LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

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:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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	3.781	130	135	149	rVB	1013403	1255467	5.61%	0.571%
2	5.134	359	365	384	rBV	2329427	3477515	15.55%	1.582%
3	6.710	626	633	646	rBV	2161278	3694668	16.52%	1.681%
4	7.045	683	690	703	rBV	2538416	3907544	17.47%	1.778%
5	7.498	761	767	774	rBV	524542	830865	3.71%	0.378%
6	7.816	814	821	830	rVB	1867003	2991389	13.37%	1.361%
7	8.669	955	966	981	rBV	1312966	2484158	11.11%	1.130%
8	10.275	1230	1239	1243	rBV	583238	1027100	4.59%	0.467%
9	10.322	1243	1247	1259	rVB	694358	1206352	5.39%	0.549%
10	11.951	1513	1524	1534	rBV	332368	594457	2.66%	0.270%
11	12.174	1554	1562	1569	rBV2	270400	468303	2.09%	0.213%
12	12.769	1652	1663	1676	rBV	2569228	3809080	17.03%	1.733%
13	12.986	1688	1700	1708	rBV3	115032	242221	1.08%	0.110%
14	13.333	1751	1759	1766	rBV3	108073	287102	1.28%	0.131%
15	13.480	1775	1784	1789	rBV3	204077	419826	1.88%	0.191%
16	13.633	1803	1810	1816	rBV2	175301	283791	1.27%	0.129%
17	13.886	1848	1853	1862	rVB	472246	736445	3.29%	0.335%
18	14.163	1886	1900	1906	rBV2	765830	1420121	6.35%	0.646%
19	14.227	1906	1911	1920	rVB	504420	806890	3.61%	0.367%
20	14.568	1964	1969	1976	rVB	556780	867722	3.88%	0.395%
21	15.227	2075	2081	2092	rVB	856223	1329238	5.94%	0.605%
22	15.521	2126	2131	2138	rVB	294759	469483	2.10%	0.214%
23	15.680	2147	2158	2164	rBV	2061800	3386914	15.14%	1.541%
24	15.910	2190	2197	2208	rVB8	114214	361085	1.61%	0.164%
25	16.239	2245	2253	2257	rBV4	216311	466785	2.09%	0.212%
26	16.286	2257	2261	2266	rVB2	160557	245597	1.10%	0.112%
27	16.598	2308	2314	2320	rVB	605657	920304	4.11%	0.419%
28	16.674	2320	2327	2333	rVV4	237503	548003	2.45%	0.249%
29	16.751	2334	2340	2348	rVB	539571	894784	4.00%	0.407%
30	16.933	2364	2371	2373	rBV	823642	1221792	5.46%	0.556%
31	16.980	2373	2379	2384	rVV	13137686	17261693	77.17%	7.854%
32	17.062	2384	2393	2399	rVB	1660370	2446294	10.94%	1.113%
33	17.133	2399	2405	2410	rBV2	127488	260451	1.16%	0.118%
34	17.351	2433	2442	2451	rBV2	600153	1271985	5.69%	0.579%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

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:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.445	2455	2458	2462	rVB	203770	240129	1.07%	0.109%
36	17.656	2488	2494	2499	rVB3	137083	309675	1.38%	0.141%
37	17.804	2514	2519	2523	rVV	1610969	2368339	10.59%	1.078%
38	17.856	2523	2528	2534	rVB	2305830	3193906	14.28%	1.453%
39	17.939	2535	2542	2546	rBV	565203	843662	3.77%	0.384%
40	17.998	2546	2552	2556	rVV2	1962248	3435442	15.36%	1.563%
41	18.039	2556	2559	2569	rVB	1207669	1647564	7.37%	0.750%
42	18.121	2569	2573	2578	rBV4	171709	302581	1.35%	0.138%
43	18.315	2601	2606	2612	rBV	988629	1393258	6.23%	0.634%
44	18.380	2612	2617	2623	rVB	1320322	1862479	8.33%	0.847%
45	18.433	2623	2626	2631	rVB	182144	224750	1.00%	0.102%
46	18.562	2640	2648	2653	rBV	446503	826978	3.70%	0.376%
47	18.615	2653	2657	2660	rVV	392714	535099	2.39%	0.243%
48	18.656	2660	2664	2668	rVB	296899	396898	1.77%	0.181%
49	18.739	2673	2678	2682	rBV	972806	1564518	6.99%	0.712%
50	18.803	2682	2689	2692	rBV4	432935	741083	3.31%	0.337%
51	18.898	2697	2705	2710	rBV2	821134	1531329	6.85%	0.697%
52	19.015	2717	2725	2730	rBV	15341187	20790433	92.95%	9.459%
53	19.068	2731	2734	2737	rVV	226961	276473	1.24%	0.126%
54	19.109	2737	2741	2746	rVV2	350180	537926	2.40%	0.245%
55	19.245	2758	2764	2768	rVV3	566693	1277543	5.71%	0.581%
56	19.286	2768	2771	2777	rVV5	220345	385617	1.72%	0.175%
57	19.386	2777	2788	2794	rVV	13554232	22367006	100.00%	10.176%
58	19.445	2794	2798	2805	rVB3	656576	1070976	4.79%	0.487%
59	19.580	2812	2821	2825	rBV2	3476162	4786067	21.40%	2.178%
60	19.627	2825	2829	2835	rVB	461329	781687	3.49%	0.356%
61	19.703	2835	2842	2850	rBV4	850131	2264320	10.12%	1.030%
62	19.786	2850	2856	2860	rVV3	140877	320373	1.43%	0.146%
63	19.845	2860	2866	2867	rVV3	714392	1184511	5.30%	0.539%
64	19.874	2868	2871	2876	rVB	1299034	1832808	8.19%	0.834%
65	19.974	2884	2888	2892	rBV	620365	774138	3.46%	0.352%
66	20.033	2892	2898	2902	rVV2	1285583	2027432	9.06%	0.922%
67	20.068	2902	2904	2908	rVB3	251894	308607	1.38%	0.140%
68	20.115	2908	2912	2916	rVB2	236723	329758	1.47%	0.150%
69	20.174	2918	2922	2926	rBV	865823	1075543	4.81%	0.489%
70	20.221	2926	2930	2933	rVB	856021	1082657	4.84%	0.493%
71	20.503	2975	2978	2982	rBV3	215683	298787	1.34%	0.136%

LSC Area Percent Report

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Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

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:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.639	2996	3001	3005	rVB	1295411	1587501	7.10%	0.722%
73	20.792	3020	3027	3030	rBV	1317763	1921353	8.59%	0.874%
74	20.827	3030	3033	3036	rVV	1180079	1506296	6.73%	0.685%
75	20.868	3036	3040	3049	rVV3	795400	2033899	9.09%	0.925%
76	20.939	3049	3052	3057	rVB	1248978	1584546	7.08%	0.721%
77	21.033	3061	3068	3071	rBV	296038	643815	2.88%	0.293%
78	21.139	3078	3086	3091	rBV2	6984849	12016096	53.72%	5.467%
79	21.192	3091	3095	3099	rVB	6668918	8083067	36.14%	3.678%
80	21.303	3110	3114	3117	rBV	790981	916362	4.10%	0.417%
81	21.368	3122	3125	3128	rBV3	380733	581431	2.60%	0.265%
82	21.597	3161	3164	3167	rVB3	245061	260333	1.16%	0.118%
83	21.639	3167	3171	3174	rBV	340704	515884	2.31%	0.235%
84	21.691	3177	3180	3185	rVV	1288545	1782966	7.97%	0.811%
85	21.739	3185	3188	3192	rVV	582379	768870	3.44%	0.350%
86	21.803	3196	3199	3202	rVB2	384001	498443	2.23%	0.227%
87	21.886	3209	3213	3216	rBV	591784	920566	4.12%	0.419%
88	21.980	3225	3229	3233	rVB3	407286	632270	2.83%	0.288%
89	22.180	3259	3263	3267	rBV2	454898	708422	3.17%	0.322%
90	22.444	3304	3308	3312	rBV4	495382	743432	3.32%	0.338%
91	22.697	3343	3351	3361	rVB	4166531	11704678	52.33%	5.325%
92	22.850	3372	3377	3382	rBV	671004	1026711	4.59%	0.467%
93	23.150	3422	3428	3437	rVB	2537125	4657624	20.82%	2.119%
94	23.244	3437	3444	3453	rVB	3794827	6805188	30.43%	3.096%
95	23.333	3454	3459	3463	rVV	639478	1170461	5.23%	0.533%
96	23.380	3463	3467	3474	rVB2	1028307	1837342	8.21%	0.836%
97	25.515	3821	3830	3839	rVB2	1653344	4327454	19.35%	1.969%
98	26.185	3936	3944	3954	rVB	1220356	3472278	15.52%	1.580%

