LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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	4.828	306	313	321	rBV	212708	333278	1.49%	0.140%
2	6.834	645	654	672	rBV2	864831	1894515	8.49%	0.796%
3	6.998	676	682	688	rBV	657421	990552	4.44%	0.416%
4	7.193	703	715	724	rVV	901582	1446598	6.48%	0.608%
5	7.651	783	793	801	rBV	1176655	1927604	8.64%	0.810%
6	8.187	875	884	890	rBV	91566	169154	0.76%	0.071%
7	8.363	907	914	921	rVV	1042880	1670443	7.48%	0.702%
8	8.804	983	989	996	rBV	800116	1338944	6.00%	0.563%
9	9.522	1102	1111	1122	rBV	694989	1200453	5.38%	0.504%
10	10.057	1194	1202	1212	rBV	1079671	1855605	8.31%	0.780%
11	10.428	1256	1265	1269	rBV	1796580	3070442	13.76%	1.290%
12	10.481	1269	1274	1282	rVB	1080503	1829501	8.20%	0.769%
13	10.575	1282	1290	1300	rBV	689343	1305517	5.85%	0.548%
14	11.963	1517	1526	1533	rBV2	405421	766914	3.44%	0.322%
15	12.098	1542	1549	1556	rVB	559051	911665	4.08%	0.383%
16	12.316	1580	1586	1595	rVB	284137	477524	2.14%	0.201%
17	13.122	1718	1723	1734	rVB2	182993	295751	1.32%	0.124%
18	13.451	1771	1779	1780	rBV	111316	180759	0.81%	0.076%
19	13.557	1790	1797	1801	rBV4	136999	213705	0.96%	0.090%
20	13.616	1801	1807	1811	rVB	160171	280885	1.26%	0.118%
21	13.669	1811	1816	1819	rBV	116224	163004	0.73%	0.068%
22	13.716	1819	1824	1828	rBV	1913538	2579464	11.56%	1.084%
23	13.763	1828	1832	1839	rVB	512839	787252	3.53%	0.331%
24	13.986	1859	1870	1874	rBV	2347591	3700025	16.58%	1.554%
25	14.116	1888	1892	1898	rVB2	134456	190595	0.85%	0.080%
26	14.192	1899	1905	1913	rVB3	255518	412034	1.85%	0.173%
27	14.298	1913	1923	1929	rBV2	2674831	4237166	18.98%	1.780%
28	14.363	1929	1934	1942	rVB2	256824	426870	1.91%	0.179%
29	14.445	1942	1948	1953	rVB3	95675	167285	0.75%	0.070%
30	14.521	1953	1961	1970	rBV	568987	1208268	5.41%	0.508%
31	14.698	1981	1991	1996	rBV	600571	1032799	4.63%	0.434%
32	15.292	2086	2092	2098	rBV	3027104	4174253	18.70%	1.754%
33	15.345	2098	2101	2108	rVB2	177935	283832	1.27%	0.119%
34	15.421	2109	2114	2120	rBV	863918	1257616	5.63%	0.528%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

35	15.574	2136	2140	2147	rVB5	80759	171889	0.77%	0.072%
36	15.645	2147	2152	2158	rBV	143382	216247	0.97%	0.091%
37	15.792	2173	2177	2185	rVB	177510	378443	1.70%	0.159%
38	16.027	2212	2217	2225	rBV3	421544	927487	4.16%	0.390%
39	16.327	2262	2268	2272	rBV2	129853	243677	1.09%	0.102%
40	16.627	2315	2319	2322	rVB2	112782	150251	0.67%	0.063%
41	16.704	2327	2332	2340	rVB	836405	1215356	5.44%	0.511%
42	16.780	2341	2345	2349	rBV3	108939	196381	0.88%	0.083%
43	16.868	2356	2360	2368	rVB	225907	334449	1.50%	0.141%
44	17.051	2384	2391	2394	rBV	3399812	5012188	22.46%	2.106%
45	17.092	2394	2398	2402	rVV	2270764	3096203	13.87%	1.301%
46	17.145	2402	2407	2410	rVV2	3233956	4497531	20.15%	1.890%
47	17.180	2410	2413	2419	rVB	2420327	3313773	14.85%	1.392%
48	17.245	2419	2424	2428	rBV2	169073	278604	1.25%	0.117%
49	17.457	2451	2460	2469	rBV	805041	1416436	6.35%	0.595%
50	17.557	2473	2477	2485	rVB3	169730	318028	1.42%	0.134%
51	17.627	2485	2489	2494	rBV5	125145	260090	1.17%	0.109%
52	17.898	2530	2535	2537	rBV	303398	458628	2.05%	0.193%
53	17.957	2541	2545	2553	rVB2	1018647	1649709	7.39%	0.693%
54	18.051	2558	2561	2566	rVB	237117	312872	1.40%	0.131%
55	18.121	2567	2573	2577	rBV2	367191	760755	3.41%	0.320%
56	18.427	2623	2625	2628	rVB	187453	190820	0.85%	0.080%
57	18.468	2628	2632	2639	rVB	752031	1081252	4.84%	0.454%
58	18.768	2679	2683	2687	rVB2	125645	169079	0.76%	0.071%
59	18.862	2693	2699	2702	rBV2	499731	872971	3.91%	0.367%
60	18.992	2716	2721	2728	rBV	1372411	1934684	8.67%	0.813%
61	19.115	2736	2742	2749	rBV	9061743	11784040	52.79%	4.951%
62	19.215	2756	2759	2761	rBV	226443	290816	1.30%	0.122%
63	19.451	2794	2799	2801	rBV2	4784471	7258513	32.52%	3.049%
64	19.480	2801	2804	2812	rVV	9626419	13023446	58.35%	5.471%
65	19.551	2813	2816	2823	rVB3	395890	694857	3.11%	0.292%
66	19.656	2831	2834	2839	rVB	376196	504537	2.26%	0.212%
67	19.721	2841	2845	2850	rVB	1374537	1924865	8.62%	0.809%
68	19.803	2854	2859	2866	rBV3	635333	1466807	6.57%	0.616%
69	19.939	2877	2882	2891	rVB6	787161	2532792	11.35%	1.064%
70	20.074	2902	2905	2908	rVB	387203	402763	1.80%	0.169%
71	20.133	2909	2915	2918	rBV3	1013311	1716540	7.69%	0.721%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

72	20.168	2918	2921	2926	rVB4	461171	645004	2.89%	0.271%
73	20.274	2935	2939	2942	rBV	720045	914491	4.10%	0.384%
74	20.333	2943	2949	2953	rBV2	1829032	2790339	12.50%	1.172%
75	20.374	2954	2956	2957	rBV	243470	201532	0.90%	0.085%
76	20.680	3006	3008	3012	rBV2	224366	292636	1.31%	0.123%
77	20.727	3012	3016	3023	rVB2	1298568	1936275	8.67%	0.813%
78	20.892	3038	3044	3047	rBV2	1027695	1830435	8.20%	0.769%
79	20.927	3047	3050	3053	rVV	1151432	1387651	6.22%	0.583%
80	20.968	3053	3057	3062	rVV2	2631518	3592849	16.10%	1.509%
81	21.021	3063	3066	3074	rVB	957679	1346713	6.03%	0.566%
82	21.239	3094	3103	3108	rBV2	6972332	17041851	76.35%	7.160%
83	21.286	3108	3111	3117	rVB	5981392	7856951	35.20%	3.301%
84	21.403	3127	3131	3137	rBV4	1153381	2255711	10.11%	0.948%
85	21.550	3152	3156	3161	rBV2	977650	1524702	6.83%	0.641%
86	21.609	3162	3166	3169	rBV3	731278	1198275	5.37%	0.503%
87	21.839	3202	3205	3212	rVB3	1946461	3548774	15.90%	1.491%
88	21.986	3227	3230	3233	rBV	587920	708647	3.17%	0.298%
89	22.550	3320	3326	3335	rVB4	868276	2486673	11.14%	1.045%
90	22.803	3362	3369	3374	rBV	9830176	22320929	100.00%	9.377%
91	22.968	3392	3397	3403	rBV	1406588	2168432	9.71%	0.911%
92	23.097	3415	3419	3427	rBV2	583557	1215110	5.44%	0.510%
93	23.274	3443	3449	3453	rBV	4583831	8571251	38.40%	3.601%
94	23.321	3453	3457	3460	rVV	2767094	4765096	21.35%	2.002%
95	23.368	3460	3465	3471	rVB	4889563	8961424	40.15%	3.765%
96	23.456	3475	3480	3485	rVV	2911868	5673164	25.42%	2.383%
97	23.509	3485	3489	3496	rVB2	1674008	3418280	15.31%	1.436%
98	23.980	3566	3569	3577	rVB2	824198	1533911	6.87%	0.644%
99	25.668	3848	3856	3871	rVB2	2845210	9752442	43.69%	4.097%
100	26.338	3963	3970	3980	rVB	1461112	4249580	19.04%	1.785%

Sum of corrected areas: 238027179

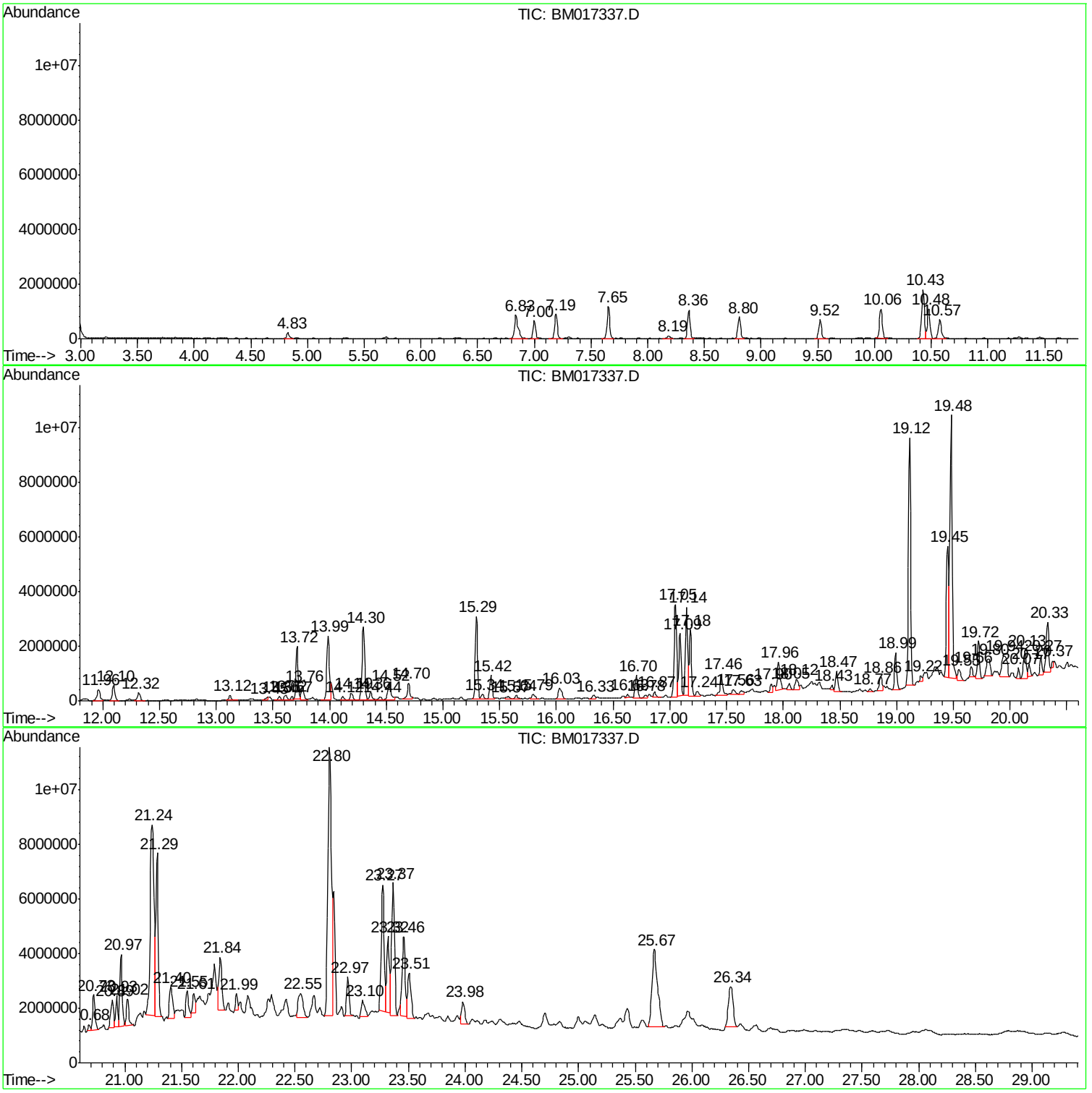
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

