LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
Data File : BM020336.D
Acq On : 14 May 2019 17:17
Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

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-BM043019.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	5.345	395	401	417	rVB	869142	1336984	50.52%	6.308%
2	6.928	664	670	685	rBV	793015	1291083	48.79%	6.091%
3	7.292	725	732	748	rBV	873627	1450569	54.81%	6.843%
4	7.757	805	811	819	rBV	214395	337155	12.74%	1.591%
5	8.075	858	865	874	rBV	673335	1081006	40.85%	5.100%
6	8.928	1003	1010	1024	rBV	431335	820173	30.99%	3.869%
7	10.551	1280	1286	1301	rVB	216994	394112	14.89%	1.859%
8	13.021	1699	1706	1718	rBV	1078619	1663426	62.86%	7.848%
9	13.863	1843	1849	1854	rBV	121858	172216	6.51%	0.812%
10	14.127	1886	1894	1900	rBV2	22384	41427	1.57%	0.195%
11	14.286	1915	1921	1928	rBV2	22648	34240	1.29%	0.162%
12	14.404	1935	1941	1947	rBV2	356001	539820	20.40%	2.547%
13	14.468	1947	1952	1958	rVB	31606	54781	2.07%	0.258%
14	14.804	2003	2009	2018	rVB2	19196	41940	1.58%	0.198%
15	15.239	2077	2083	2087	rVB2	26266	36151	1.37%	0.171%
16	15.457	2115	2120	2132	rVB2	39603	78448	2.96%	0.370%
17	15.645	2145	2152	2159	rBV7	11678	28988	1.10%	0.137%
18	15.898	2183	2195	2213	rBV	936499	1506761	56.94%	7.109%
19	16.098	2224	2229	2238	rBV5	30626	71563	2.70%	0.338%
20	16.892	2360	2364	2367	rBV3	28295	36901	1.39%	0.174%
21	17.156	2403	2409	2413	rBV2	444416	702408	26.54%	3.314%
22	17.198	2413	2416	2425	rVV	320049	455553	17.21%	2.149%
23	17.286	2426	2431	2438	rVV	78685	124147	4.69%	0.586%
24	17.568	2472	2479	2485	rBV2	23593	56788	2.15%	0.268%
25	17.633	2486	2490	2494	rVB3	27402	33055	1.25%	0.156%
26	17.809	2516	2520	2526	rVB3	24041	31847	1.20%	0.150%
27	18.033	2552	2558	2562	rBV3	91114	149851	5.66%	0.707%
28	18.074	2562	2565	2573	rVB2	46260	77254	2.92%	0.364%
29	18.227	2585	2591	2595	rBV3	93416	154280	5.83%	0.728%
30	18.327	2604	2608	2615	rVB4	30972	56449	2.13%	0.266%
31	18.492	2631	2636	2639	rBV4	17393	32601	1.23%	0.154%
32	18.533	2640	2643	2647	rVB	25541	31187	1.18%	0.147%
33	18.768	2678	2683	2690	rVB8	25104	45220	1.71%	0.213%
34	18.956	2709	2715	2718	rBV3	105155	156335	5.91%	0.738%

LSC Area Percent Report

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Acq On : 14 May 2019 17:17
Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

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-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.992	2718	2721	2728	rVB5	104915	153979	5.82%	0.726%
36	19.121	2741	2743	2750	rVB3	25215	32437	1.23%	0.153%
37	19.215	2754	2759	2765	rBV	644451	913779	34.53%	4.311%
38	19.321	2773	2777	2782	rBV5	36416	69110	2.61%	0.326%
39	19.550	2811	2816	2817	rBV	106102	144842	5.47%	0.683%
40	19.580	2817	2821	2829	rVB	560444	883906	33.40%	4.170%
41	19.786	2850	2856	2863	rBV	2121314	2646364	100.00%	12.485%
42	19.897	2872	2875	2876	rBV3	26899	28488	1.08%	0.134%
43	20.080	2903	2906	2910	rVB	114686	140792	5.32%	0.664%
44	20.180	2919	2923	2927	rBV	83463	119603	4.52%	0.564%
45	20.239	2929	2933	2937	rVV2	104109	139605	5.28%	0.659%
46	20.374	2954	2956	2959	rBV2	31840	37137	1.40%	0.175%
47	20.480	2971	2974	2977	rVB	48415	51790	1.96%	0.244%
48	21.038	3066	3069	3072	rBV3	101703	126393	4.78%	0.596%
49	21.344	3115	3121	3125	rBV2	757996	1381746	52.21%	6.519%
50	21.386	3125	3128	3133	rVB	255907	341831	12.92%	1.613%
51	23.632	3505	3510	3516	rBV	464264	860020	32.50%	4.057%