Sum of corrected areas: 219793064

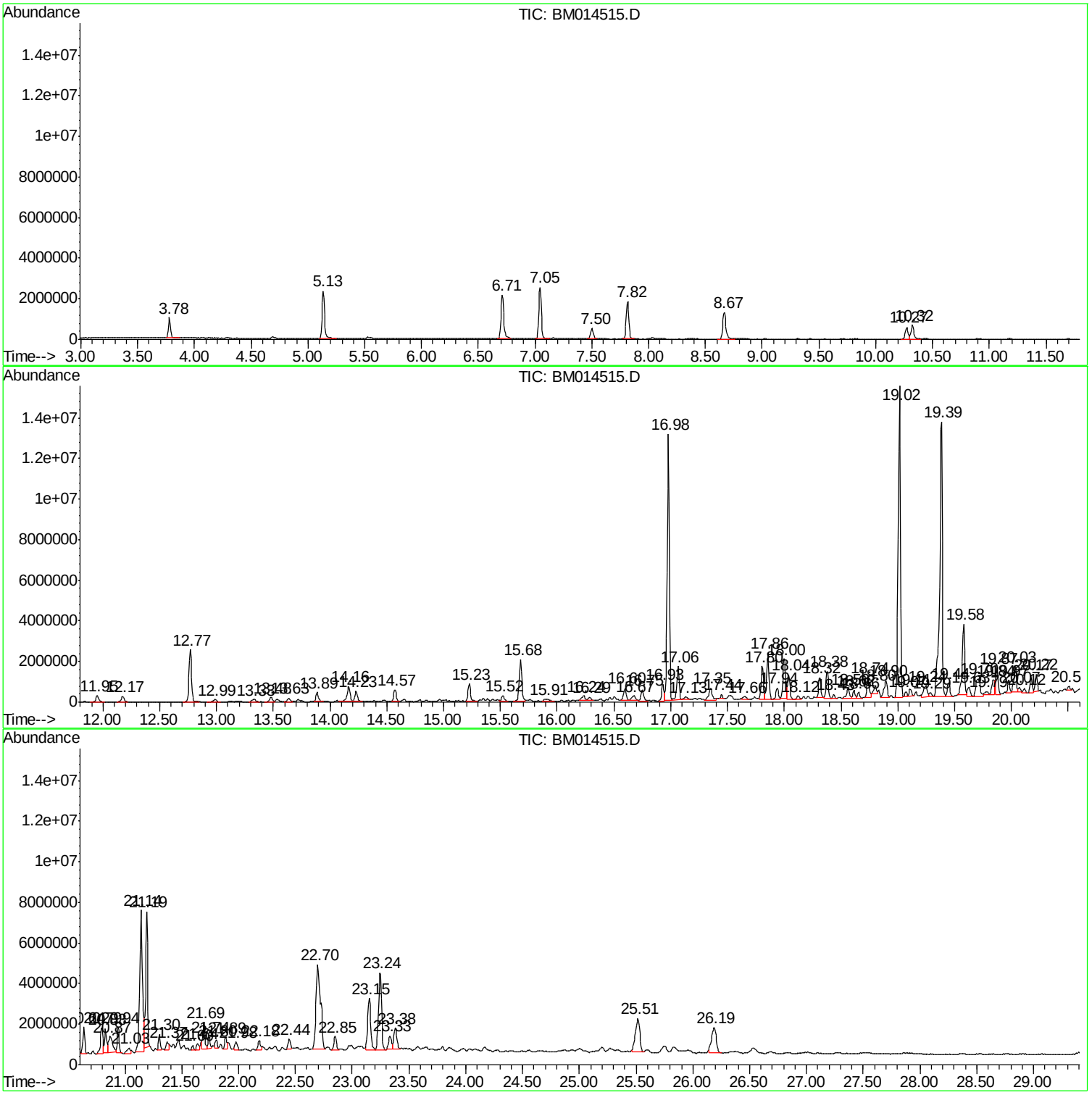
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

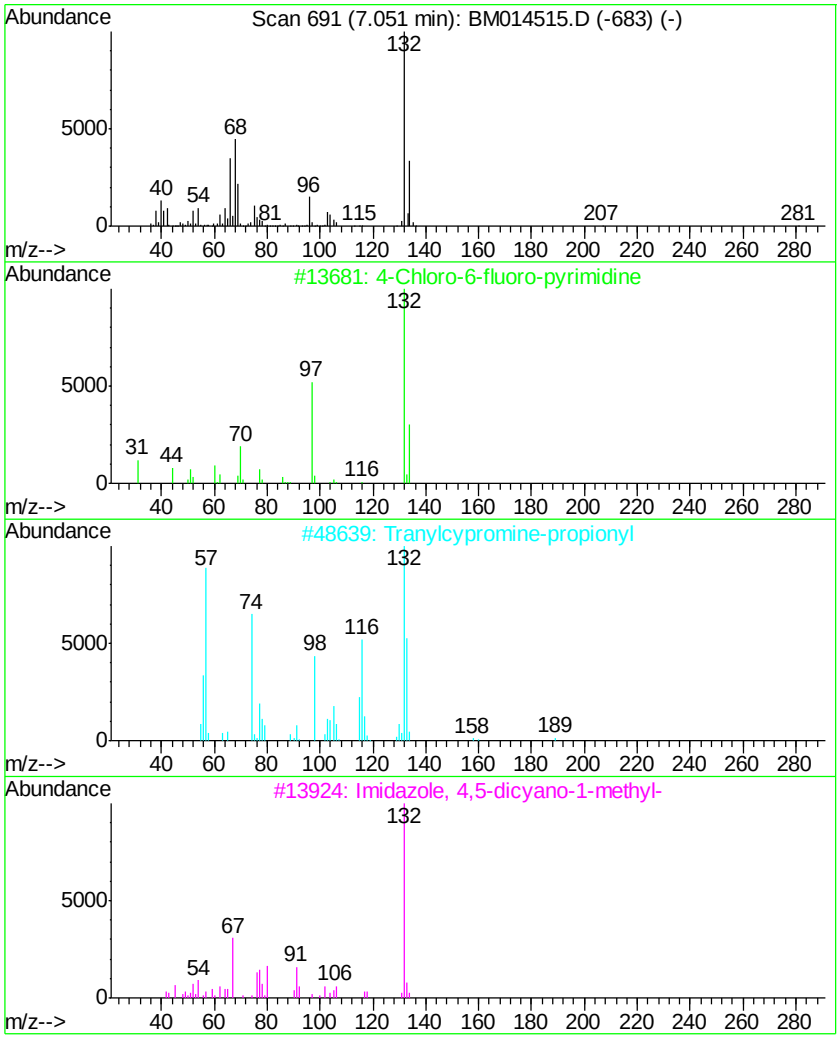
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