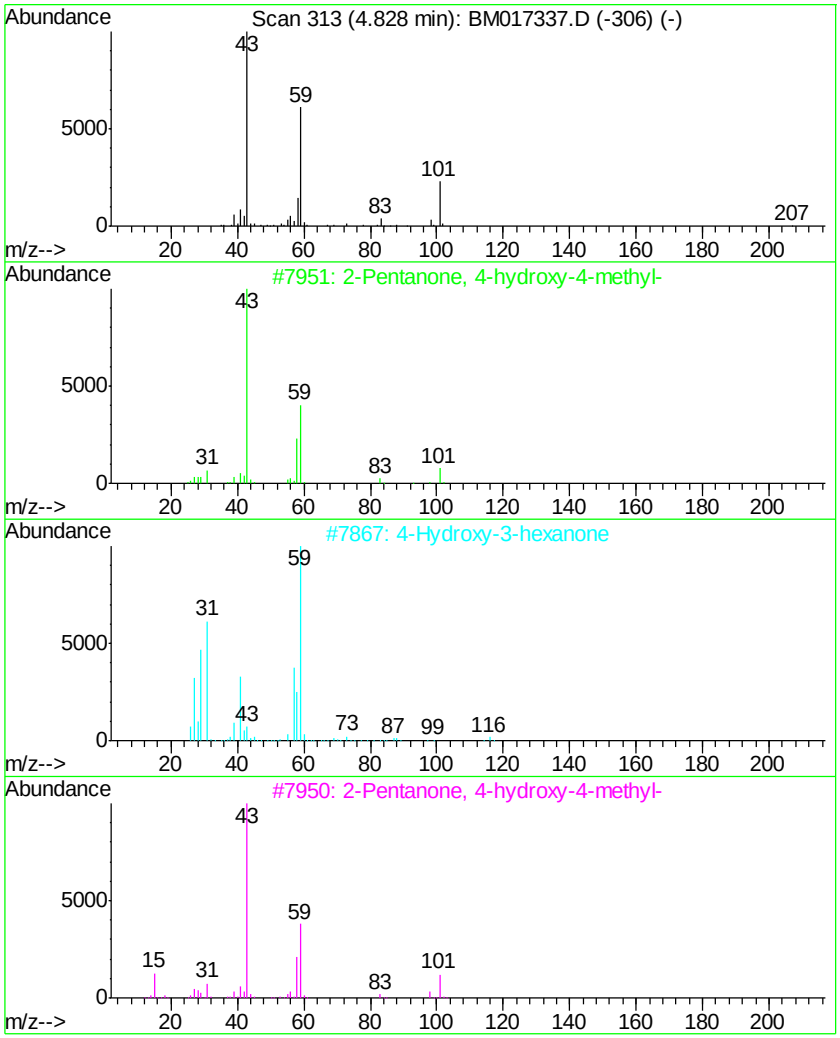
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

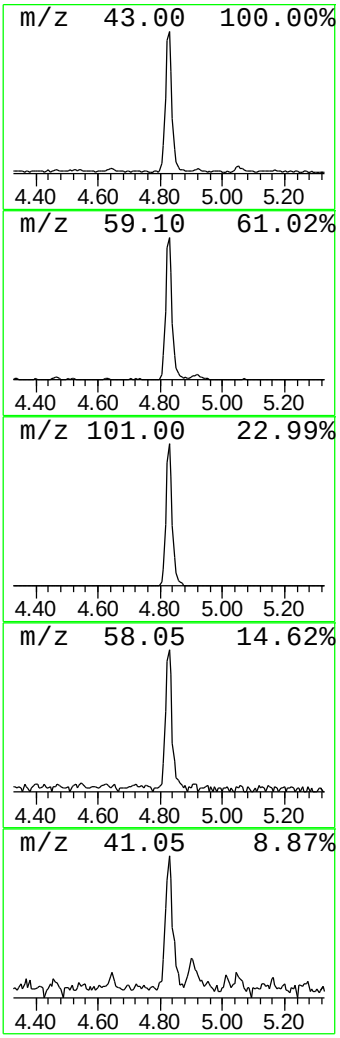
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	3.46 ng/ul	333278	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	32
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

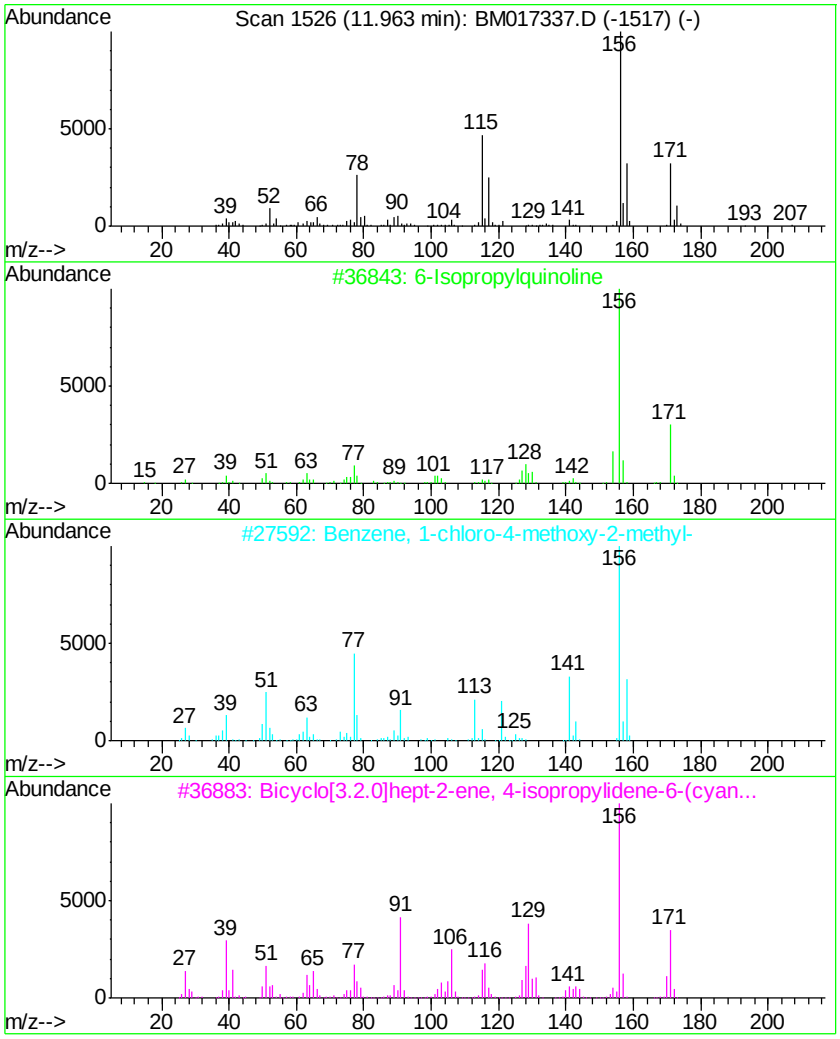
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

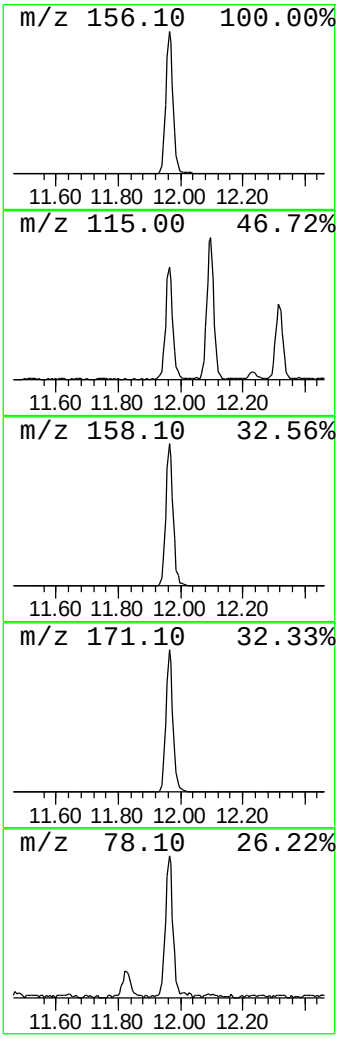
****

Peak Number 2 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.00 ng/ul	766914	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	38
2	Benzene, 1-chloro-4-methoxy-2-me...	156	C8H9ClO	013334-71-9	35
3	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32
4	2,2'-Bipyridine	156	C10H8N2	000366-18-7	27
5	Chloroxylenol	156	C8H9ClO	000088-04-0	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

