LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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	5.269	365	371	384	rBV	4910958	7051890	48.30%	6.751%
2	6.858	632	641	665	rBV	4687110	7884160	54.00%	7.548%
3	7.210	693	701	716	rBV	5092584	7999625	54.79%	7.658%
4	7.669	773	779	787	rBV	991560	1592345	10.91%	1.524%
5	7.987	826	833	846	rBV	3602815	5716655	39.16%	5.473%
6	8.840	971	978	996	rBV	2715046	4622026	31.66%	4.425%
7	10.457	1244	1253	1274	rBV	1274127	2177257	14.91%	2.084%
8	12.939	1668	1675	1688	rBV	7090570	9940309	68.09%	9.516%
9	13.786	1814	1819	1831	rBV	358729	547426	3.75%	0.524%
10	14.328	1903	1911	1918	rBV2	1842958	2779860	19.04%	2.661%
11	15.828	2159	2166	2185	rBV	5867082	8599464	58.90%	8.232%
12	17.080	2373	2379	2383	rBV	2340352	3383106	23.17%	3.239%
13	17.122	2383	2386	2394	rVV	923805	1235802	8.46%	1.183%
14	17.216	2397	2402	2406	rVV	152228	210730	1.44%	0.202%
15	17.498	2441	2450	2457	rBV3	74787	199251	1.36%	0.191%
16	17.969	2523	2530	2533	rBV2	562515	922183	6.32%	0.883%
17	18.004	2533	2536	2541	rVB	261021	377616	2.59%	0.361%
18	18.151	2555	2561	2565	rVV2	204899	420896	2.88%	0.403%
19	18.186	2565	2567	2573	rVB	137767	168513	1.15%	0.161%
20	18.463	2609	2614	2618	rBV	112415	154813	1.06%	0.148%
21	18.874	2679	2684	2689	rBV	121167	227707	1.56%	0.218%
22	19.021	2704	2709	2717	rVB3	100008	216628	1.48%	0.207%
23	19.145	2725	2730	2736	rVB	1591160	2069698	14.18%	1.981%
24	19.257	2744	2749	2754	rBV3	189991	309173	2.12%	0.296%
25	19.480	2782	2787	2788	rBV	299505	392053	2.69%	0.375%
26	19.510	2788	2792	2800	rVV	1301677	1856708	12.72%	1.777%
27	19.580	2800	2804	2811	rVB2	131646	205188	1.41%	0.196%
28	19.721	2820	2828	2832	rBV	11557388	14599733	100.00%	13.976%
29	19.833	2842	2847	2856	rBV3	138423	373466	2.56%	0.358%
30	20.010	2865	2877	2881	rBV3	219864	629290	4.31%	0.602%
31	20.163	2897	2903	2908	rBV2	179353	338179	2.32%	0.324%
32	20.757	3001	3004	3011	rVB	197469	264243	1.81%	0.253%
33	20.974	3036	3041	3050	rVV4	703826	1158386	7.93%	1.109%
34	21.057	3052	3055	3060	rVB	183393	225583	1.55%	0.216%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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	21.274	3086	3092	3096	rBV2	3575915	5264586	36.06%	5.040%
36	21.315	3096	3099	3107	rVB	729044	975610	6.68%	0.934%
37	21.827	3183	3186	3188	rBV	142934	192284	1.32%	0.184%
38	21.868	3190	3193	3202	rVB2	482247	713211	4.89%	0.683%
39	22.433	3285	3289	3294	rVB	299507	411161	2.82%	0.394%
40	22.539	3304	3307	3311	rVB2	198217	238248	1.63%	0.228%
41	22.809	3350	3353	3355	rBV	229076	299588	2.05%	0.287%
42	22.856	3355	3361	3372	rVB2	843599	2267905	15.53%	2.171%
43	23.327	3437	3441	3445	rBV	230804	377728	2.59%	0.362%
44	23.421	3453	3457	3464	rVB	442006	815267	5.58%	0.780%
45	23.521	3468	3474	3480	rBV	1844763	3462383	23.72%	3.315%
46	24.021	3554	3559	3566	rVB	340750	592281	4.06%	0.567%

Sum of corrected areas: 104460214

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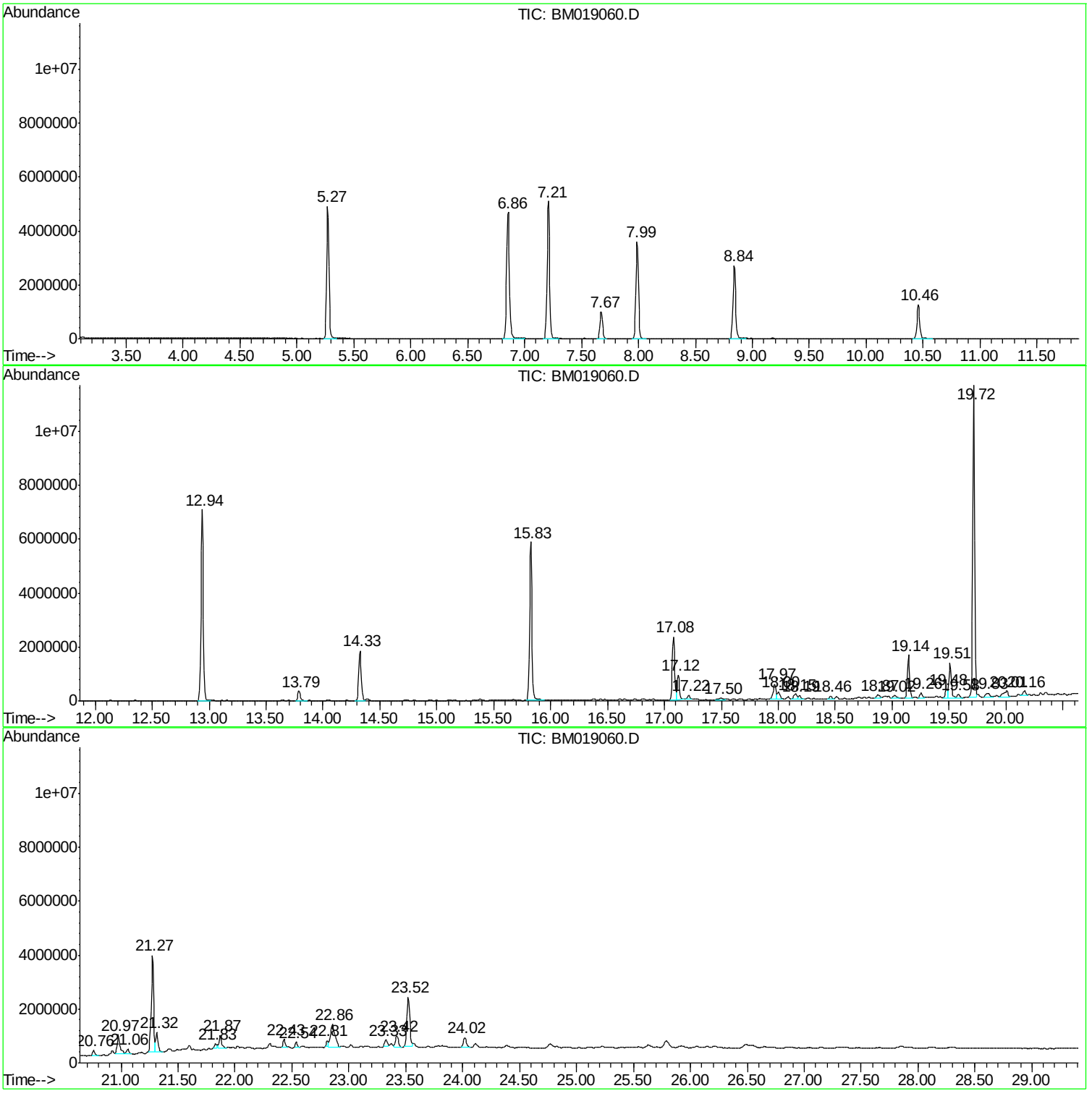
Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

