LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

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-BM071416.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	7.616	848	855	866	rBV	546511	900448	13.93%	1.379%
2	10.392	1318	1327	1334	rBV	713989	1280381	19.81%	1.961%
3	13.722	1889	1893	1902	rVB3	39534	70170	1.09%	0.107%
4	13.986	1927	1938	1947	rBV2	171461	348889	5.40%	0.534%
5	14.269	1978	1986	1992	rBV2	987058	1632060	25.25%	2.499%
6	14.327	1992	1996	2008	rVB	528687	787995	12.19%	1.207%
7	14.669	2047	2054	2062	rBV	72254	110690	1.71%	0.169%
8	15.263	2150	2155	2160	rBV	89041	118428	1.83%	0.181%
9	15.316	2160	2164	2176	rVB	96905	165261	2.56%	0.253%
10	15.616	2210	2215	2229	rVB	101978	174111	2.69%	0.267%
11	15.763	2230	2240	2249	rVB2	103065	253773	3.93%	0.389%
12	16.327	2326	2336	2341	rBV2	85349	192646	2.98%	0.295%
13	16.468	2355	2360	2366	rVB2	52645	87383	1.35%	0.134%
14	16.551	2366	2374	2378	rBV2	48991	94068	1.46%	0.144%
15	16.674	2392	2395	2402	rVB4	37885	66075	1.02%	0.101%
16	16.745	2402	2407	2415	rVV3	53774	120322	1.86%	0.184%
17	16.833	2417	2422	2431	rVB	100066	168942	2.61%	0.259%
18	17.015	2446	2453	2457	rBV	1314511	2039151	31.55%	3.122%
19	17.057	2457	2460	2466	rVV	950445	1342244	20.77%	2.055%
20	17.115	2466	2470	2471	rVV2	95227	127993	1.98%	0.196%
21	17.145	2471	2475	2481	rVV	847109	1269415	19.64%	1.944%
22	17.204	2481	2485	2491	rVB2	45803	82407	1.28%	0.126%
23	17.533	2537	2541	2548	rBV	68707	105415	1.63%	0.161%
24	17.598	2548	2552	2561	rVB3	46467	99781	1.54%	0.153%
25	17.892	2596	2602	2606	rBV	334292	483012	7.47%	0.740%
26	17.939	2606	2610	2617	rVB	222676	326396	5.05%	0.500%
27	18.021	2617	2624	2629	rBV	210509	329976	5.11%	0.505%
28	18.086	2629	2635	2639	rVV2	777252	1302157	20.15%	1.994%
29	18.121	2639	2641	2648	rVB	193896	235760	3.65%	0.361%
30	18.398	2683	2688	2694	rVB	269818	372139	5.76%	0.570%
31	18.645	2725	2730	2734	rVB	64699	79370	1.23%	0.122%
32	18.692	2734	2738	2742	rBV	67238	87118	1.35%	0.133%
33	18.733	2742	2745	2749	rVB	60409	75178	1.16%	0.115%
34	18.815	2753	2759	2764	rBV2	149121	303404	4.69%	0.465%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

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-BM071416.M
Title : SVOA CALIBRATION

35	18.880	2764	2770	2773	rBV4	108693	174450	2.70%	0.267%
36	18.956	2779	2783	2785	rBV2	53821	78642	1.22%	0.120%
37	19.086	2798	2805	2811	rBV	4410008	6319860	97.79%	9.677%
38	19.145	2811	2815	2819	rVV	62688	89499	1.38%	0.137%
39	19.186	2819	2822	2825	rVB3	54376	67866	1.05%	0.104%
40	19.233	2825	2830	2835	rBV	444391	588509	9.11%	0.901%
41	19.327	2841	2846	2855	rVB3	136665	270787	4.19%	0.415%
42	19.415	2855	2861	2863	rBV3	883401	1319249	20.41%	2.020%
43	19.445	2863	2866	2875	rVV	3289785	4850879	75.06%	7.428%
44	19.521	2875	2879	2886	rVB3	176273	294533	4.56%	0.451%
45	19.627	2891	2897	2904	rBV	249190	355984	5.51%	0.545%
46	19.768	2916	2921	2929	rBV3	238387	605483	9.37%	0.927%
47	19.909	2940	2945	2947	rBV2	187217	305516	4.73%	0.468%
48	19.945	2947	2951	2957	rVB	936776	1325104	20.50%	2.029%
49	20.045	2963	2968	2973	rVV	997561	1365765	21.13%	2.091%
50	20.103	2973	2978	2982	rVV2	346924	600491	9.29%	0.919%
51	20.145	2982	2985	2989	rVV2	94671	134725	2.08%	0.206%
52	20.198	2989	2994	2998	rVV3	113973	239481	3.71%	0.367%
53	20.245	2998	3002	3005	rVV	180014	266109	4.12%	0.407%
54	20.292	3005	3010	3018	rVB2	234407	444095	6.87%	0.680%
55	20.474	3037	3041	3044	rBV	70236	85402	1.32%	0.131%
56	20.539	3049	3052	3055	rVV	93815	127464	1.97%	0.195%
57	20.568	3055	3057	3062	rVB	88683	112893	1.75%	0.173%
58	20.656	3067	3072	3076	rBV	151787	267269	4.14%	0.409%
59	20.703	3077	3080	3086	rVB5	80230	142568	2.21%	0.218%
60	20.862	3103	3107	3110	rBV	289379	353935	5.48%	0.542%
61	20.898	3110	3113	3117	rVV	293370	357974	5.54%	0.548%
62	20.939	3117	3120	3125	rVB2	205790	300372	4.65%	0.460%
63	21.103	3141	3148	3153	rBV	122970	259481	4.02%	0.397%
64	21.209	3156	3166	3171	rVV2	2948612	6462705	100.00%	9.896%
65	21.250	3171	3173	3183	rVB	1705229	2118381	32.78%	3.244%
66	21.368	3189	3193	3198	rBV	353687	484982	7.50%	0.743%
67	21.421	3199	3202	3207	rVV	152556	236585	3.66%	0.362%
68	21.480	3209	3212	3215	rVB	155542	181091	2.80%	0.277%
69	21.527	3215	3220	3225	rBV2	198607	349217	5.40%	0.535%
70	21.703	3247	3250	3253	rBV	95033	133507	2.07%	0.204%
71	21.756	3253	3259	3264	rVV	366839	748131	11.58%	1.146%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

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-BM071416.M
Title : SVOA CALIBRATION

72	21.809	3265	3268	3272	rVV2	189821	257837	3.99%	0.395%
73	21.880	3275	3280	3282	rVV3	106055	195125	3.02%	0.299%
74	21.909	3282	3285	3289	rVV2	266140	413728	6.40%	0.634%
75	21.950	3289	3292	3295	rVV2	232570	376654	5.83%	0.577%
76	21.986	3295	3298	3304	rVV2	346419	527160	8.16%	0.807%
77	22.050	3304	3309	3318	rVB4	139448	282403	4.37%	0.432%
78	22.244	3339	3342	3345	rBV2	72173	117970	1.83%	0.181%
79	22.521	3384	3389	3398	rBV3	96448	194047	3.00%	0.297%
80	22.756	3423	3429	3434	rBV	1356688	3166692	49.00%	4.849%
81	22.927	3453	3458	3465	rVB	375002	601109	9.30%	0.920%
82	23.056	3475	3480	3481	rBV3	89347	135215	2.09%	0.207%
83	23.227	3502	3509	3514	rBV	829983	1476531	22.85%	2.261%
84	23.315	3518	3524	3533	rVV	1379431	2513896	38.90%	3.849%
85	23.415	3534	3541	3546	rVV	1327859	2627254	40.65%	4.023%
86	23.462	3546	3549	3556	rVB2	425212	718355	11.12%	1.100%
87	24.256	3679	3684	3697	rVB3	141961	352667	5.46%	0.540%
88	25.603	3905	3913	3925	rVB3	591416	1695476	26.23%	2.596%
89	25.862	3951	3957	3963	rVB	95206	223207	3.45%	0.342%
90	26.280	4019	4028	4044	rVB	379448	1233971	19.09%	1.890%
91	26.632	4083	4088	4104	rVB4	158004	545727	8.44%	0.836%