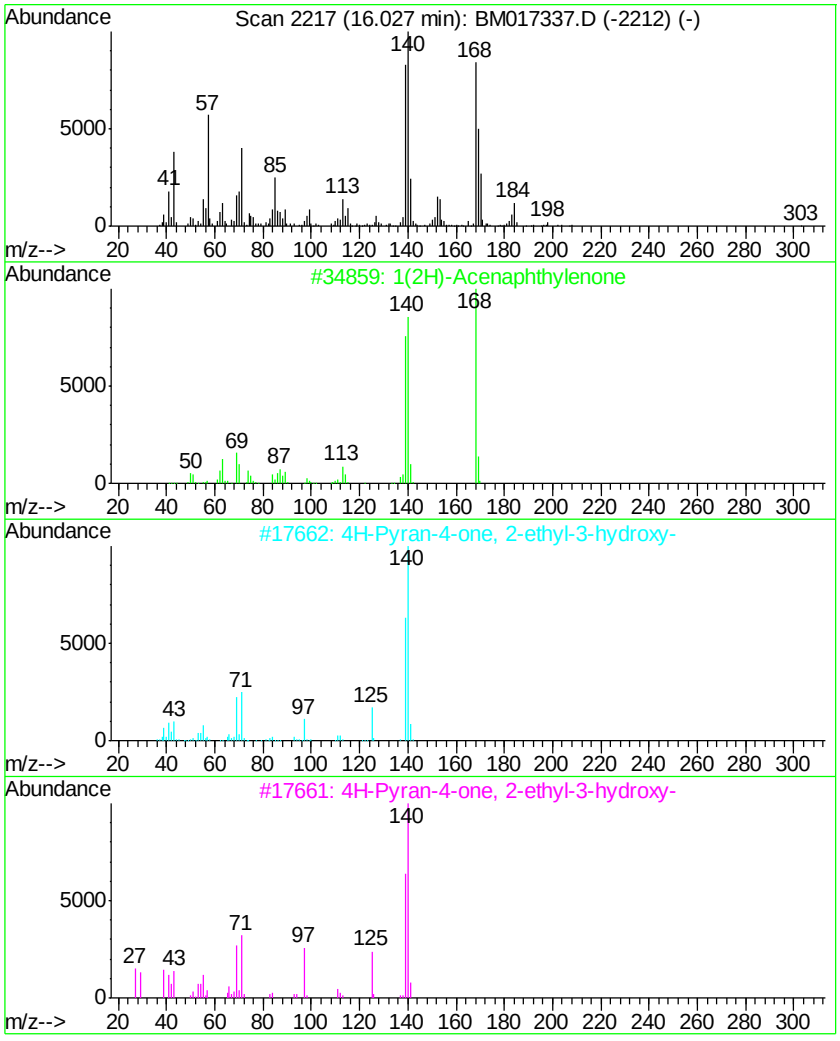
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

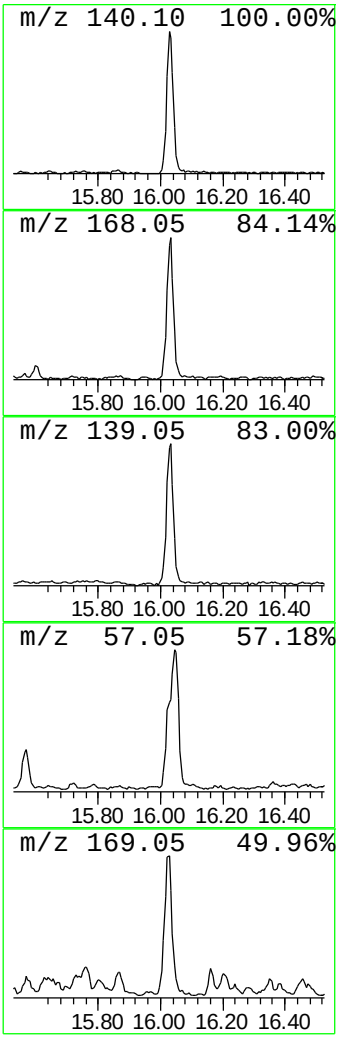
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	3.70 ng/ul	927487	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	52
2	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	38
3	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	38
4	Benzoic acid, 4-chloro-, methyl ...	170	C8H7ClO2	001126-46-1	35
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

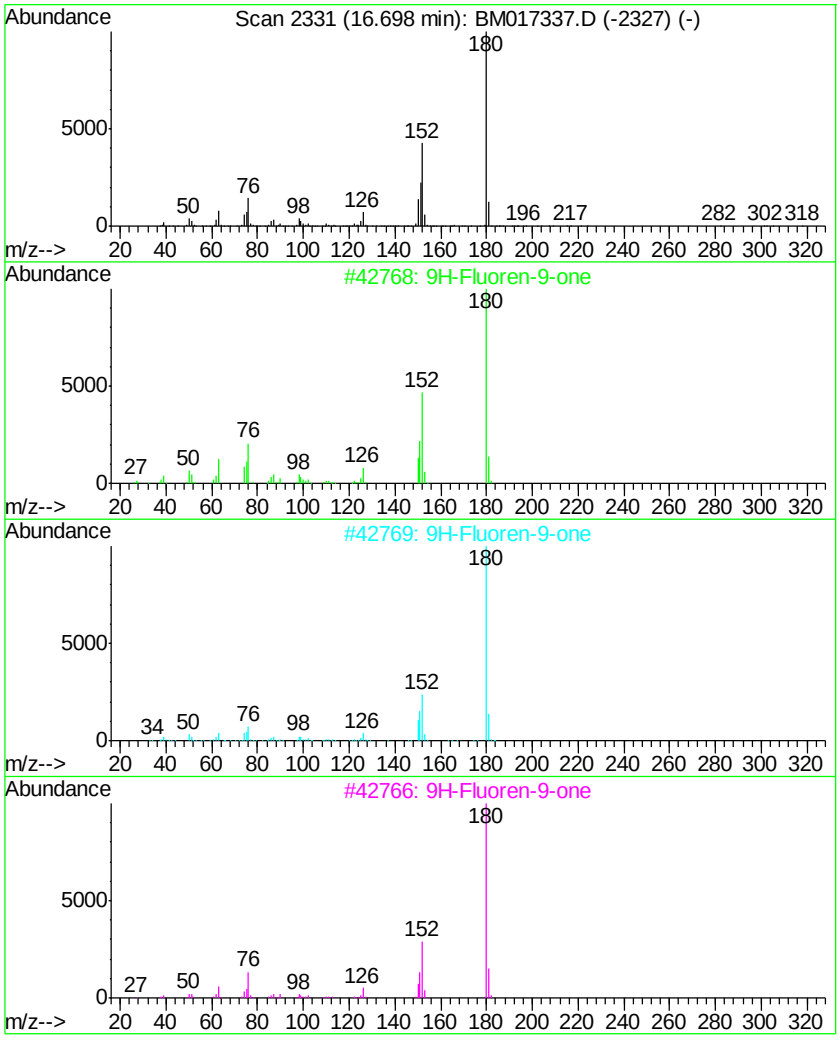
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

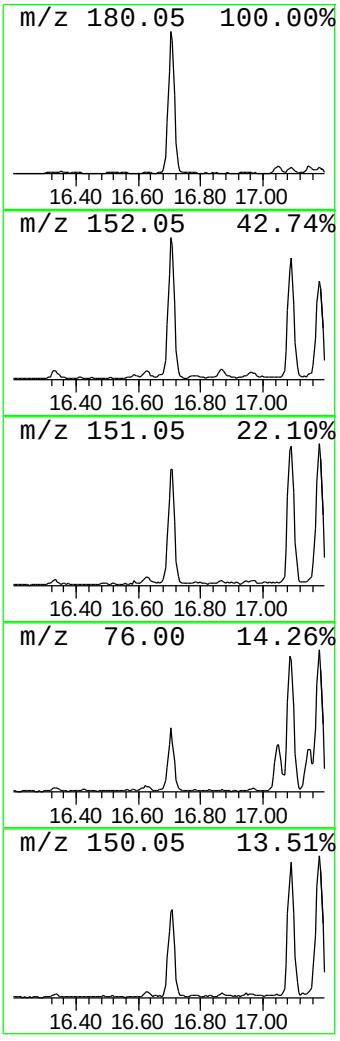
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	4.85 ng/ul	1215360	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

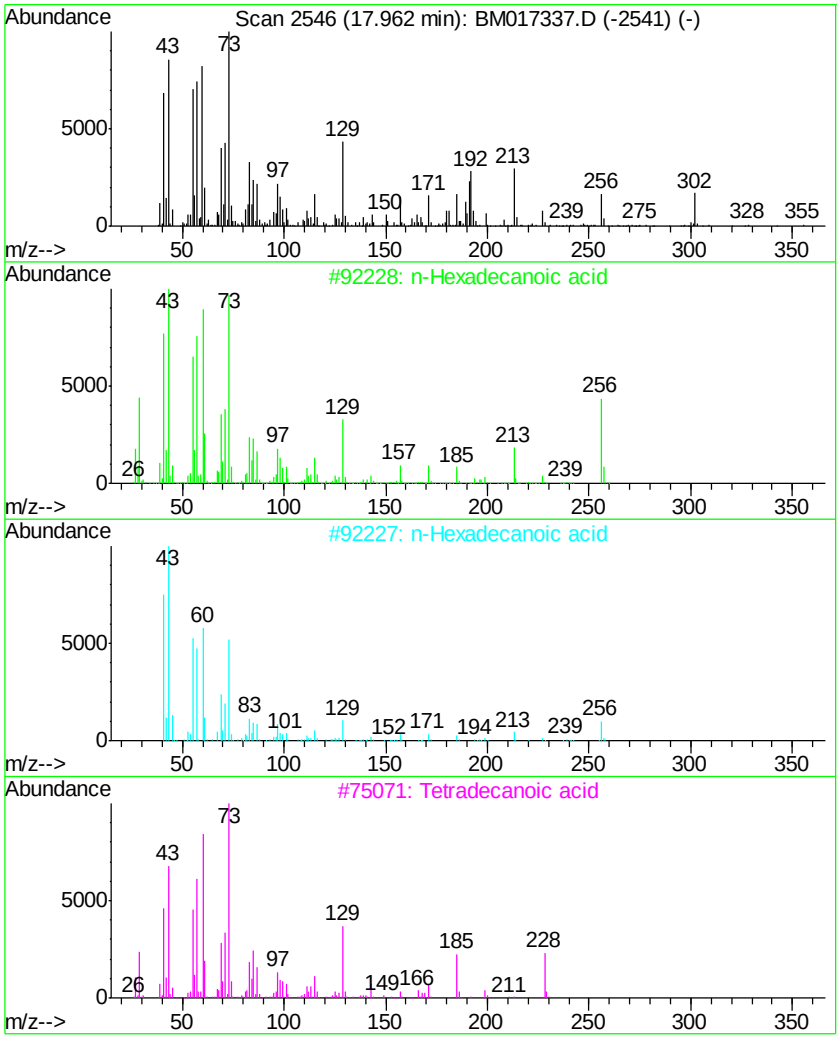
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

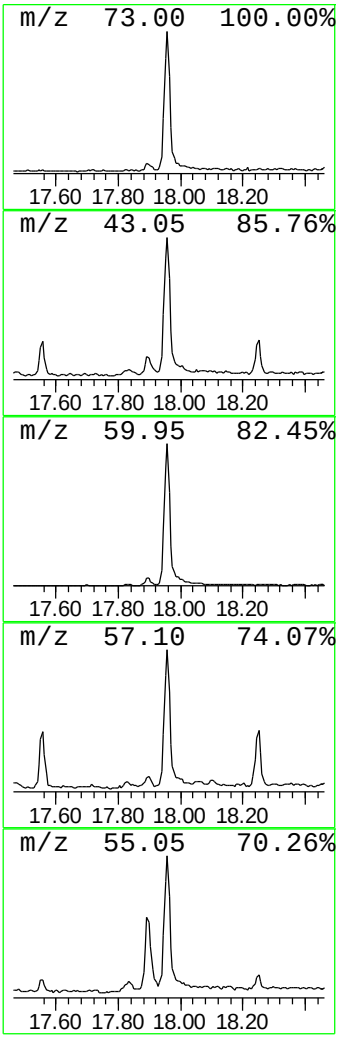
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.58 ng/ul	1649710	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





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Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

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Quant Title : SVOA CALIBRATION