Sum of corrected areas: 21196541

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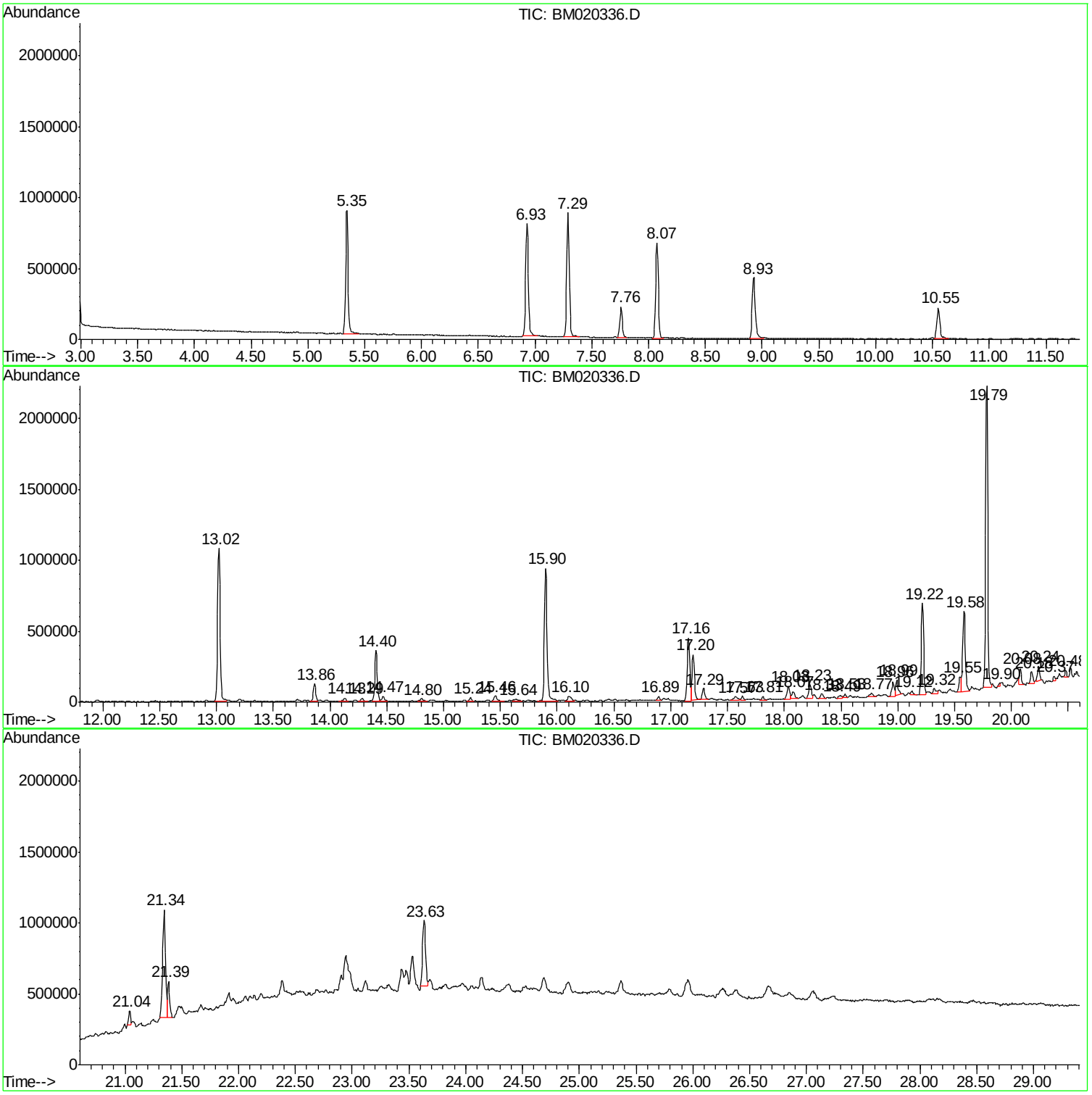
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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Data File : BM020336.D
Acq On : 14 May 2019 17:17
Operator : JU/SJ
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Misc :
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Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

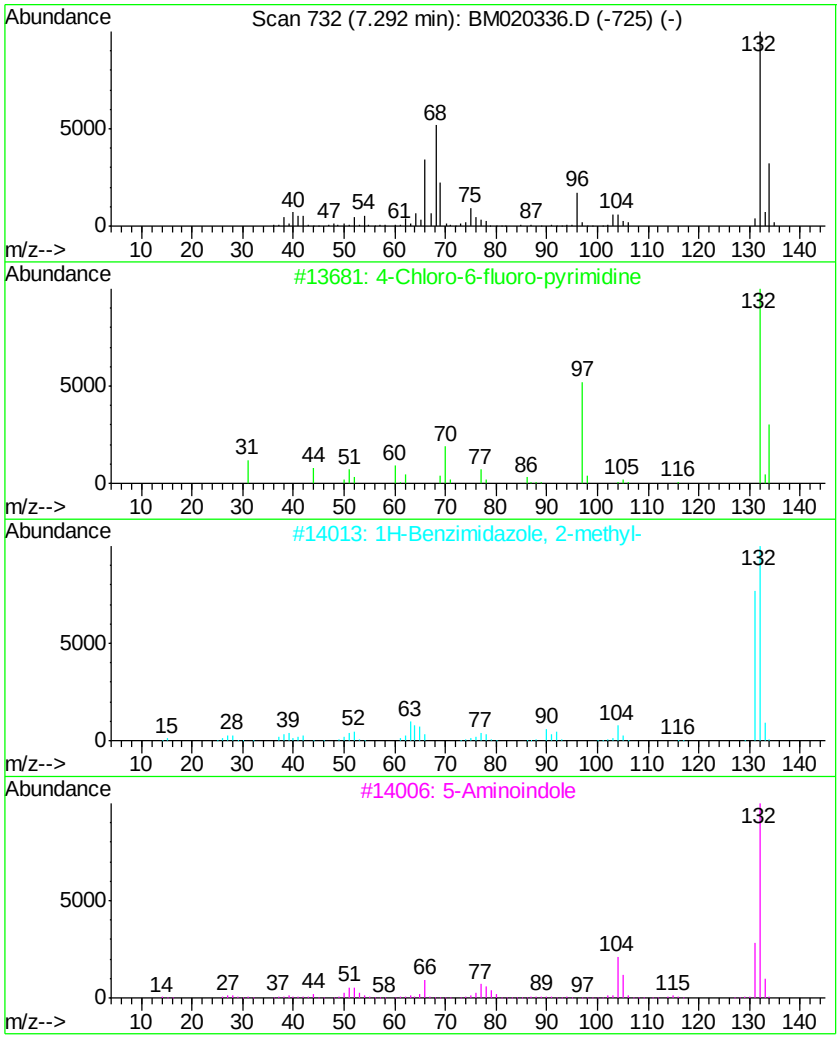
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

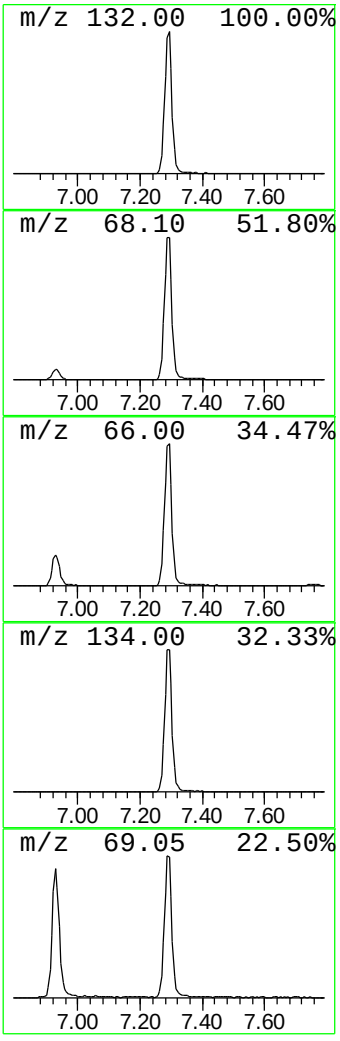
****

Peak Number 1 unknown7.29 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	86.05 ng	1450570	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