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

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Operator : JU/SJ
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Misc :
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Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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

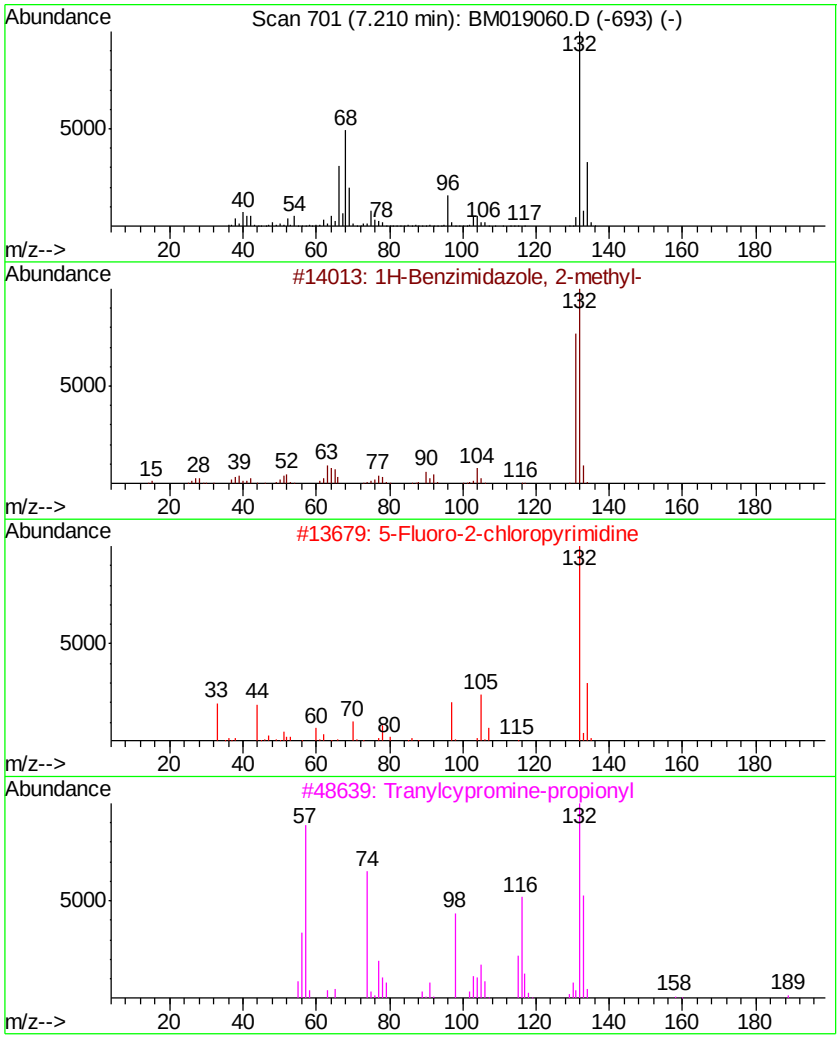
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

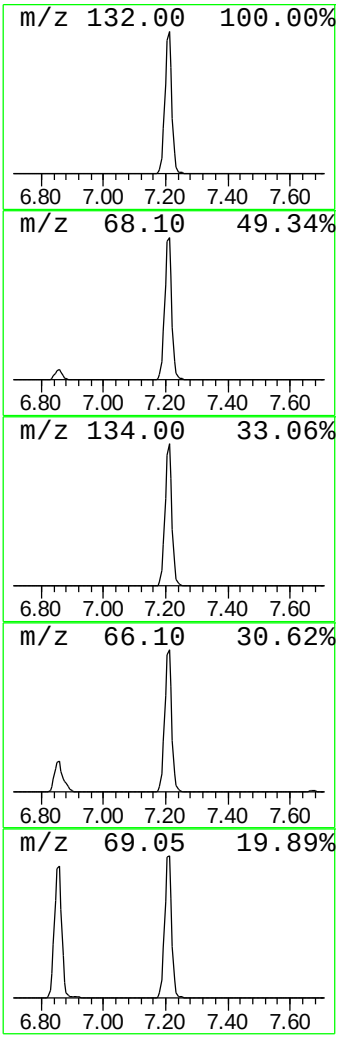
****

Peak Number 1 unknown7.21 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	100.48 ng	7999630	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Misc :
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Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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

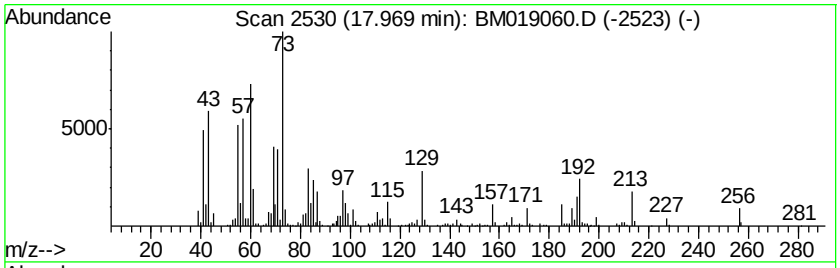
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