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

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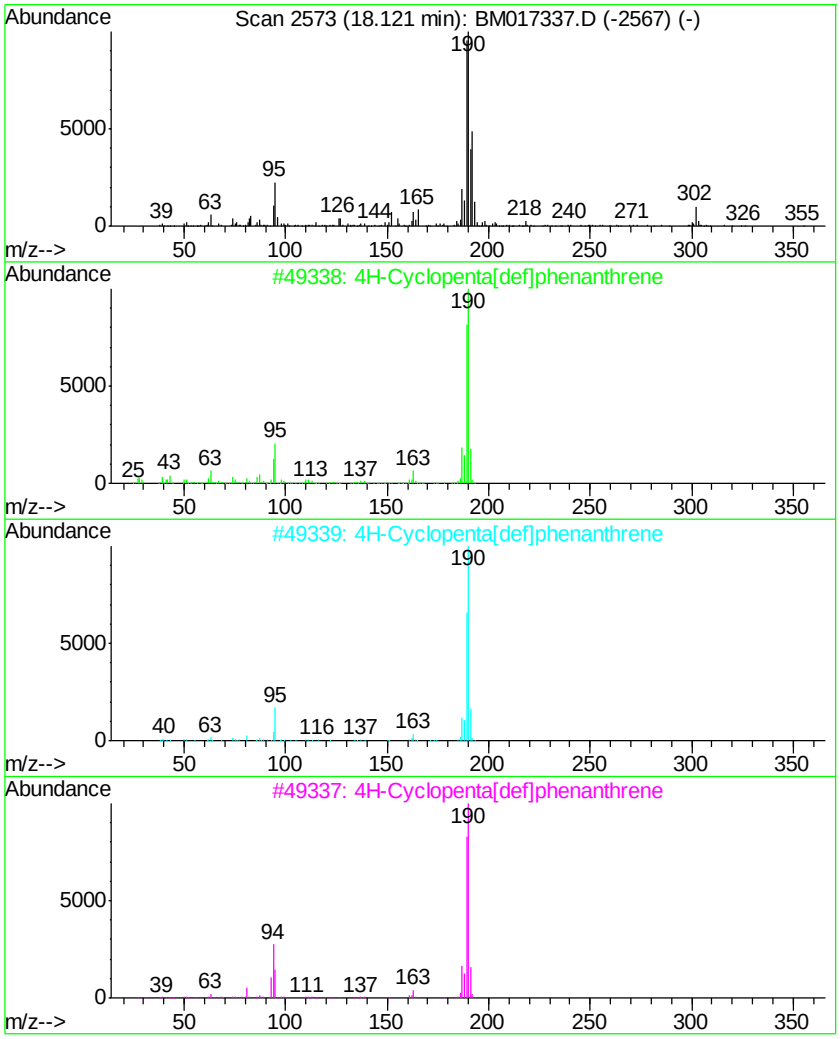
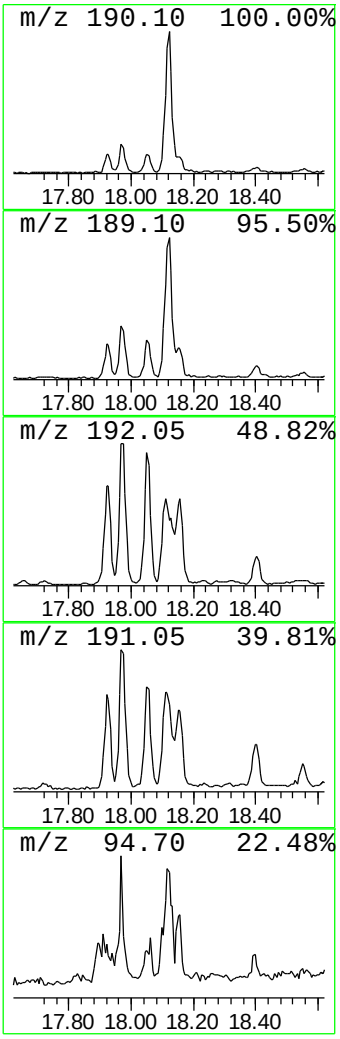
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.04 ng/ul	760755	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	30





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Instrument : BNA_M
ClientSampleId : C0AE4

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Quant Title : SVOA CALIBRATION

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

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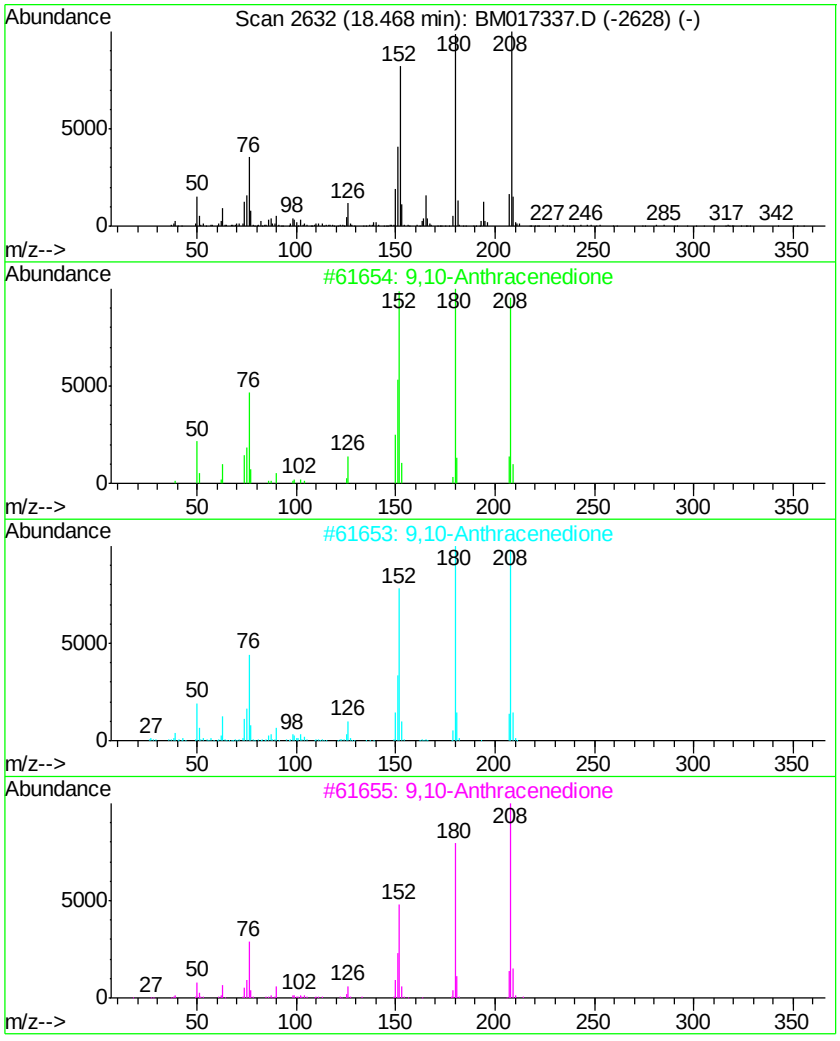
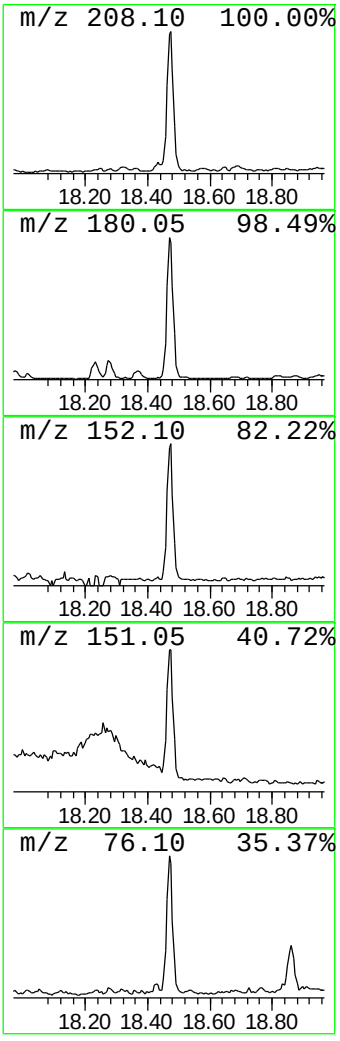
Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	4.31 ng/ul	1081250	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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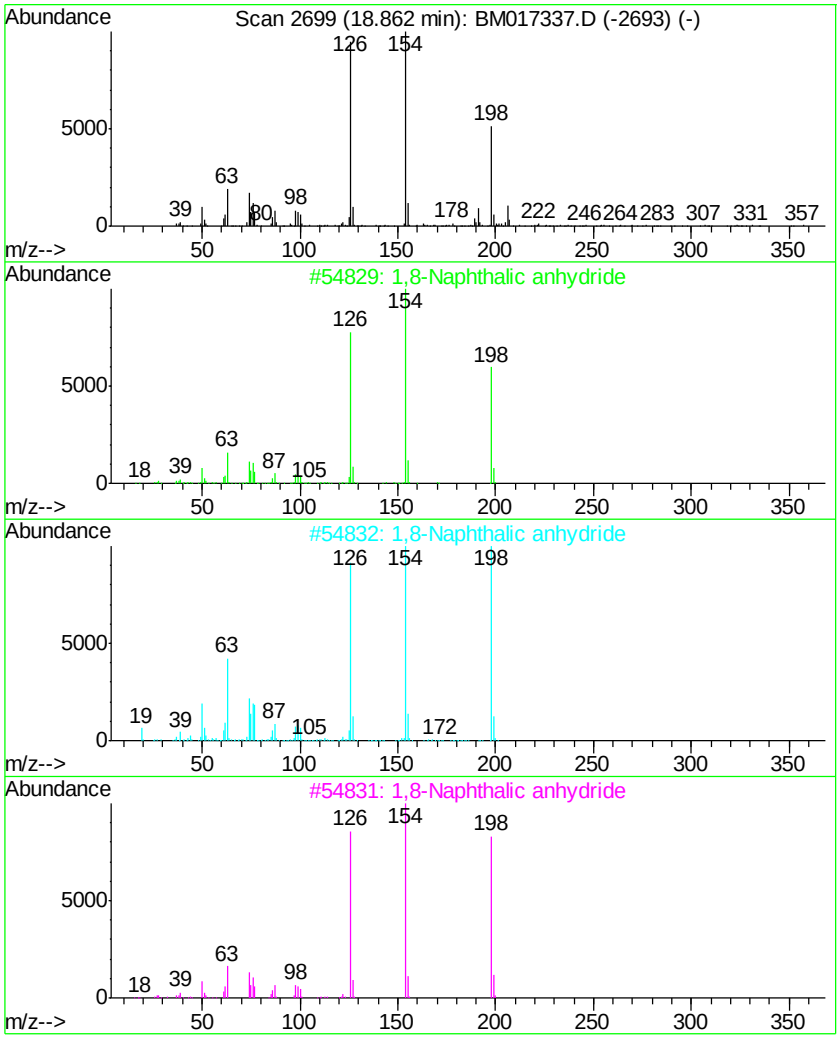
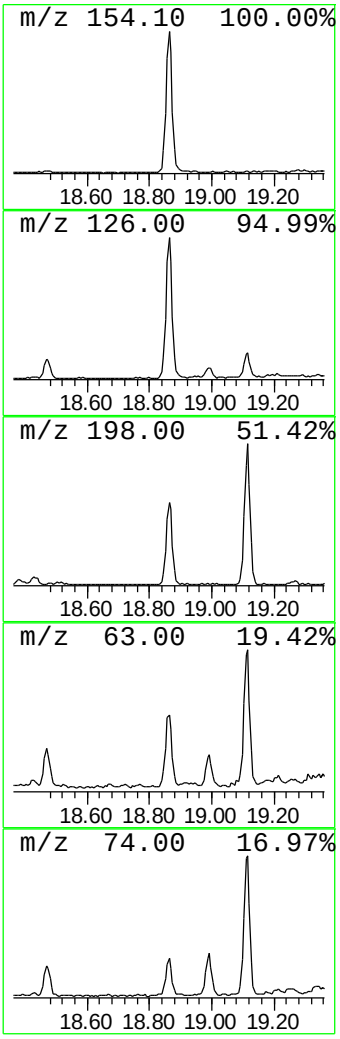
Peak Number 10 1,8-Naphthalic anhydride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.48 ng/ul	872971	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	97
3	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
4	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
5	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	72