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Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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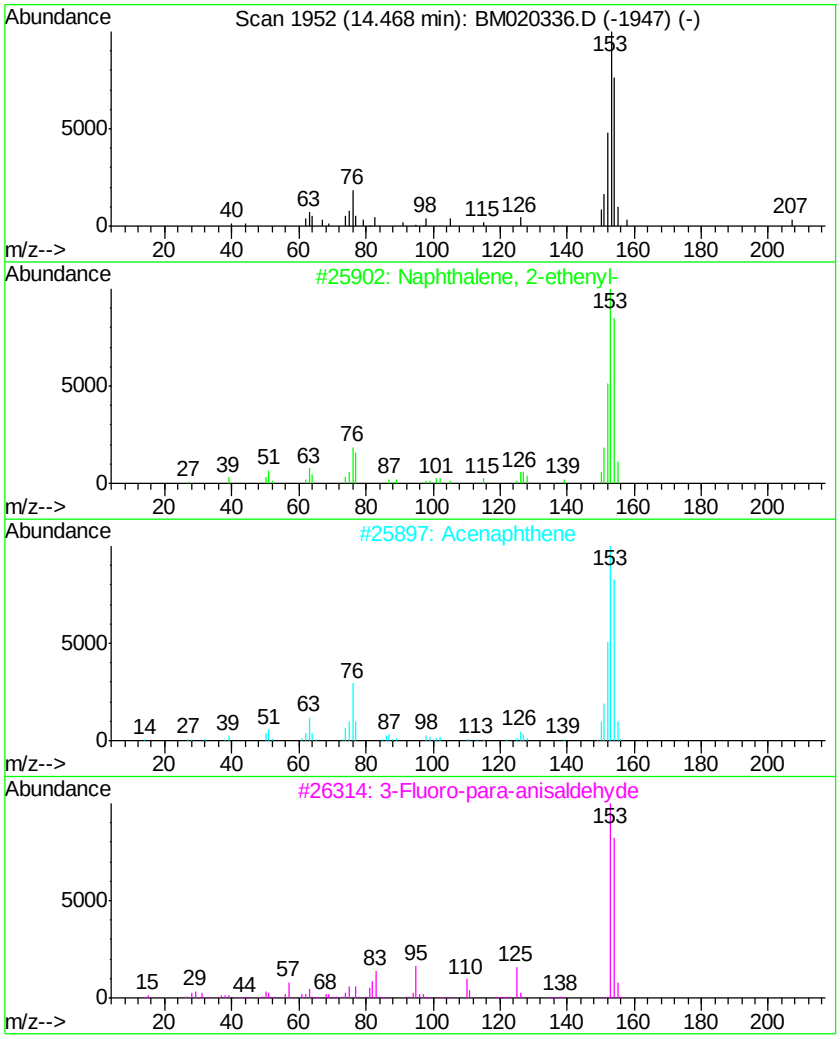
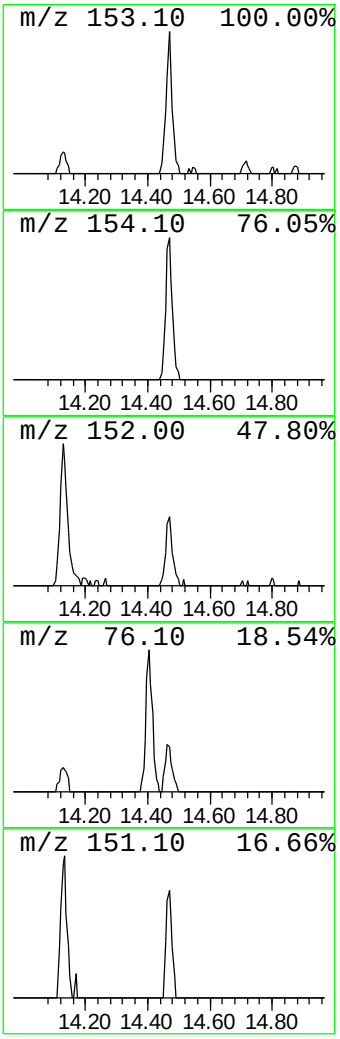
Peak Number 3 Naphthalene, 2-ethenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	2.03 ng	54781	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	64
2	Acenaphthene	154	C12H10	000083-32-9	53
3	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	52
4	2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	50
5	Biphenyl	154	C12H10	000092-52-4	43





Library Search Compound Report

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Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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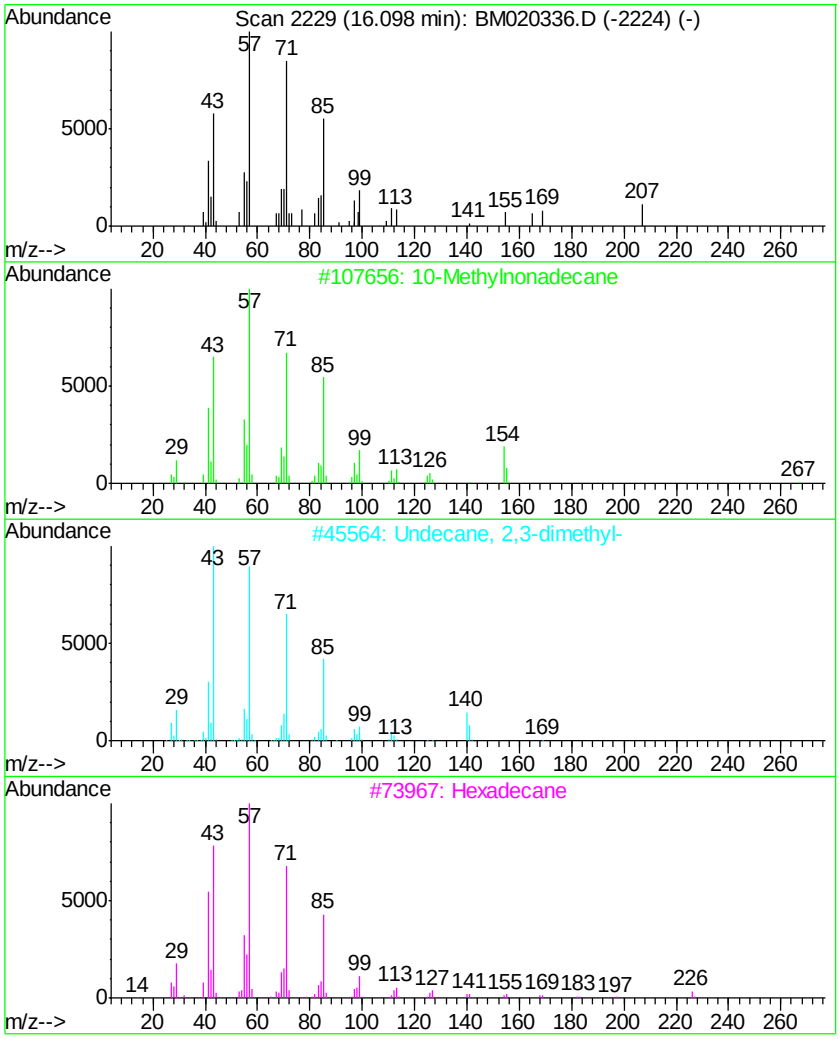
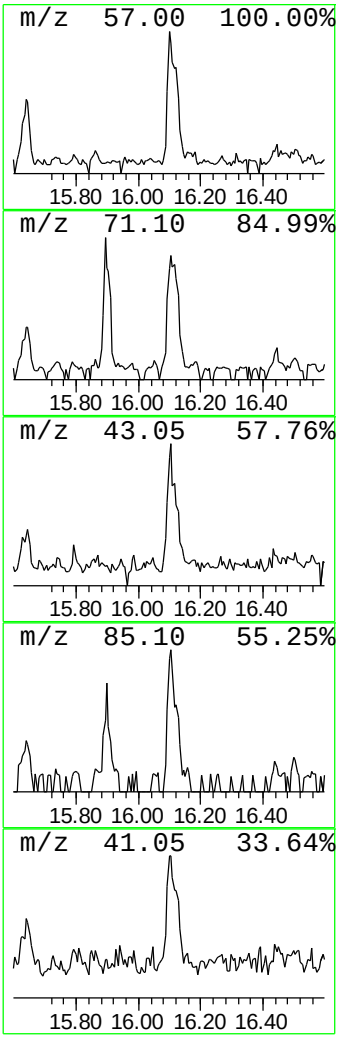
Peak Number 4 10-Methylnonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.04 ng	71563	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	86
2	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	78
3	Hexadecane	226	C16H34	000544-76-3	78
4	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	72
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	64