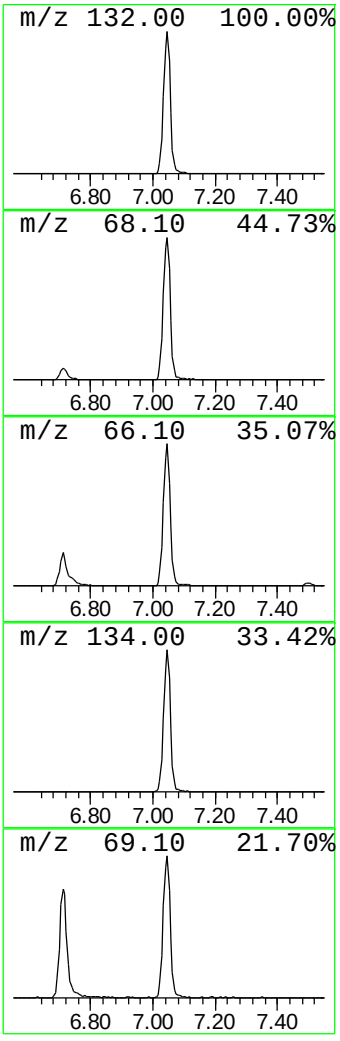
****

Peak Number 2 unknown7.05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	94.06 ng	3907540	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	10
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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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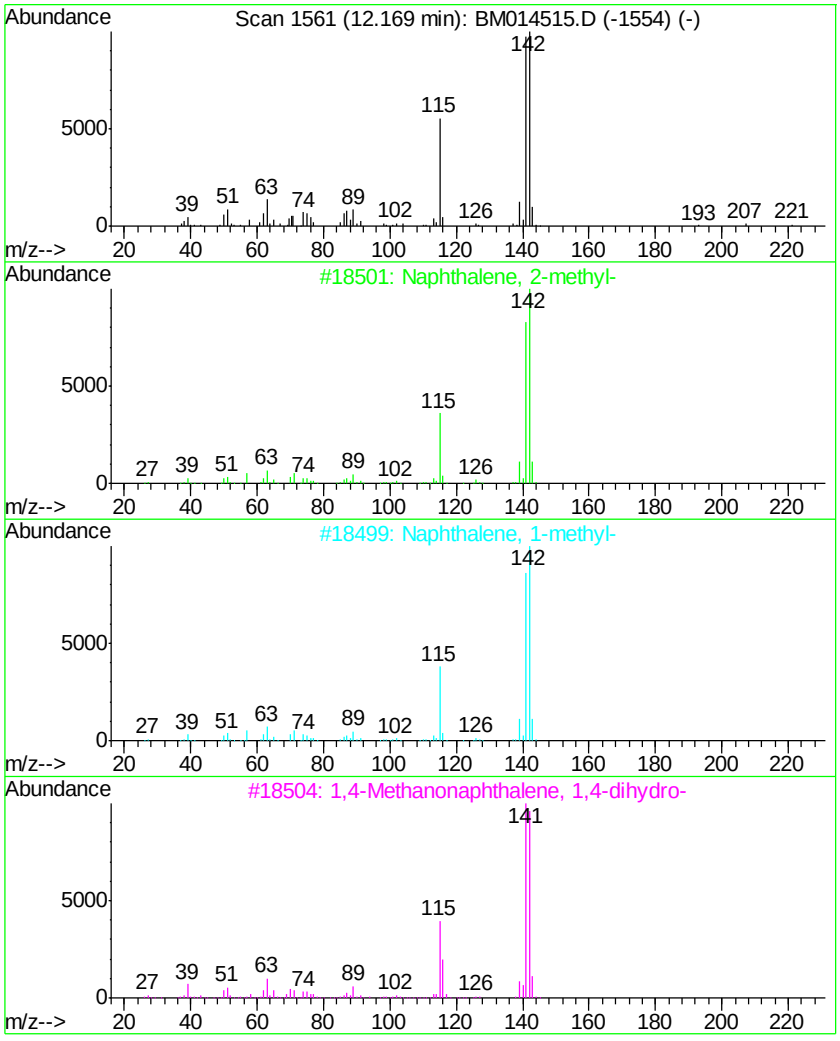
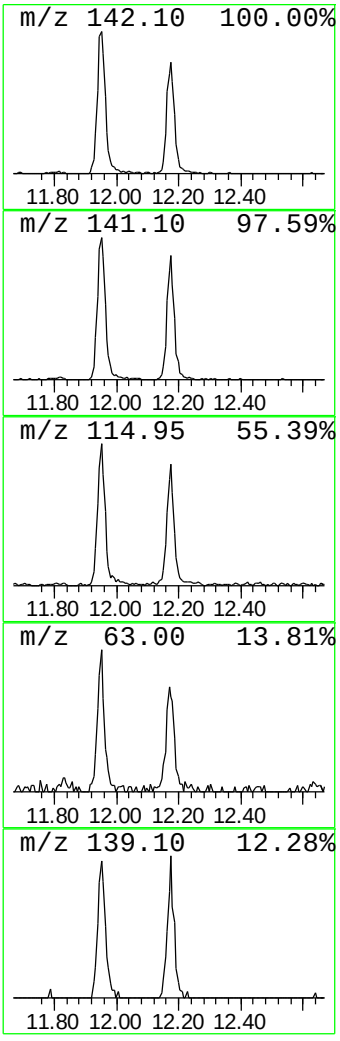
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	9.12 ng	468303	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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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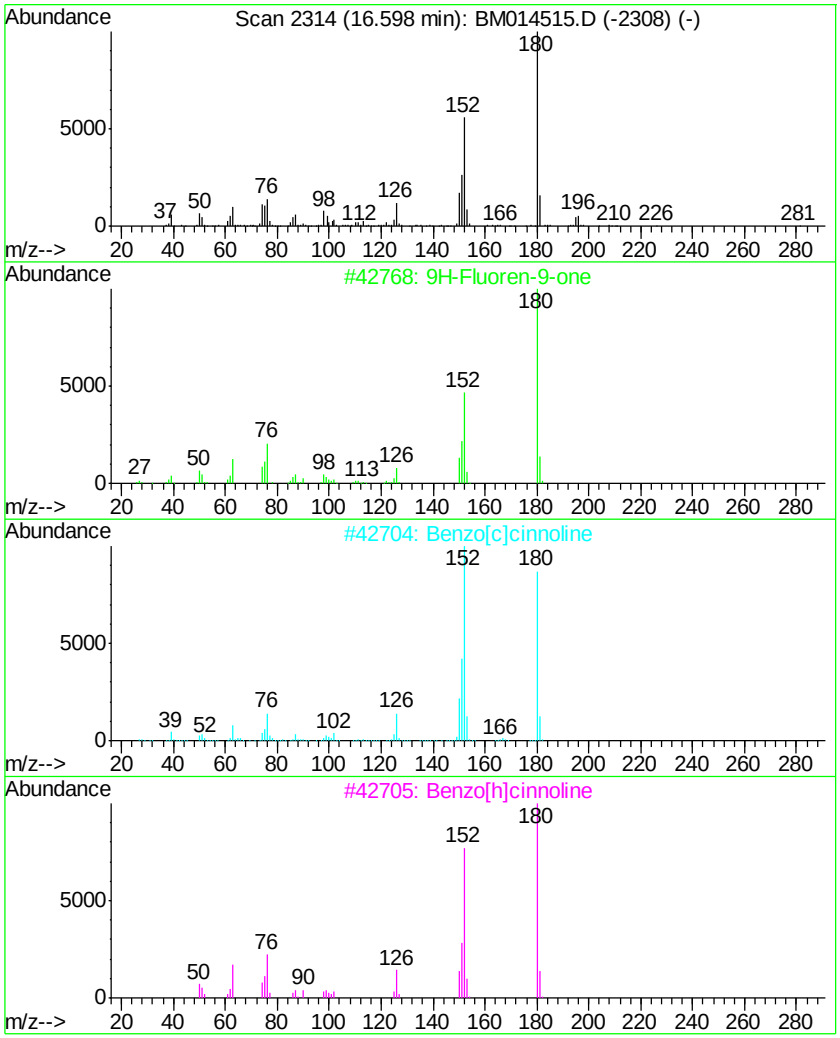
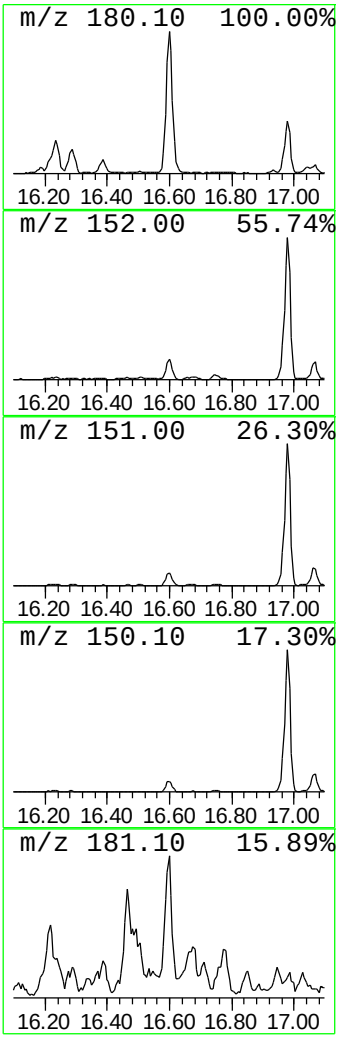
Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	15.06 ng	920304	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
4	Biphenylene	152	C12H8	000259-79-0	84
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
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Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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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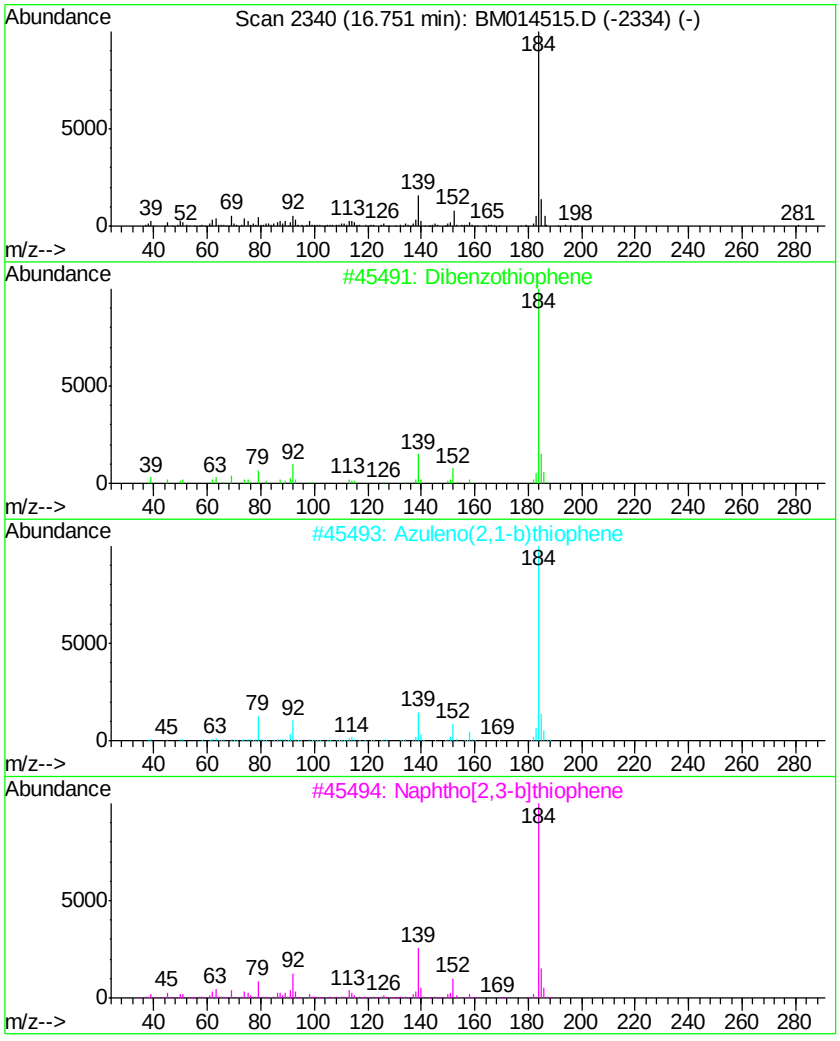
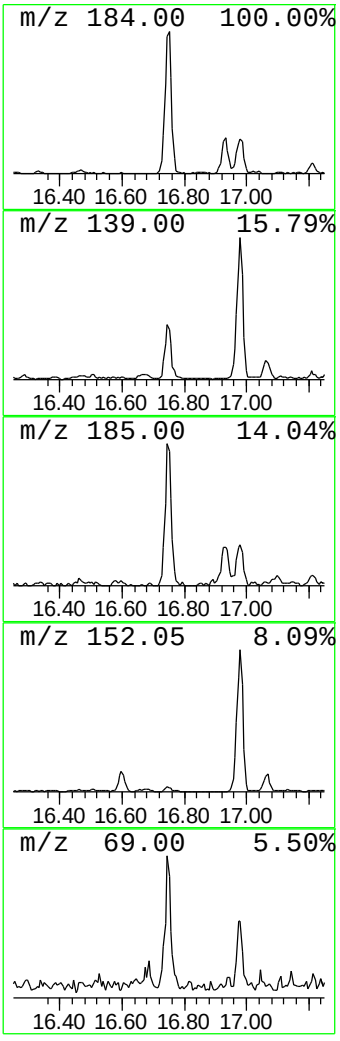
Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	14.65 ng	894784	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	56