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ClientSampleId : C0AE4

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Quant Title : SVOA CALIBRATION

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

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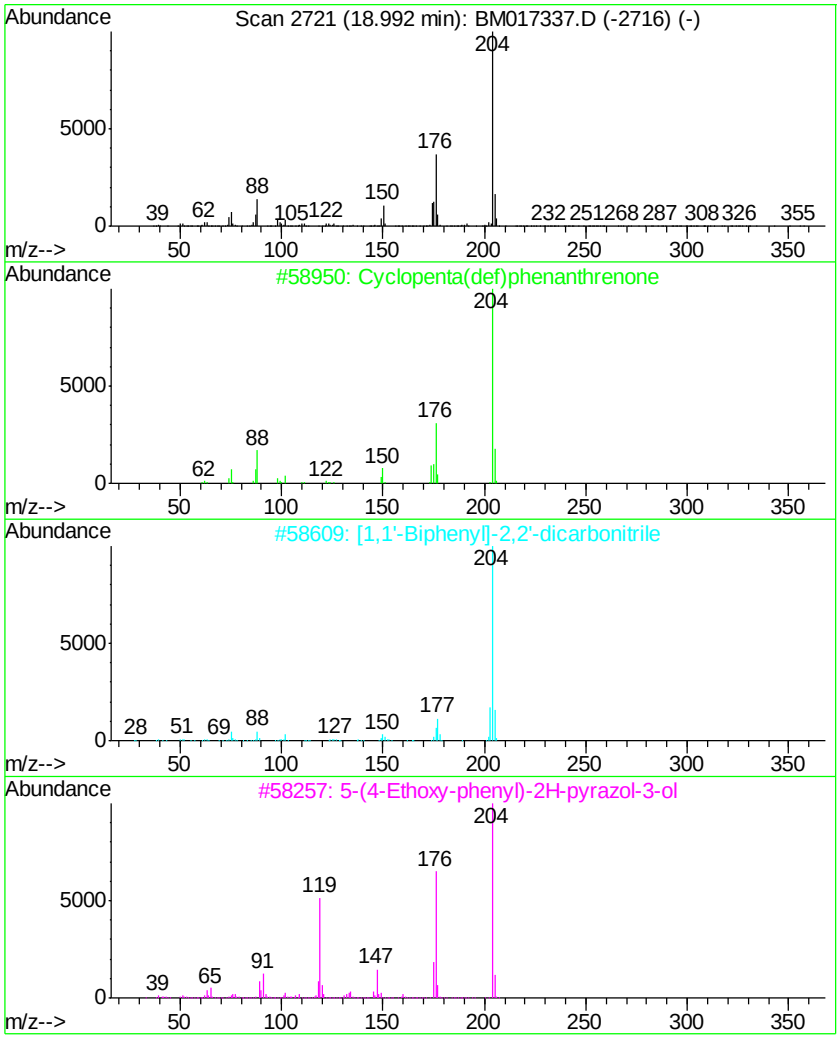
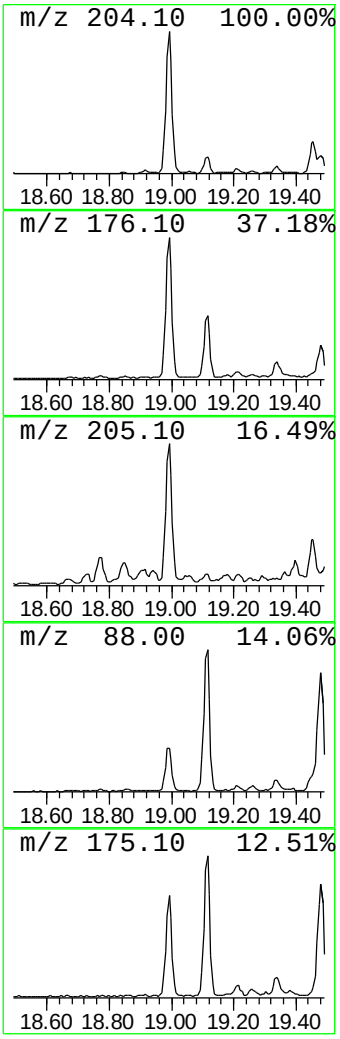
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	7.72 ng/ul	1934680	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	43





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ClientSampleId : C0AE4

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Quant Title : SVOA CALIBRATION

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

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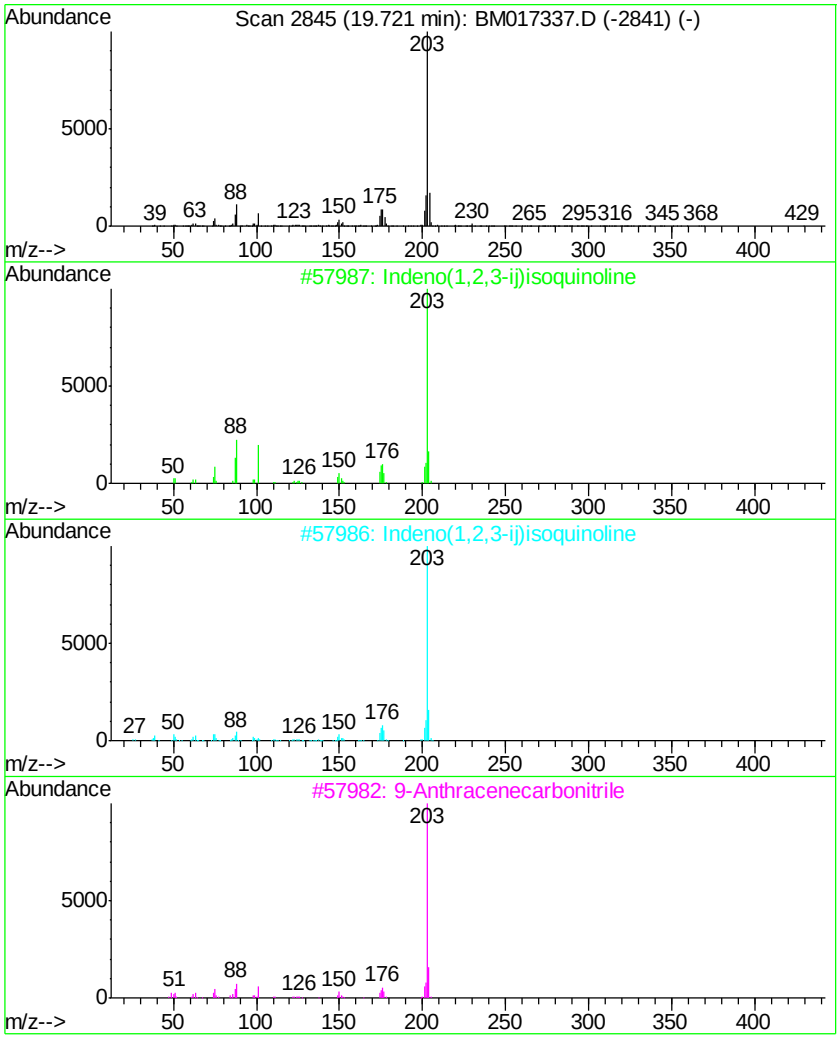
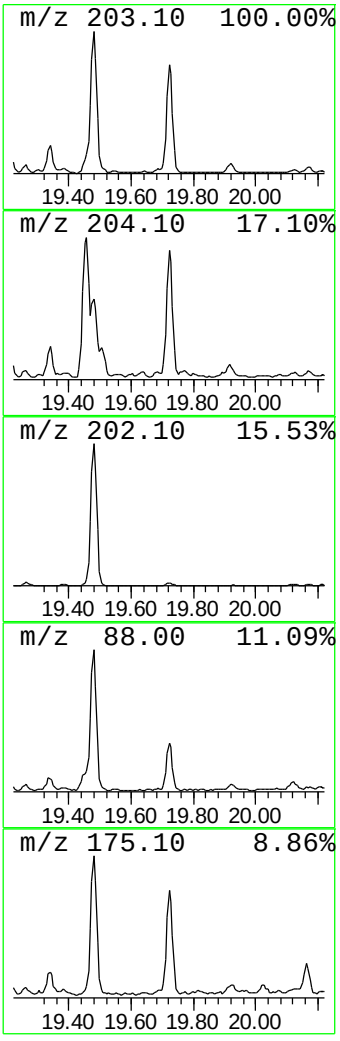
Peak Number 12 Indeno(1,2,3-ij)isoquinoline Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.26 ng/ul	1924870	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	97
2	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	97
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	97
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	96
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	96





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Quant Title : SVOA CALIBRATION

