	rBV	1156632	2513414	10.94%	1.433%
48	23.033	3388	3391	3398	rVB	279798	410843	1.79%	0.234%
49	23.345	3439	3444	3450	rBV	739979	1290896	5.62%	0.736%
50	23.439	3455	3460	3468	rVB	1150685	2139318	9.31%	1.220%
51	23.545	3472	3478	3483	rBV	1823397	3344769	14.55%	1.907%
52	25.815	3858	3864	3877	rVB2	608048	1706956	7.43%	0.973%

Sum of corrected areas: 175413228

LSC Report - Integrated Chromatogram

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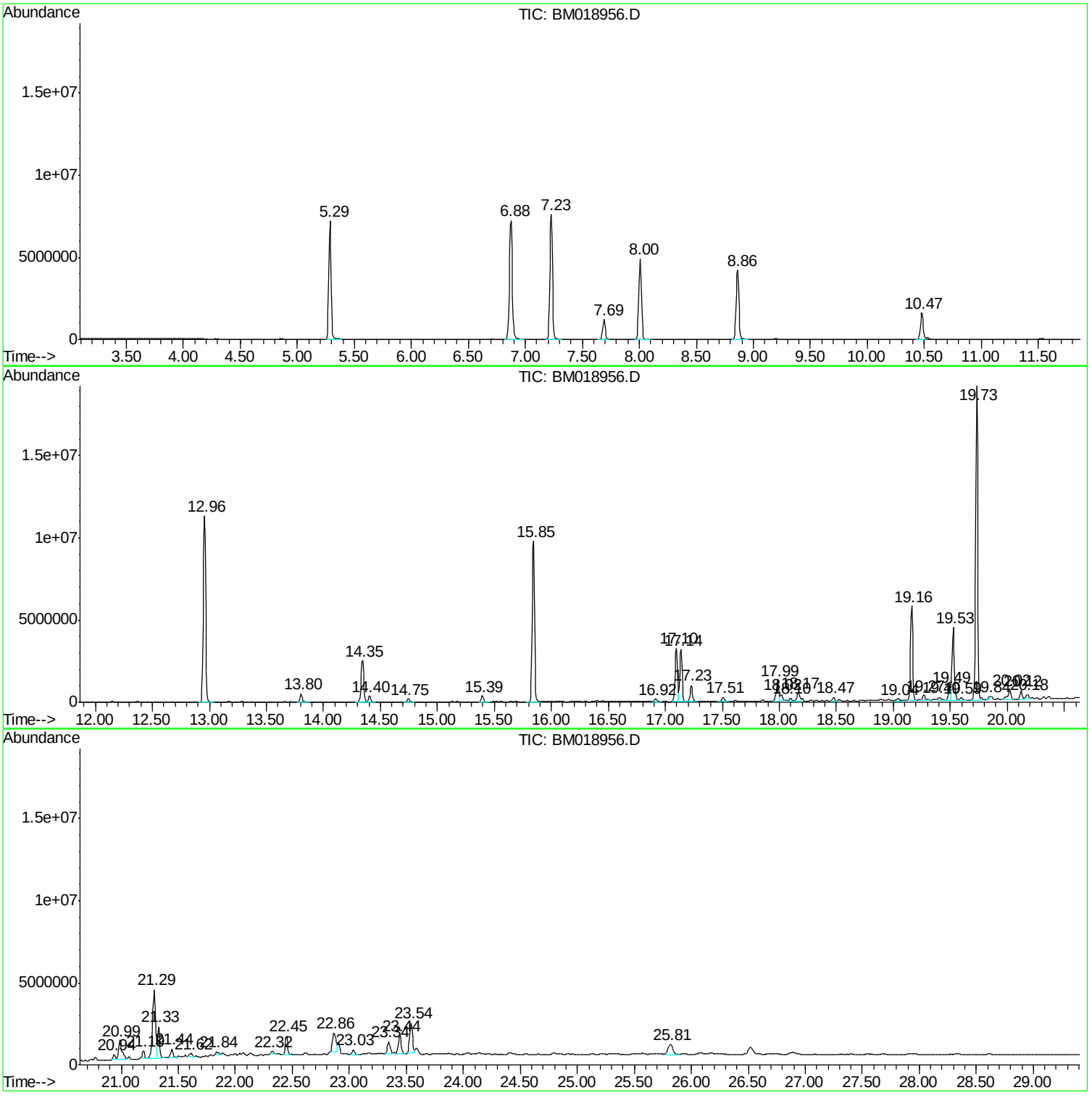
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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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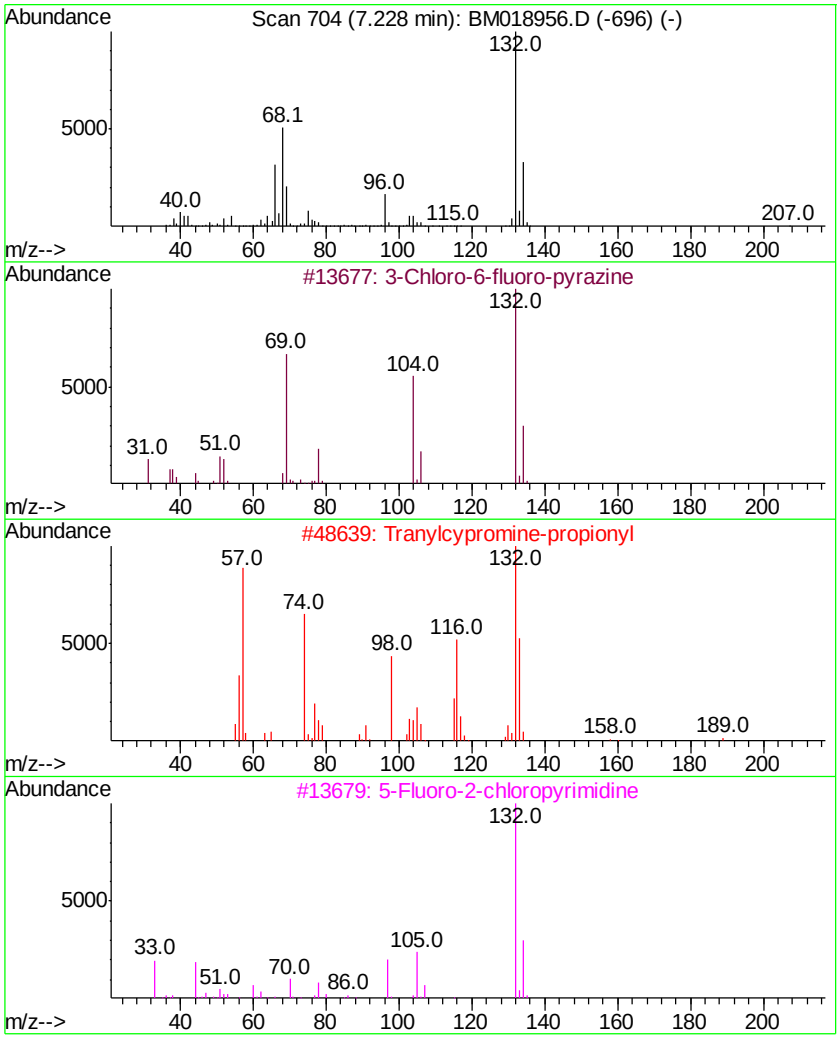
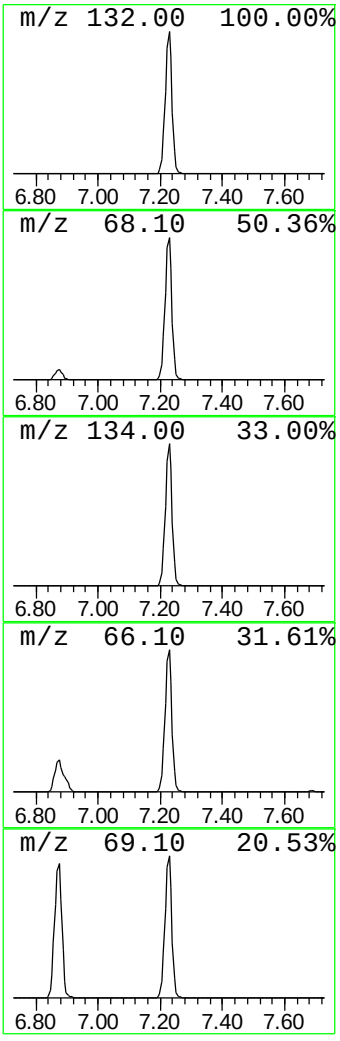
Peak Number 1 unknown7.23 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	122.33 ng	11860200	1,4-Dichlorobenzene-d4	7.69

