LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

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-BM121318MA.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	6.711	640	650	664	rBV2	110227	264002	4.92%	0.439%
2	6.864	671	676	685	rBV	109476	173717	3.24%	0.289%
3	7.046	701	707	716	rBV	143497	241543	4.50%	0.402%
4	7.511	778	786	796	rBV	496221	822273	15.33%	1.368%
5	8.234	903	909	923	rBV	134015	264588	4.93%	0.440%
6	8.669	975	983	993	rBV	117849	222276	4.14%	0.370%
7	9.381	1096	1104	1112	rBV	101583	180100	3.36%	0.300%
8	9.922	1190	1196	1215	rBV	127576	295839	5.51%	0.492%
9	10.275	1246	1256	1261	rBV	716781	1213185	22.61%	2.019%
10	10.328	1261	1265	1270	rVB	64027	104873	1.95%	0.175%
11	10.446	1278	1285	1301	rBV2	76830	190751	3.56%	0.317%
12	11.951	1536	1541	1547	rBV2	48281	84122	1.57%	0.140%
13	12.175	1572	1579	1588	rVB	50397	95122	1.77%	0.158%
14	13.328	1768	1775	1782	rBV4	34572	91285	1.70%	0.152%
15	13.481	1793	1801	1806	rBV2	74115	137294	2.56%	0.228%
16	13.534	1806	1810	1814	rVV	44391	72817	1.36%	0.121%
17	13.587	1814	1819	1824	rVV	335290	473021	8.82%	0.787%
18	13.640	1824	1828	1832	rVV2	53272	85812	1.60%	0.143%
19	13.851	1857	1864	1877	rBV	367186	644662	12.01%	1.073%
20	14.163	1909	1917	1923	rVV2	1070888	1649208	30.74%	2.745%
21	14.228	1923	1928	1938	rVB	306226	461990	8.61%	0.769%
22	14.481	1961	1971	1977	rVV4	73577	181430	3.38%	0.302%
23	14.569	1981	1986	1994	rVV	204344	334464	6.23%	0.557%
24	14.651	1995	2000	2004	rVV	47831	74204	1.38%	0.123%
25	14.963	2045	2053	2056	rBV6	37045	82343	1.53%	0.137%
26	15.169	2083	2088	2093	rVV	502983	701093	13.07%	1.167%
27	15.222	2093	2097	2103	rVB	395979	583122	10.87%	0.970%
28	15.328	2109	2115	2116	rBV3	65018	102358	1.91%	0.170%
29	15.345	2116	2118	2121	rVV	89797	115383	2.15%	0.192%
30	15.381	2121	2124	2130	rVV3	91279	140801	2.62%	0.234%
31	15.439	2130	2134	2137	rVV2	50882	73129	1.36%	0.122%
32	15.522	2143	2148	2156	rVB	108197	194745	3.63%	0.324%
33	15.675	2165	2174	2181	rVB	84477	195281	3.64%	0.325%
34	15.910	2209	2214	2220	rVV5	53614	107897	2.01%	0.180%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

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-BM121318MA.M
Title : SVOA CALIBRATION