Sum of corrected areas: 65306566

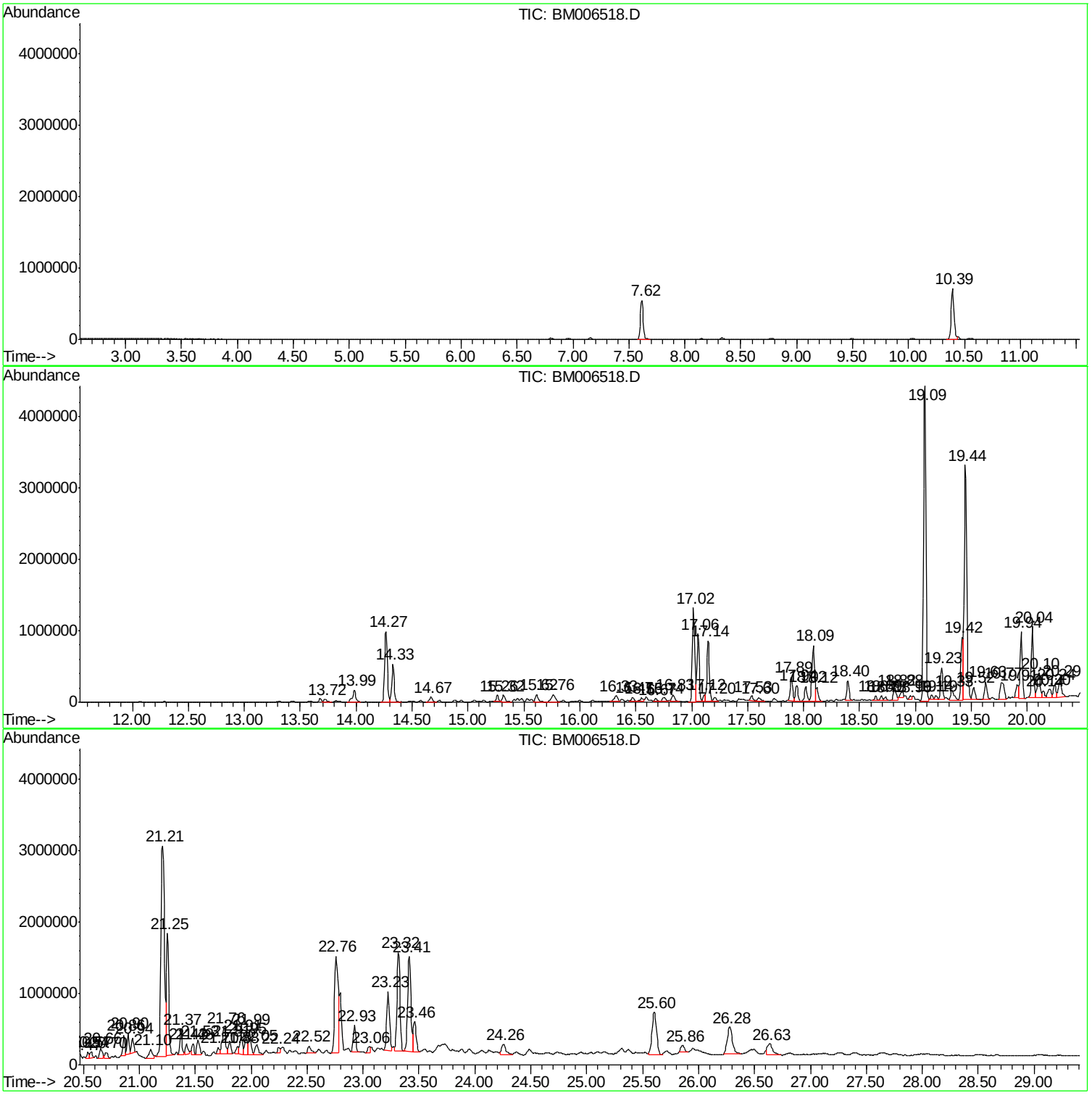
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

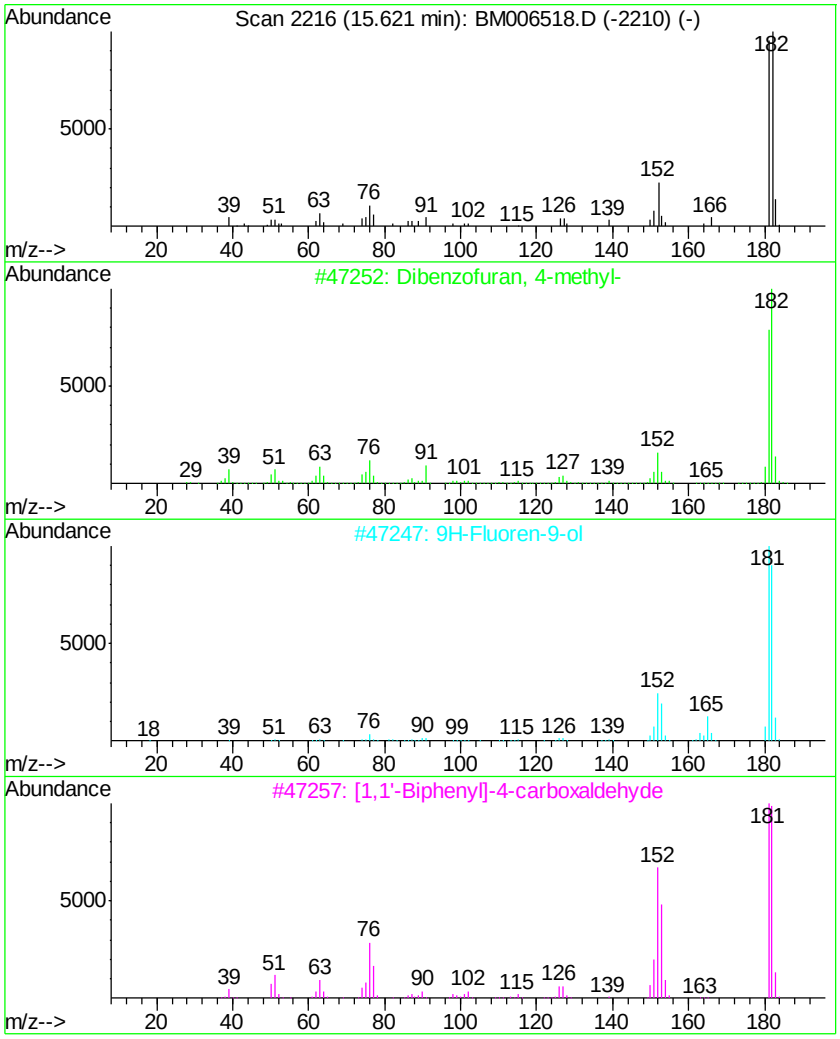
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

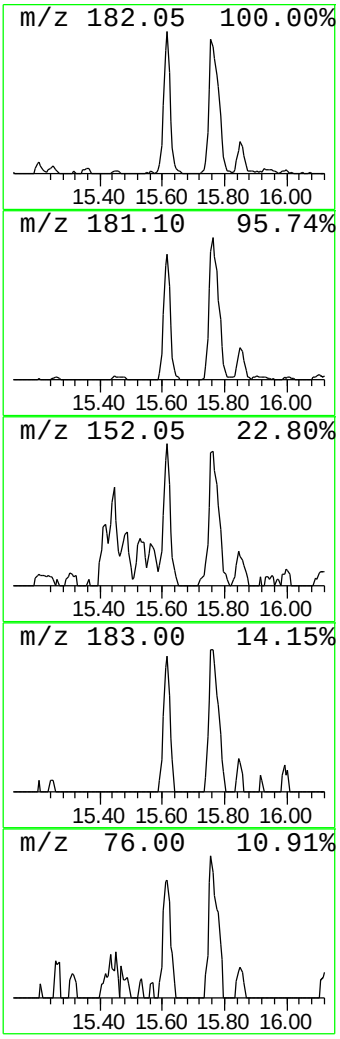
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.13 ng/ul	174111	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