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

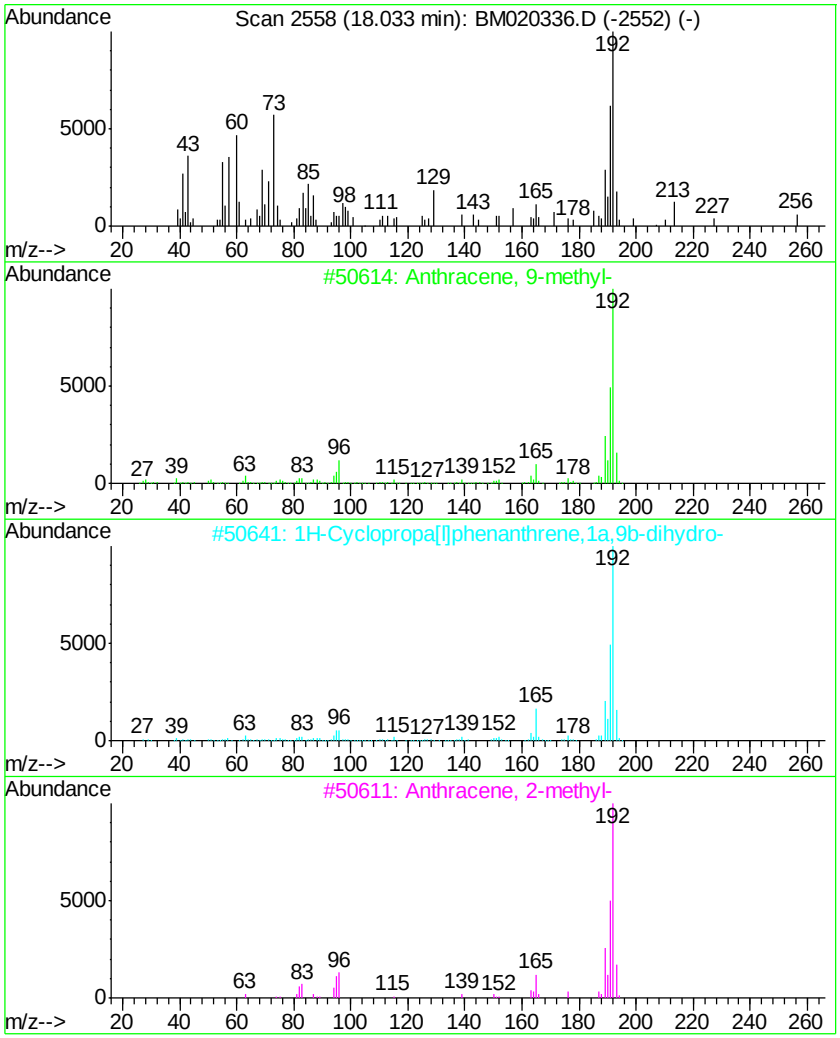
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

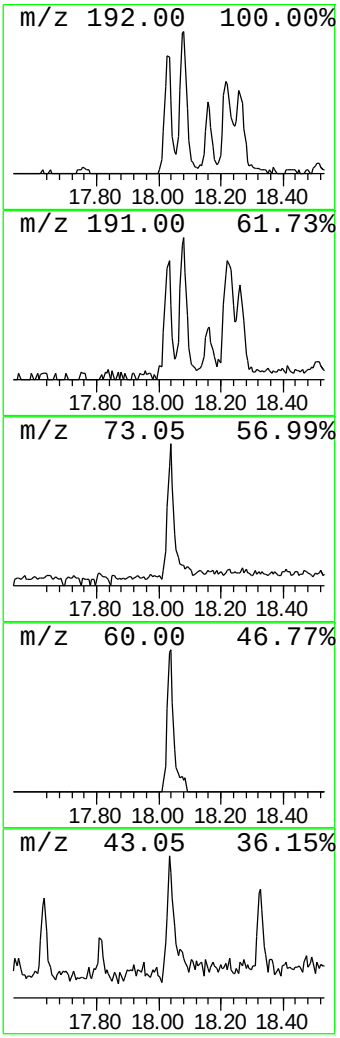
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.27 ng	149851	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	78
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