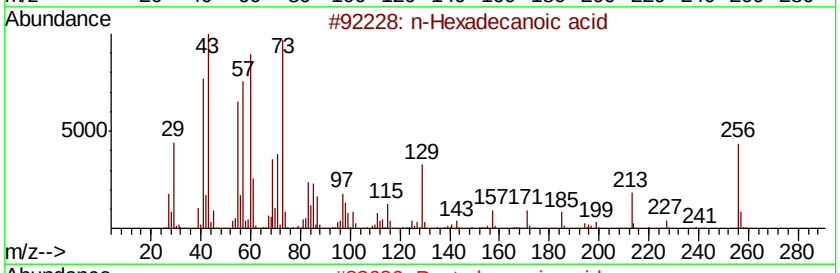
****

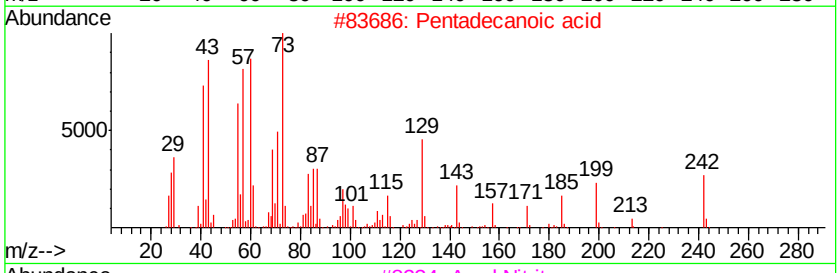
Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

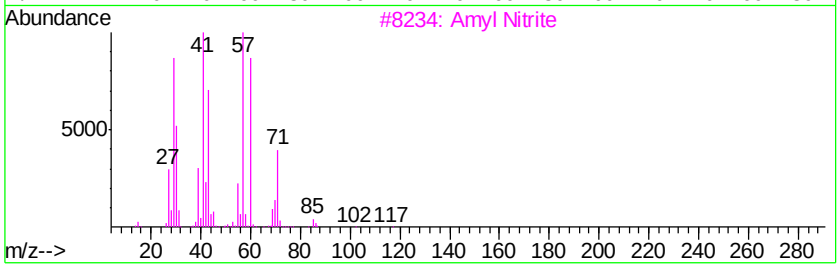
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.45 ng	922183	Phenanthrene-d10	17.08

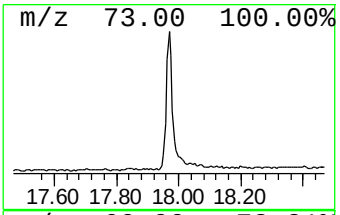
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
3	Amyl Nitrite	117	C5H11NO2	000110-46-3	38
4	Undecanoic acid	186	C11H22O2	000112-37-8	35
5	Nonanoic acid	158	C9H18O2	000112-05-0	27

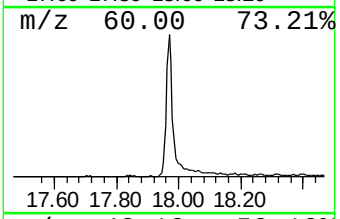


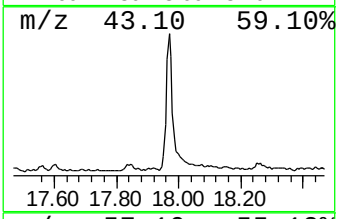


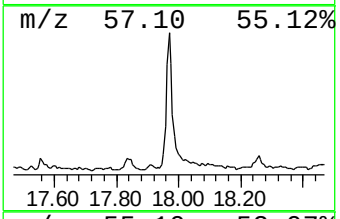


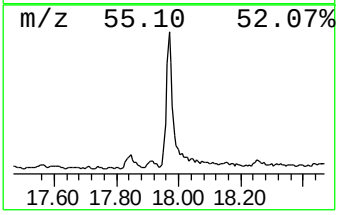












Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
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Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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

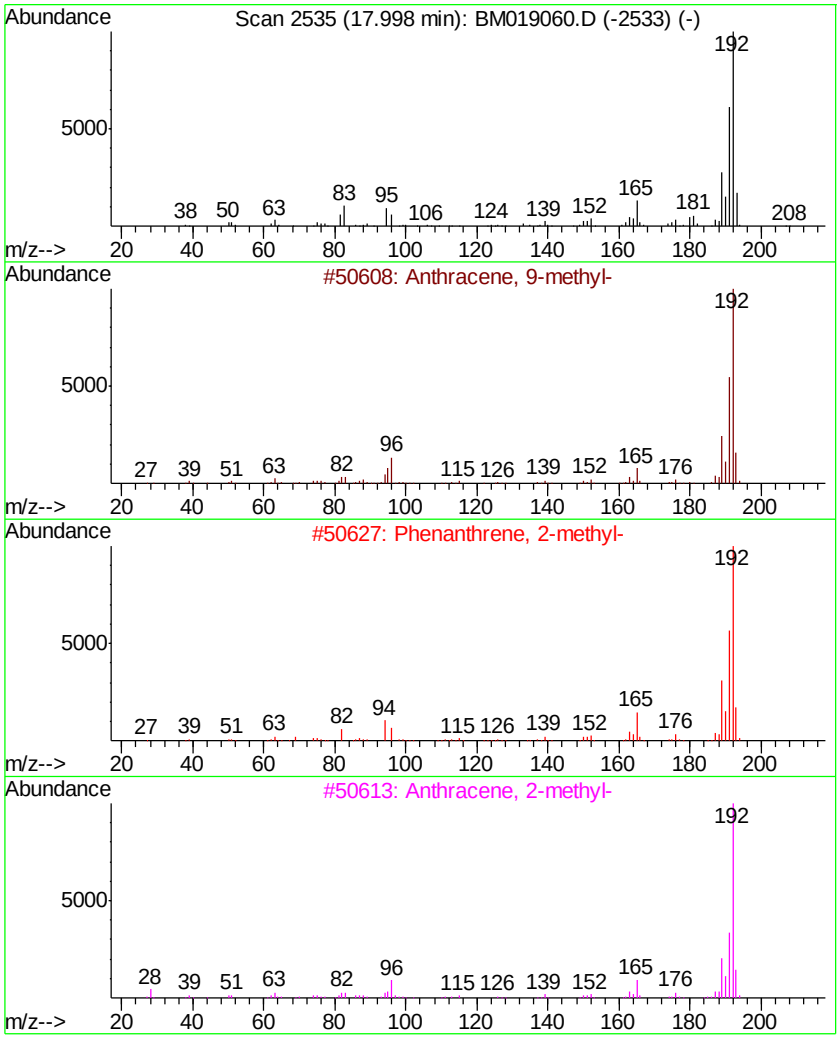
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