35	16.228	2258	2268	2273	rBV4	157554	359876	6.71%	0.599%
36	16.281	2273	2277	2283	rVV3	87708	147873	2.76%	0.246%
37	16.381	2291	2294	2299	rVB3	76498	106296	1.98%	0.177%
38	16.498	2311	2314	2318	rVB3	60606	83943	1.56%	0.140%
39	16.586	2325	2329	2335	rVB5	49207	81690	1.52%	0.136%
40	16.663	2337	2342	2343	rBV	62727	87227	1.63%	0.145%
41	16.745	2351	2356	2365	rVB	205441	329475	6.14%	0.548%
42	16.928	2381	2387	2390	rVV	1298445	1895747	35.33%	3.155%
43	16.969	2390	2394	2399	rVV	3570393	4924244	91.78%	8.195%
44	17.028	2399	2404	2406	rVV	535422	796020	14.84%	1.325%
45	17.057	2406	2409	2415	rVV	914736	1260702	23.50%	2.098%
46	17.128	2415	2421	2426	rVV2	81864	159294	2.97%	0.265%
47	17.345	2450	2458	2462	rBV2	148769	296218	5.52%	0.493%
48	17.445	2472	2475	2481	rVV	86856	108994	2.03%	0.181%
49	17.504	2481	2485	2493	rVB2	86845	158189	2.95%	0.263%
50	17.645	2505	2509	2517	rBV	50212	91122	1.70%	0.152%
51	17.804	2529	2536	2539	rBV	542603	812578	15.14%	1.352%
52	17.851	2539	2544	2551	rVB	735466	1080504	20.14%	1.798%
53	17.933	2553	2558	2563	rVV	305015	442853	8.25%	0.737%
54	17.998	2563	2569	2573	rVV2	813914	1475076	27.49%	2.455%
55	18.033	2573	2575	2582	rVB	389801	469704	8.75%	0.782%
56	18.122	2586	2590	2595	rBV6	70356	108232	2.02%	0.180%
57	18.204	2601	2604	2610	rVV3	60501	101615	1.89%	0.169%
58	18.269	2610	2615	2618	rVV5	95530	168039	3.13%	0.280%
59	18.310	2618	2622	2627	rVV	405624	564419	10.52%	0.939%
60	18.363	2628	2631	2639	rVV2	109978	196210	3.66%	0.327%
61	18.433	2640	2643	2649	rVB2	74305	104678	1.95%	0.174%
62	18.557	2656	2664	2669	rBV3	212801	394970	7.36%	0.657%
63	18.610	2669	2673	2676	rVV	134908	170326	3.17%	0.283%
64	18.651	2676	2680	2684	rVB	82564	109212	2.04%	0.182%
65	18.733	2689	2694	2699	rVV	350681	608431	11.34%	1.013%
66	18.798	2699	2705	2708	rVV4	195912	425202	7.92%	0.708%
67	18.827	2708	2710	2713	rVB	104579	104583	1.95%	0.174%
68	18.880	2714	2719	2726	rBV6	129126	315732	5.88%	0.525%
69	19.004	2733	2740	2745	rBV	4252896	5365547	100.00%	8.930%
70	19.057	2745	2749	2754	rVB3	155389	247057	4.60%	0.411%
71	19.104	2754	2757	2760	rBV2	106345	127529	2.38%	0.212%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

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-BM121318MA.M
Title : SVOA CALIBRATION

72	19.245	2778	2781	2785	rVB	107506	130506	2.43%	0.217%
73	19.280	2785	2787	2791	rVB2	71359	81404	1.52%	0.135%
74	19.339	2791	2797	2798	rBV2	1126755	1428130	26.62%	2.377%
75	19.369	2798	2802	2810	rVV	3629650	5027689	93.70%	8.367%
76	19.445	2810	2815	2821	rVB4	194220	334284	6.23%	0.556%
77	19.551	2827	2833	2839	rBV	168801	288372	5.37%	0.480%
78	19.610	2840	2843	2849	rVB2	142572	234562	4.37%	0.390%
79	19.698	2853	2858	2866	rBV4	222382	530587	9.89%	0.883%
80	19.786	2870	2873	2876	rVB2	100424	108972	2.03%	0.181%
81	19.833	2876	2881	2883	rBV4	179979	302840	5.64%	0.504%
82	19.869	2883	2887	2893	rVB	535629	784223	14.62%	1.305%
83	19.969	2900	2904	2908	rBV2	460822	560826	10.45%	0.933%
84	20.027	2908	2914	2918	rBV2	332426	532700	9.93%	0.887%
85	20.169	2934	2938	2941	rBV	230775	269053	5.01%	0.448%
86	20.210	2941	2945	2950	rVB2	233220	376927	7.02%	0.627%
87	20.627	3013	3016	3022	rVB	155951	232437	4.33%	0.387%
88	20.786	3040	3043	3047	rBV2	186550	234982	4.38%	0.391%
89	20.827	3047	3050	3054	rVV2	436951	531500	9.91%	0.885%
90	20.868	3054	3057	3063	rVB2	254917	382257	7.12%	0.636%
91	21.068	3088	3091	3097	rBV	422258	547322	10.20%	0.911%
92	21.139	3097	3103	3108	rVV2	1945881	4246658	79.15%	7.068%
93	21.180	3108	3110	3117	rVB	1378116	1609428	30.00%	2.679%
94	21.298	3127	3130	3138	rBV	276870	350806	6.54%	0.584%
95	21.686	3194	3196	3201	rVB2	293978	317280	5.91%	0.528%
96	21.874	3226	3228	3231	rBV	153977	157488	2.94%	0.262%
97	22.668	3358	3363	3368	rBV	913421	2016105	37.58%	3.355%
98	23.127	3437	3441	3445	rBV	440352	669089	12.47%	1.114%
99	23.215	3452	3456	3464	rVB	885507	1532273	28.56%	2.550%
100	23.309	3467	3472	3477	rBV	770645	1333441	24.85%	2.219%