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

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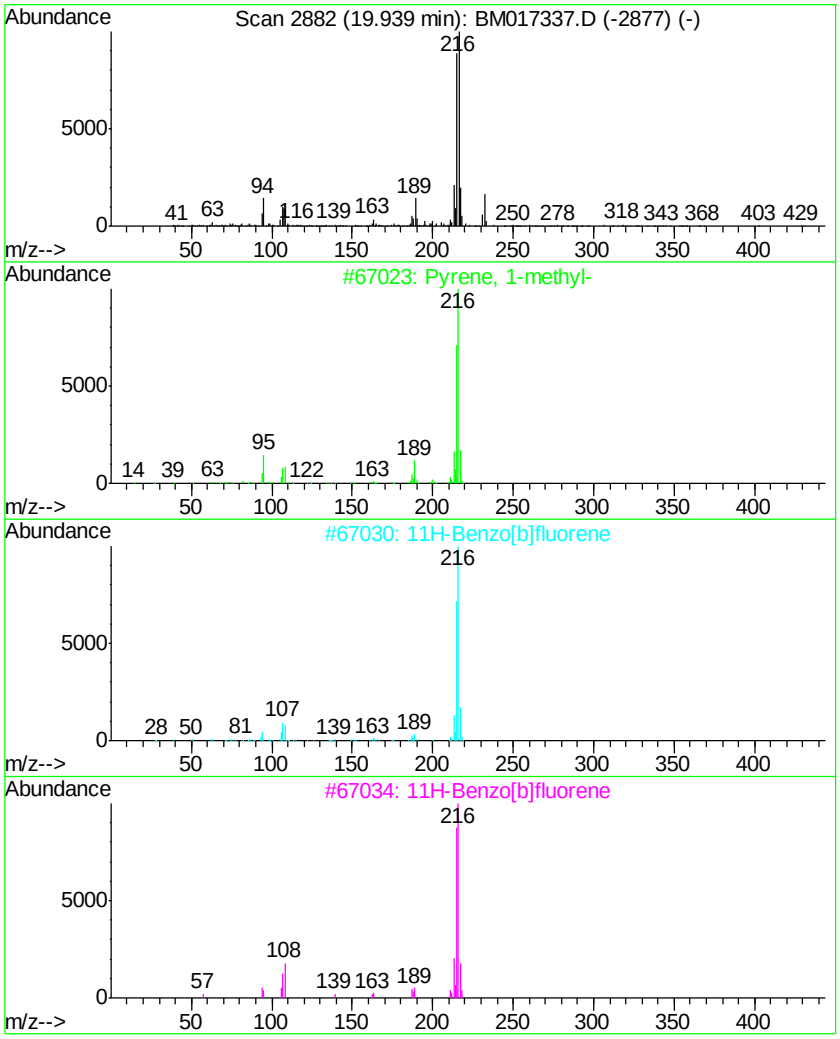
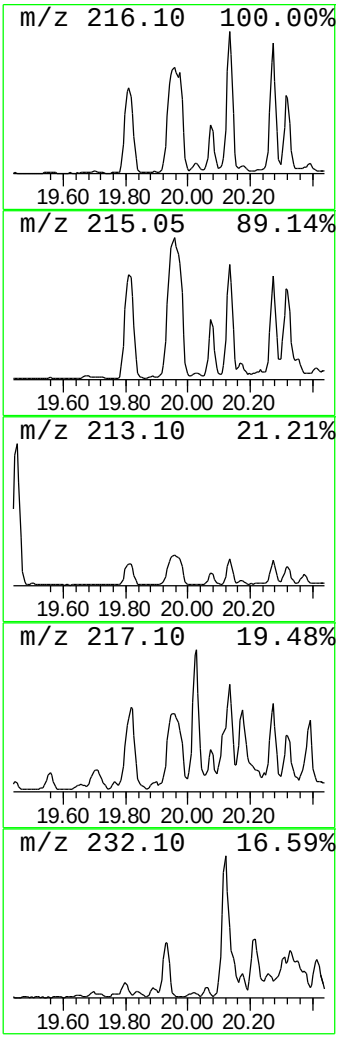
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.97 ng/ul	2532790	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





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Quant Title : SVOA CALIBRATION

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

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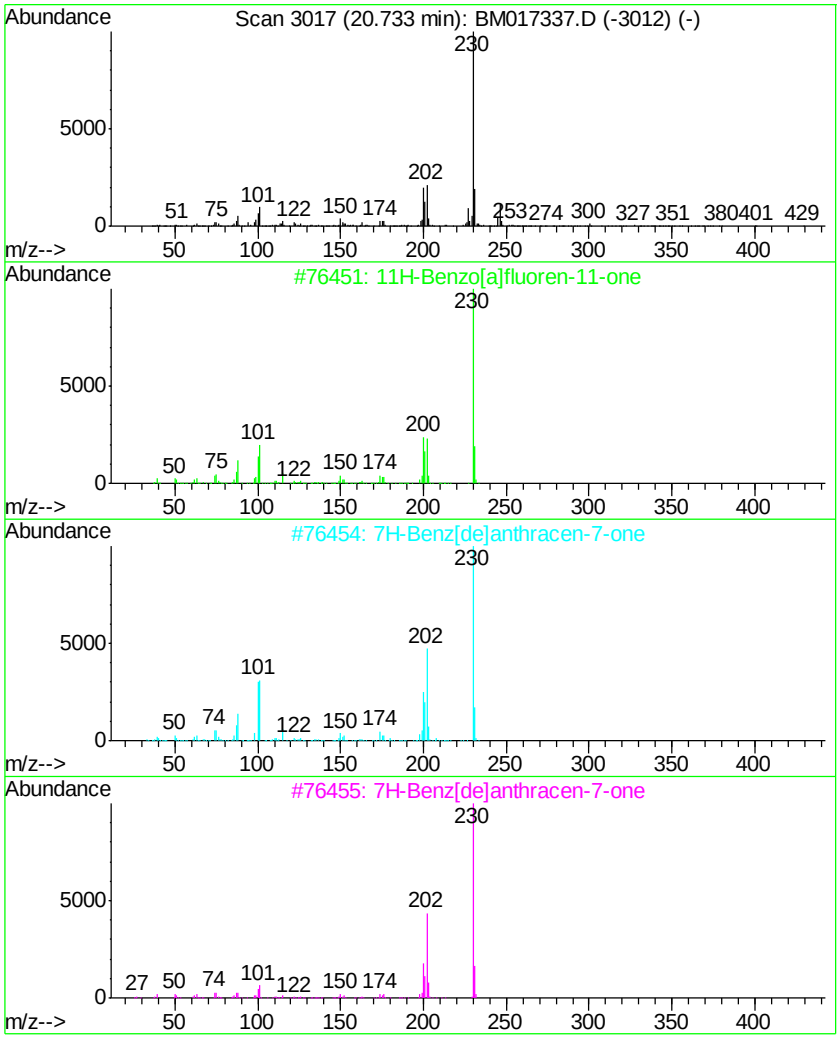
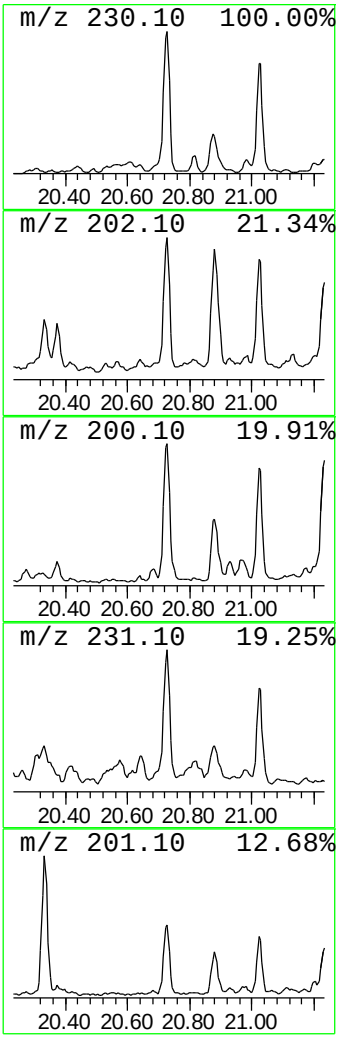
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.27 ng/ul	1936280	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Quant Title : SVOA CALIBRATION

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

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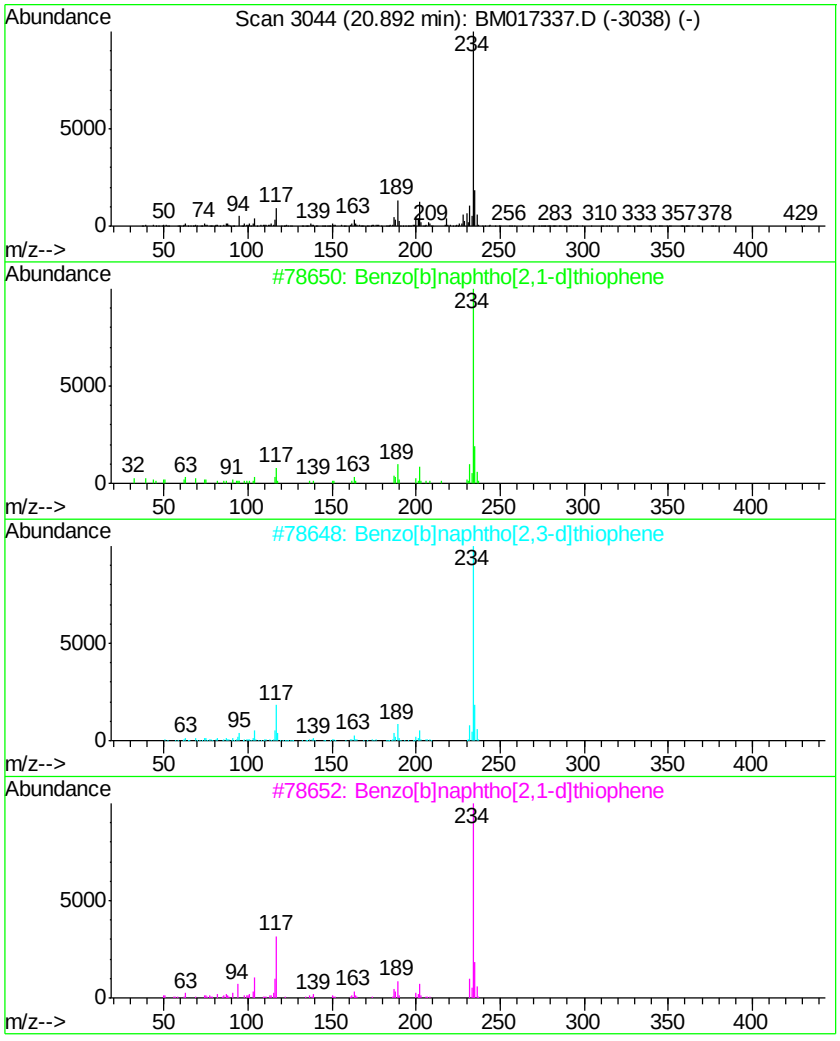
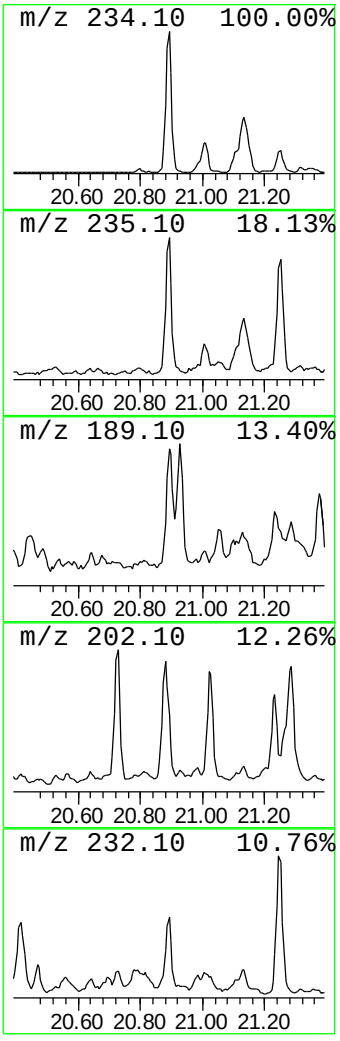
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.15 ng/ul	1830440	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	91





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Quant Title : SVOA CALIBRATION