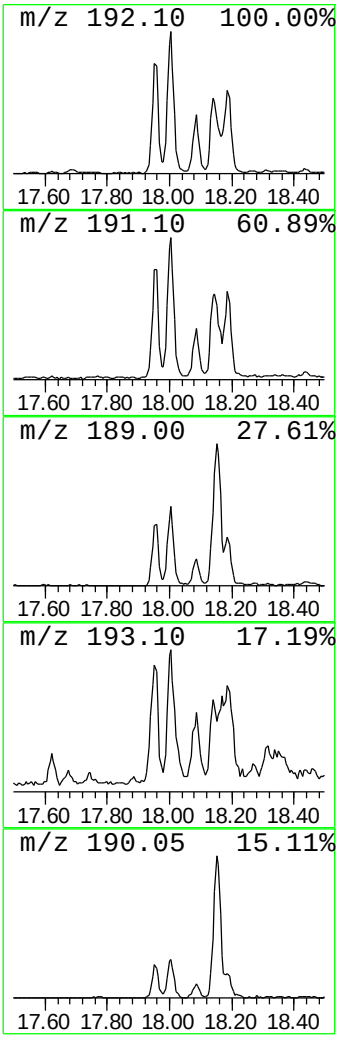
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.23 ng	377616	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
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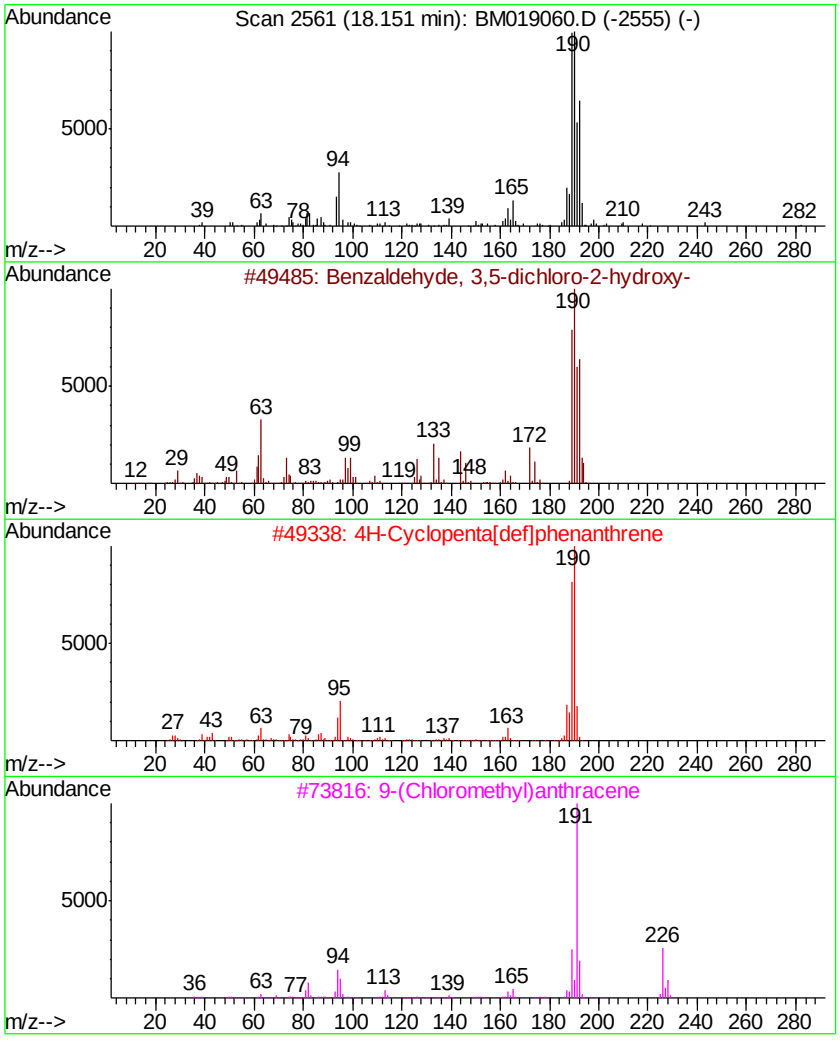
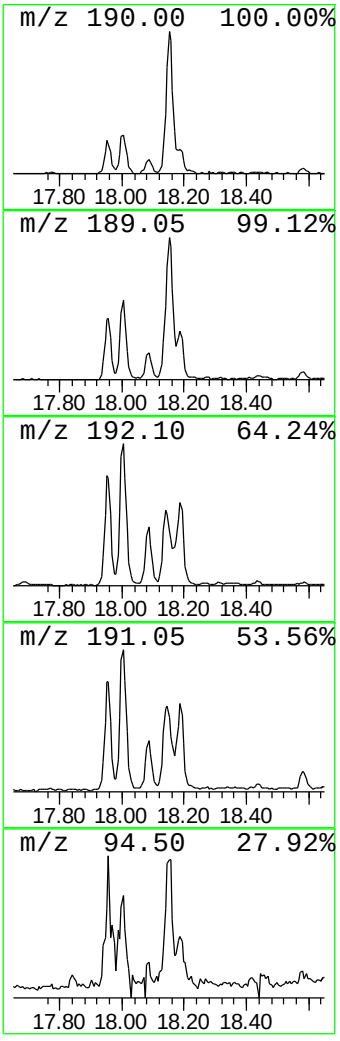
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.49 ng	420896	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	9-(Chloromethyl)anthracene	226	C15H11Cl	024463-19-2	50
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