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Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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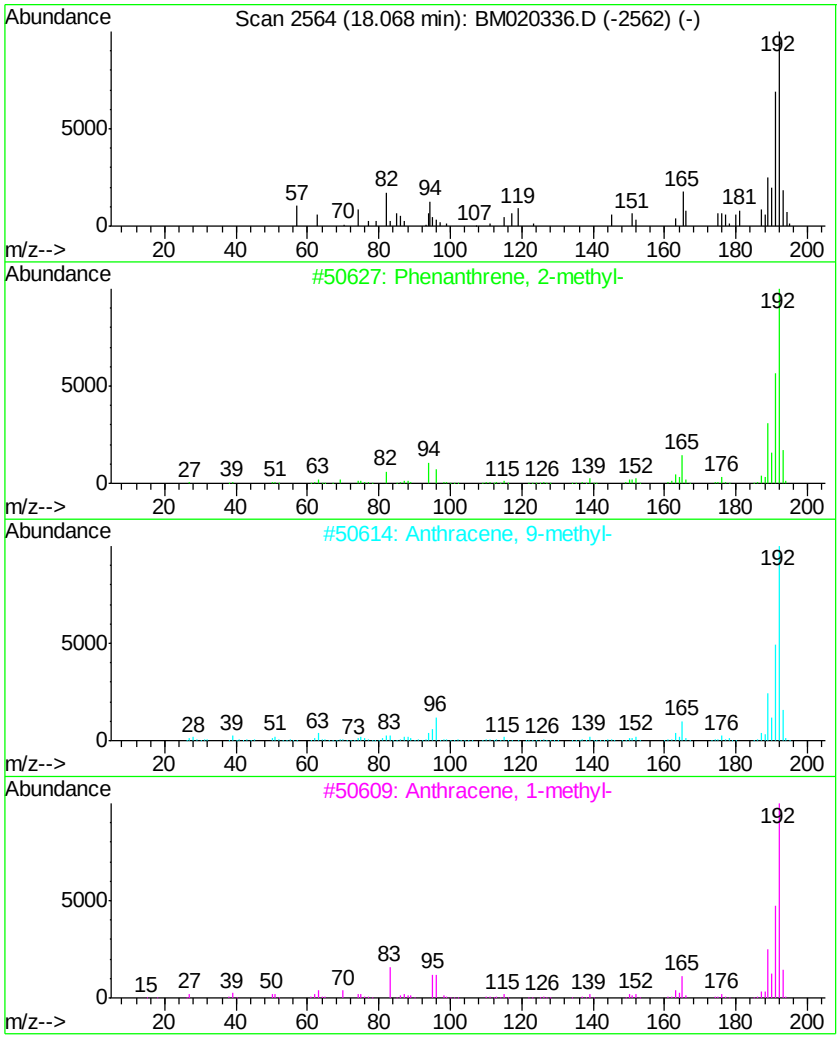
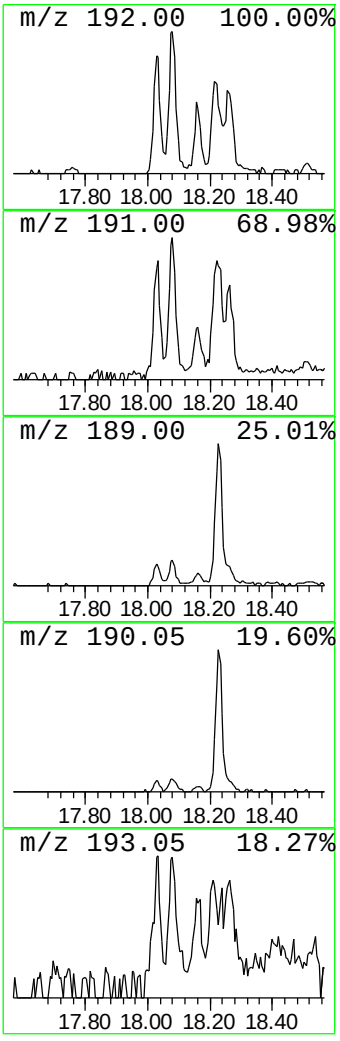
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.20 ng	77254	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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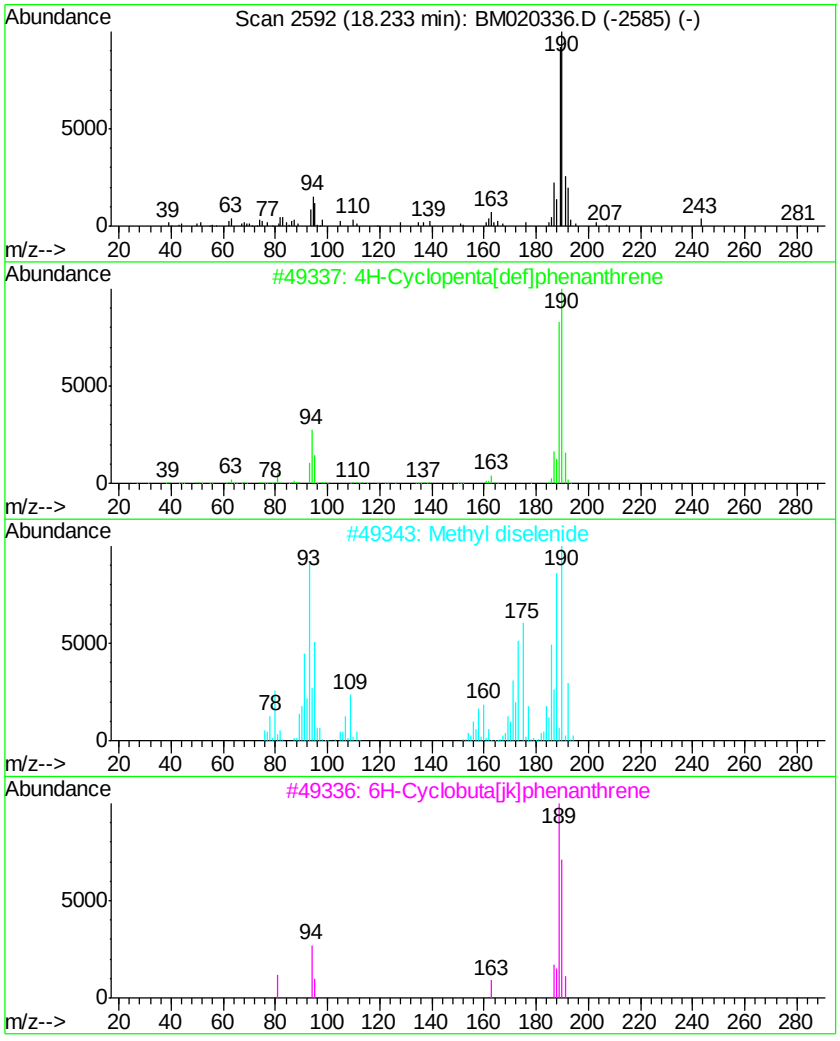
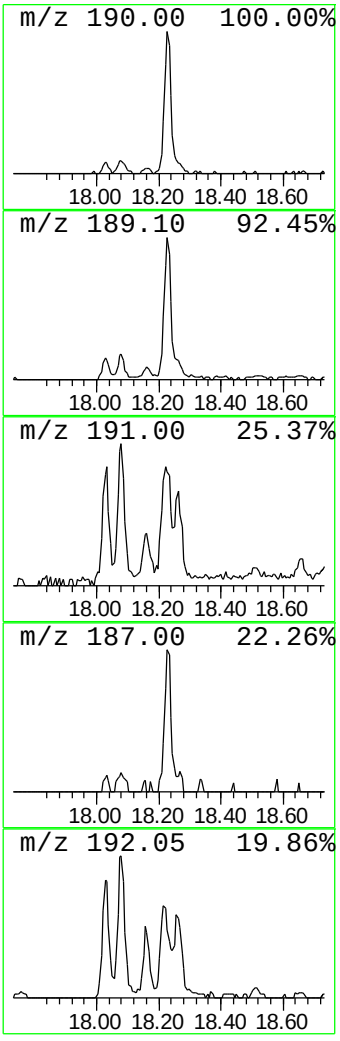
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.39 ng	154280	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	16