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014515.D
Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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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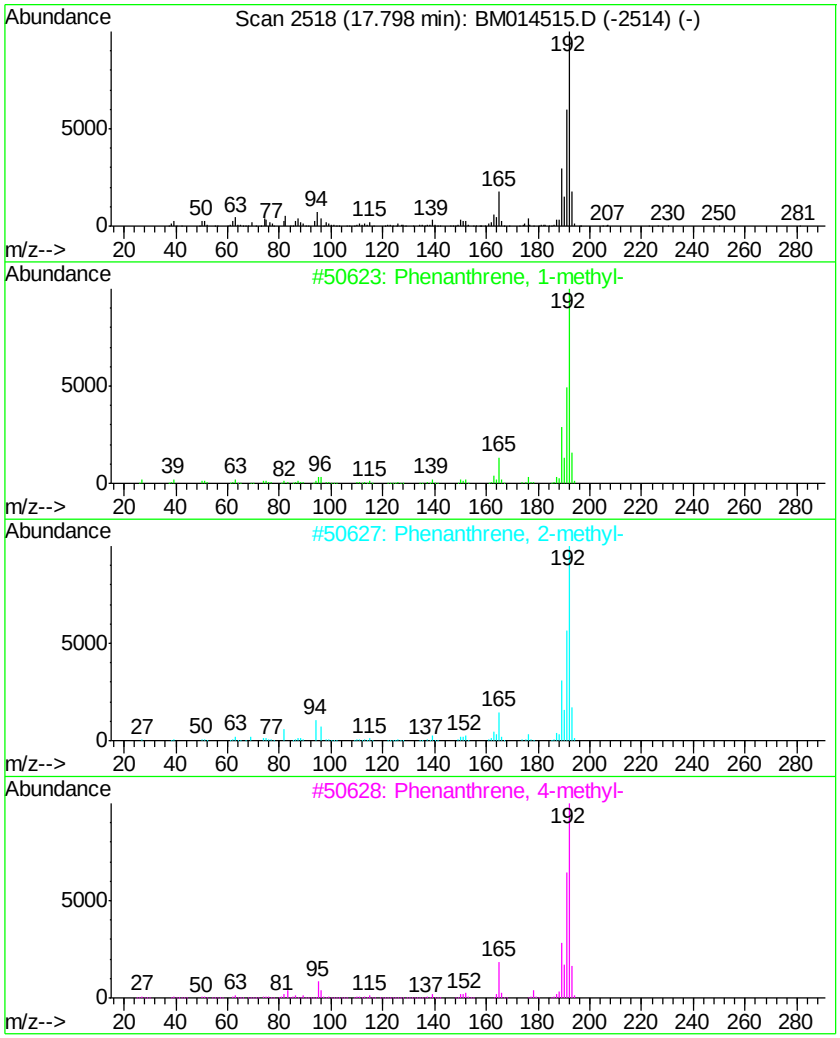
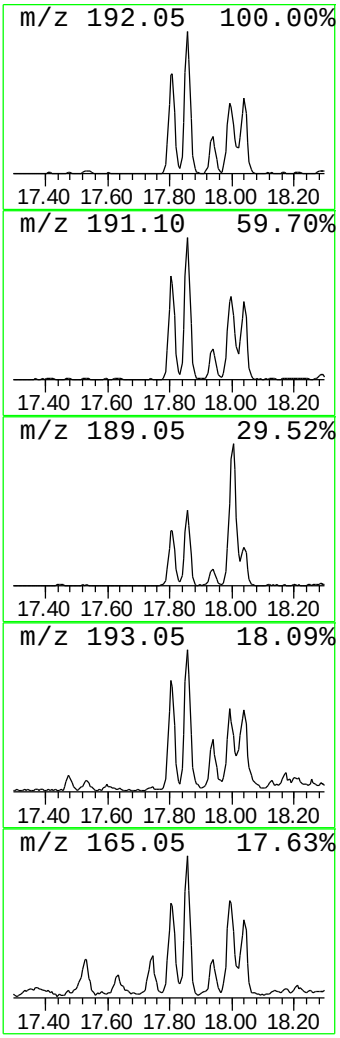
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	38.77 ng	2368340	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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ClientSampleId : SB-09-10-17

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

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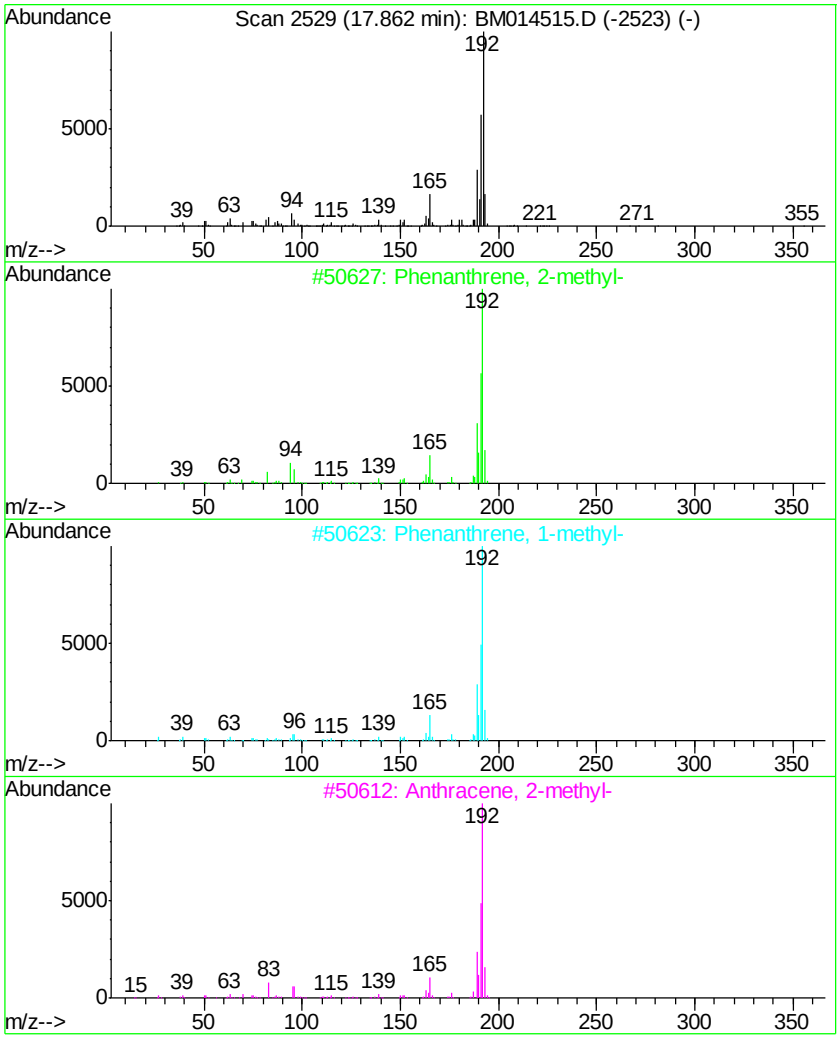
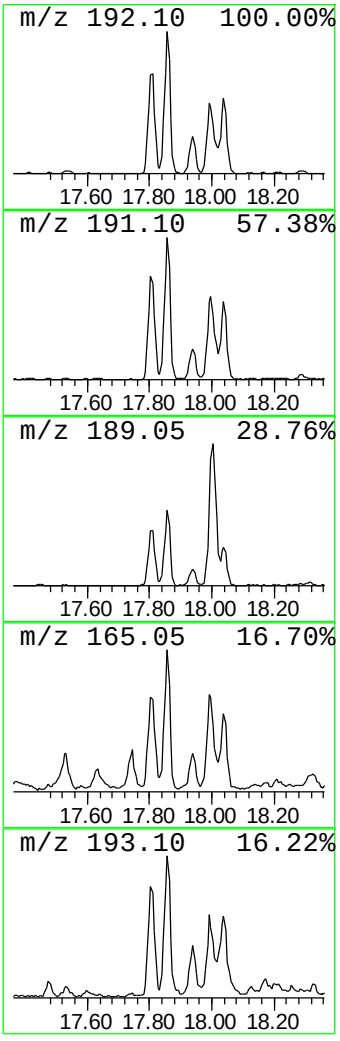
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	52.28 ng	3193910	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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

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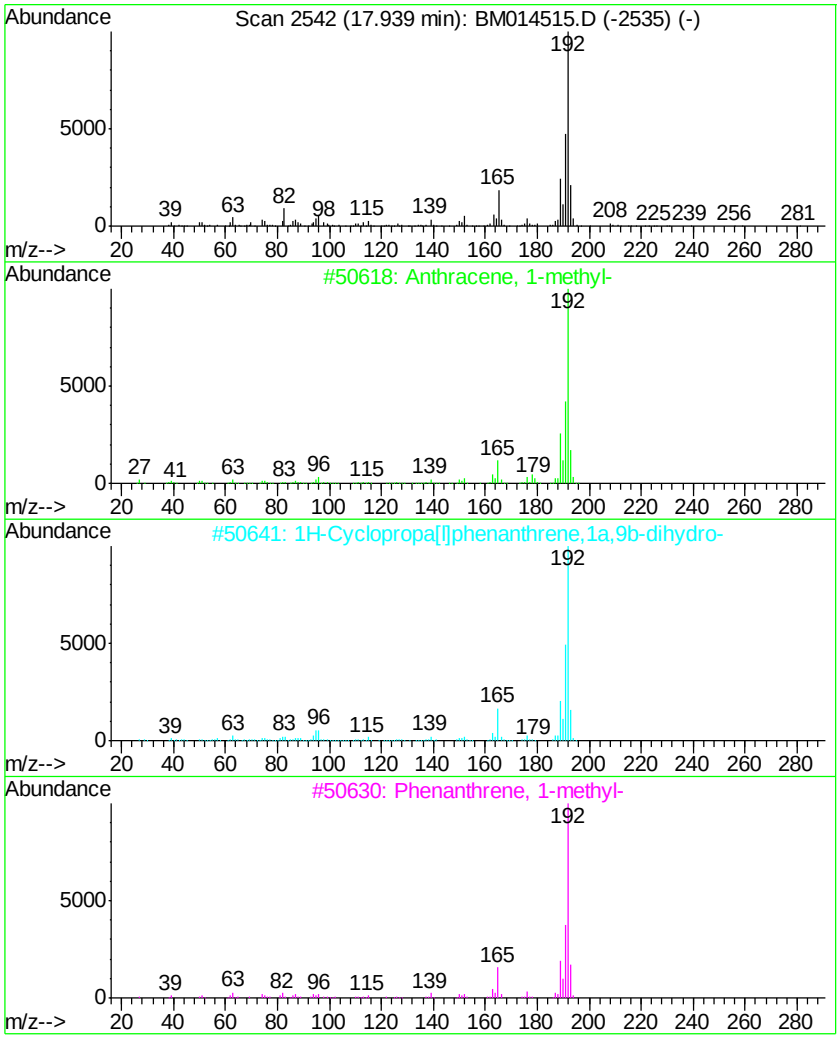
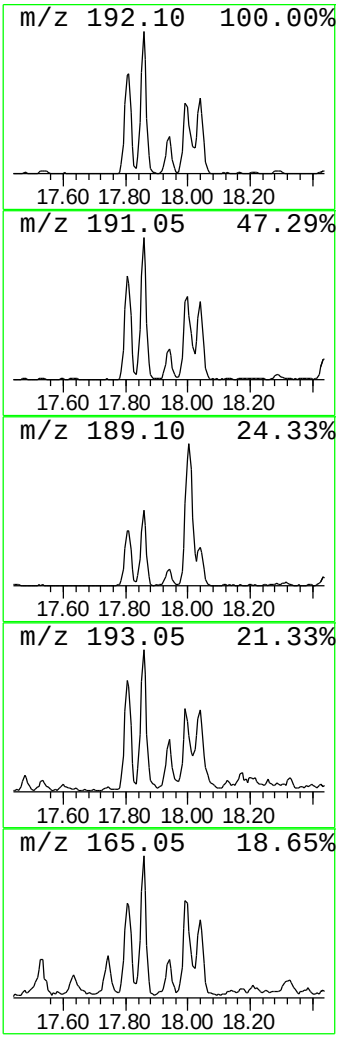
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	13.81 ng	843662	Phenanthrene-d10	16.93