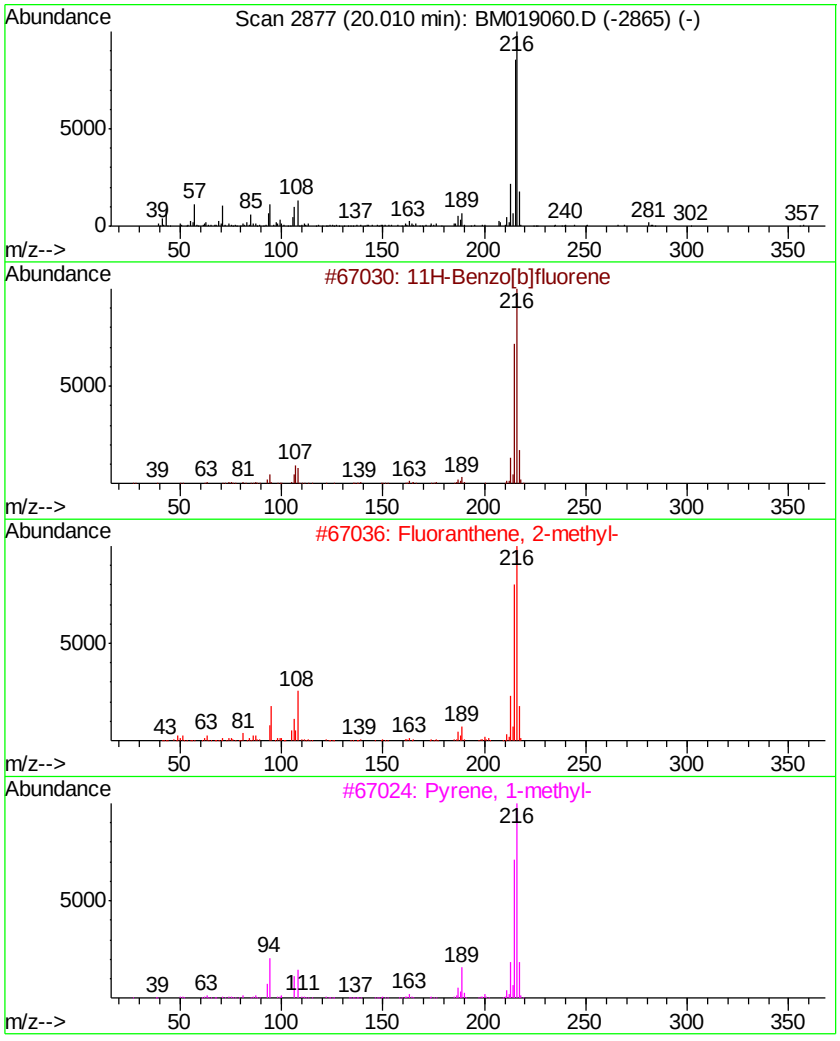
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

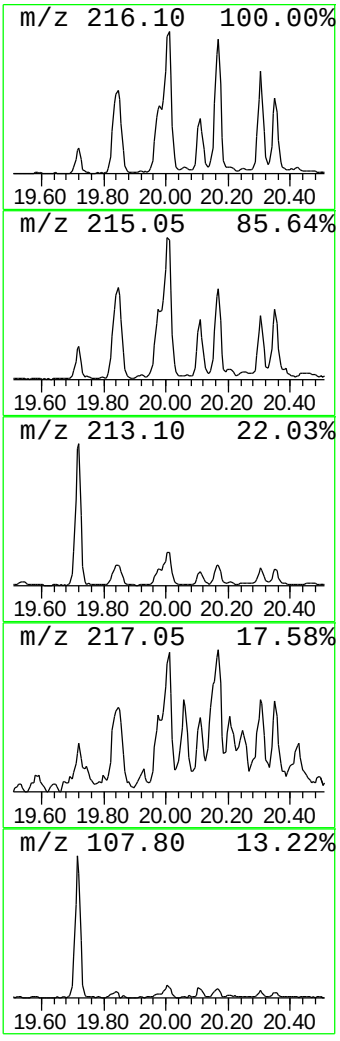
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	2.39 ng	629290	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

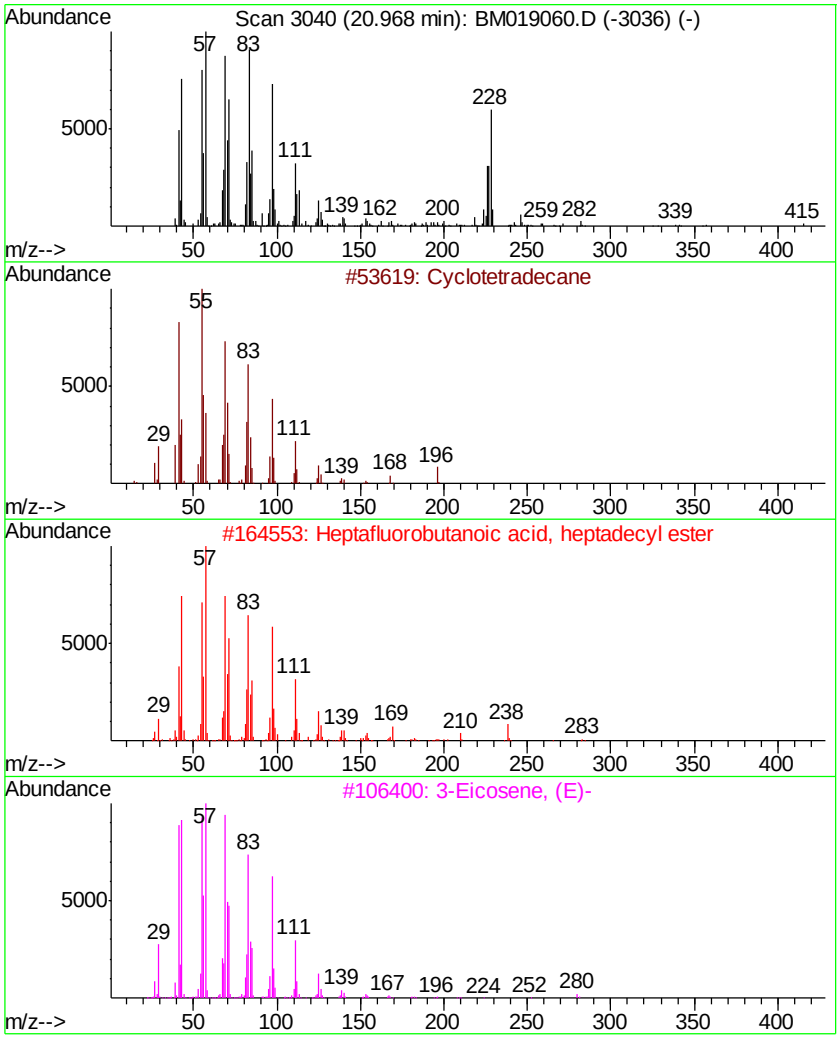
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

