LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.863	722	727	746	rBV2	92763	268429	3.20%	0.383%
2	7.010	747	752	764	rVV	111475	192853	2.30%	0.276%
3	7.204	779	785	797	rBV	155547	277424	3.31%	0.396%
4	7.657	856	862	877	rBV	484244	869839	10.38%	1.243%
5	8.392	981	987	1005	rBV2	105469	253479	3.02%	0.362%
6	8.828	1056	1061	1071	rBV	127126	262741	3.14%	0.375%
7	9.545	1177	1183	1196	rBV2	91838	205805	2.46%	0.294%
8	10.110	1273	1279	1297	rBV2	100181	308692	3.68%	0.441%
9	10.433	1327	1334	1351	rBV	656856	1204404	14.37%	1.721%
10	10.633	1362	1368	1379	rBV4	28899	86456	1.03%	0.124%
11	13.721	1883	1893	1897	rBV	343375	626894	7.48%	0.896%
12	13.768	1897	1901	1915	rVB	145378	260813	3.11%	0.373%
13	13.992	1933	1939	1942	rBV	424347	701178	8.37%	1.002%
14	14.021	1942	1944	1954	rVV	294628	466523	5.57%	0.666%
15	14.298	1985	1991	1999	rBV	1042837	1532816	18.29%	2.190%
16	15.298	2156	2161	2168	rBV	543307	844655	10.08%	1.207%
17	15.474	2185	2191	2196	rBV2	82574	151776	1.81%	0.217%
18	16.009	2277	2282	2283	rBV2	86898	111846	1.33%	0.160%
19	17.051	2454	2459	2464	rBV2	1242644	1842685	21.99%	2.632%
20	17.098	2464	2467	2471	rVB	137954	186473	2.23%	0.266%
21	17.151	2471	2476	2480	rBV2	585080	931260	11.11%	1.330%
22	17.192	2480	2483	2488	rVB	549226	752725	8.98%	1.075%
23	17.539	2538	2542	2546	rVB2	93379	112373	1.34%	0.161%
24	17.939	2606	2610	2613	rBV3	56780	91526	1.09%	0.131%
25	17.980	2614	2617	2621	rVB2	70873	91996	1.10%	0.131%
26	18.062	2627	2631	2637	rVB	187489	250951	2.99%	0.359%
27	18.127	2638	2642	2655	rVB3	85289	224033	2.67%	0.320%
28	18.233	2656	2660	2666	rBV2	100169	144553	1.73%	0.207%
29	18.856	2760	2766	2772	rBV2	195231	484652	5.78%	0.692%
30	19.121	2805	2811	2818	rBV	997729	1403398	16.75%	2.005%
31	19.274	2833	2837	2844	rBV	149394	215557	2.57%	0.308%
32	19.456	2863	2868	2870	rBV	1088727	1574446	18.79%	2.249%
33	19.486	2870	2873	2881	rVV	1032866	1504217	17.95%	2.149%
34	19.562	2882	2886	2892	rVB	173414	285149	3.40%	0.407%

LSC Area Percent Report

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Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

35	19.668	2902	2904	2909	rVB2	126481	161097	1.92%	0.230%
36	19.809	2923	2928	2937	rBV4	271495	694742	8.29%	0.993%
37	19.986	2947	2958	2963	rVB2	637758	1416785	16.91%	2.024%
38	20.086	2971	2975	2978	rBV2	406387	532582	6.36%	0.761%
39	20.139	2979	2984	2988	rVV2	325527	588360	7.02%	0.841%
40	20.280	3004	3008	3012	rBV2	377033	559564	6.68%	0.799%
41	20.427	3030	3033	3039	rBV3	102569	233197	2.78%	0.333%
42	20.486	3040	3043	3047	rVB4	160921	205535	2.45%	0.294%
43	20.692	3075	3078	3082	rBV2	186431	272947	3.26%	0.390%
44	20.739	3082	3086	3091	rVV2	395835	603044	7.20%	0.862%
45	20.897	3110	3113	3117	rBV	476161	587966	7.02%	0.840%
46	20.933	3117	3119	3124	rVV2	268026	466254	5.56%	0.666%
47	20.980	3124	3127	3131	rVV2	284819	402569	4.80%	0.575%
48	21.044	3135	3138	3142	rVB	259779	296178	3.53%	0.423%
49	21.244	3166	3172	3177	rBV2	2868871	6669226	79.59%	9.528%
50	21.291	3177	3180	3189	rVB	3014191	3869778	46.18%	5.528%
51	21.409	3197	3200	3203	rBV	240045	281660	3.36%	0.402%
52	21.562	3223	3226	3232	rVB2	274030	407127	4.86%	0.582%
53	21.803	3260	3267	3271	rBV	789254	1426206	17.02%	2.038%
54	21.850	3272	3275	3282	rVB	414399	527777	6.30%	0.754%
55	21.997	3297	3300	3303	rBV2	393594	546005	6.52%	0.780%
56	22.568	3393	3397	3402	rBV3	378844	658375	7.86%	0.941%
57	22.821	3433	3440	3445	rBV	3696580	8379813	100.00%	11.972%
58	22.985	3464	3468	3473	rVB	658043	994303	11.87%	1.420%
59	23.291	3514	3520	3525	rBV	2318080	4218092	50.34%	6.026%
60	23.385	3531	3536	3544	rVB	2592626	4689734	55.96%	6.700%
61	23.480	3547	3552	3557	rVV	1248116	2477428	29.56%	3.539%
62	23.532	3557	3561	3568	rVB2	879223	1650245	19.69%	2.358%
63	25.715	3923	3932	3941	rVB	1576898	4361767	52.05%	6.231%
64	26.403	4041	4049	4060	rVB	1005983	3096630	36.95%	4.424%