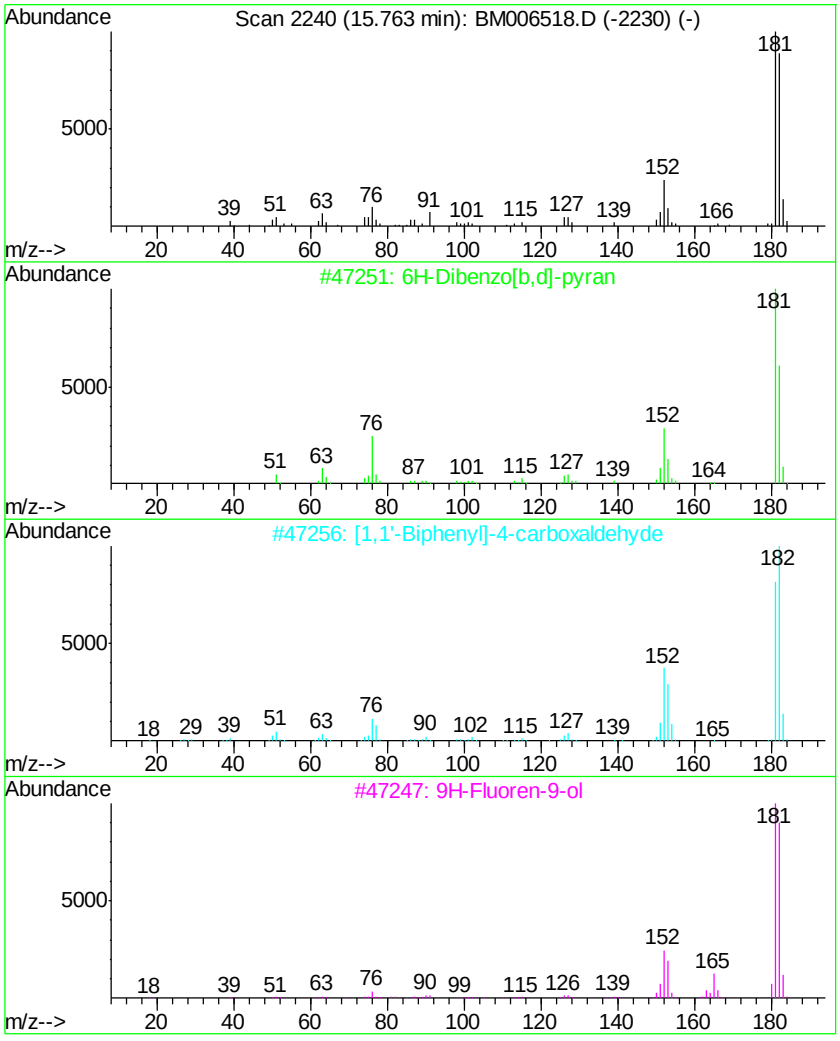
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

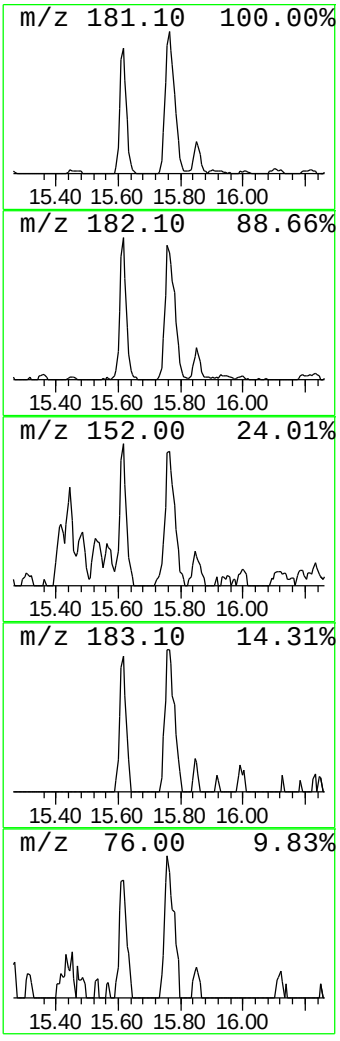
****

Peak Number 2 6H-Dibenzo[b,d]-pyran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.49 ng/ul	253773	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

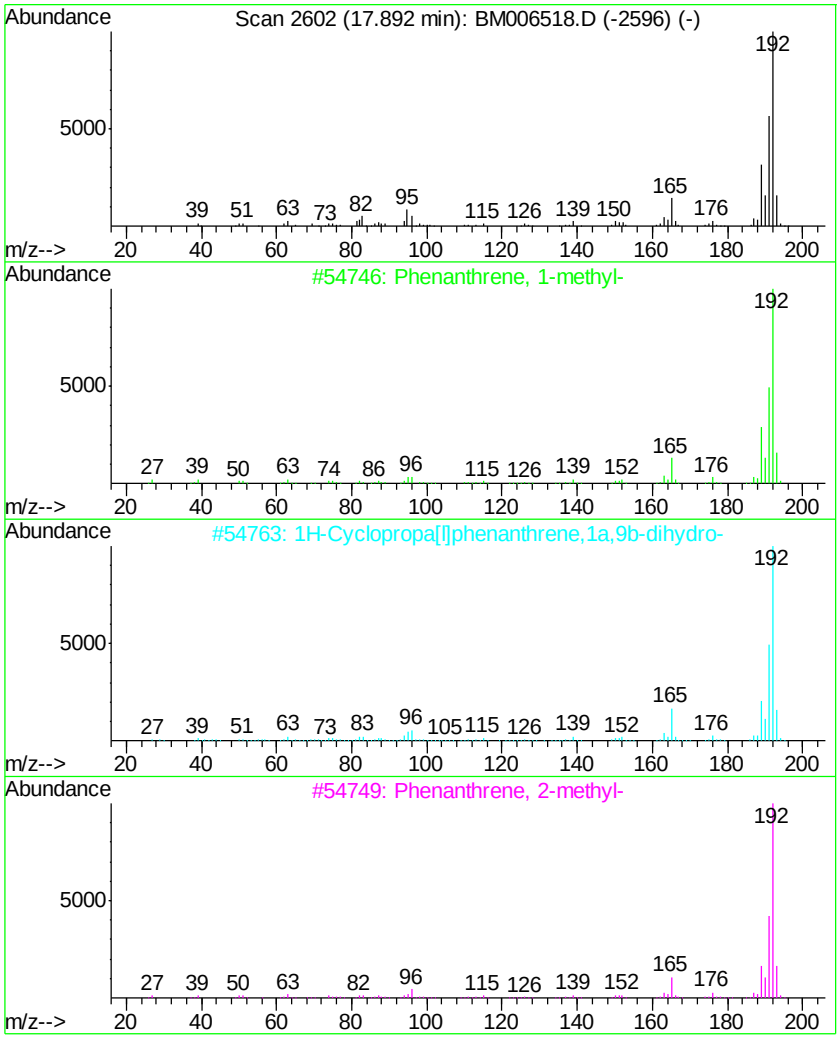
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

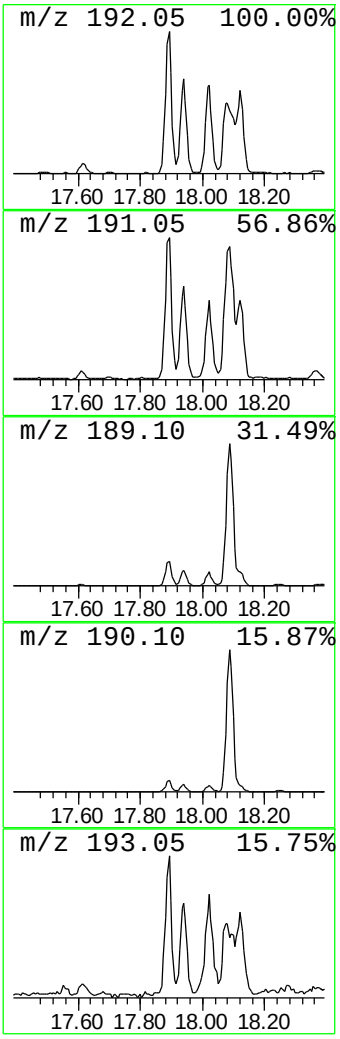
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.74 ng/ul	483012	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