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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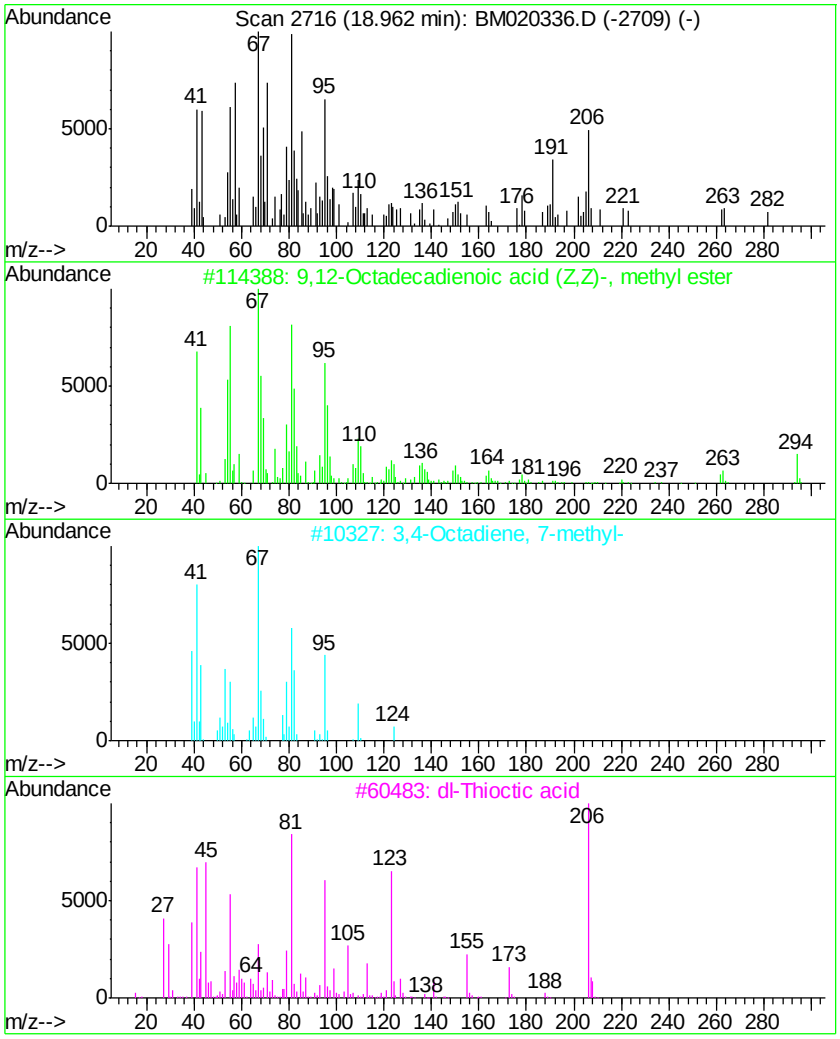
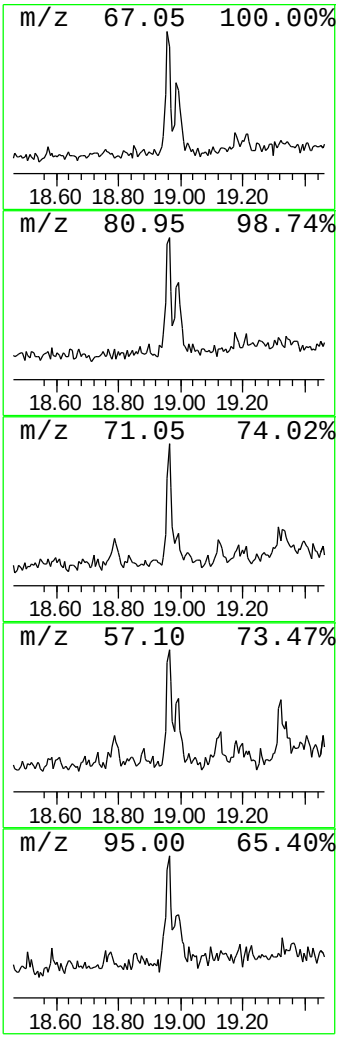
Peak Number 8 9,12-Octadecadienoic acid (... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	4.45 ng	156335	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	56
2	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	50
3	dl-Thioctic acid	206	C8H14O2S2	001077-28-7	41
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	41
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	38