Sum of corrected areas: 69997603

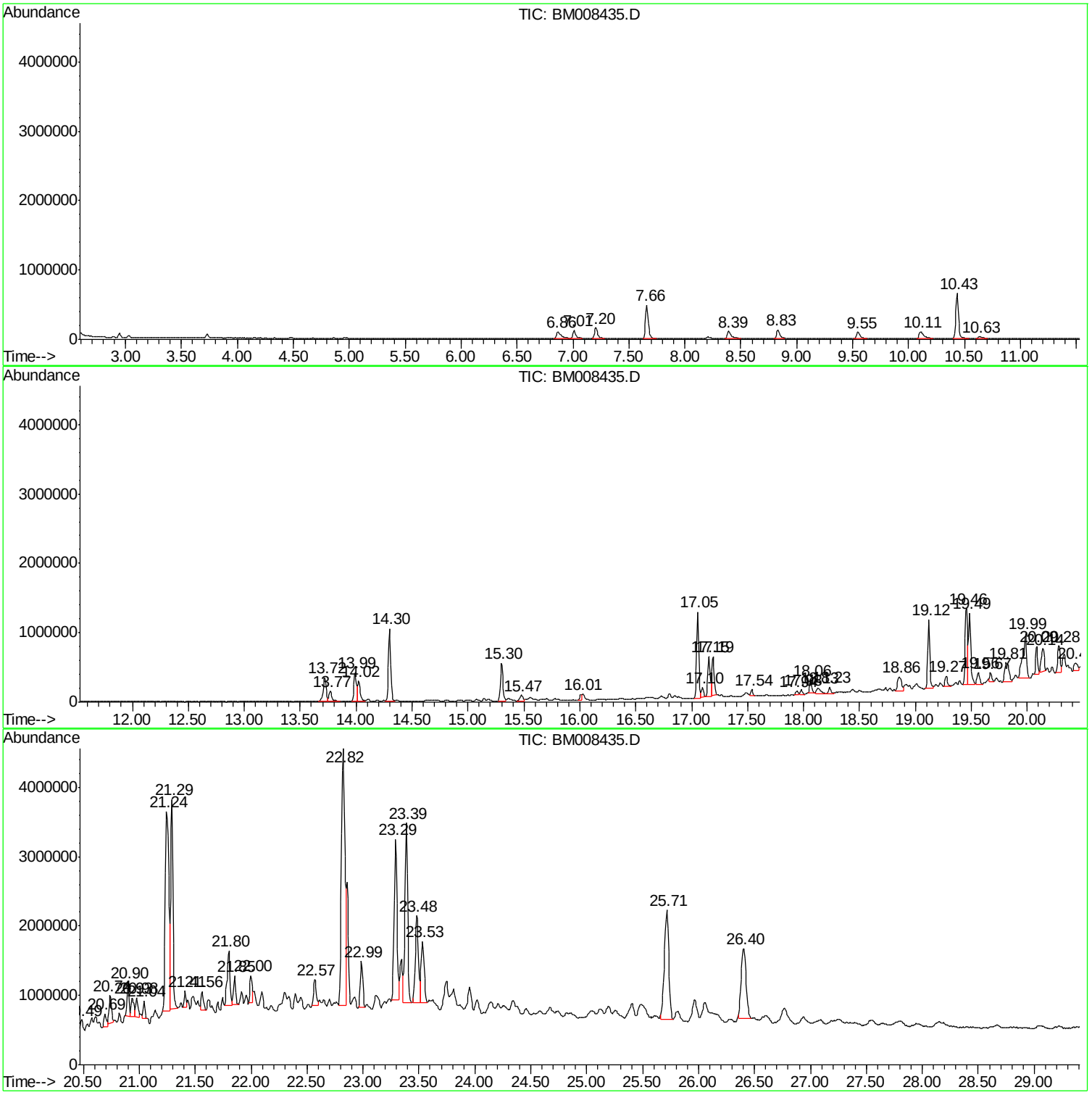
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