Sum of corrected areas: 60086278

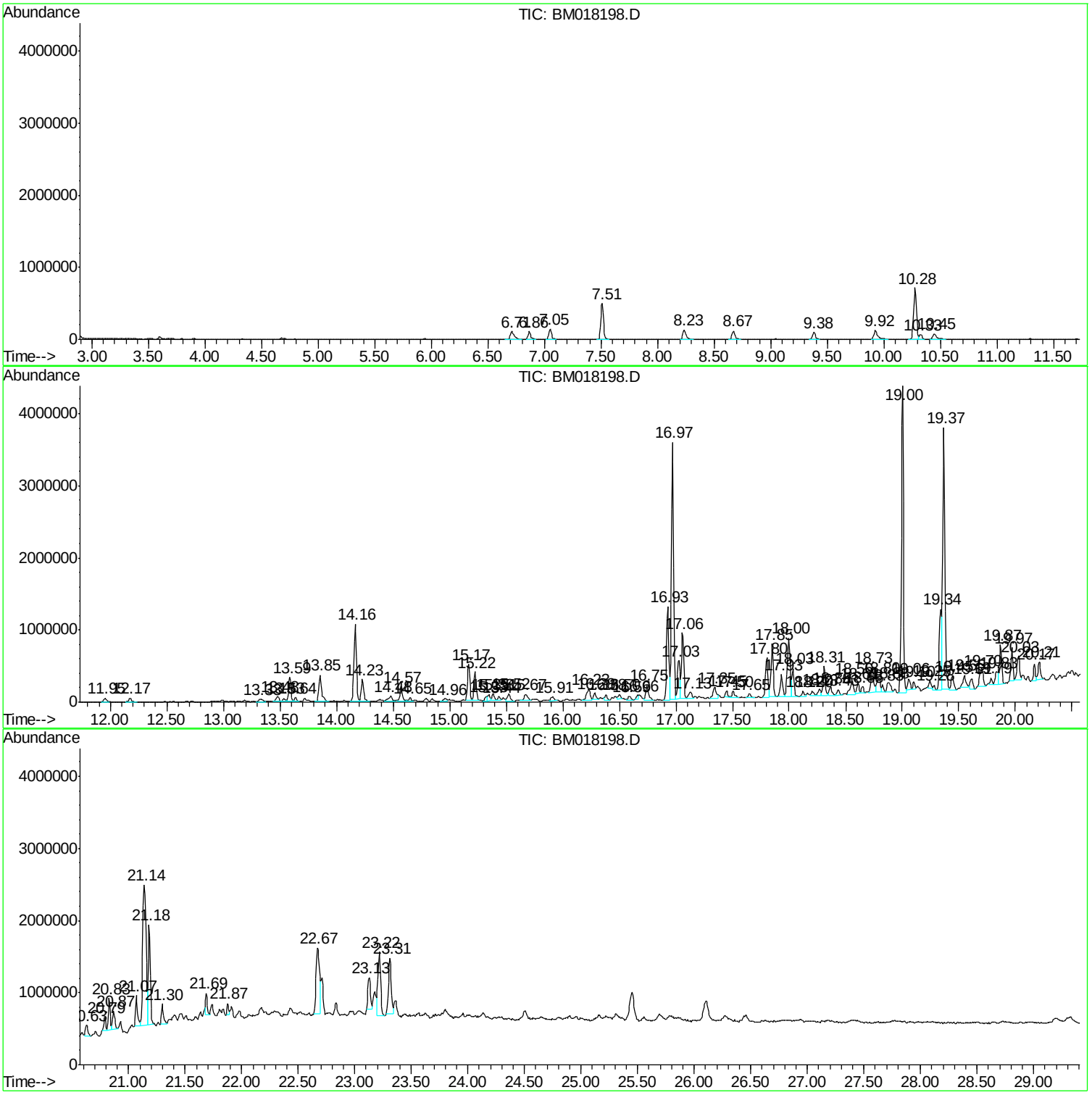
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