Library Search Compound Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
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TIC Library : C:\DATABASE\NIST02.L
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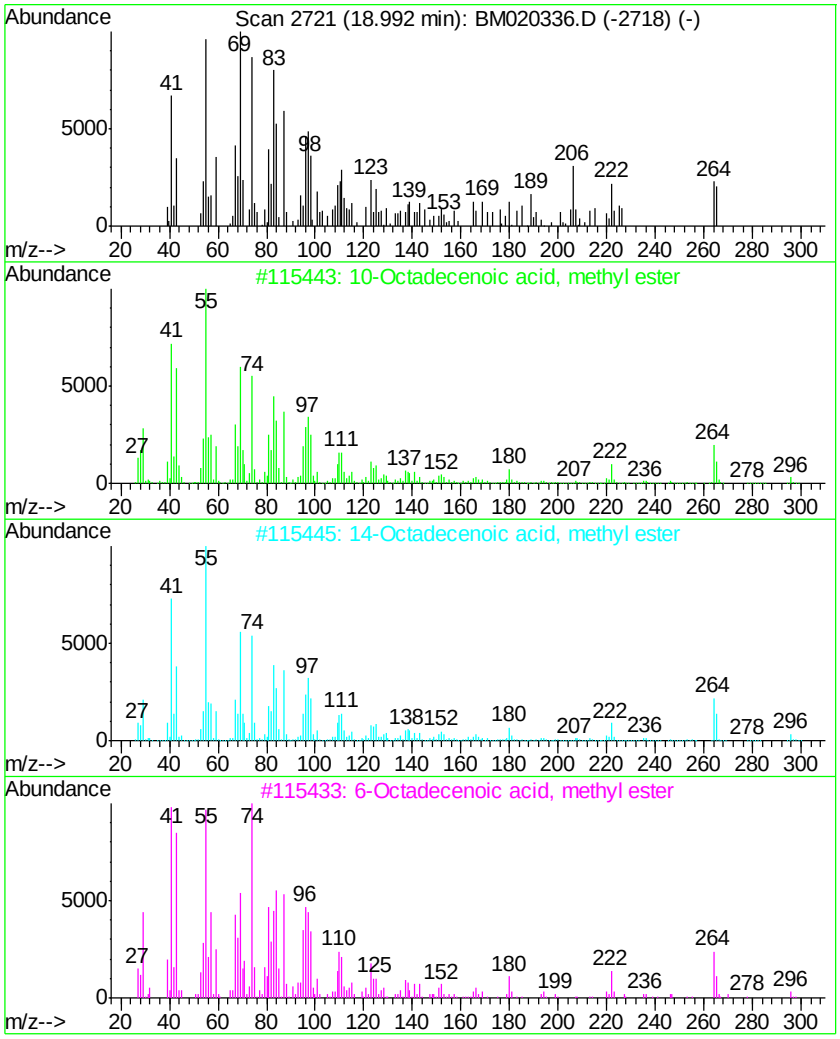
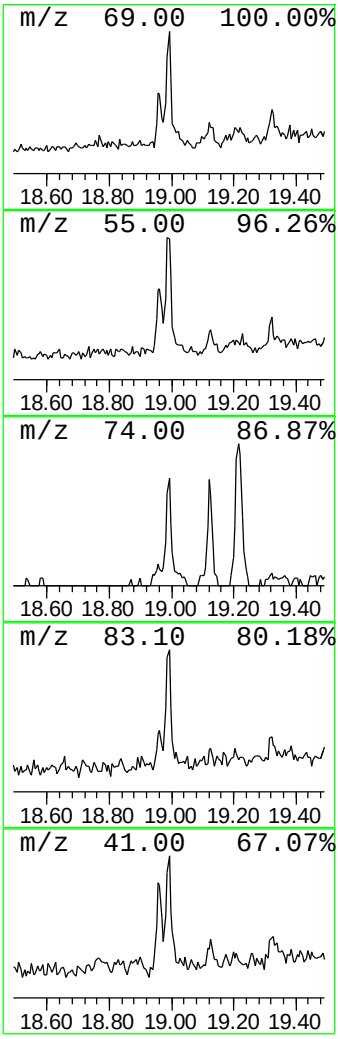
Peak Number 9 10-Octadecenoic acid, methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	4.38 ng	153979	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	83
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	80
3	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	74
4	Cyclopropaneoctanoic acid, 2-hex...	282	C18H34O2	010152-61-1	62
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	58





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Data File : BM020336.D
Acq On : 14 May 2019 17:17
Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

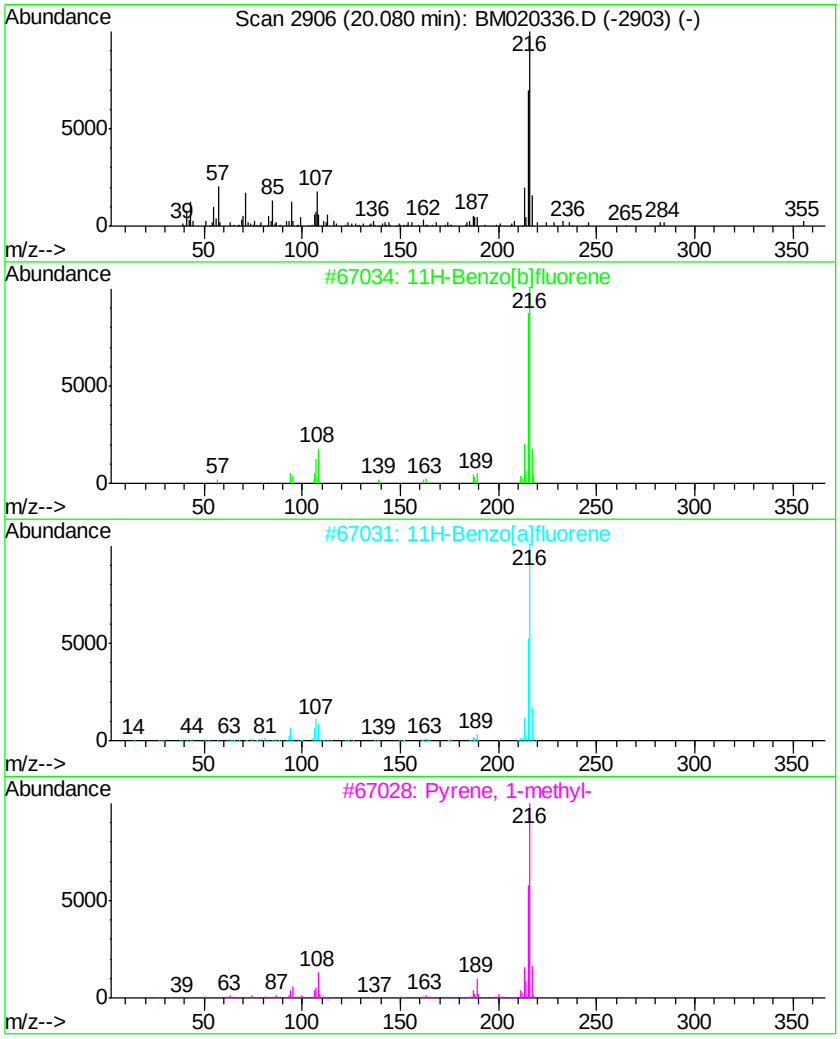
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