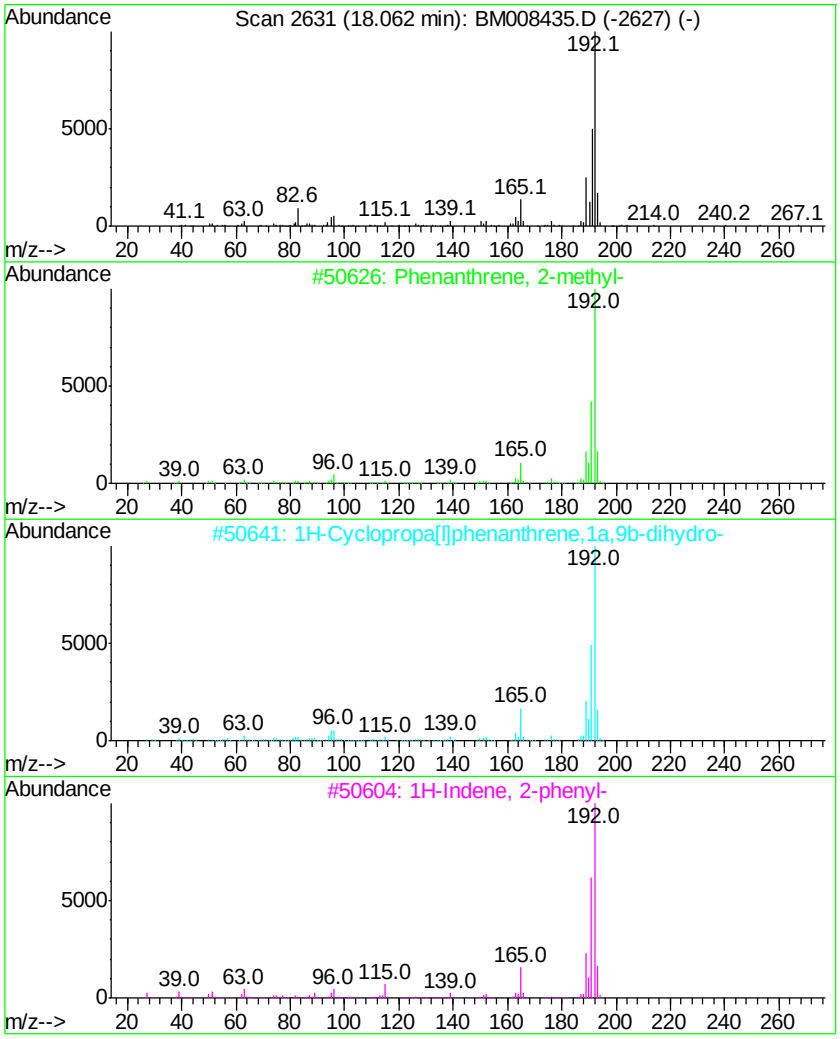
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

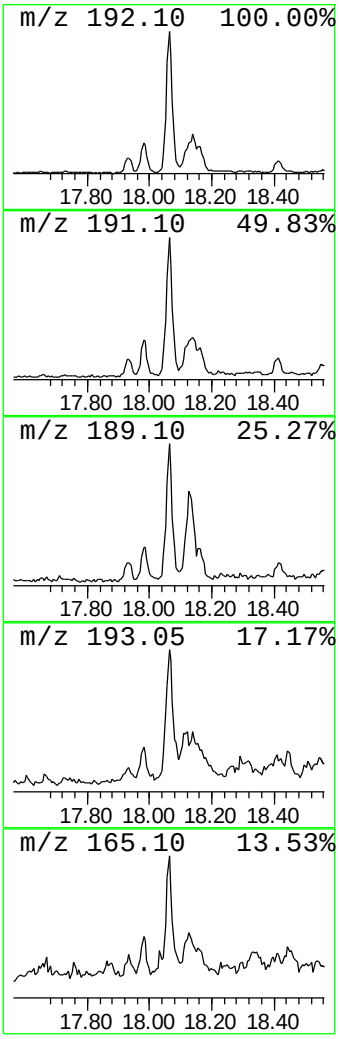
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.72 ng/ul	250951	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