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	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

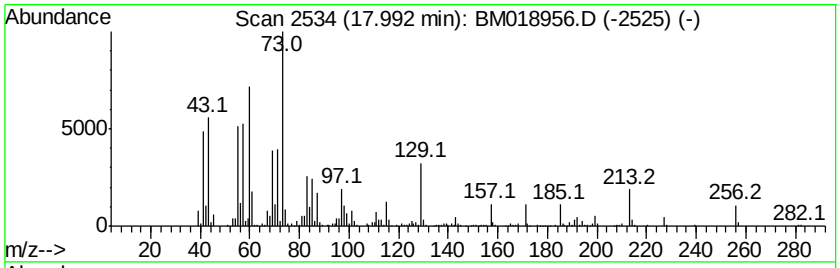
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

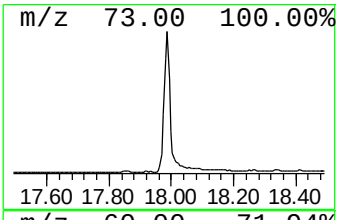
****

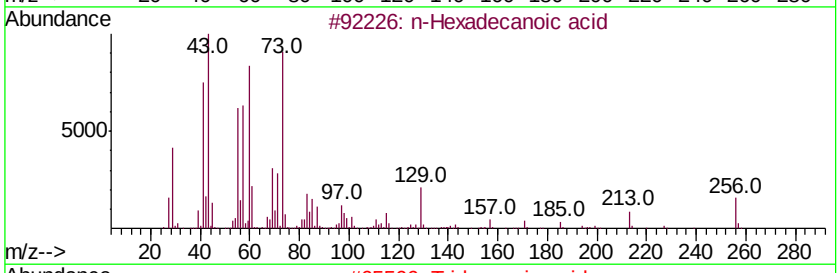
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

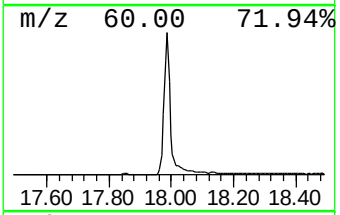
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	8.26 ng	1902540	Phenanthrene-d10	17.10

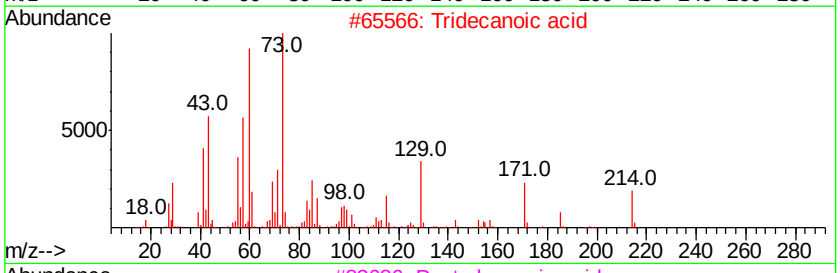
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	Dodecanoic acid	200	C12H24O2	000143-07-7	50

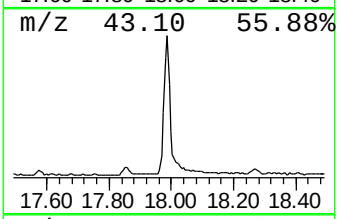


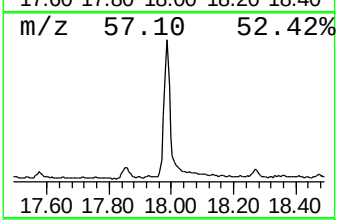


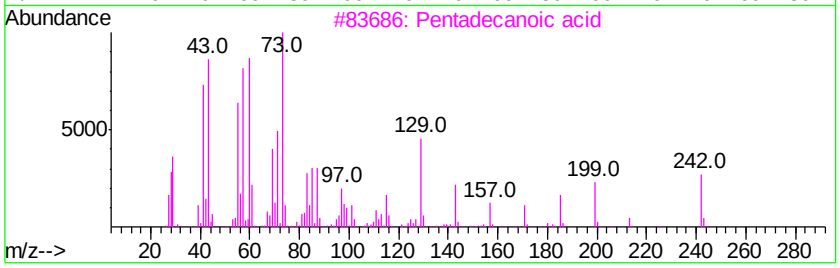


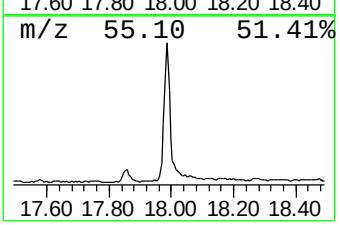












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

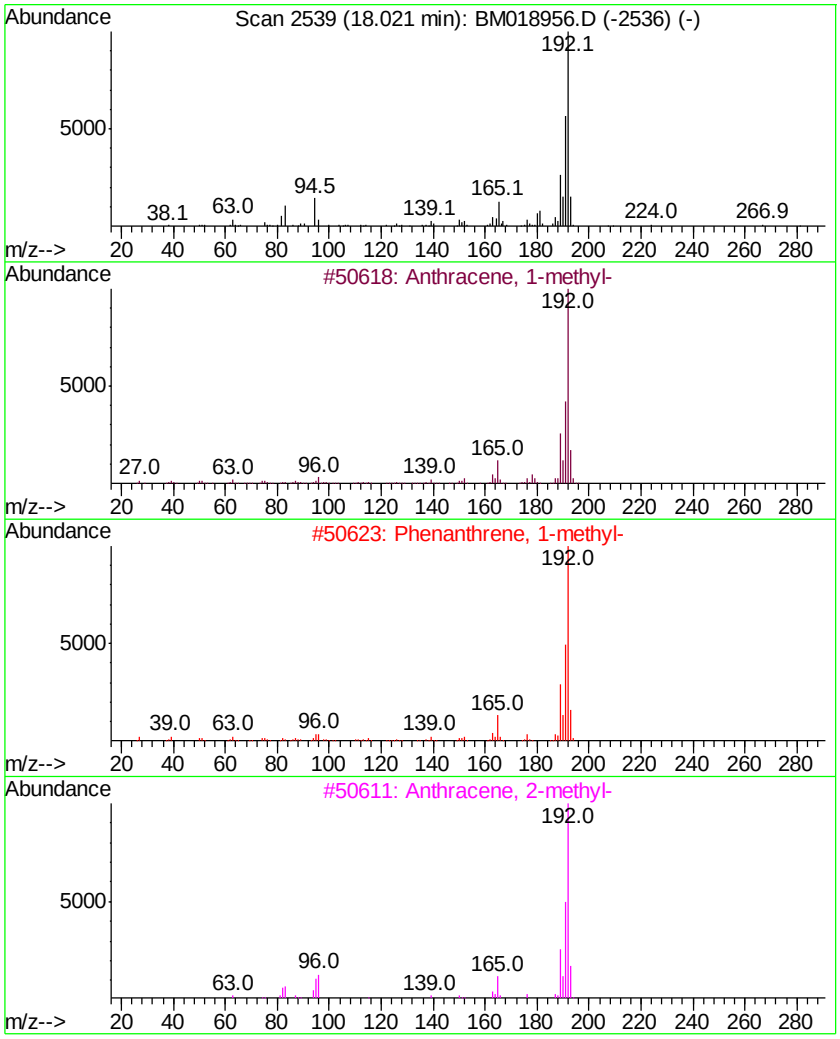
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