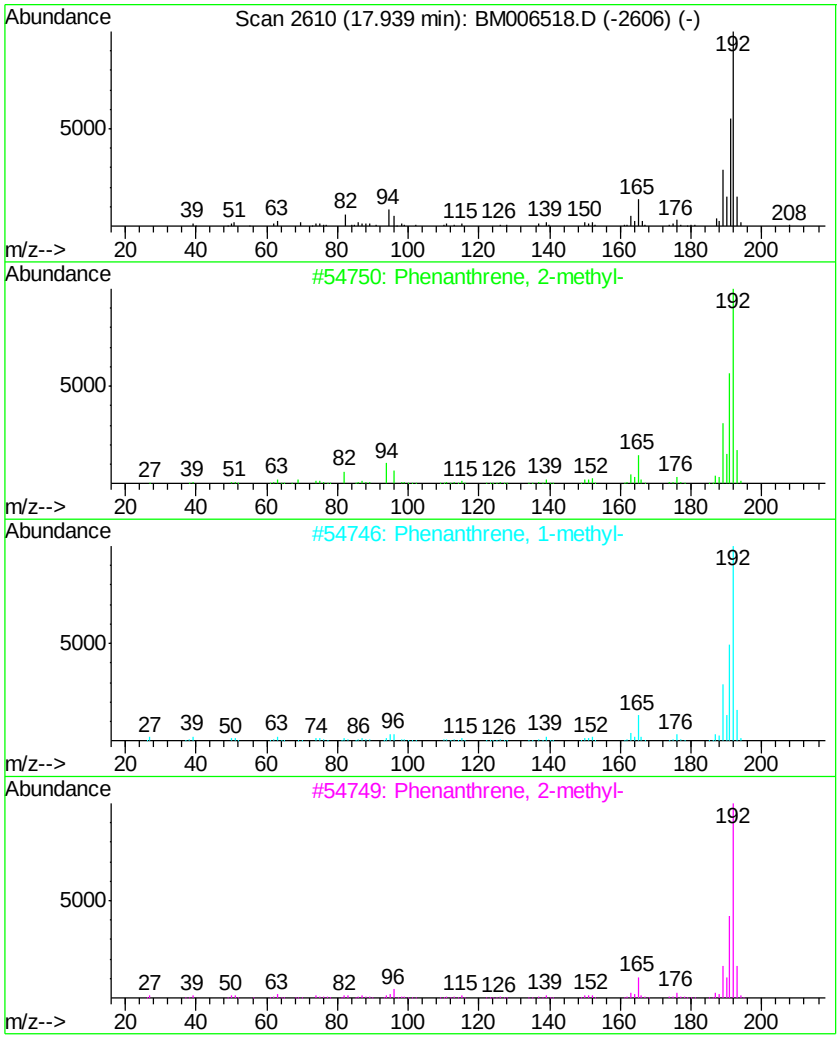
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

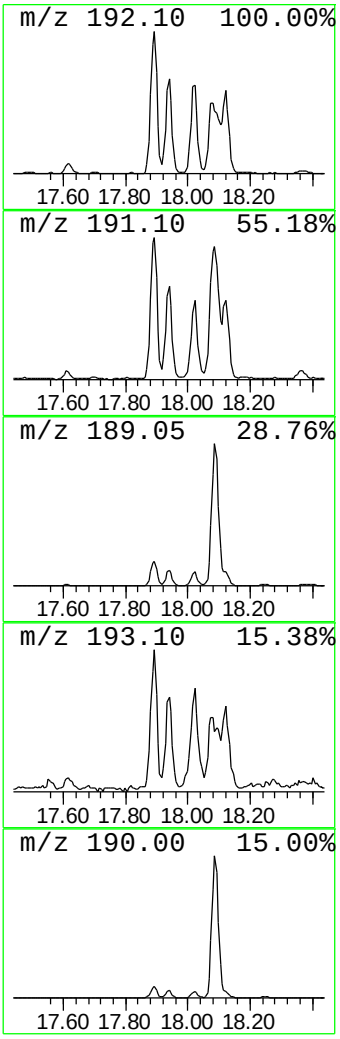
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.20 ng/ul	326396	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

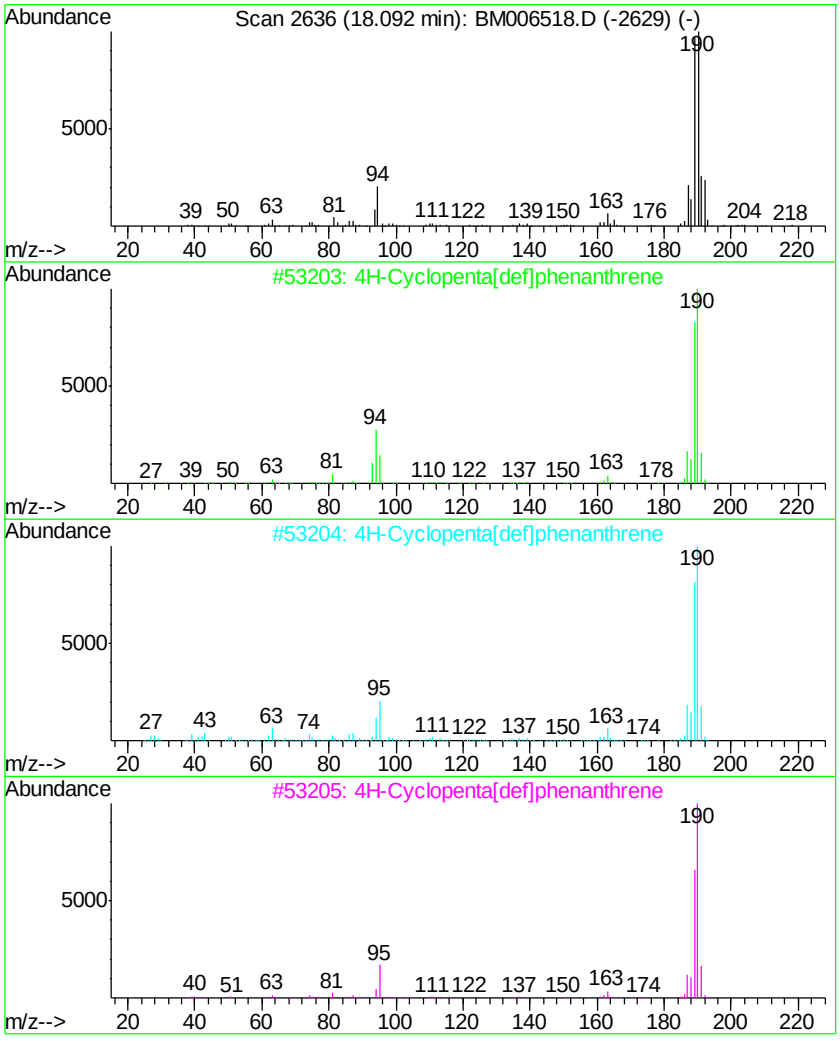
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