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





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

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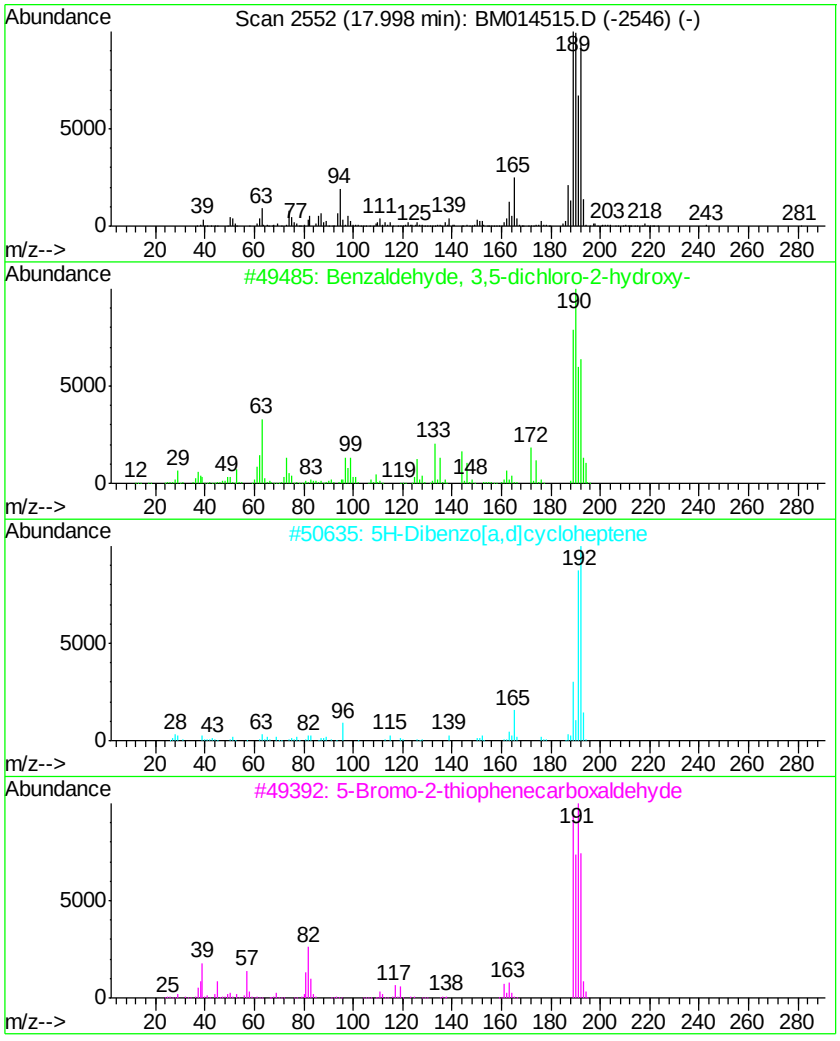
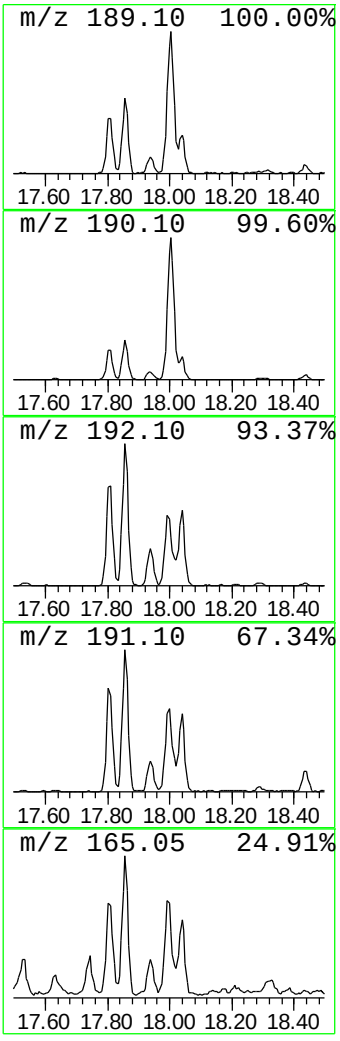
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	56.24 ng	3435440	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	9-(Chloromethyl)anthracene	226	C15H11Cl	024463-19-2	47





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

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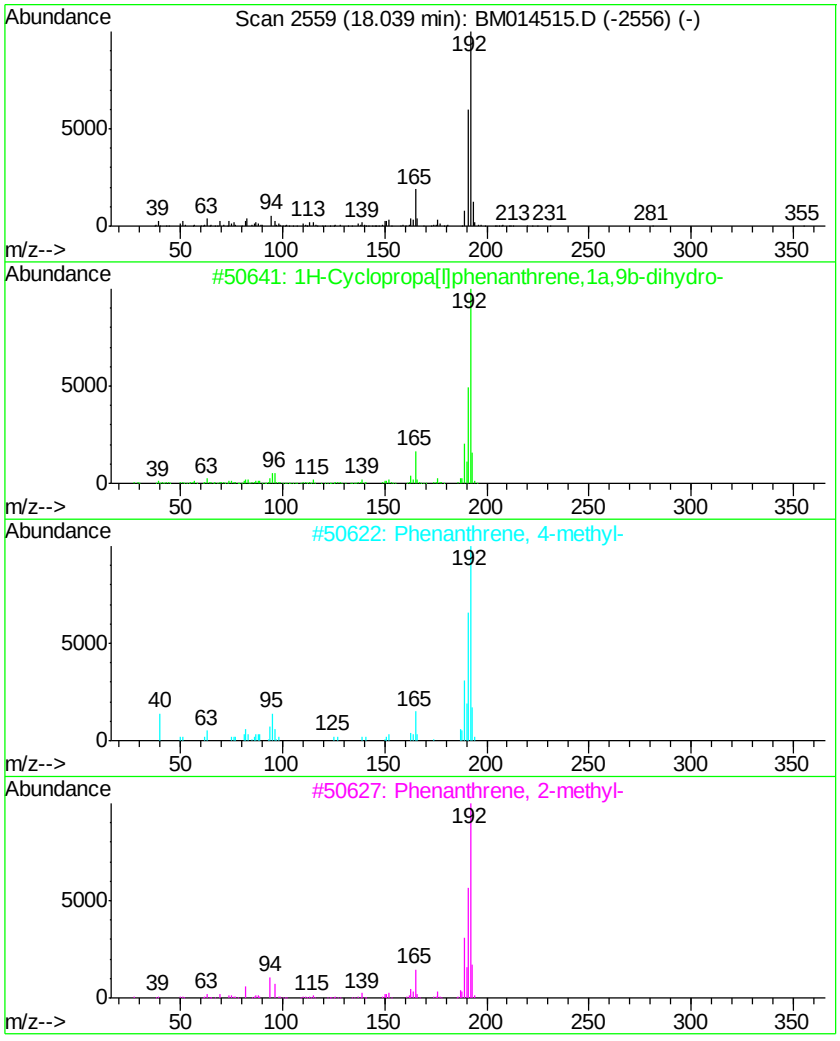
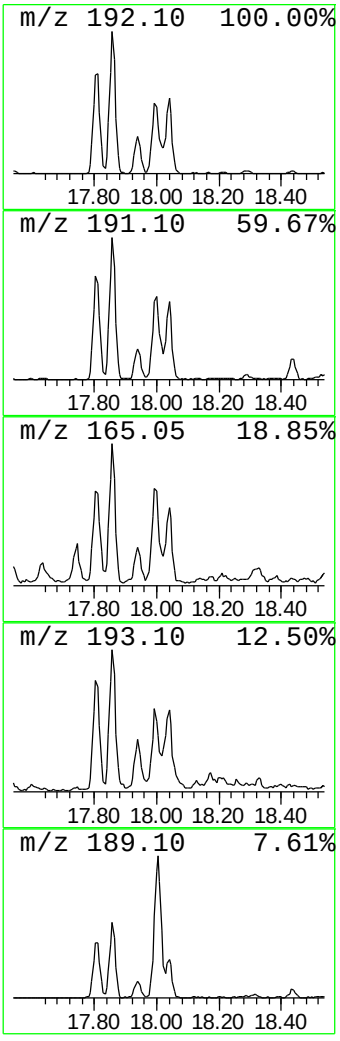
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	26.97 ng	1647560	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87