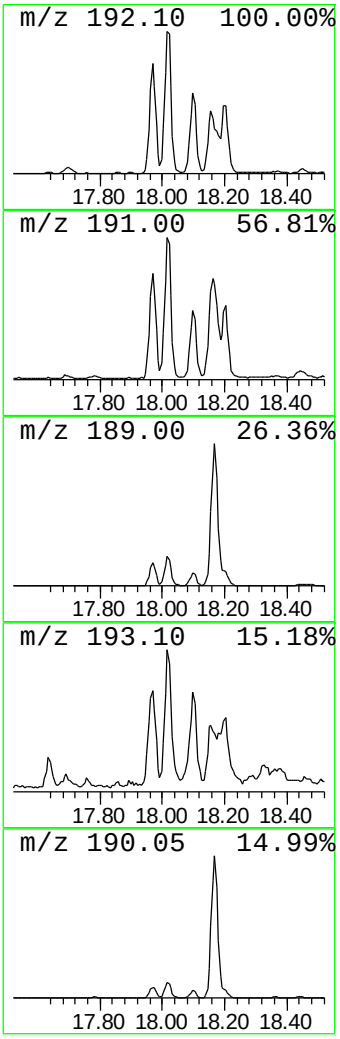
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.10 ng	483573	Phenanthrene-d10	17.10

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





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Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

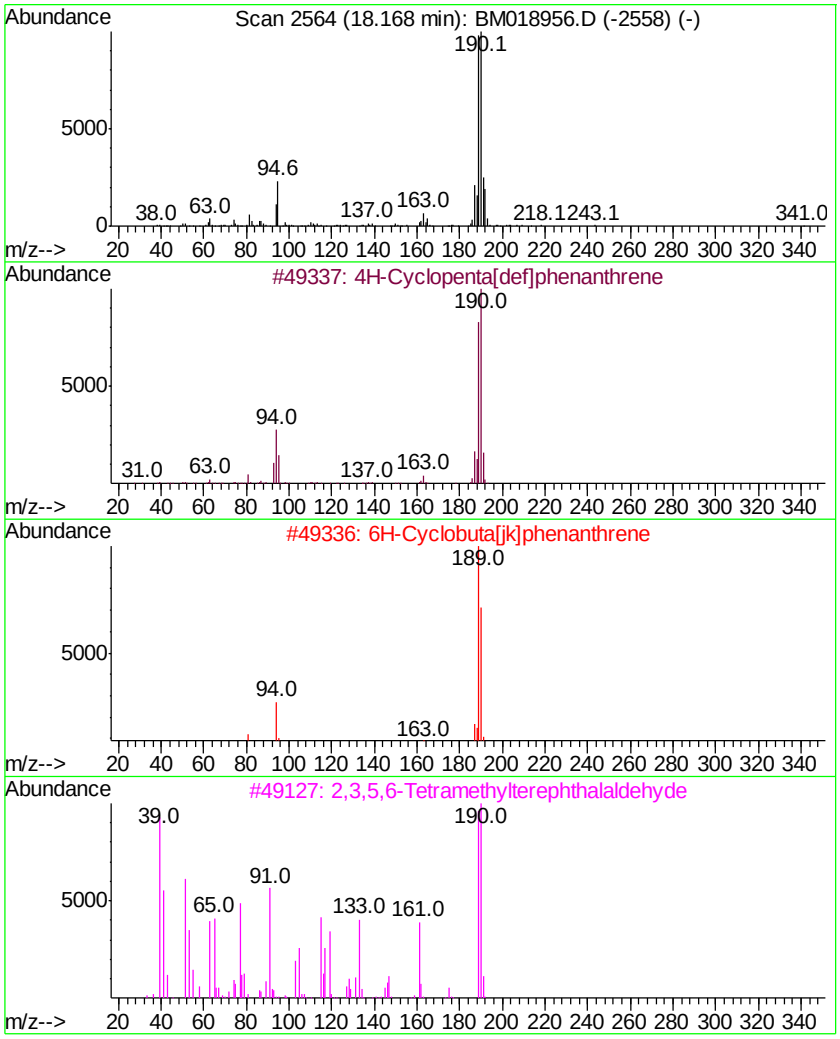
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