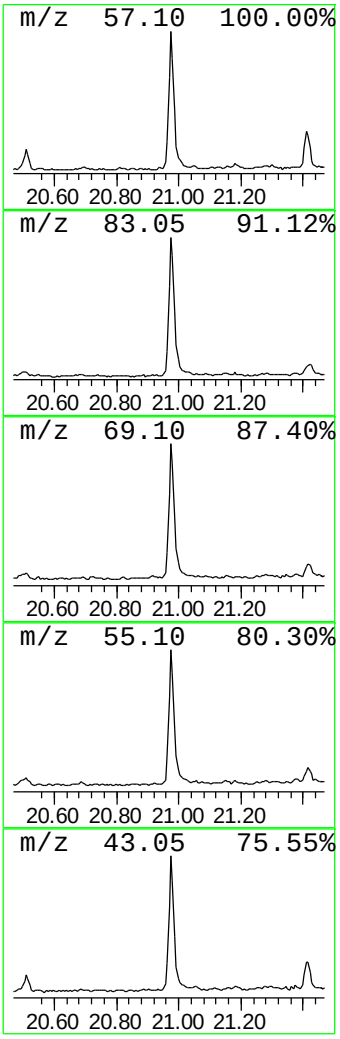
****

Peak Number 7 Cyclotetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.40 ng	1158390	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	95
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91





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TIC Library : C:\DATABASE\NIST02.L
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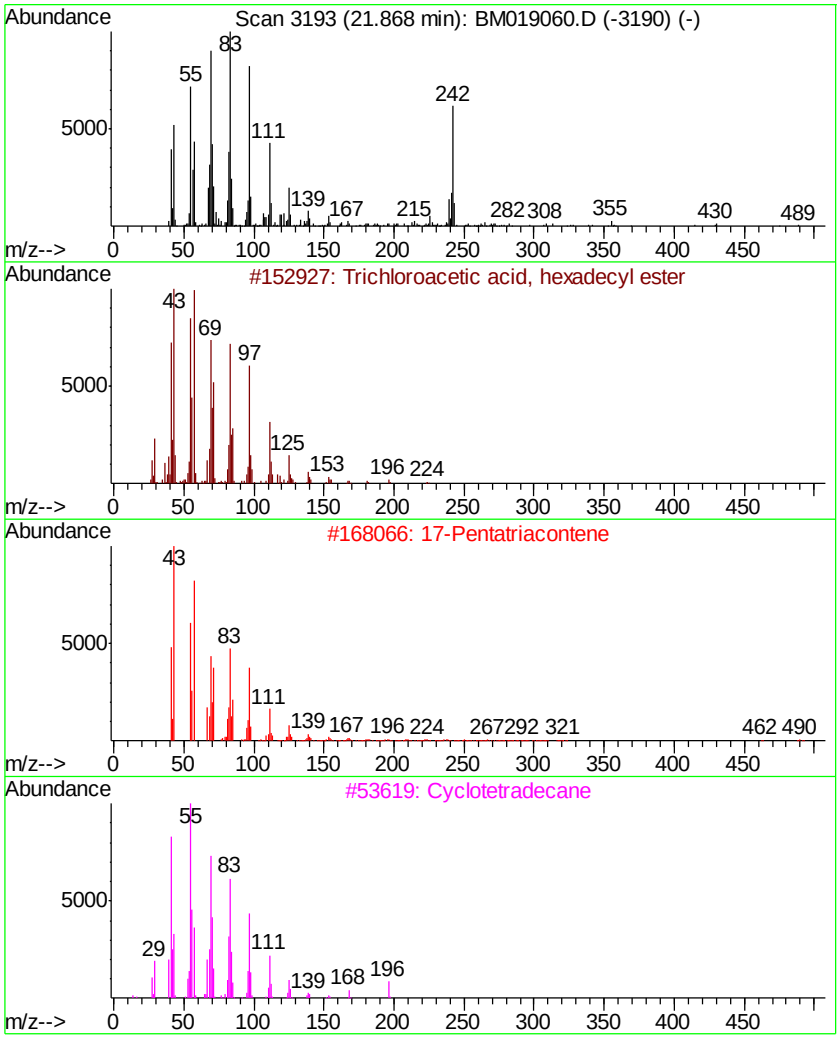
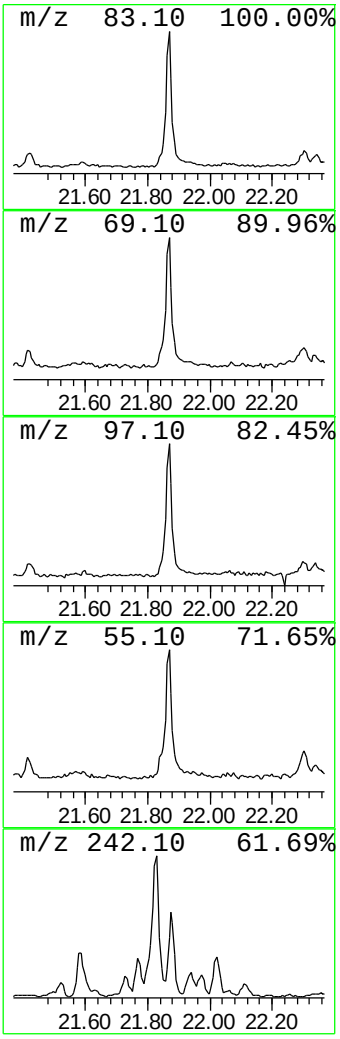
****