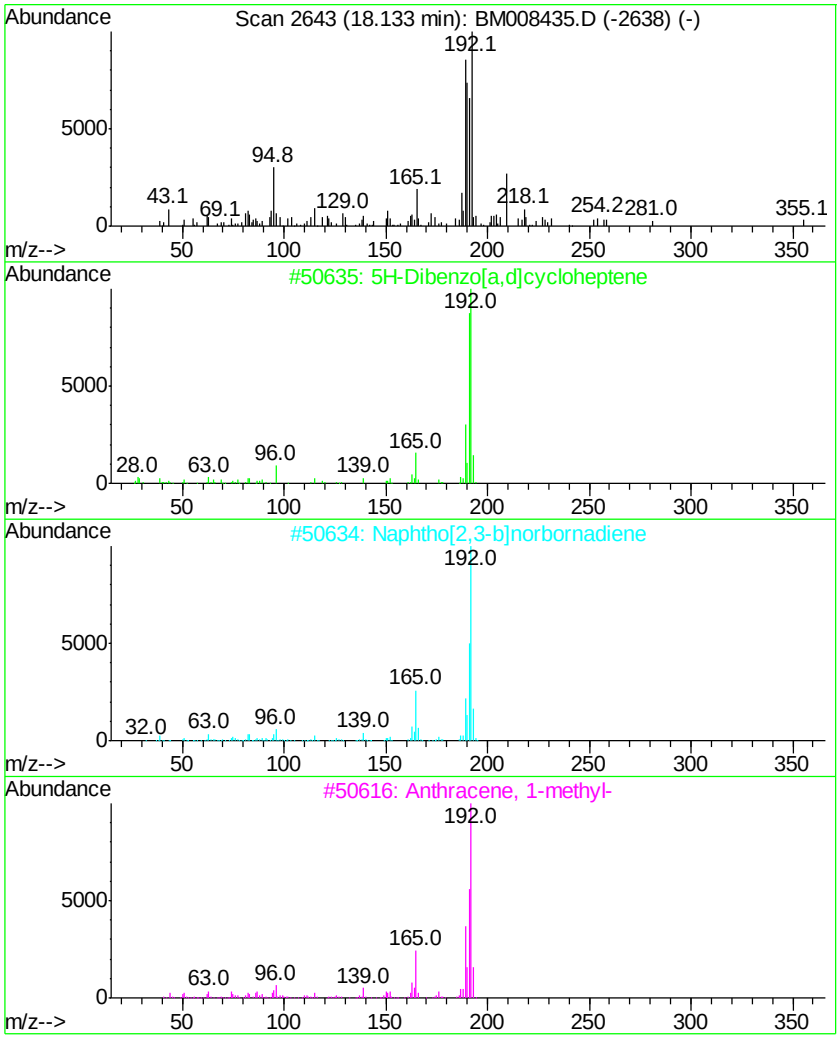
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