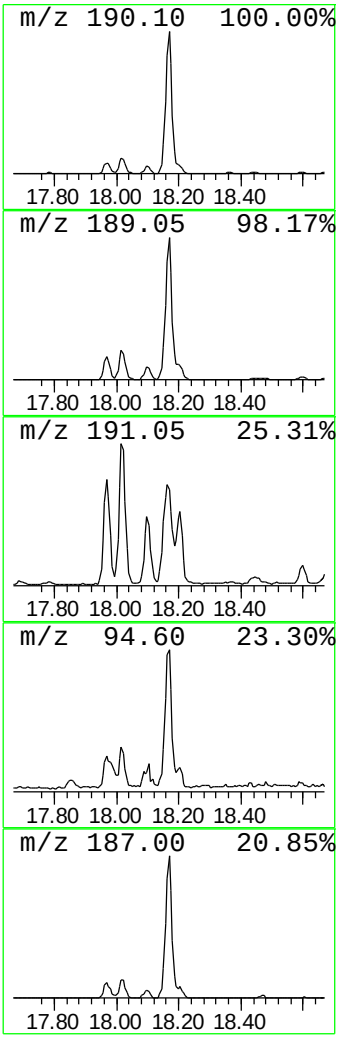
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.91 ng	901153	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	3H-Indazole-3-carbonitrile, 3-(4...	253	C14H8ClN3	056630-97-8	10





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Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

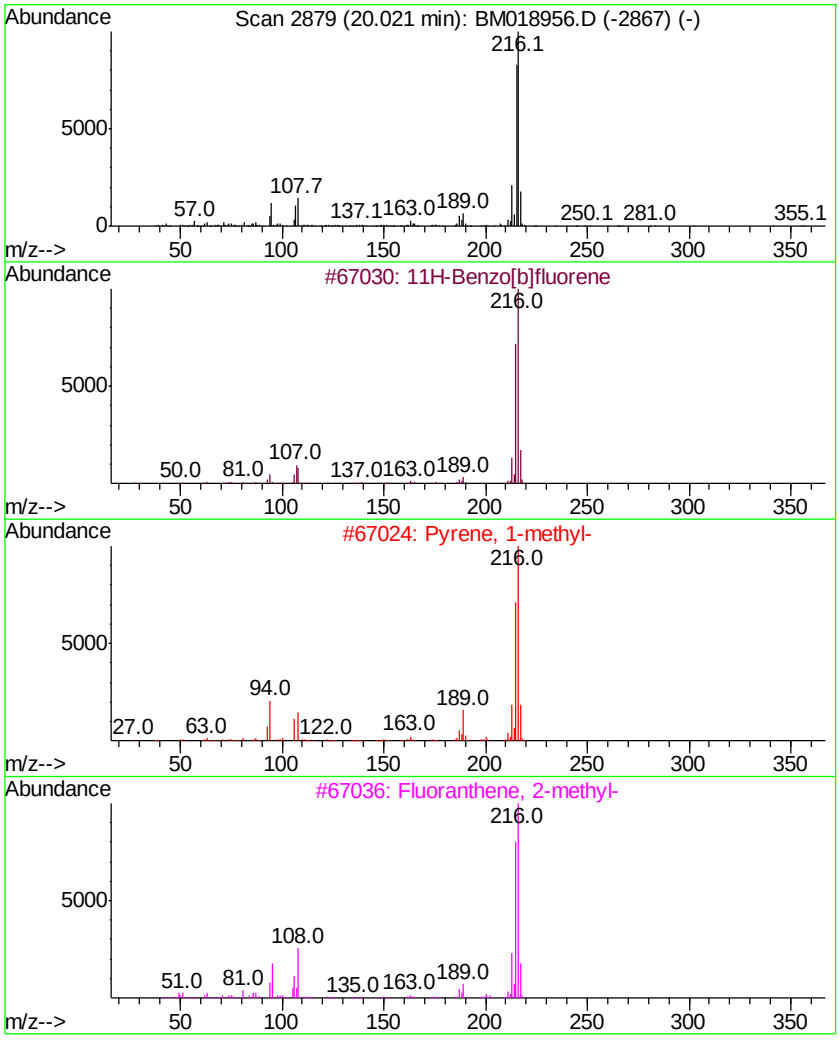
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