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

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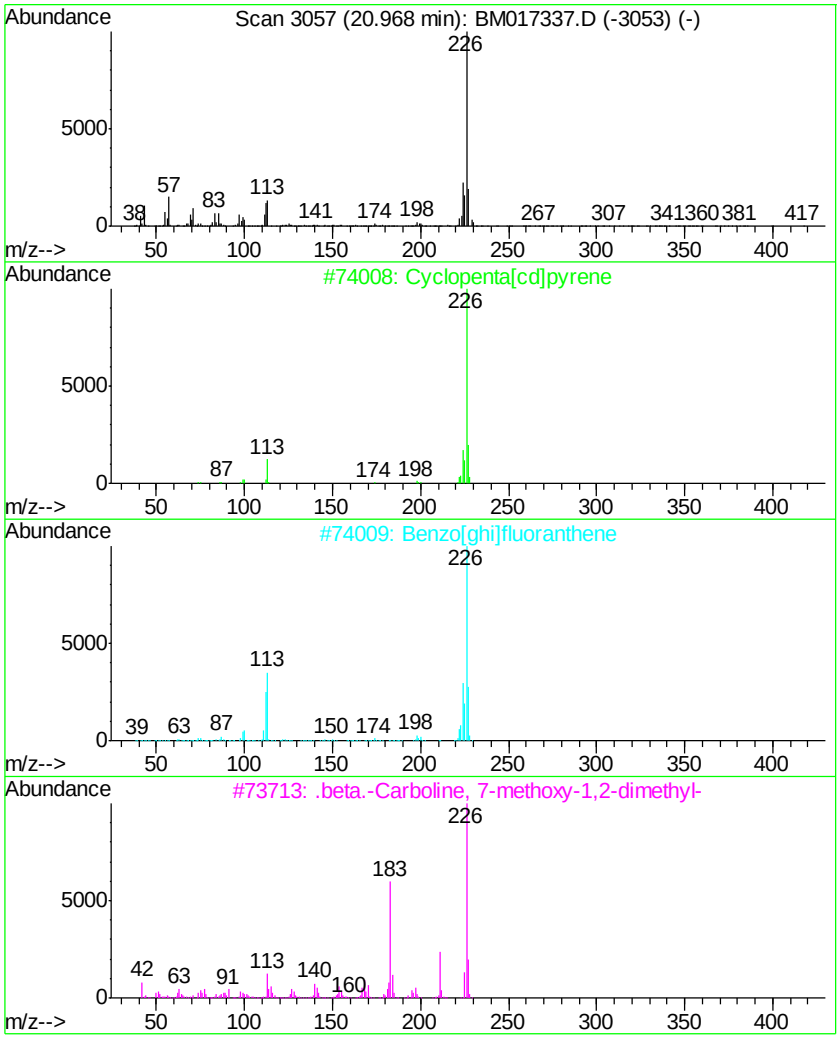
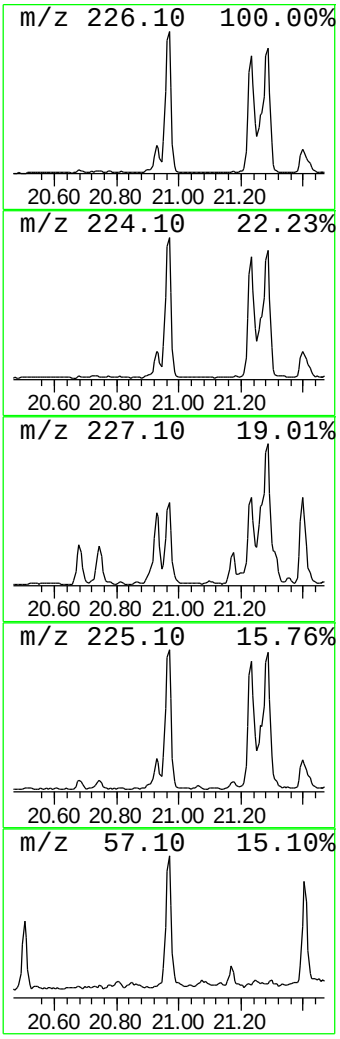
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.22 ng/ul	3592850	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	74
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	50
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





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Quant Title : SVOA CALIBRATION

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

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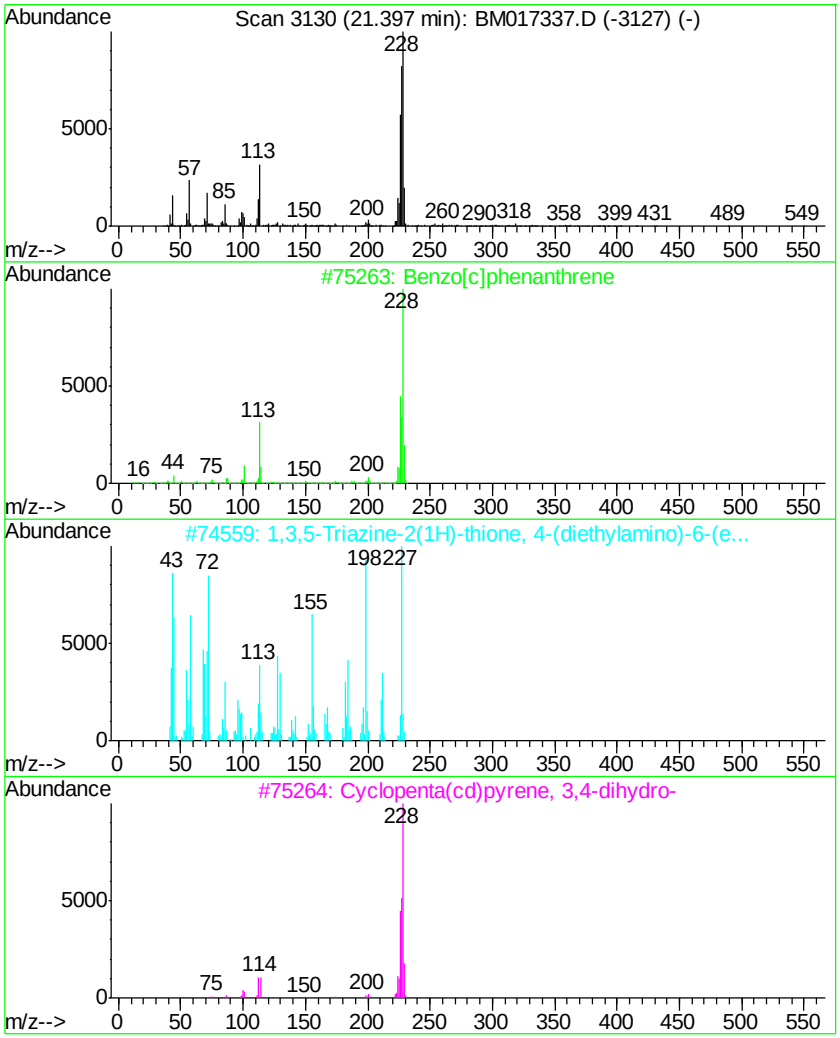
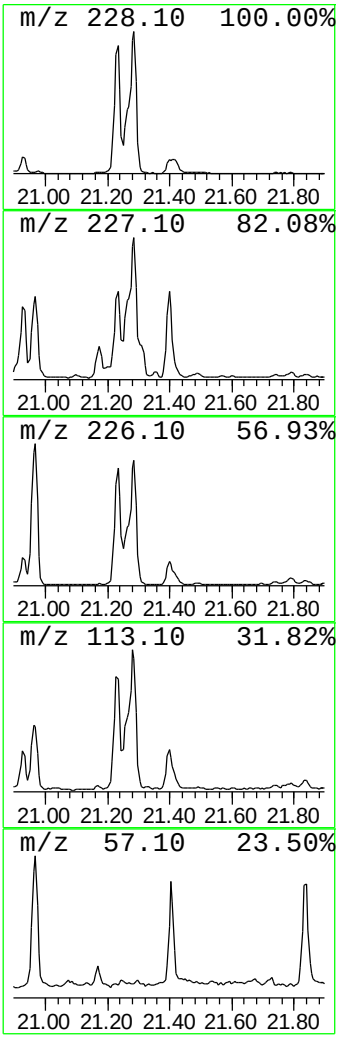
Peak Number 19 Benzo[c]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.65 ng/ul	2255710	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	78
2	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	70
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
4	Benz[a]anthracene	228	C18H12	000056-55-3	50
5	Triphenylene	228	C18H12	000217-59-4	50





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Quant Title : SVOA CALIBRATION

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

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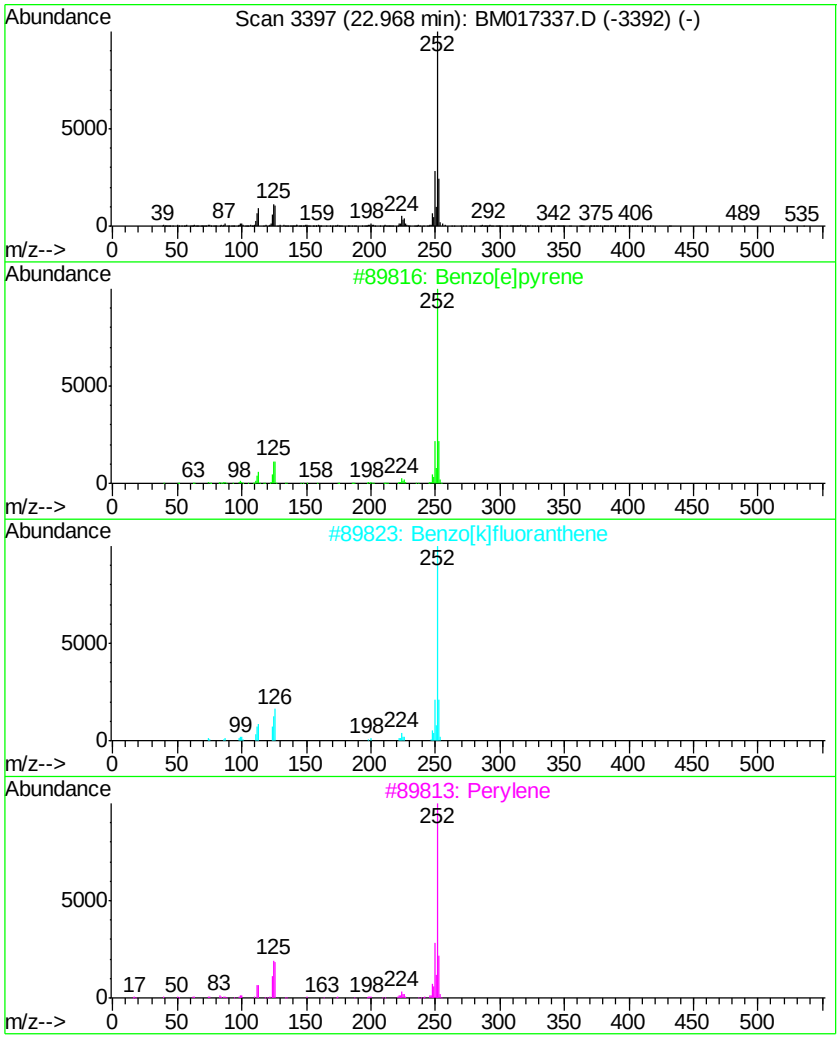
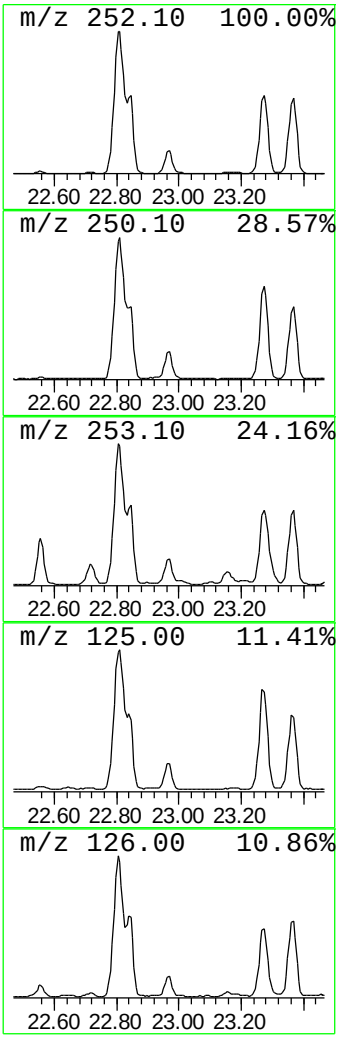
Peak Number 22 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	7.64 ng/ul	2168430	Perylene-d12	23.46