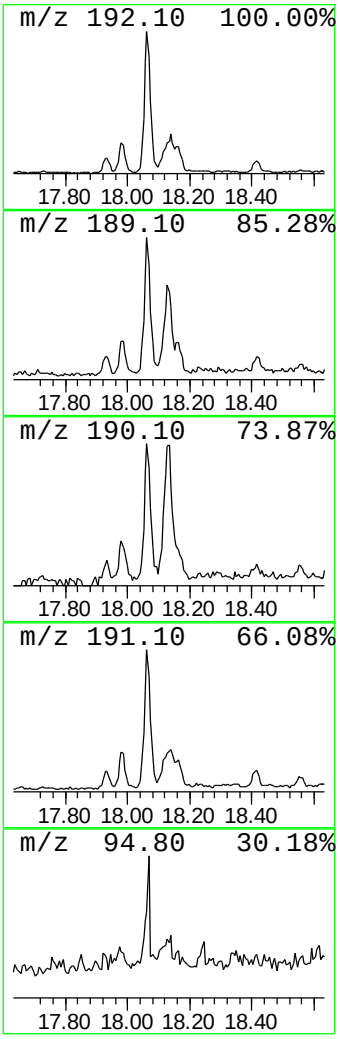
****

Peak Number 2 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.43 ng/ul	224033	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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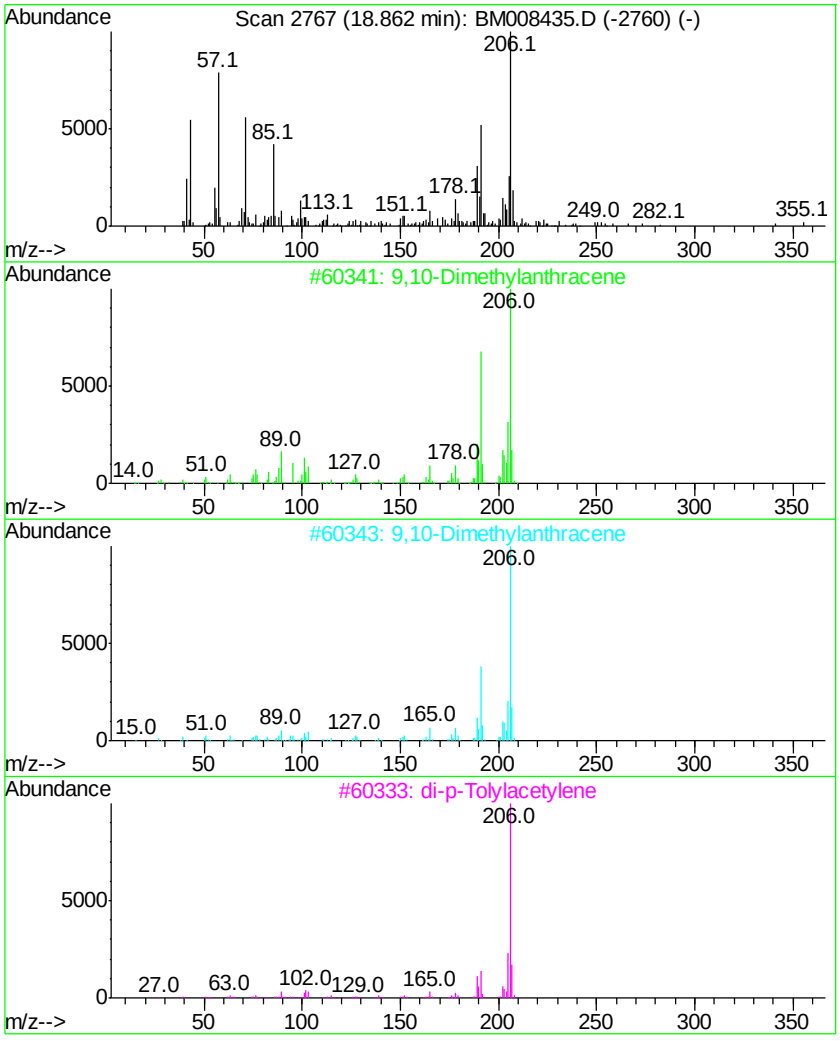
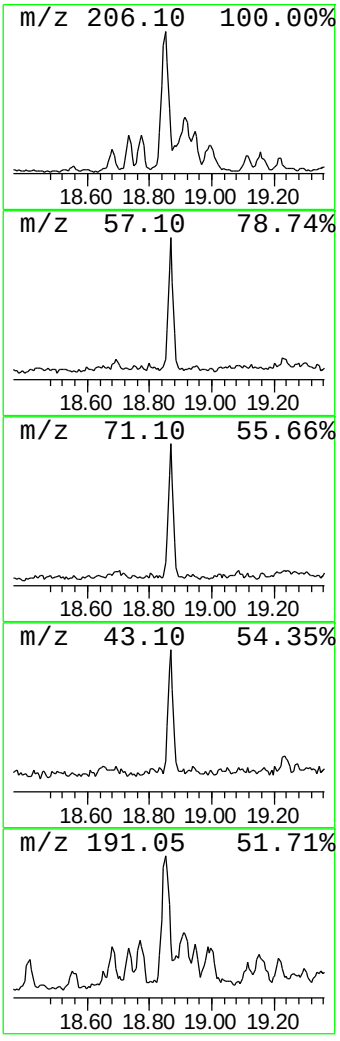
Peak Number 3 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.26 ng/ul	484652	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

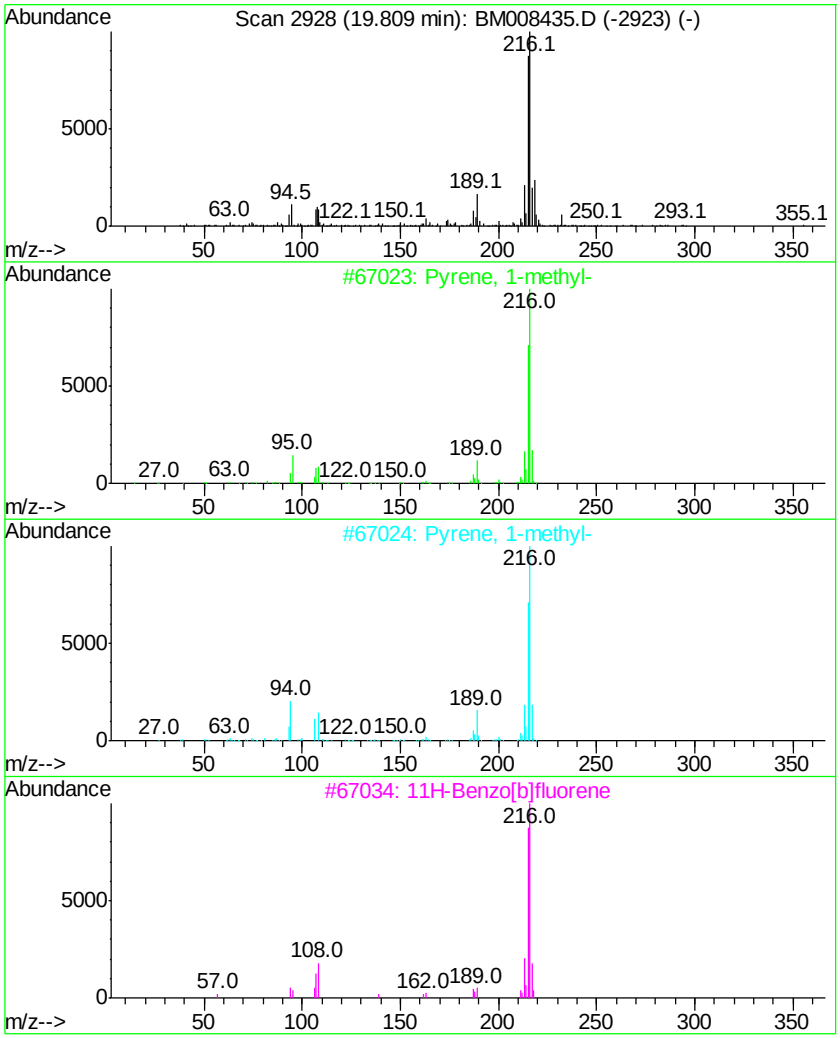
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