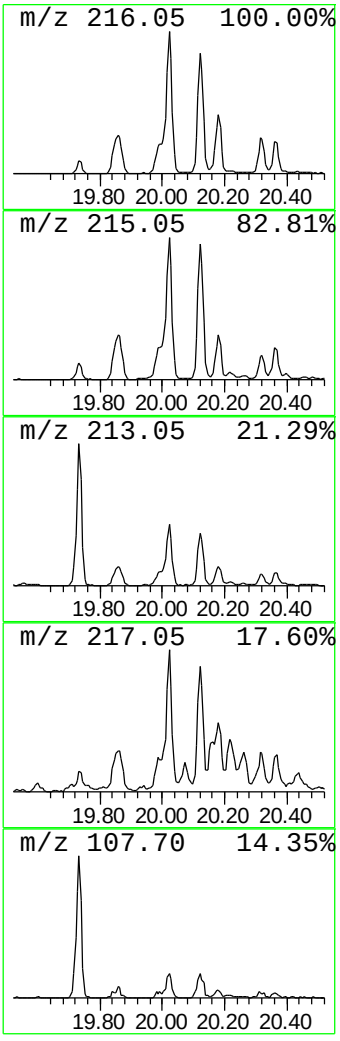
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.99 ng	1218670	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

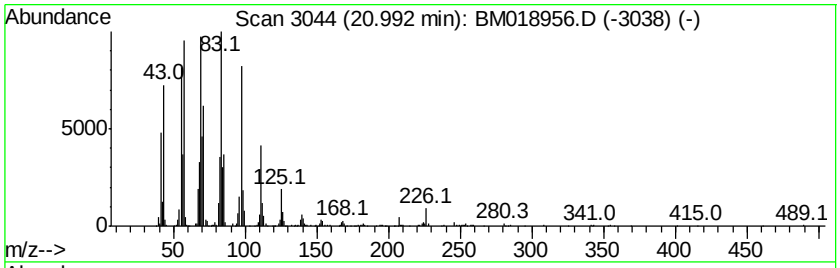
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

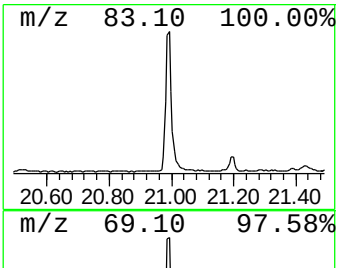
****

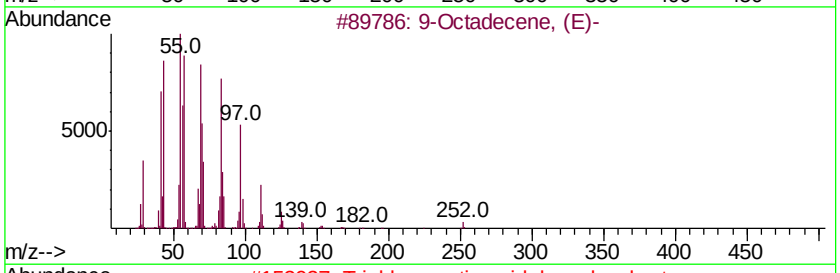
Peak Number 7 9-Octadecene, (E)- Concentration Rank 6

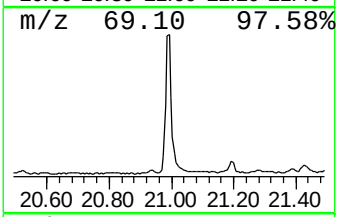
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	5.43 ng	2212660	Chrysene-d12	21.29

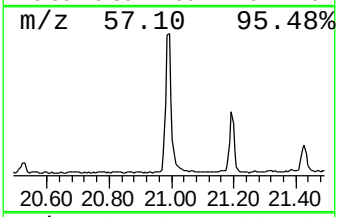
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecene, (E)-	252	C18H36	007206-25-9	93
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	83