Peak Number 8 Trichloroacetic acid, hexad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.71 ng	713211	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	80
2	17-Pentatriacontene	491	C35H70	006971-40-0	80
3	Cyclotetradecane	196	C14H28	000295-17-0	74
4	10-Heneicosene (c,t)	294	C21H42	095008-11-0	52
5	1-Eicosanol	298	C20H42O	000629-96-9	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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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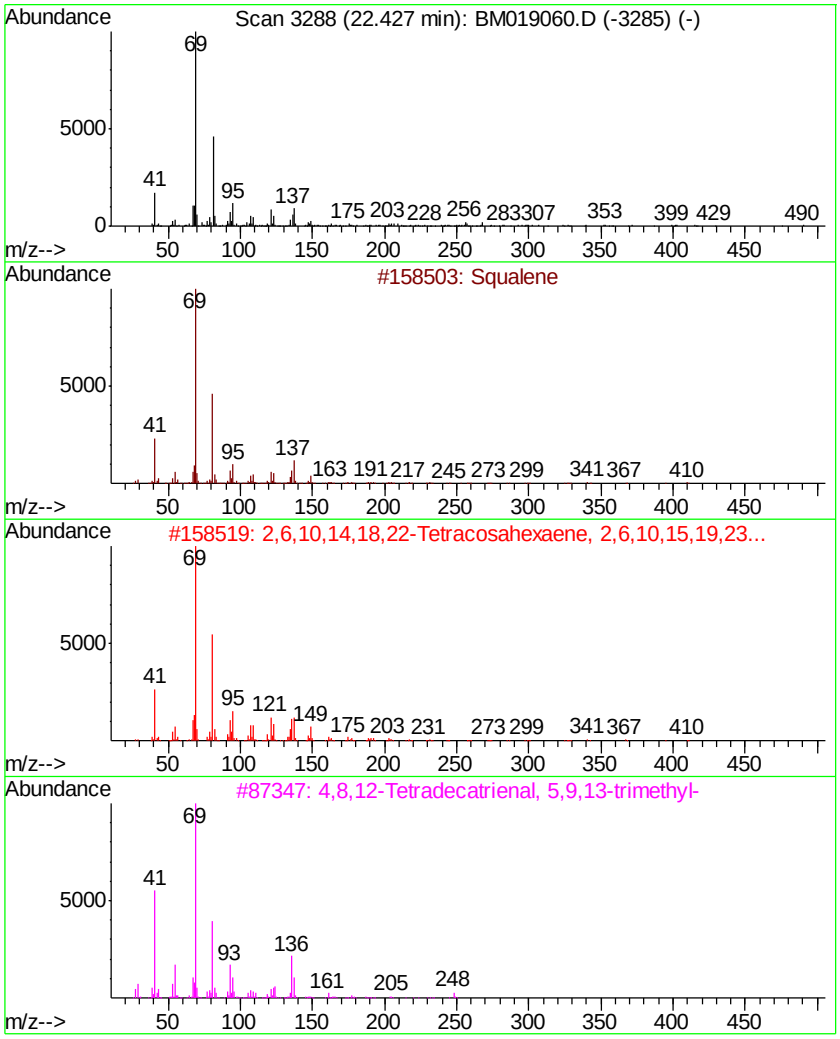
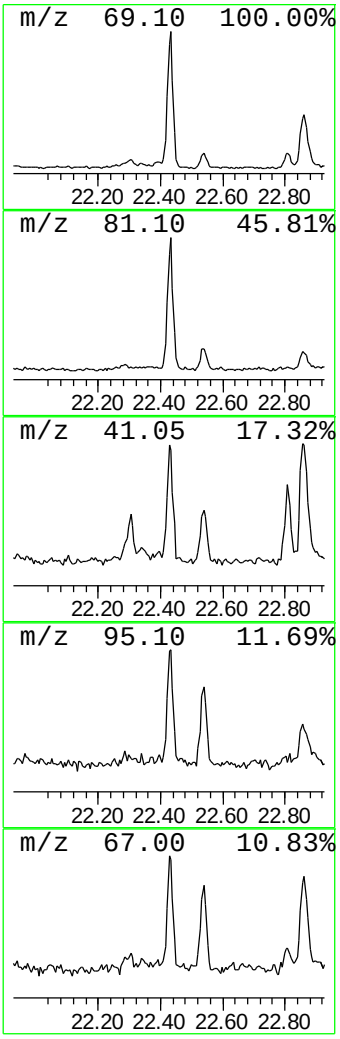
Peak Number 9 Squalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	2.38 ng	411161	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	90
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	86
3	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
4	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	64
5	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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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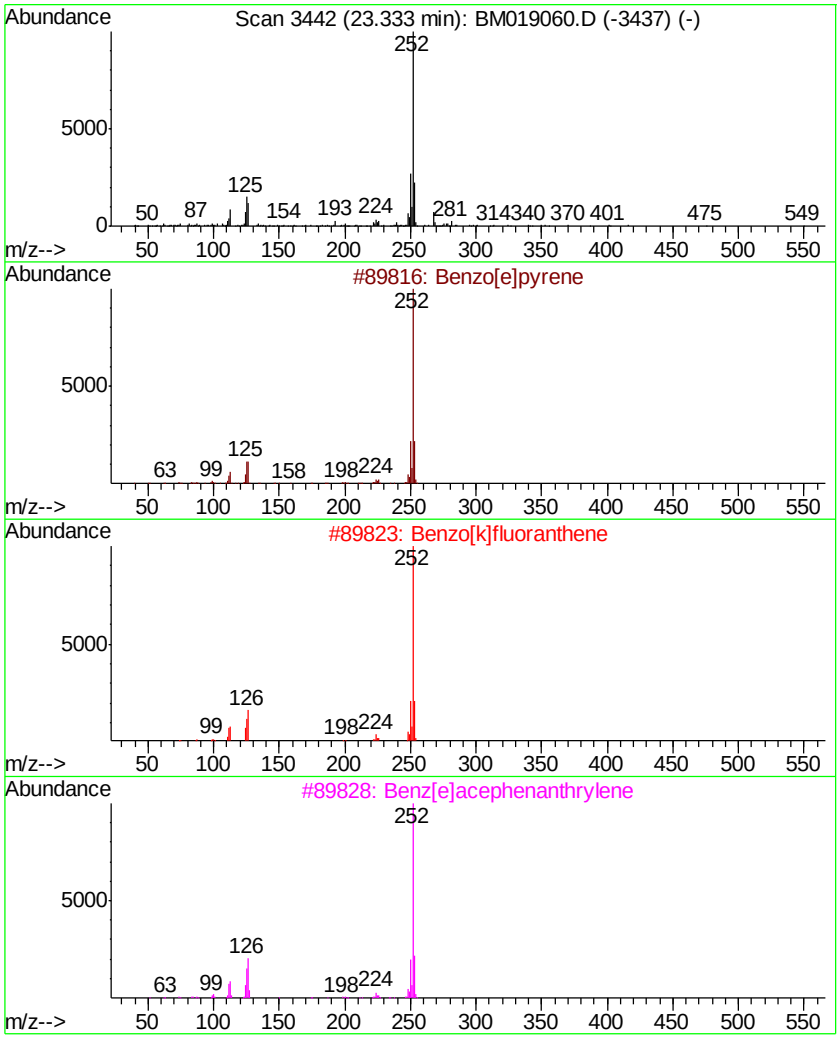
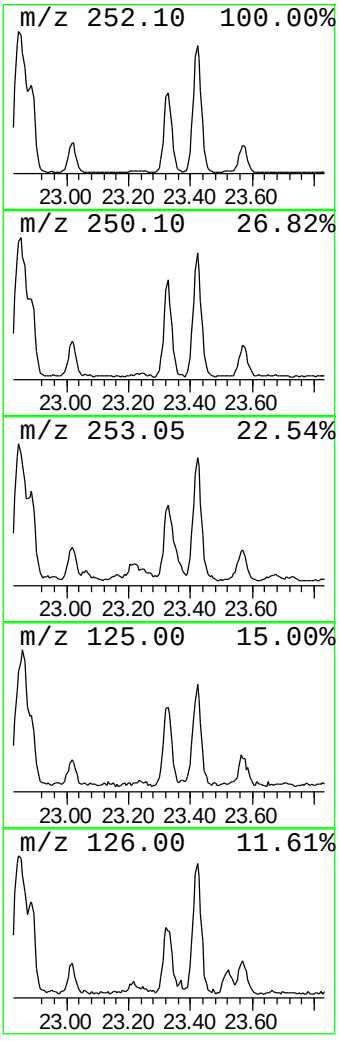