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

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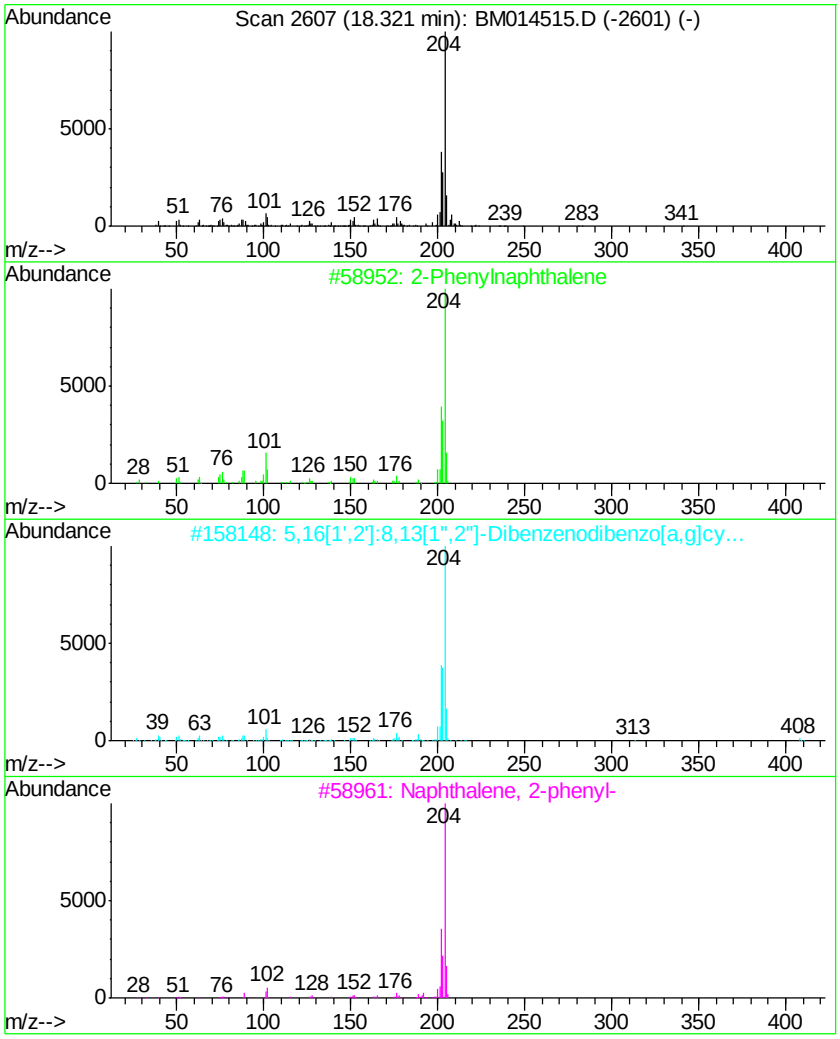
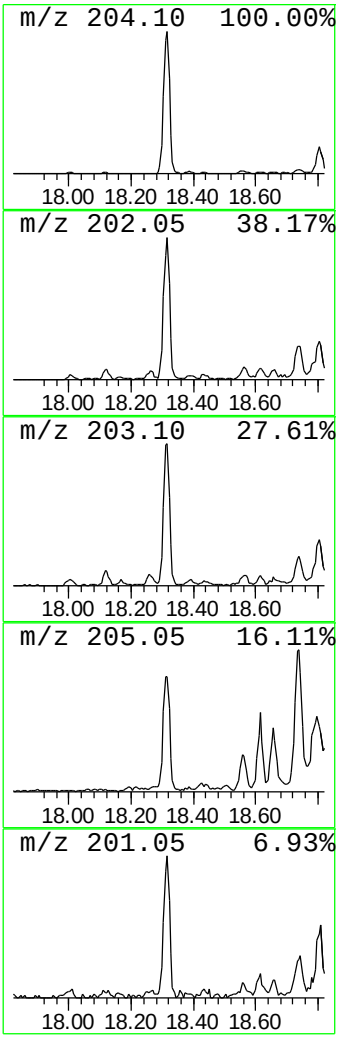
Peak Number 12 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	22.81 ng	1393260	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	58





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TIC Library : C:\DATABASE\NIST02.L
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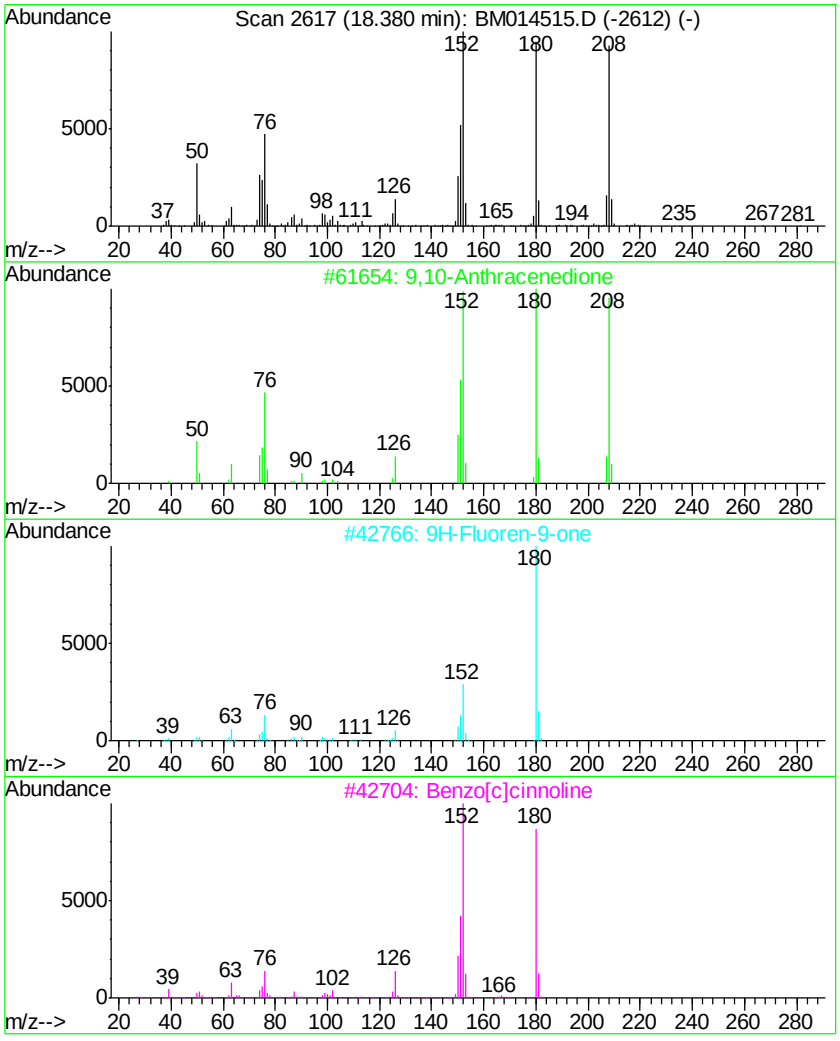
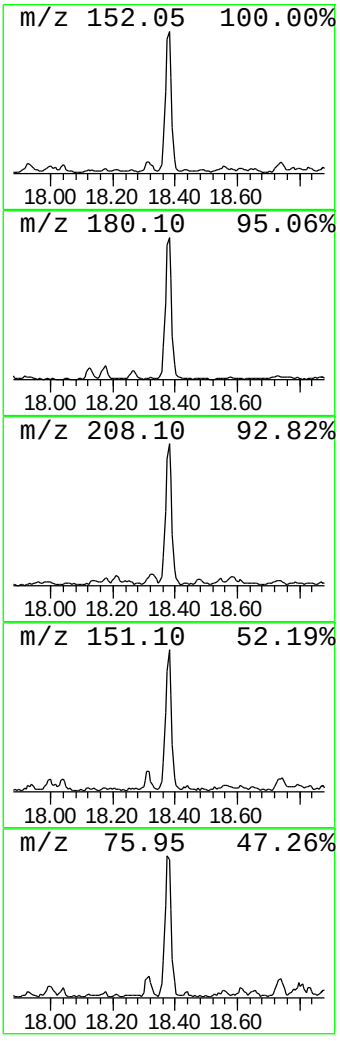
Peak Number 13 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	30.49 ng	1862480	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52





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

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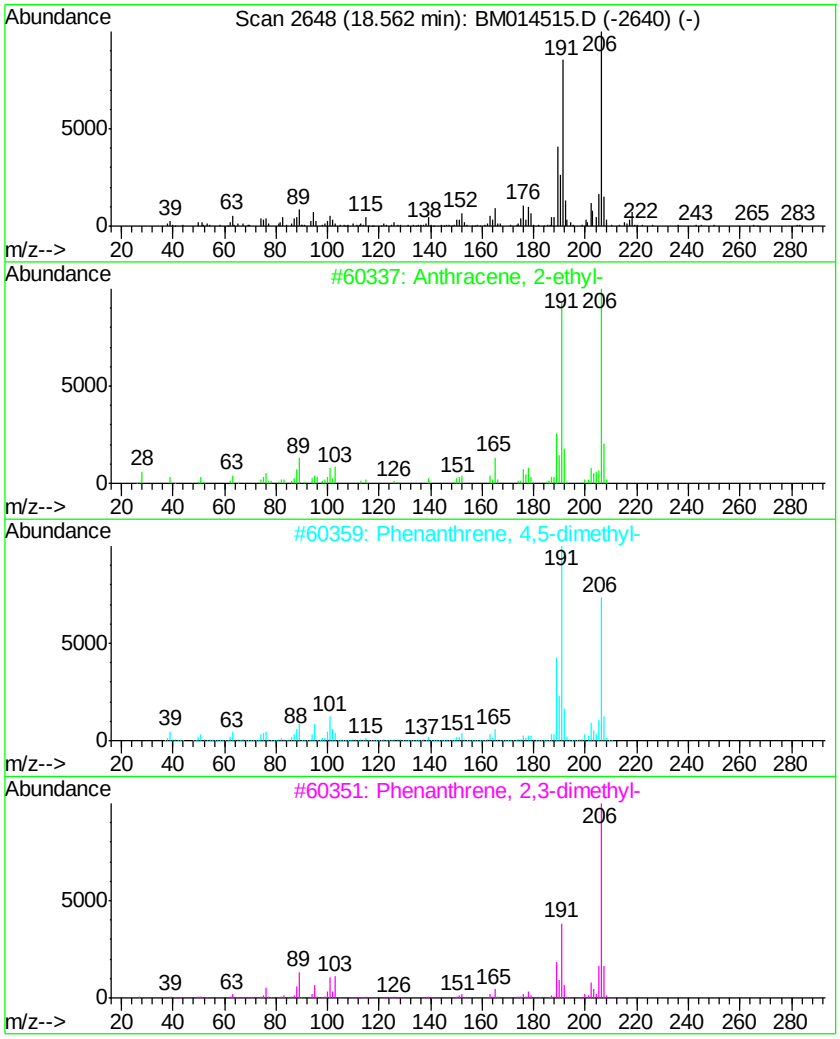
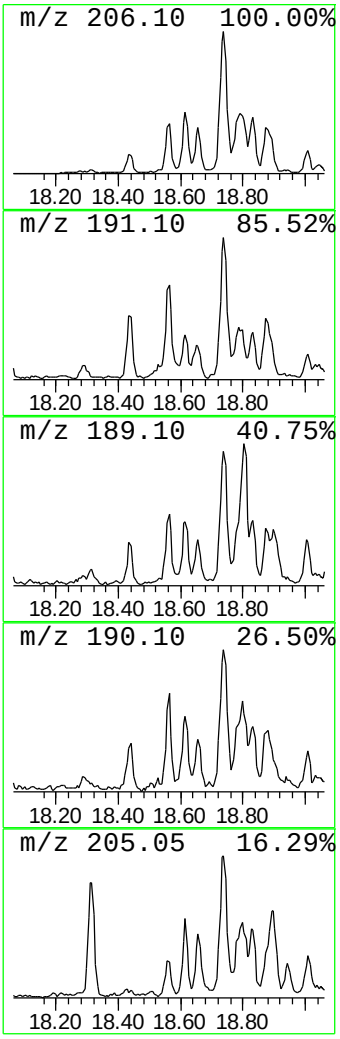
Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	13.54 ng	826978	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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TIC Integration Parameters: LSCINT.P