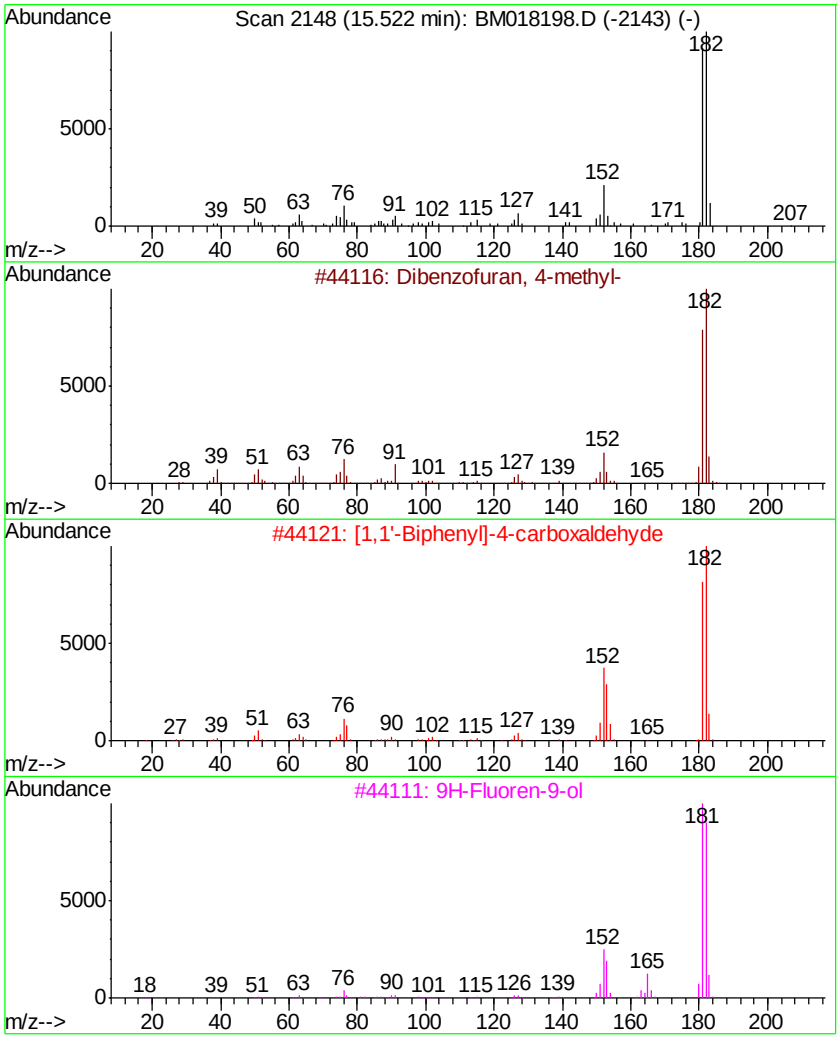
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