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	96
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

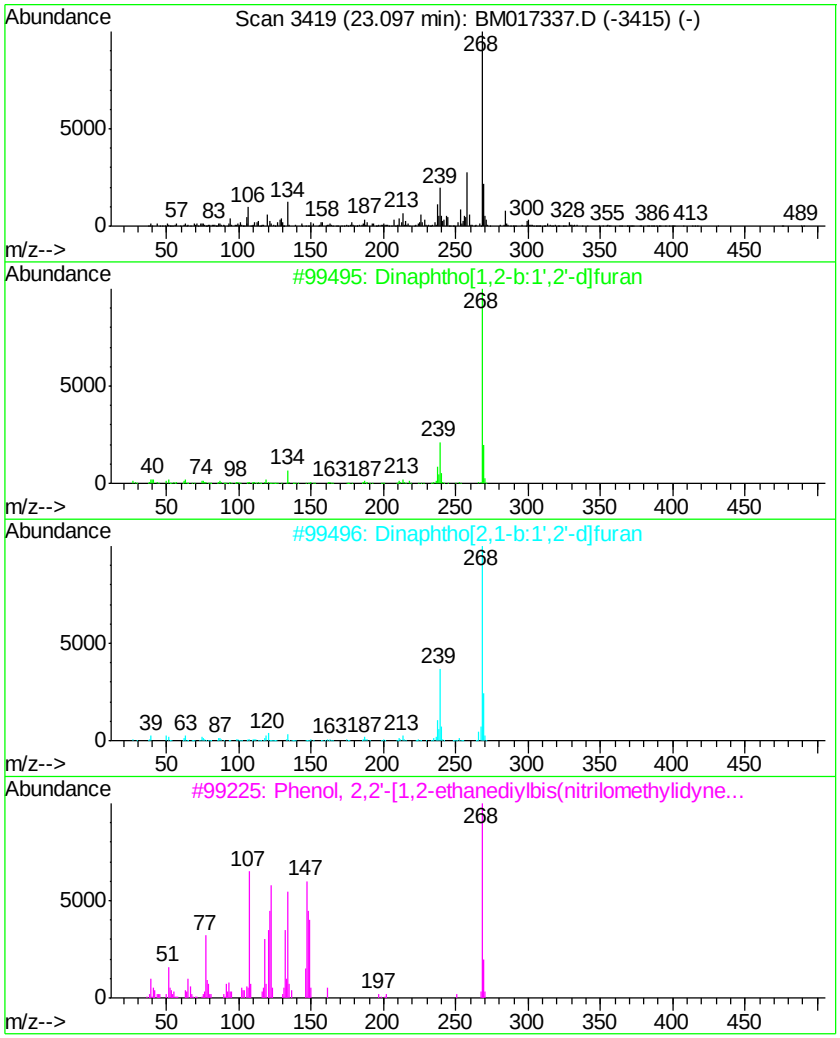
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

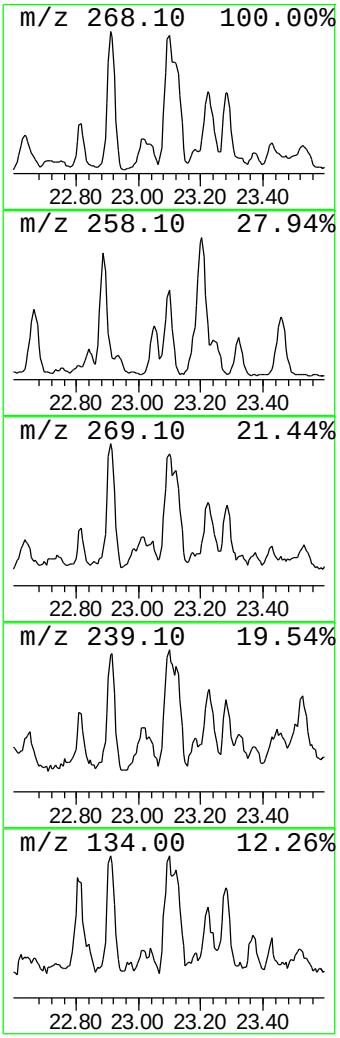
****

Peak Number 23 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	4.28 ng/ul	1215110	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	72
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
3	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	60
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

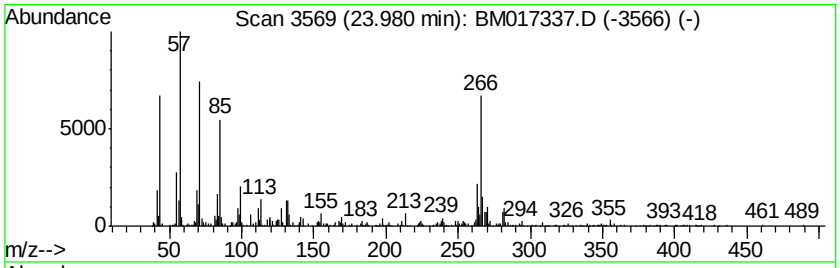
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

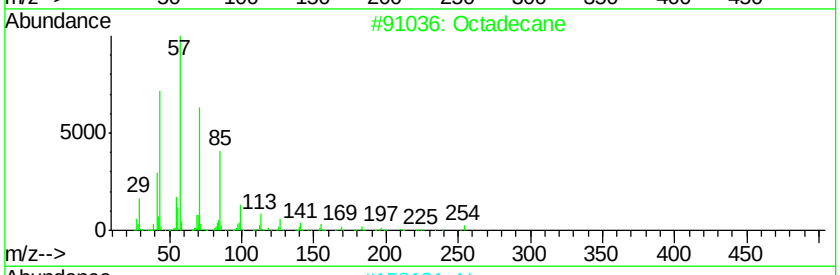
****

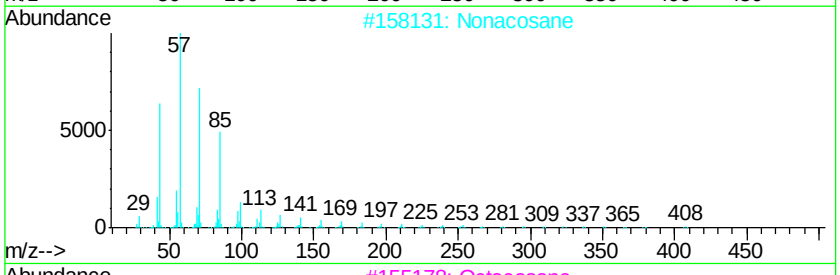
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 6

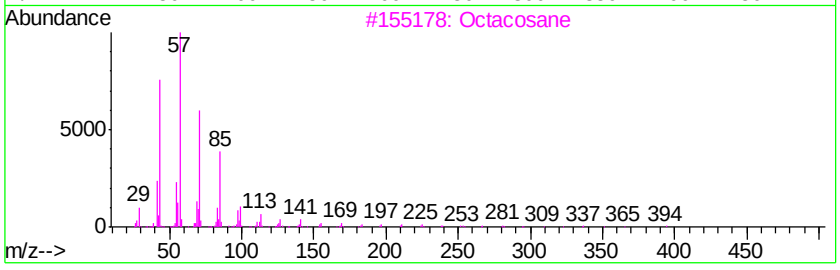
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	5.41 ng/ul	1533910	Perylene-d12	23.46

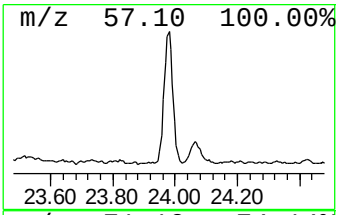
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Nonacosane	408	C29H60	000630-03-5	90
3	Octacosane	394	C28H58	000630-02-4	86
4	Eicosane	282	C20H42	000112-95-8	78
5	Eicosane	282	C20H42	000112-95-8	70

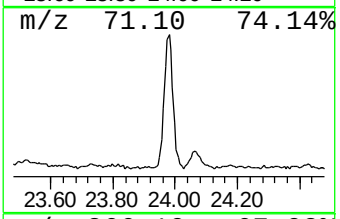


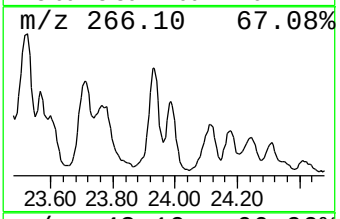


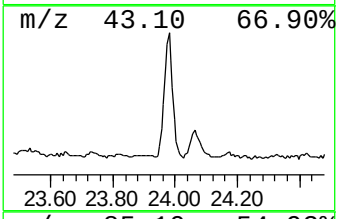


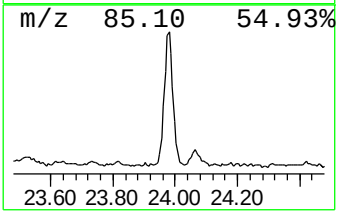












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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
2-Pentanone, 4-hy...	4.83	3.5	ng/ul	333278	1	7.65	1927600	20.0
unknown-01	11.96	5.0	ng/ul	766914	2	10.43	3070440	20.0
1(2H)-Acenaphthyl...	16.03	3.7	ng/ul	927487	4	17.05	5012190	20.0
9H-Fluoren-9-one	16.70	4.8	ng/ul	1215360	4	17.05	5012190	20.0
n-Hexadecanoic acid	17.96	6.6	ng/ul	1649710	4	17.05	5012190	20.0
4H-Cyclopenta[def...	18.12	3.0	ng/ul	760755	4	17.05	5012190	20.0
9,10-Anthracenedione	18.47	4.3	ng/ul	1081250	4	17.05	5012190	20.0
1,8-Naphthalic an...	18.86	3.5	ng/ul	872971	4	17.05	5012190	20.0
Cyclopenta(def)ph...	18.99	7.7	ng/ul	1934680	4	17.05	5012190	20.0
Indeno(1,2,3-ij)i...	19.72	2.3	ng/ul	1924870	5	21.24	17041900	20.0
Pyrene, 1-methyl-	19.94	3.0	ng/ul	2532790	5	21.24	17041900	20.0
11H-Benzo[a]fluor...	20.73	2.3	ng/ul	1936280	5	21.24	17041900	20.0
Benzo[b]naphtho[2...	20.89	2.1	ng/ul	1830440	5	21.24	17041900	20.0
Cyclopenta[cd]pyrene	20.97	4.2	ng/ul	3592850	5	21.24	17041900	20.0
Benzo[c]phenanthrene	21.40	2.6	ng/ul	2255710	5	21.24	17041900	20.0
Benzo[e]pyrene	22.97	7.6	ng/ul	2168430	6	23.46	5673160	20.0
Dinaphtho[1,2-b:1...	23.10	4.3	ng/ul	1215110	6	23.46	5673160	20.0
(DEL) Alkane: Str...	23.98	5.4	ng/ul	1533910	6	23.46	5673160	20.0