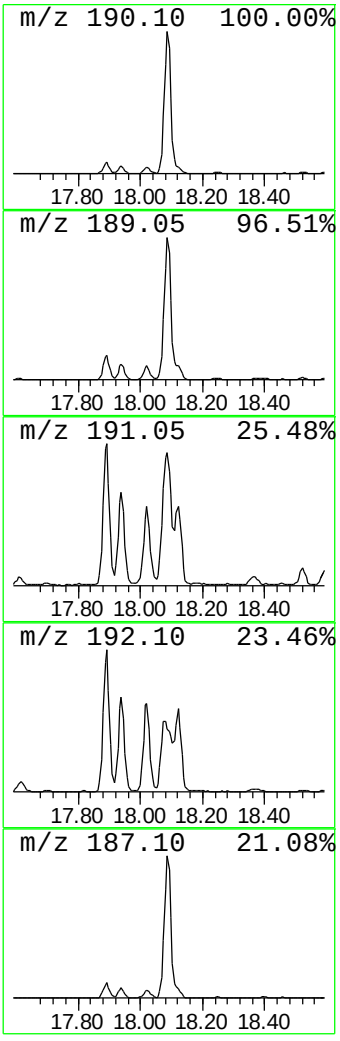
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	12.77 ng/ul	1302160	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\HPCHEM1\BNA M\DATA\BM071816\
Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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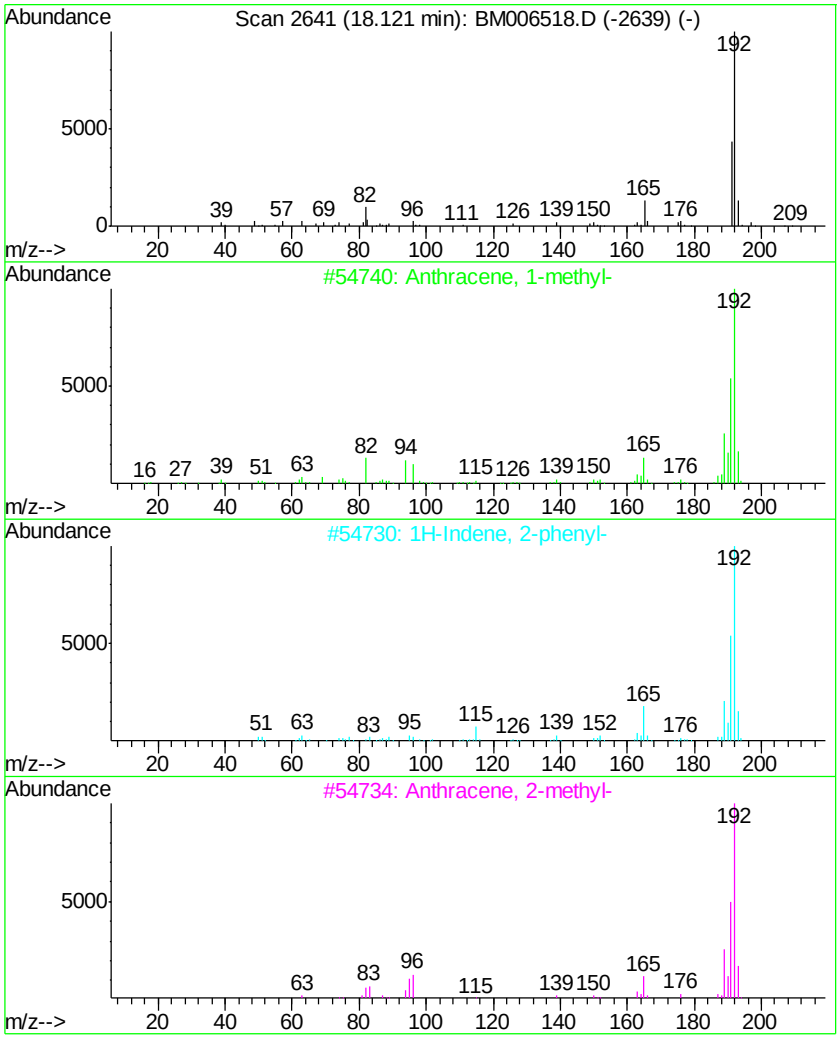
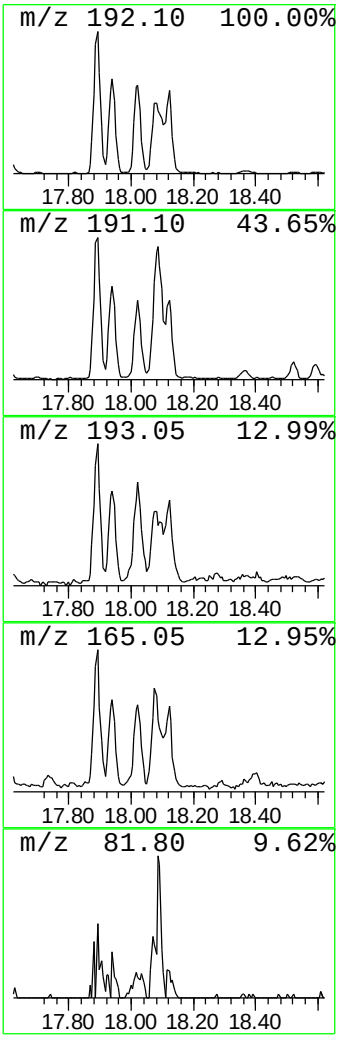
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.31 ng/ul	235760	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	80





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Data File : BM006518.D
Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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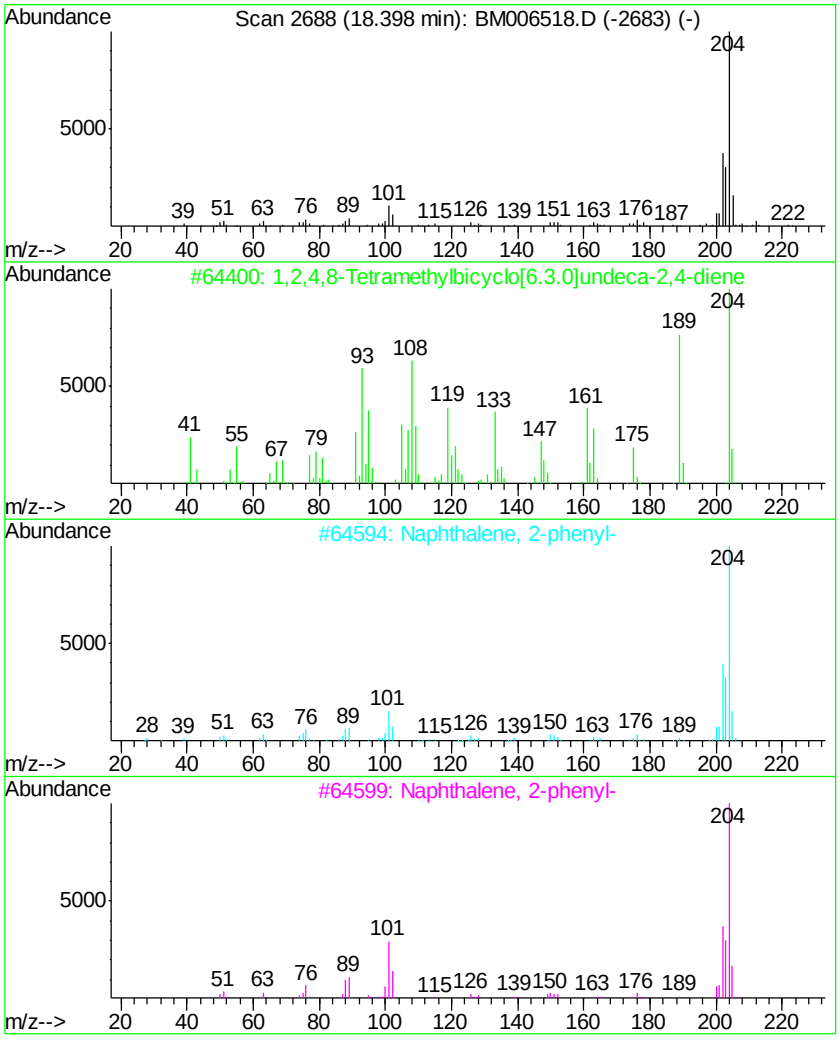
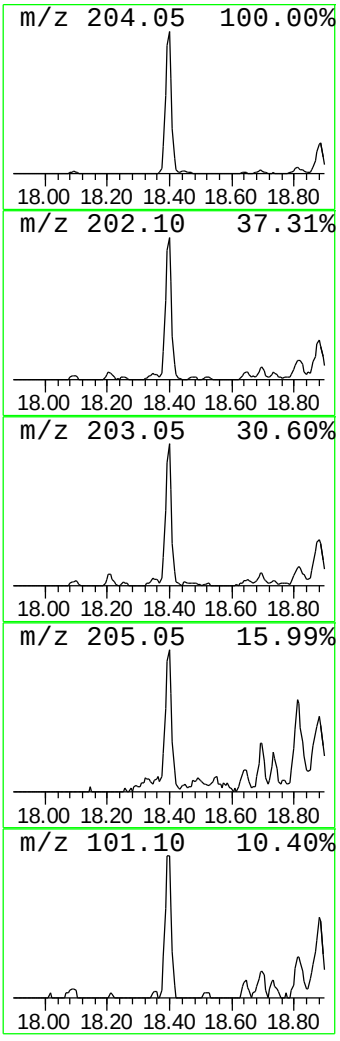
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	3.65 ng/ul	372139	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Library Search Compound Report