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Peak Number 15 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	25.61 ng	1564520	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
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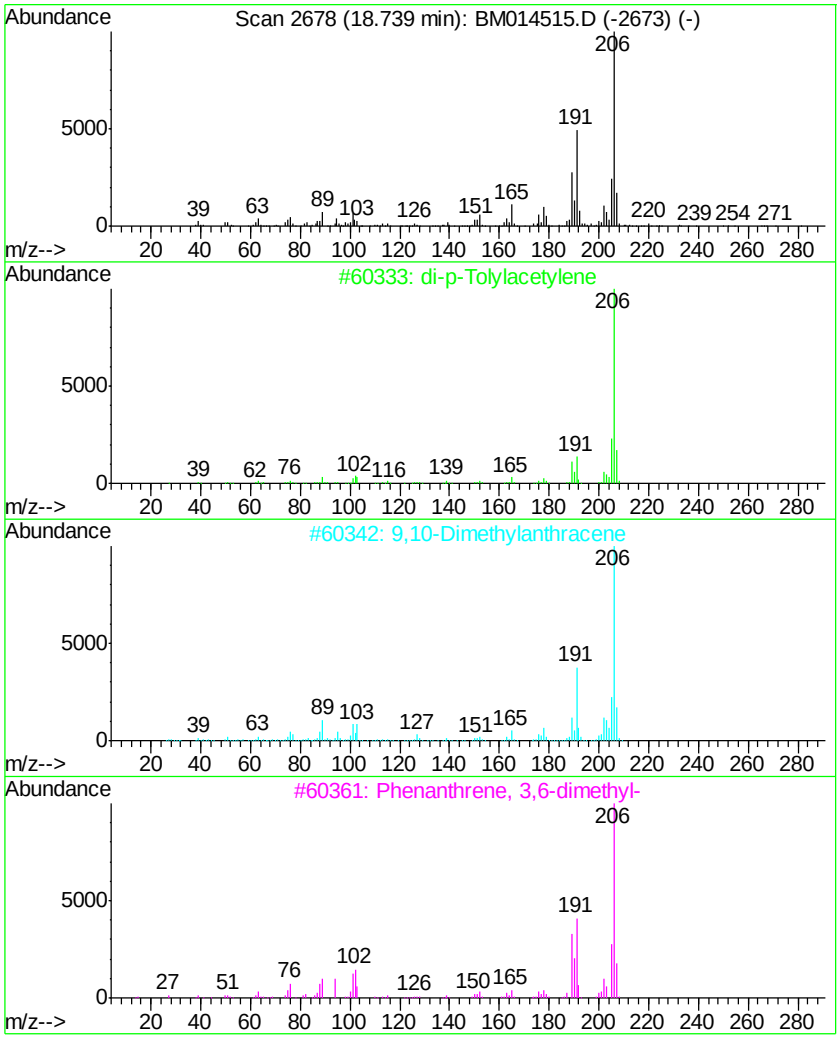

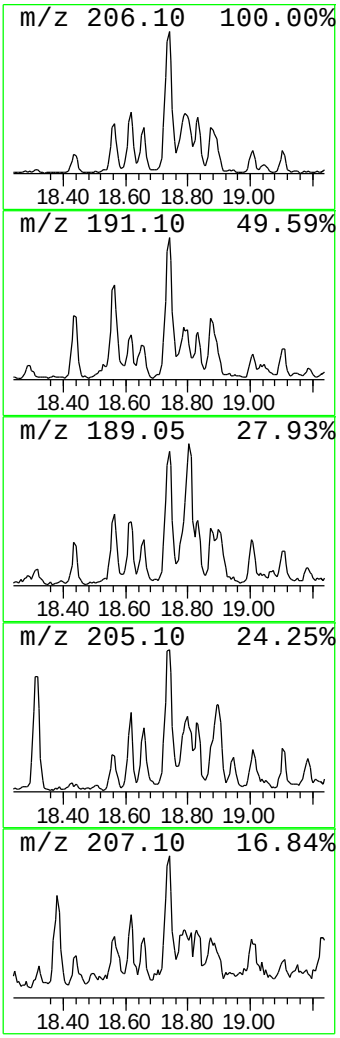

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TIC Integration Parameters: LSCINT.P

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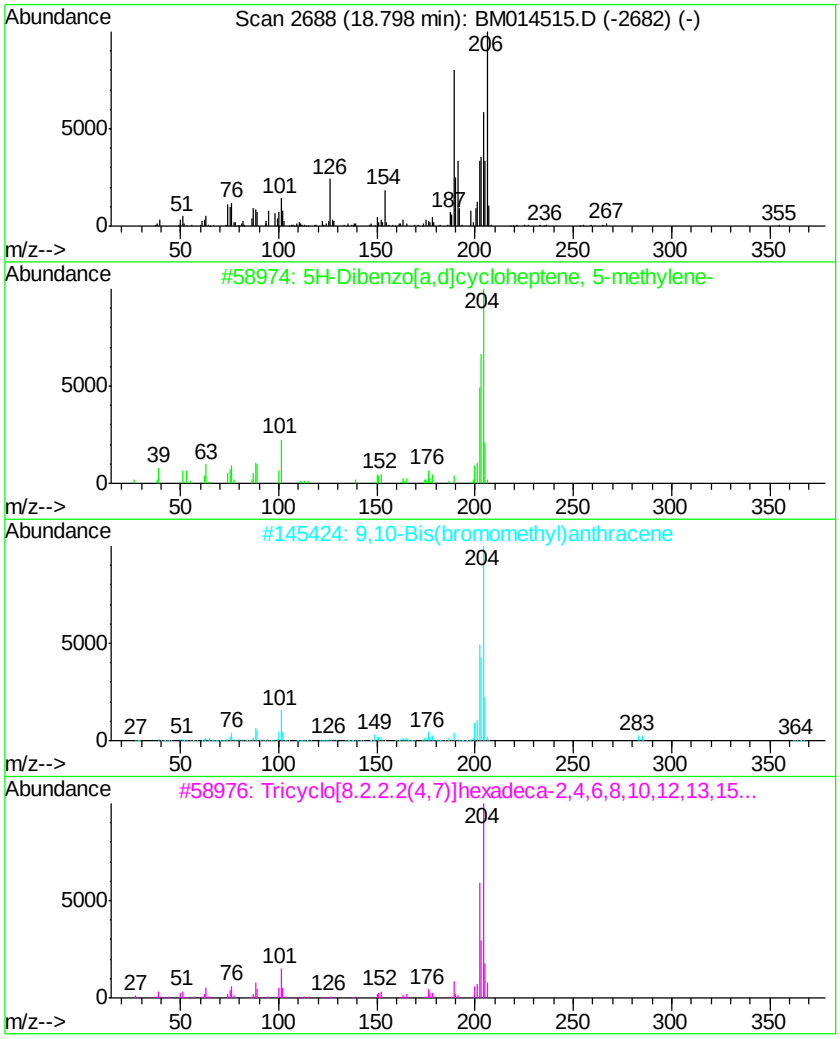
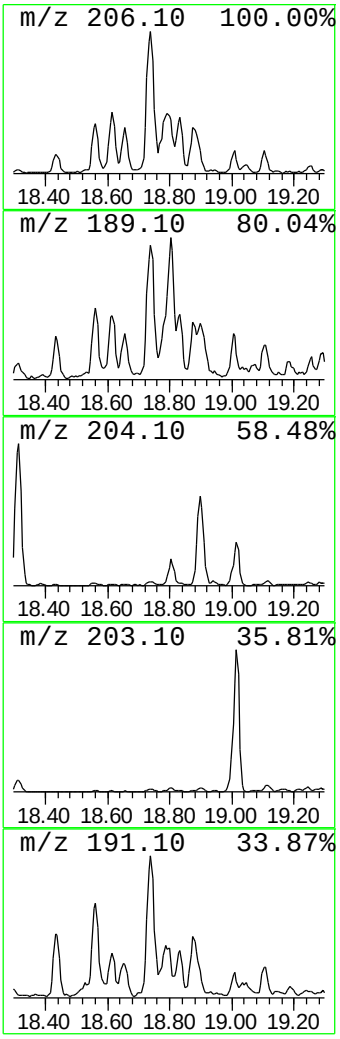
Peak Number 16 unknown18.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	12.13 ng	741083	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	48
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	41
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	30
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	27





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TIC Integration Parameters: LSCINT.P