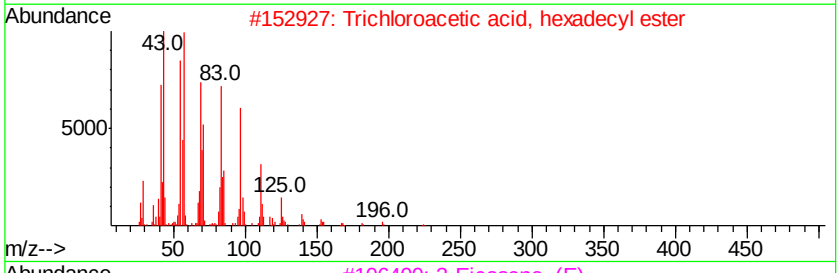


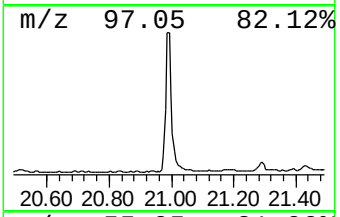


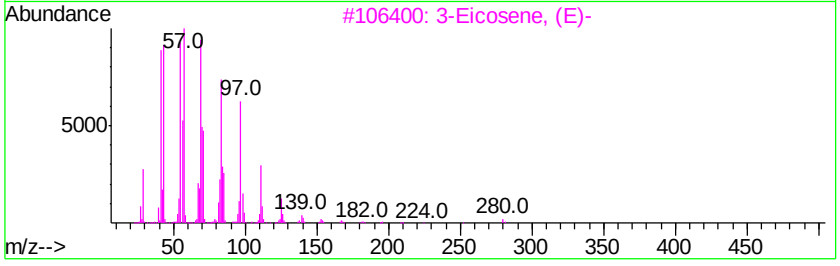


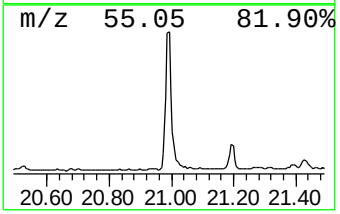












Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

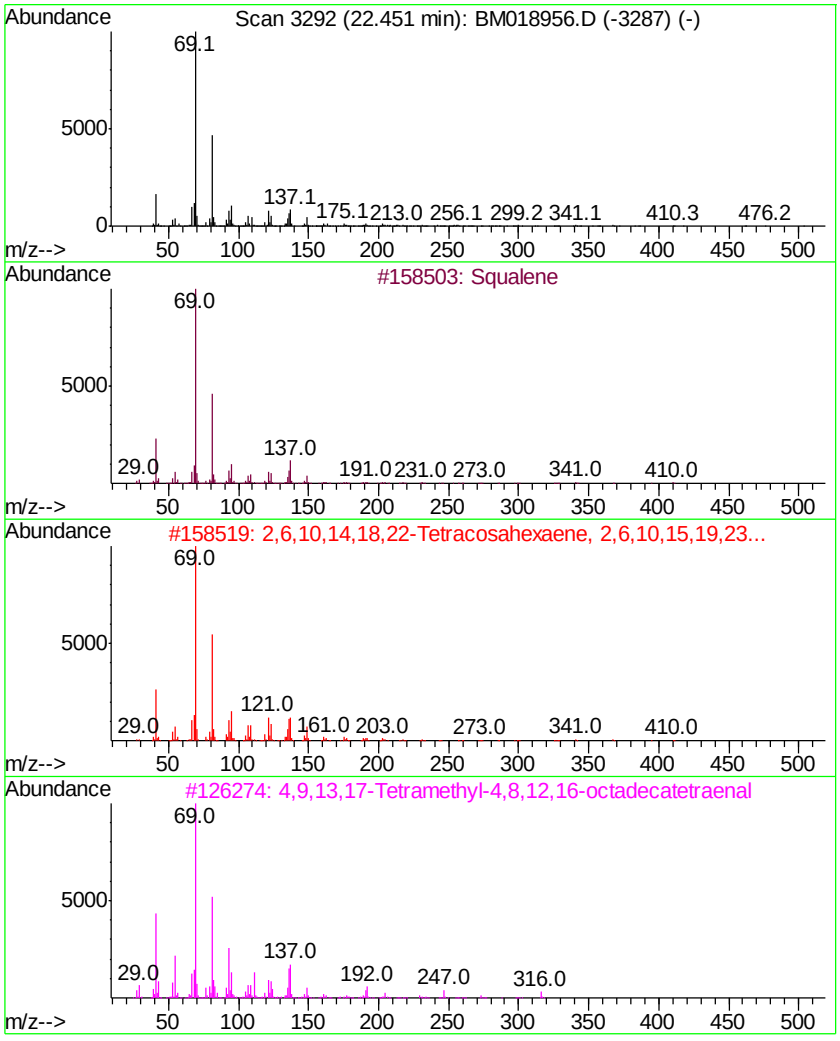
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

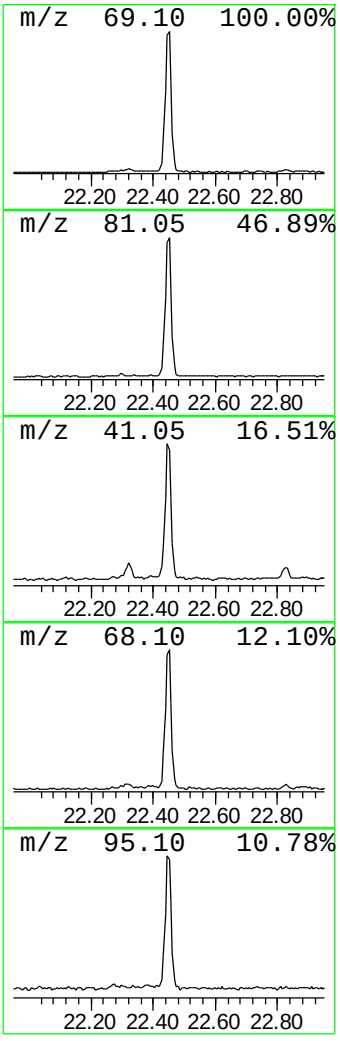
****

Peak Number 8 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	9.13 ng	1526560	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	86
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	83
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