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Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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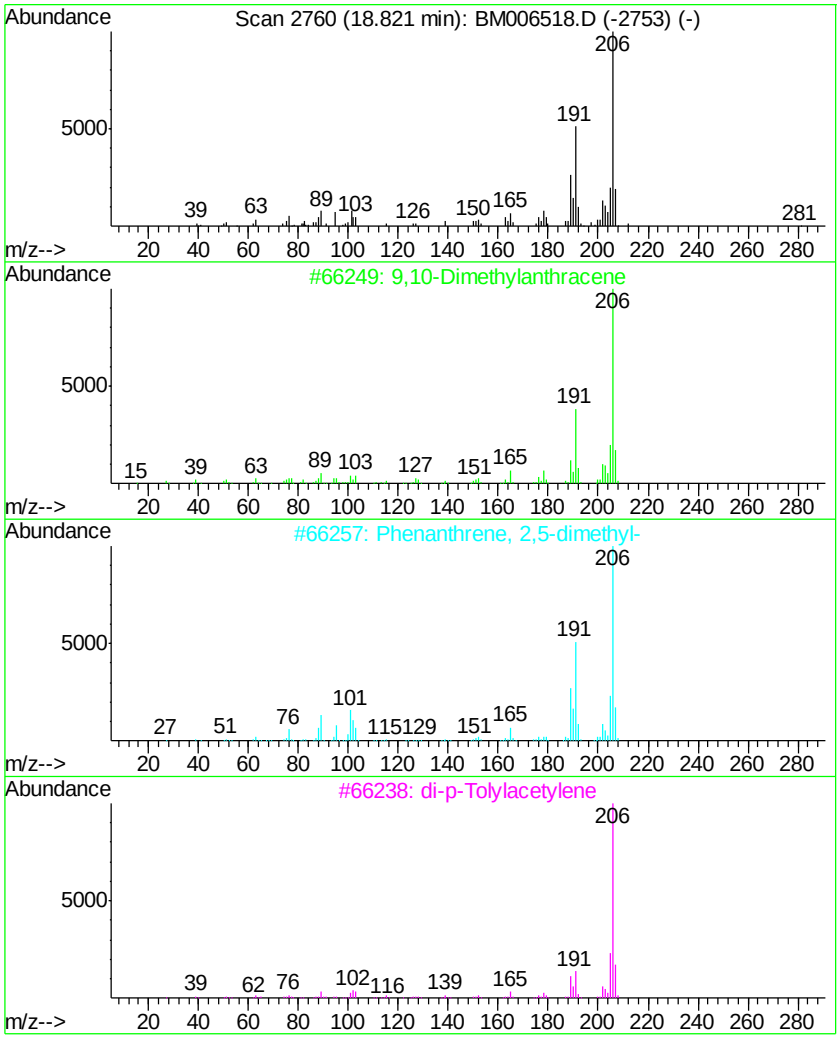
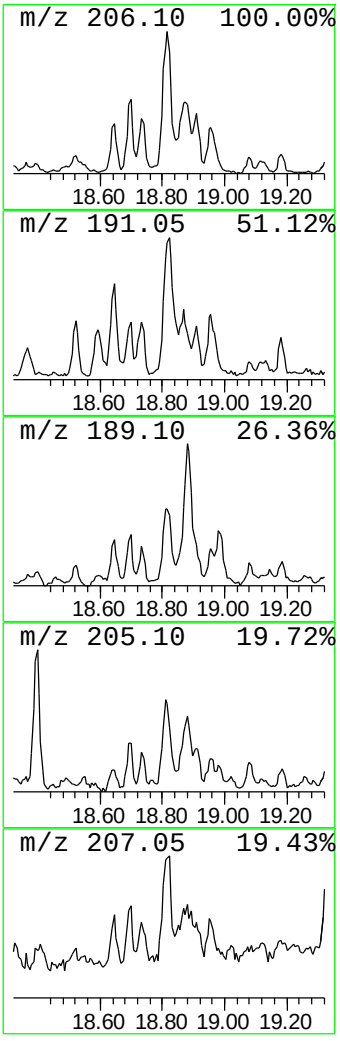
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.98 ng/ul	303404	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





Library Search Compound Report

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Acq On : 18 Jul 2016 12:20
Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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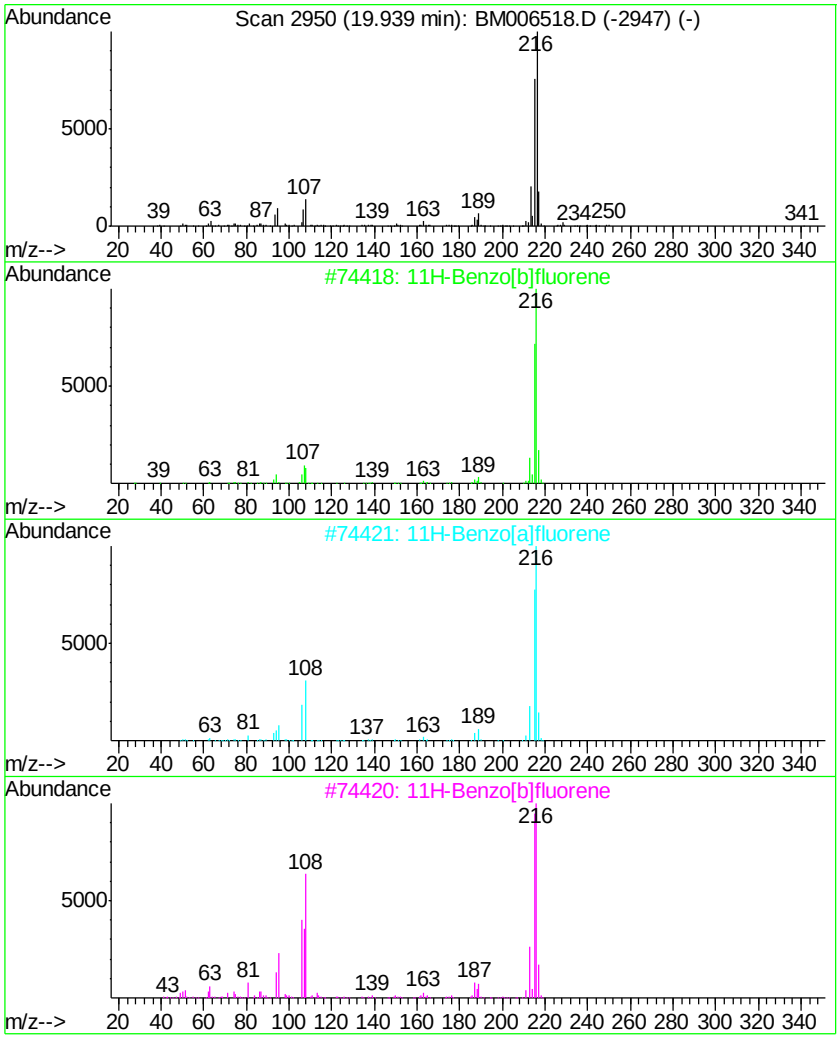
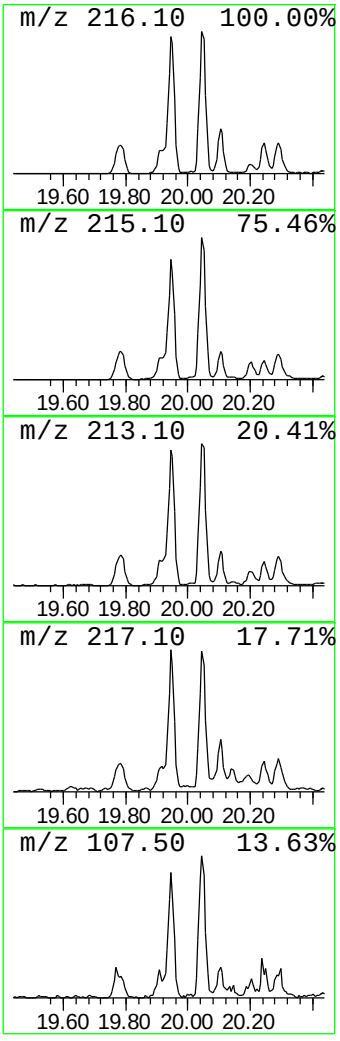
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	4.10 ng/ul	1325100	Chrysene-d12	21.22