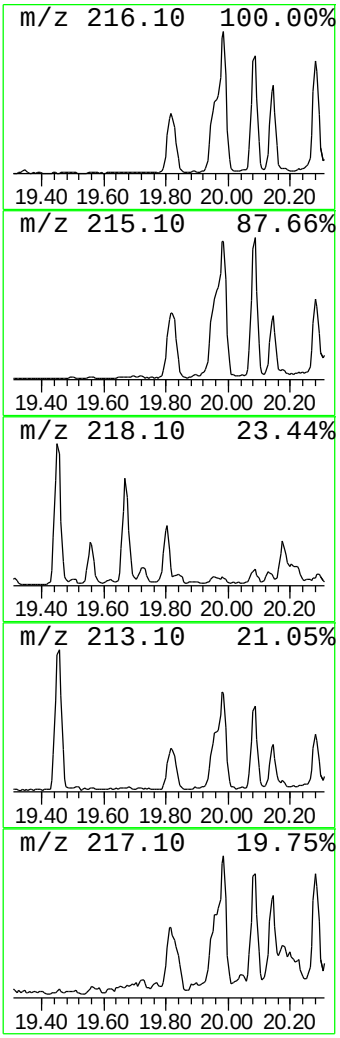
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.08 ng/ul	694742	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

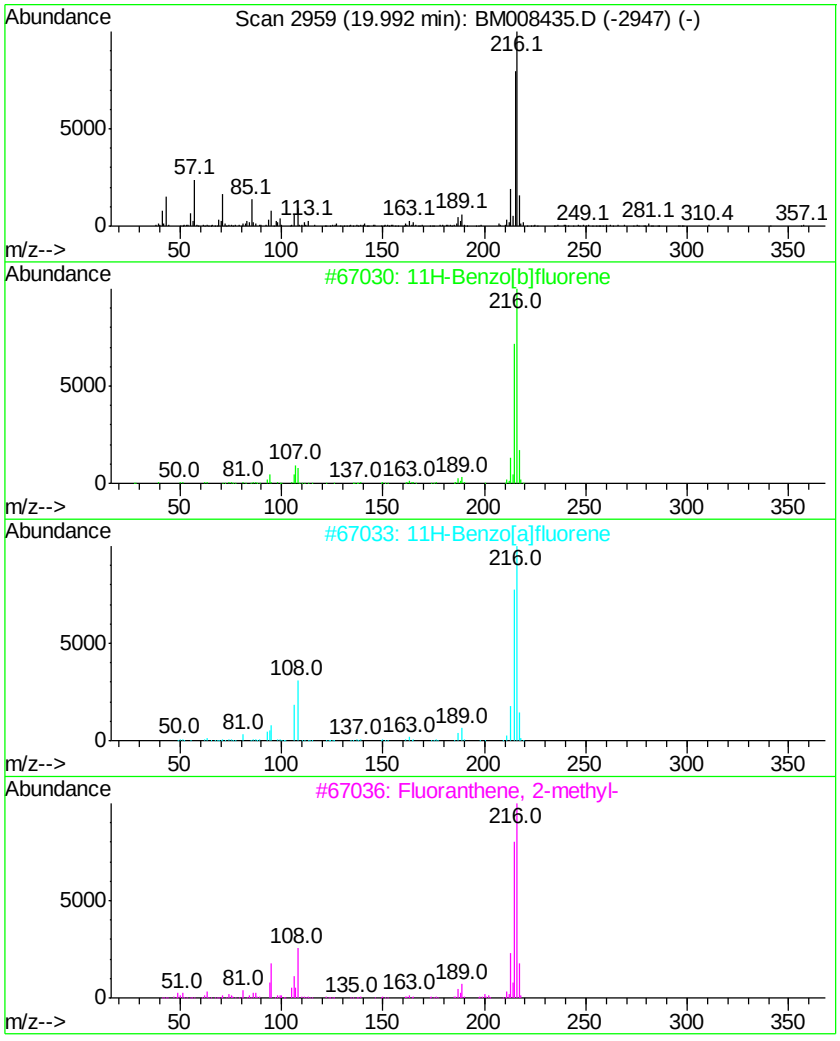
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