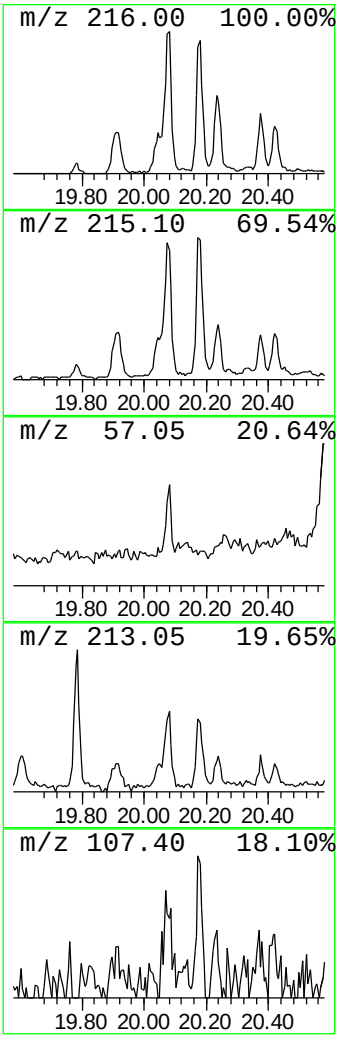
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.04 ng	140792	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
Data File : BM020336.D
Acq On : 14 May 2019 17:17
Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

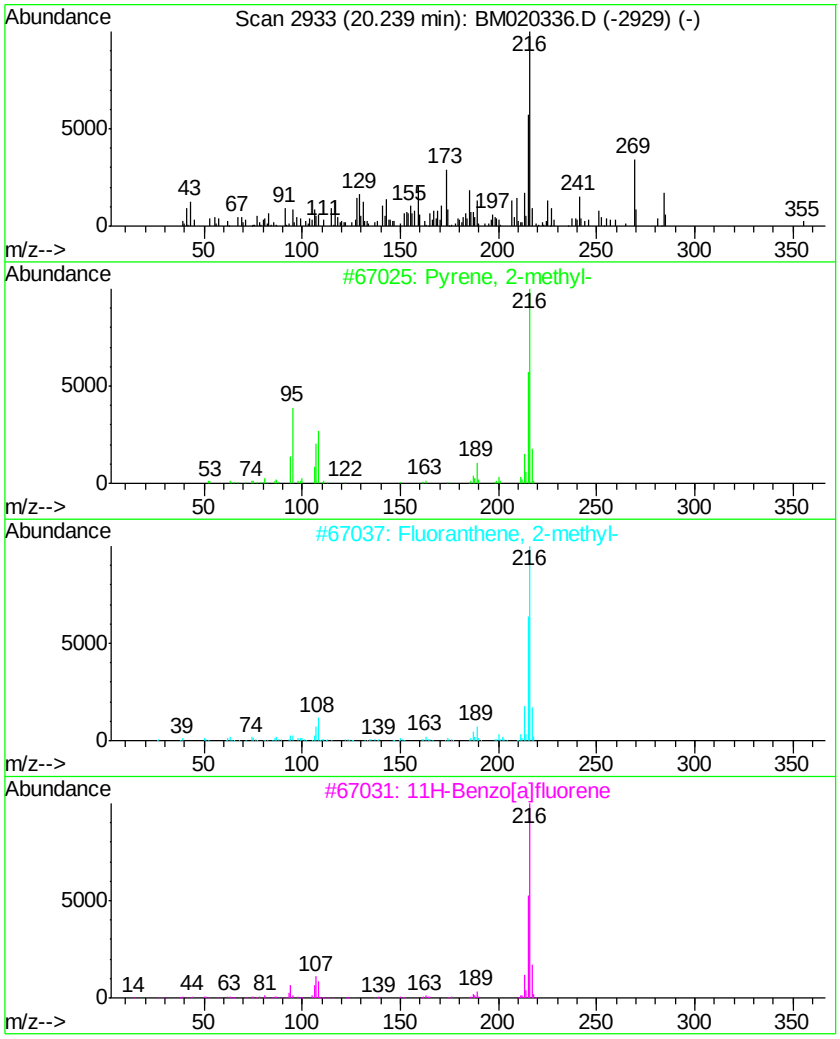
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

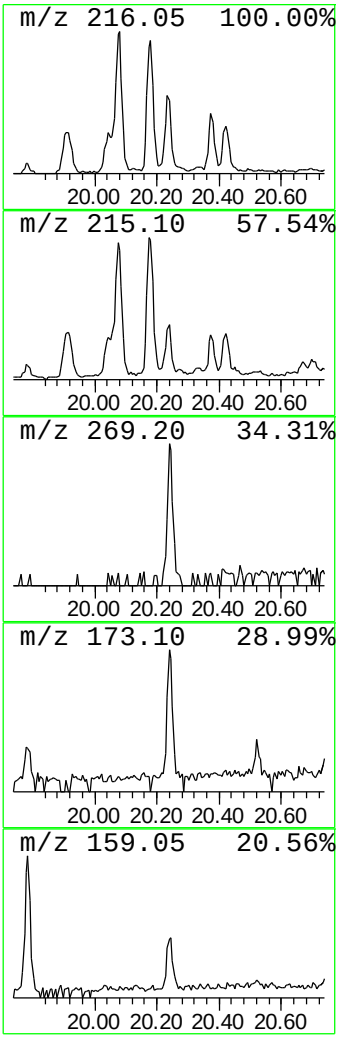
****

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.02 ng	139605	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	46
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46
5	Benzoic acid, 4-(5-formyl-2-fura...	216	C12H8O4	039245-15-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
Data File : BM020336.D
Acq On : 14 May 2019 17:17
Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : FK-GF-02-039-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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
unknown7.29	7.29	86.0	ng	1450570	1	7.76	337155	20.0
Naphthalene, 2-et...	14.47	2.0	ng	54781	3	14.40	539820	20.0
10-Methylnonadecane	16.10	2.0	ng	71563	4	17.16	702408	20.0
Anthracene, 9-met...	18.03	4.3	ng	149851	4	17.16	702408	20.0
Phenanthrene, 2-m...	18.07	2.2	ng	77254	4	17.16	702408	20.0
4H-Cyclopenta[def...	18.23	4.4	ng	154280	4	17.16	702408	20.0
9,12-Octadecadien...	18.96	4.5	ng	156335	4	17.16	702408	20.0
10-Octadecenoic a...	18.99	4.4	ng	153979	4	17.16	702408	20.0
11H-Benzo[b]fluorene	20.08	2.0	ng	140792	5	21.35	1381750	20.0
Pyrene, 2-methyl-	20.24	2.0	ng	139605	5	21.35	1381750	20.0