Peak Number 10 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.33	2.18 ng	377728	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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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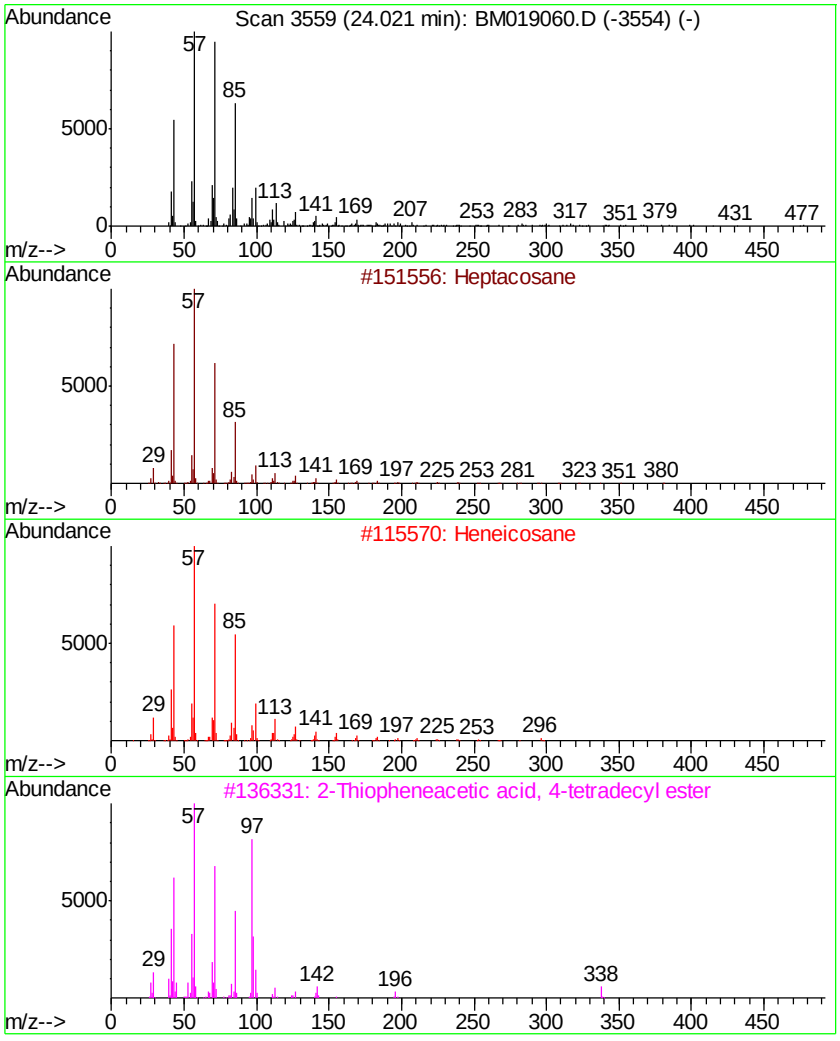
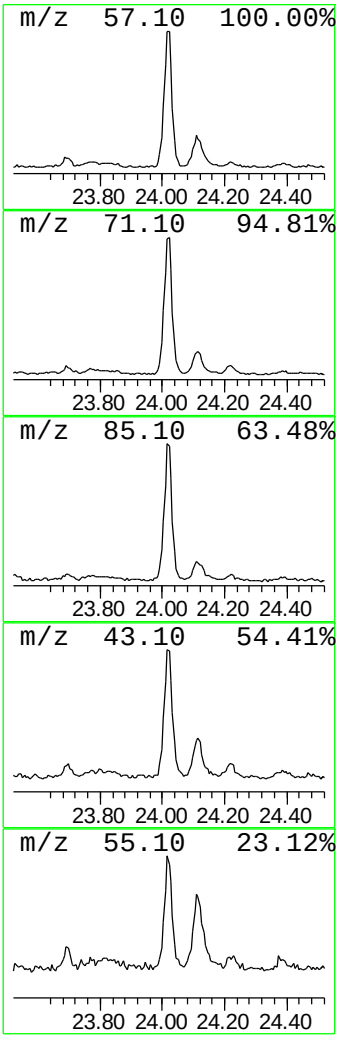
Peak Number 11 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.02	3.42 ng	592281	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	2-Thiopheneacetic acid, 4-tetrad...	338	C20H34O2S	1000280-67-0	72
4	Octacosane	394	C28H58	000630-02-4	72
5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
Sample : K1704-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PST-027-B110-022719

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
unknown7.21	7.21	100.5	ng	7999630	1	7.68	1592350	20.0
n-Hexadecanoic acid	17.97	5.5	ng	922183	4	17.08	3383110	20.0
Anthracene, 9-met...	18.00	2.2	ng	377616	4	17.08	3383110	20.0
Benzaldehyde, 3,5...	18.15	2.5	ng	420896	4	17.08	3383110	20.0
11H-Benzo[b]fluorene	20.01	2.4	ng	629290	5	21.27	5264590	20.0
Cyclotetradecane	20.97	4.4	ng	1158390	5	21.27	5264590	20.0
Trichloroacetic a...	21.87	2.7	ng	713211	5	21.27	5264590	20.0
Squalene	22.43	2.4	ng	411161	6	23.52	3462380	20.0
Benzo[e]pyrene	23.33	2.2	ng	377728	6	23.52	3462380	20.0
Heptacosane	24.02	3.4	ng	592281	6	23.52	3462380	20.0