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	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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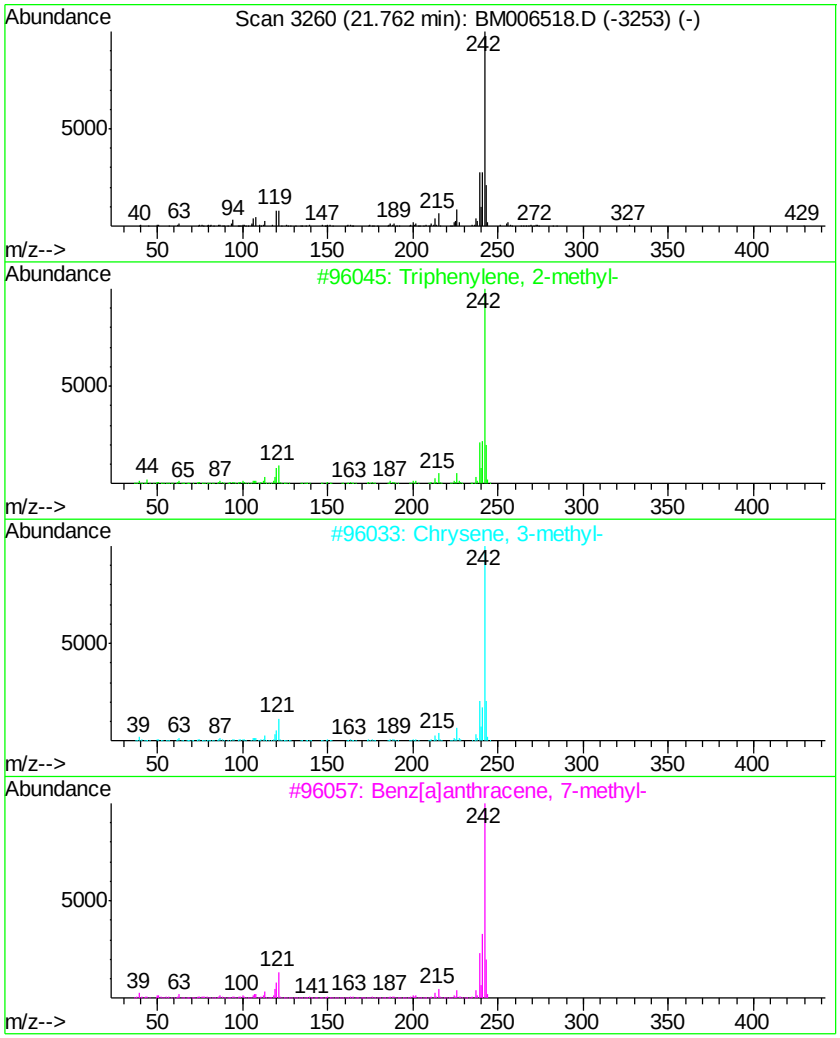
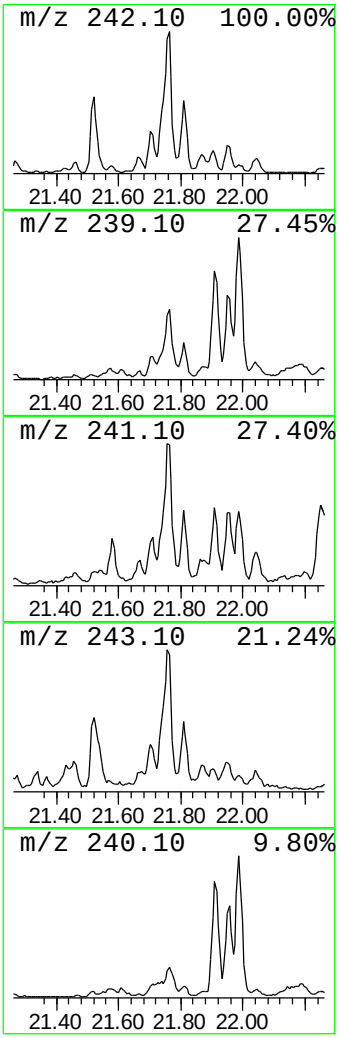
Peak Number 12 Triphenylene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.32 ng/ul	748131	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4	Benz[a]anthracene, 4-methyl-	242	C19H14	000316-49-4	93
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93





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Operator : UM/SJ
Sample : H3959-02DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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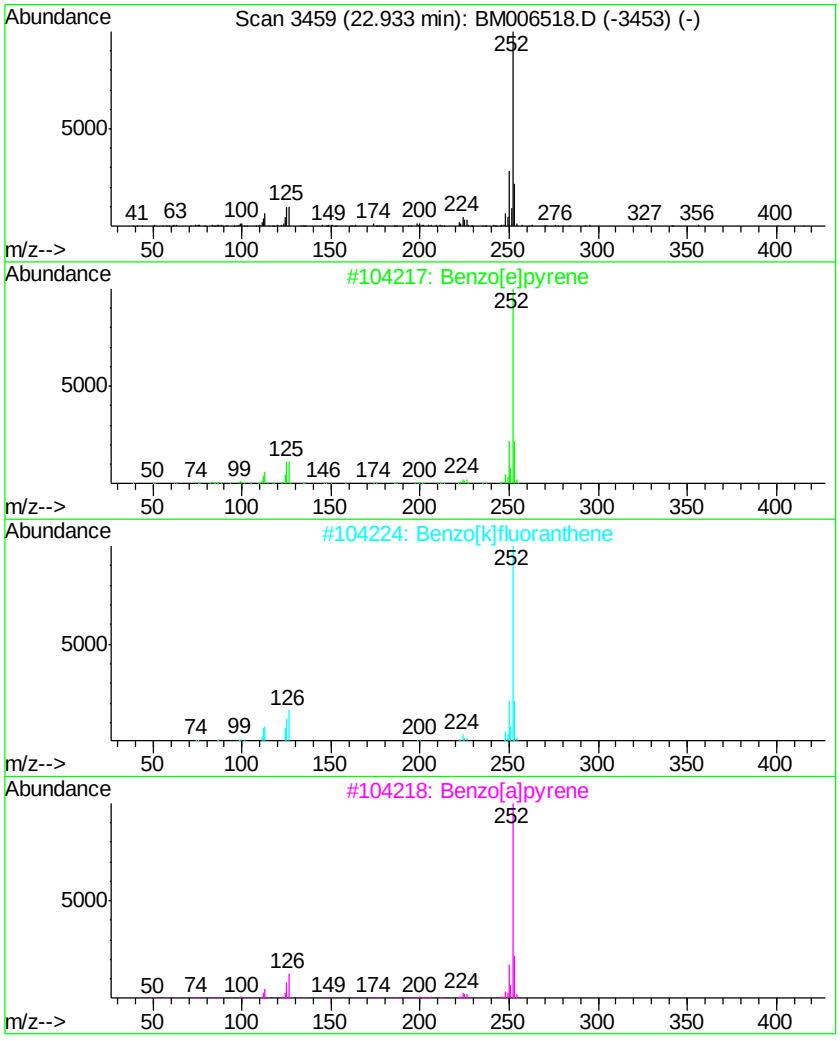
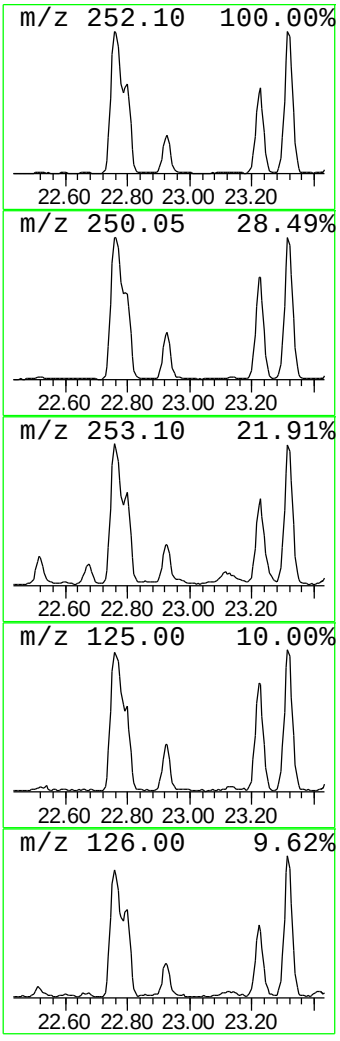
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	4.58 ng/ul	601109	Perylene-d12	23.41