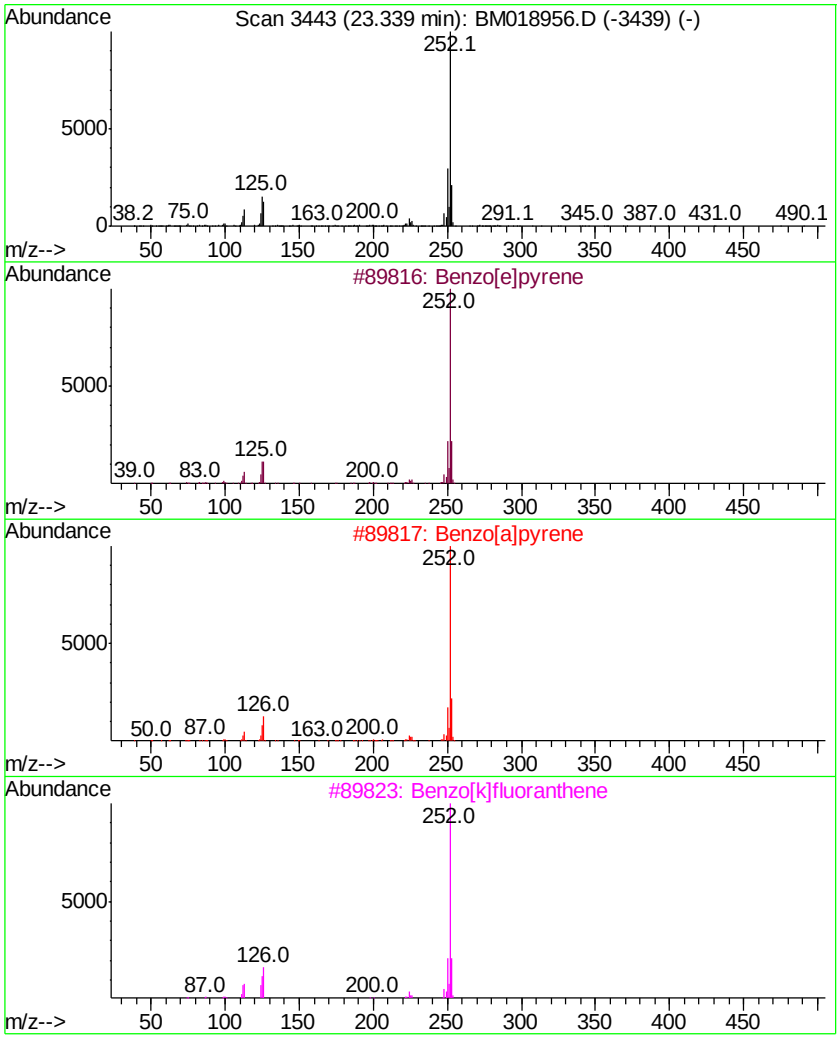
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

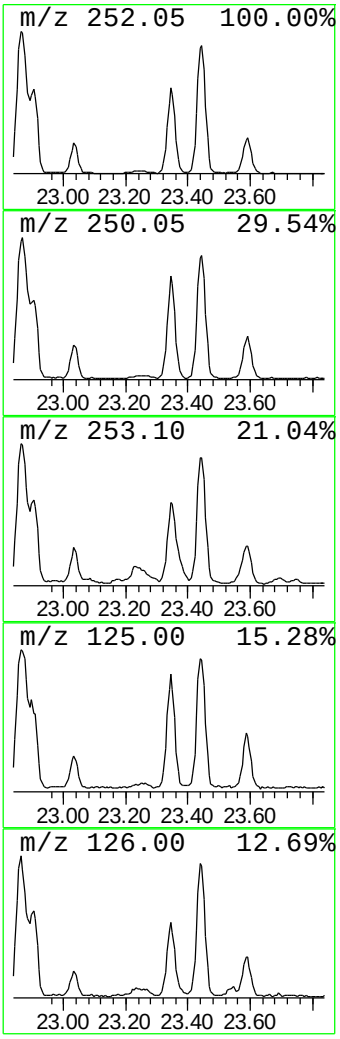
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.34	7.72 ng	1290900	Perylene-d12	23.54

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	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SR-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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
unknown7.23	7.23	122.3	ng	11860200	1	7.69	1939040	20.0
n-Hexadecanoic acid	17.99	8.3	ng	1902540	4	17.10	4608160	20.0
Anthracene, 1-met...	18.02	2.1	ng	483573	4	17.10	4608160	20.0
4H-Cyclopenta[def...	18.17	3.9	ng	901153	4	17.10	4608160	20.0
11H-Benzo[b]fluorene	20.02	3.0	ng	1218670	5	21.29	8143600	20.0
9-Octadecene, (E)-	20.99	5.4	ng	2212660	5	21.29	8143600	20.0
Squalene	22.45	9.1	ng	1526560	6	23.54	3344770	20.0
Benzo[e]pyrene	23.34	7.7	ng	1290900	6	23.54	3344770	20.0