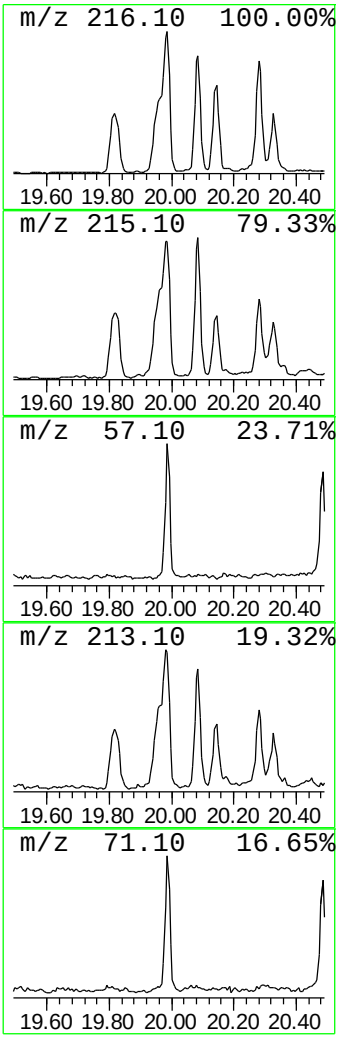
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.25 ng/ul	1416790	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

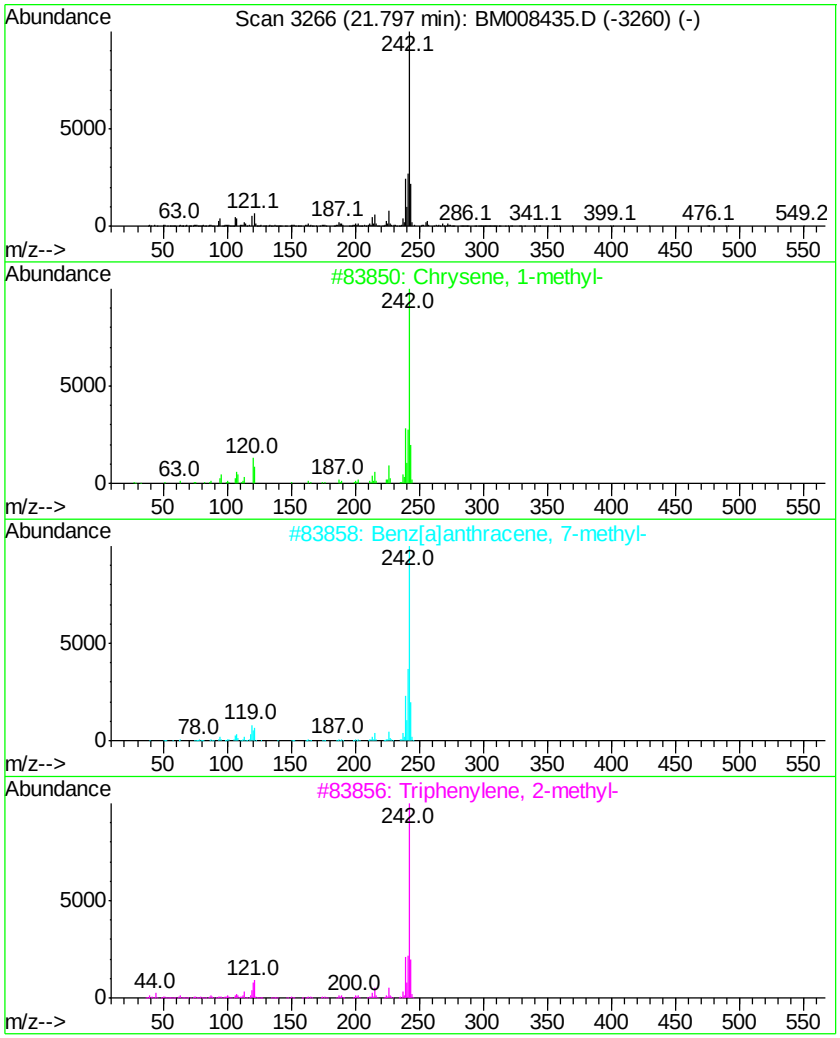
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

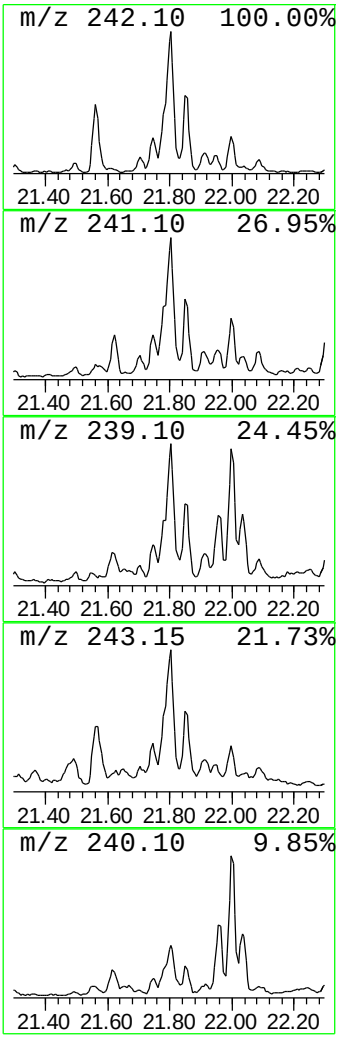
****

Peak Number 6 Chrysene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	4.28 ng/ul	1426210	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