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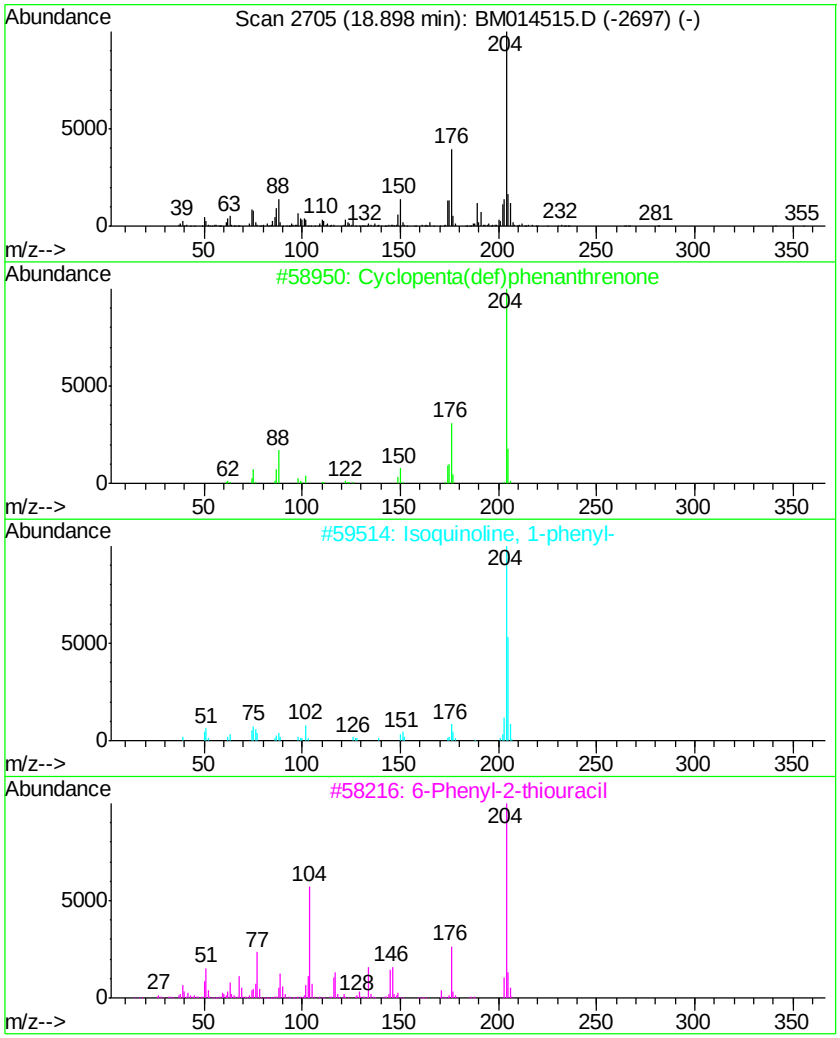
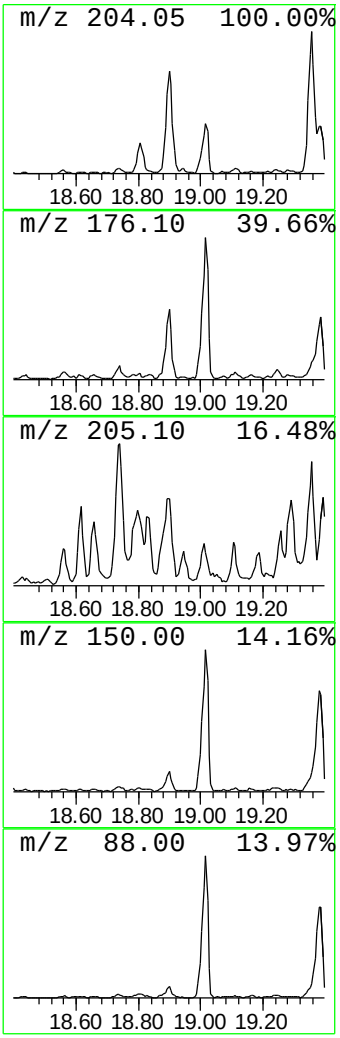
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	25.07 ng	1531330	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	56
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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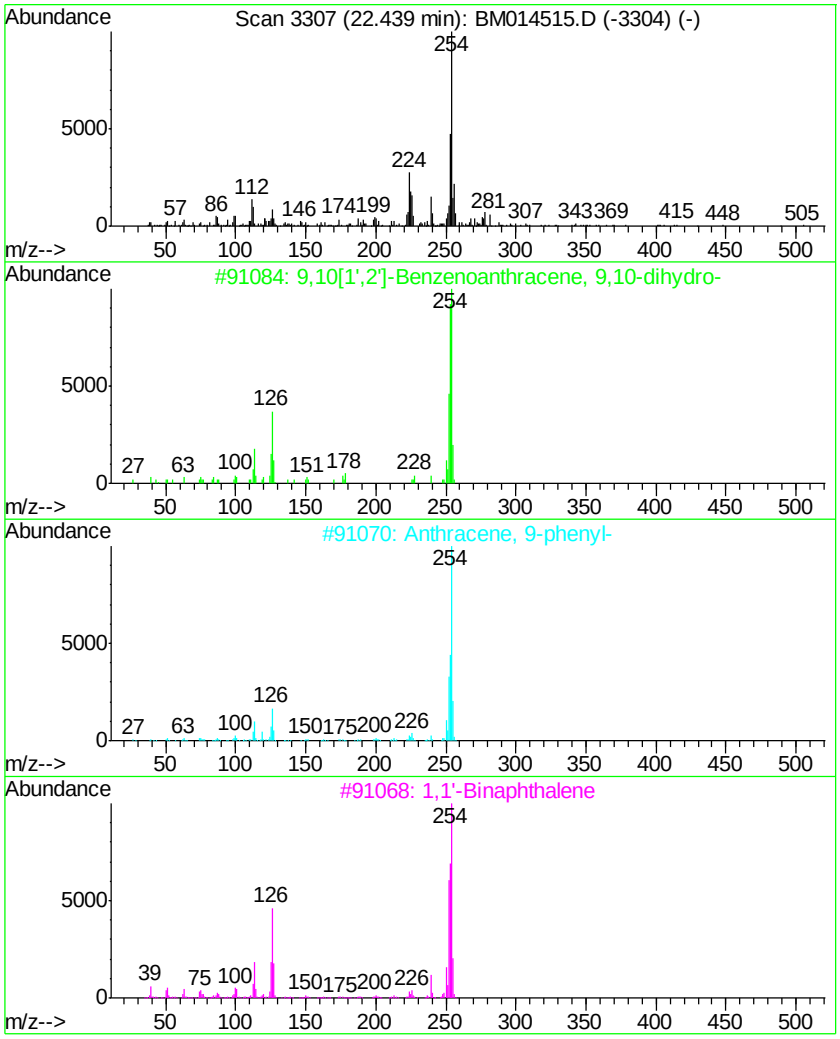
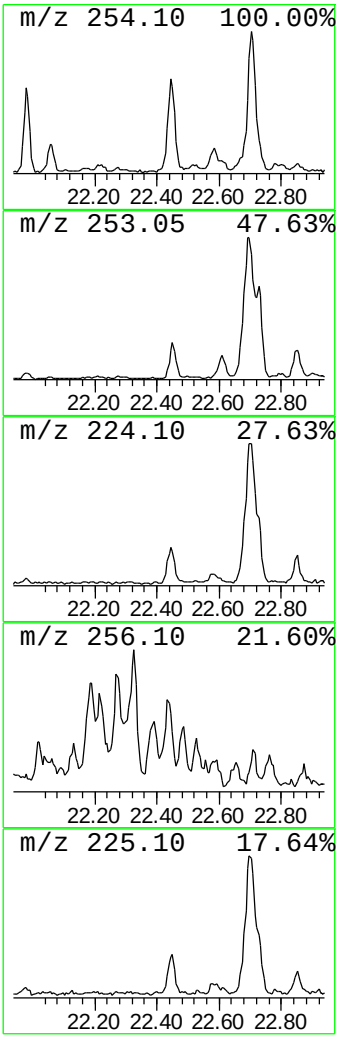
Peak Number 18 9,10[1',2']-Benzenoanthrace... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	12.70 ng	743432	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	62
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53
5	2-Propen-1-one, 3-(4-nitrophenyl...	253	C15H11NO3	001222-98-6	53





Tentatively Identified Compound (LSC) summary

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Acq On : 07 Mar 2018 01:24
Operator : SJ/JU
Sample : J1741-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-09-10-17

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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
unknown7.05	7.05	94.1	ng	3907540	1	7.50	830865	20.0
Naphthalene, 1-me...	12.17	9.1	ng	468303	2	10.27	1027100	20.0
9H-Fluoren-9-one	16.60	15.1	ng	920304	4	16.93	1221790	20.0
Dibenzothiophene	16.75	14.7	ng	894784	4	16.93	1221790	20.0
Phenanthrene, 1-m...	17.80	38.8	ng	2368340	4	16.93	1221790	20.0
Phenanthrene, 2-m...	17.86	52.3	ng	3193910	4	16.93	1221790	20.0
Anthracene, 1-met...	17.94	13.8	ng	843662	4	16.93	1221790	20.0
Benzaldehyde, 3,5...	18.00	56.2	ng	3435440	4	16.93	1221790	20.0
1H-Cyclopropa[l]p...	18.04	27.0	ng	1647560	4	16.93	1221790	20.0
2-Phenylnaphthalene	18.32	22.8	ng	1393260	4	16.93	1221790	20.0
9,10-Anthracenedione	18.38	30.5	ng	1862480	4	16.93	1221790	20.0
Anthracene, 2-ethyl-	18.56	13.5	ng	826978	4	16.93	1221790	20.0
di-p-Tolylacetylene	18.74	25.6	ng	1564520	4	16.93	1221790	20.0
unknown18.80	18.80	12.1	ng	741083	4	16.93	1221790	20.0
Cyclopenta(def)ph...	18.90	25.1	ng	1531330	4	16.93	1221790	20.0
9,10[1',2']-Benze...	22.44	12.7	ng	743432	6	23.33	1170460	20.0