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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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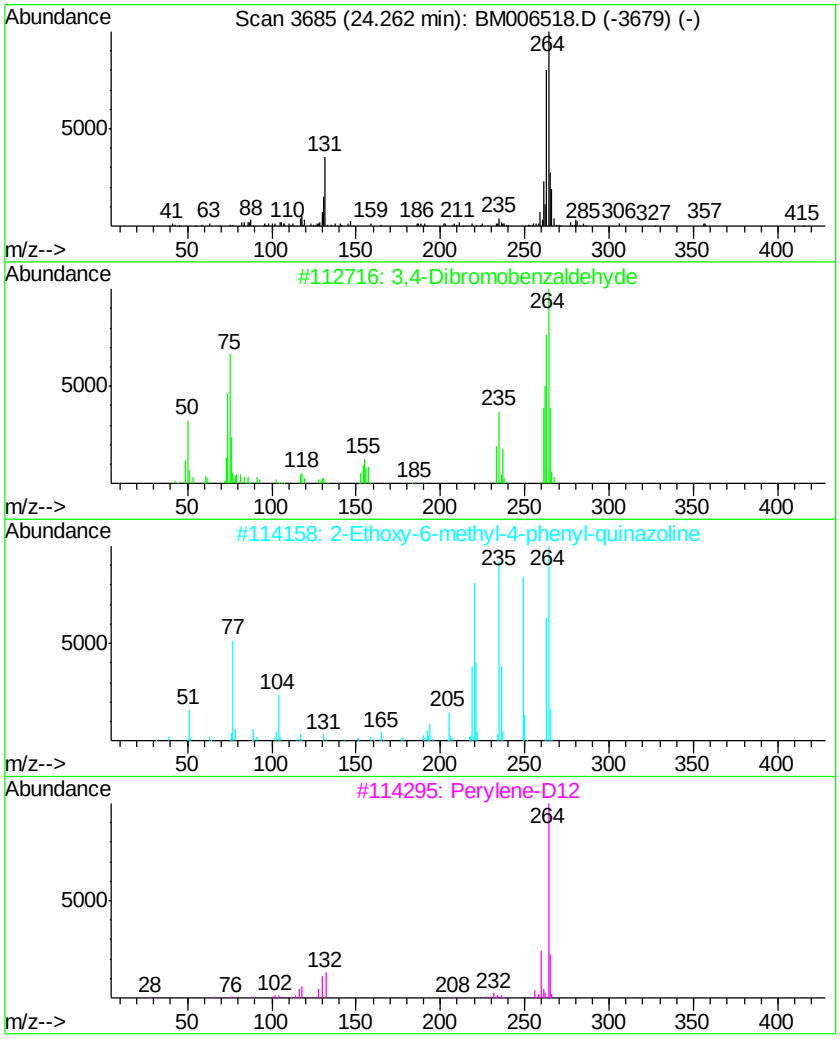
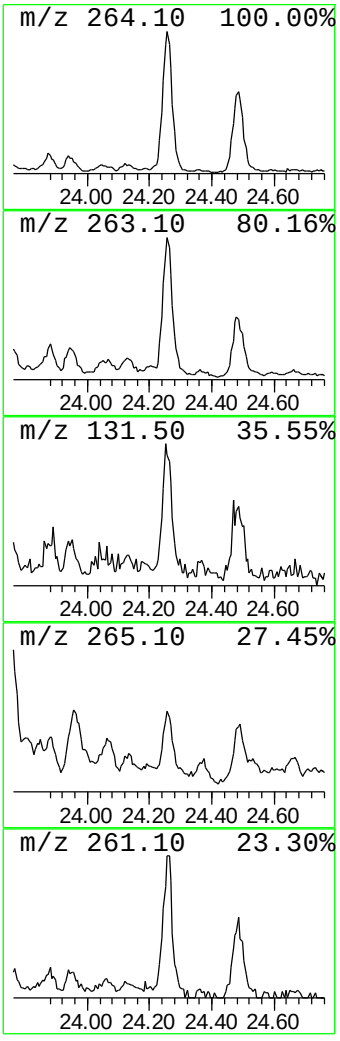
Peak Number 14 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.26	2.68 ng/ul	352667	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	38
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	35
3	Perylene-D12	264	C20D12	001520-96-3	35
4	Tricyclo[10.2.2.2(5,8)]octadeca-...	264	C20H24	024777-38-6	30
5	3-Chloro-1-diethylamino-7-ethyl-...	292	C15H21ClN4	1000274-36-7	25





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ21DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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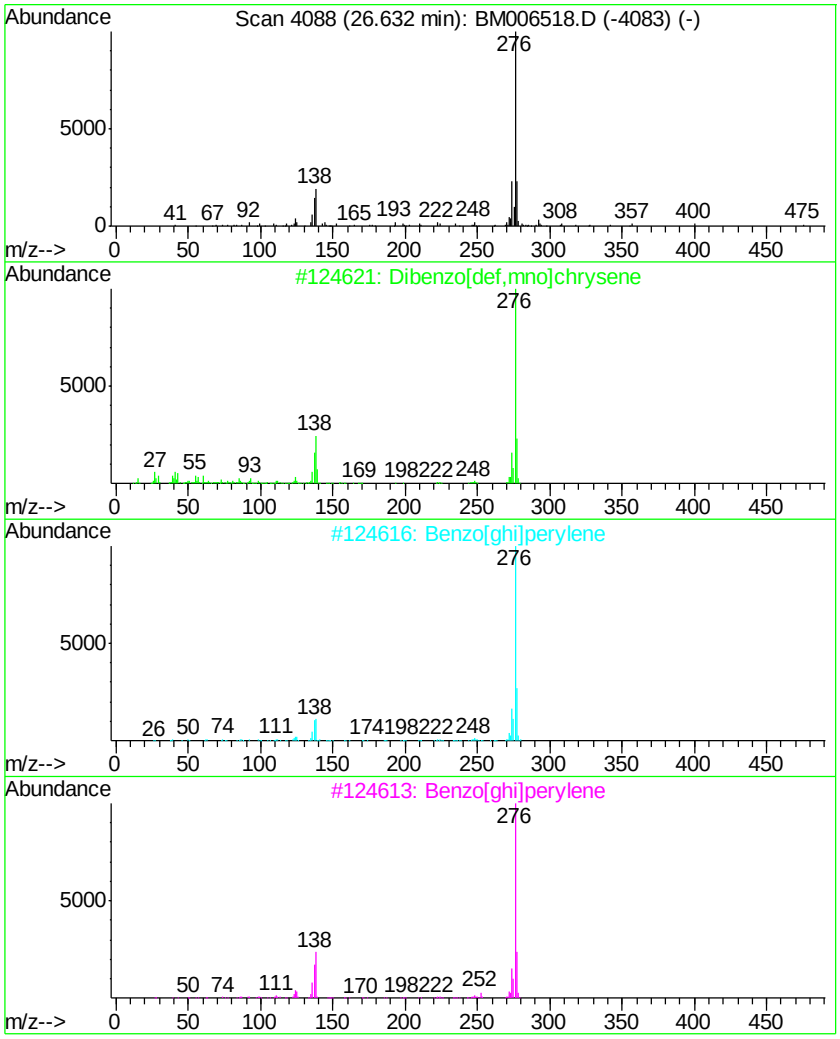
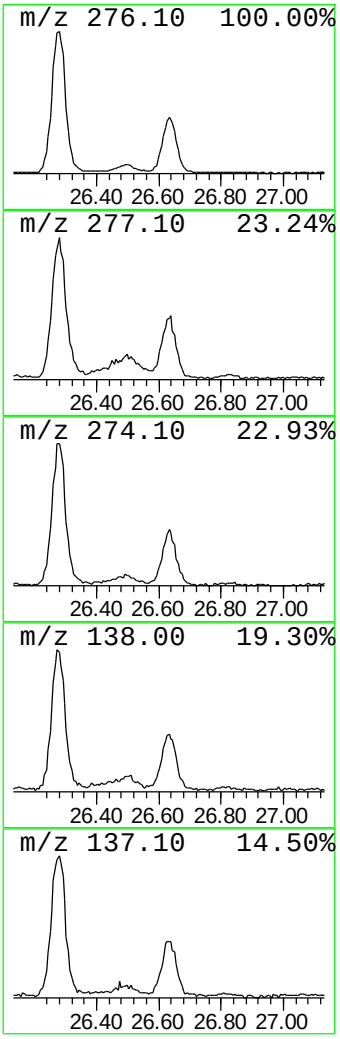
Peak Number 15 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.63	4.15 ng/ul	545727	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	94
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzofuran, 4-m...	15.62	2.1	ng/ul	174111	3	14.26	1632060	20.0
6H-Dibenzo[b,d]-p...	15.76	2.5	ng/ul	253773	4	17.02	2039150	20.0
Phenanthrene, 1-m...	17.89	4.7	ng/ul	483012	4	17.02	2039150	20.0
Phenanthrene, 2-m...	17.94	3.2	ng/ul	326396	4	17.02	2039150	20.0
4H-Cyclopenta[def...	18.09	12.8	ng/ul	1302160	4	17.02	2039150	20.0
Anthracene, 1-met...	18.12	2.3	ng/ul	235760	4	17.02	2039150	20.0
1,2,4,8-Tetrameth...	18.40	3.6	ng/ul	372139	4	17.02	2039150	20.0
9,10-Dimethylanth...	18.82	3.0	ng/ul	303404	4	17.02	2039150	20.0
11H-Benzo[b]fluorene	19.94	4.1	ng/ul	1325100	5	21.22	6462710	20.0
Triphenylene, 2-m...	21.76	2.3	ng/ul	748131	5	21.22	6462710	20.0
Benzo[e]pyrene	22.93	4.6	ng/ul	601109	6	23.41	2627250	20.0
unknown-01	24.26	2.7	ng/ul	352667	6	23.41	2627250	20.0
Dibenzo[def,mno]c...	26.63	4.2	ng/ul	545727	6	23.41	2627250	20.0