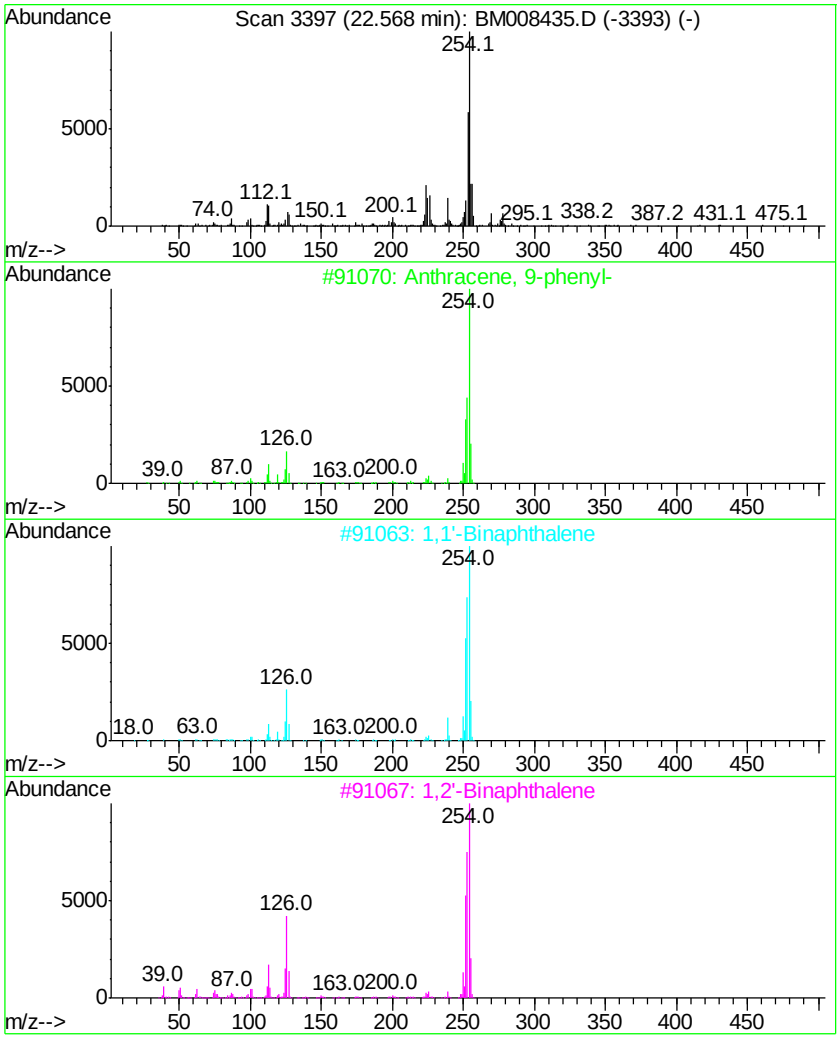
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

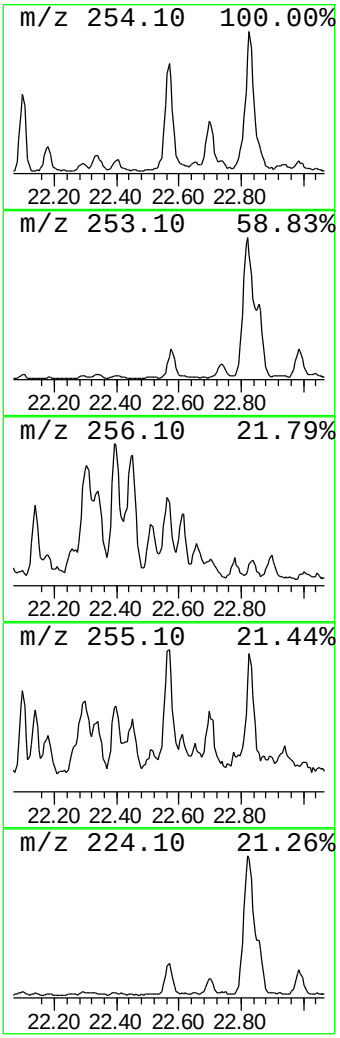
****

Peak Number 7 Anthracene, 9-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	5.31 ng/ul	658375	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	70
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	62
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA 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
Phenanthrene, 2-m...	18.06	2.7	ng/ul	250951	4	17.05	1842690	20.0
unknown-01	18.13	2.4	ng/ul	224033	4	17.05	1842690	20.0
9,10-Dimethylanth...	18.86	5.3	ng/ul	484652	4	17.05	1842690	20.0
Pyrene, 1-methyl-	19.81	2.1	ng/ul	694742	5	21.26	6669230	20.0
11H-Benzo[b]fluorene	19.99	4.3	ng/ul	1416790	5	21.26	6669230	20.0
Chrysene, 1-methyl-	21.80	4.3	ng/ul	1426210	5	21.26	6669230	20.0
Anthracene, 9-phe...	22.57	5.3	ng/ul	658375	6	23.48	2477430	20.0