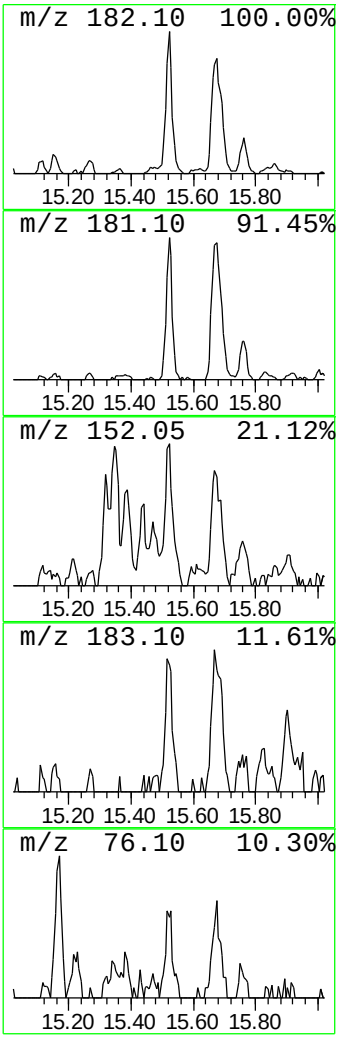
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.36 ng/ul	194745	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

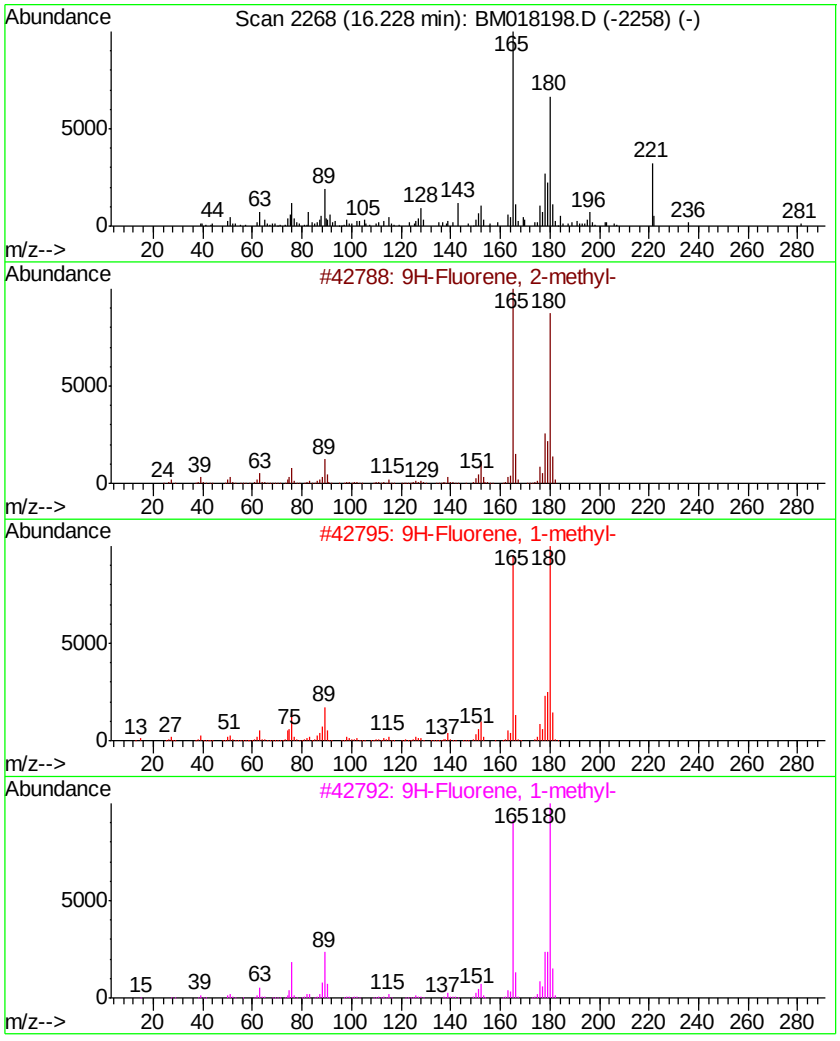
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

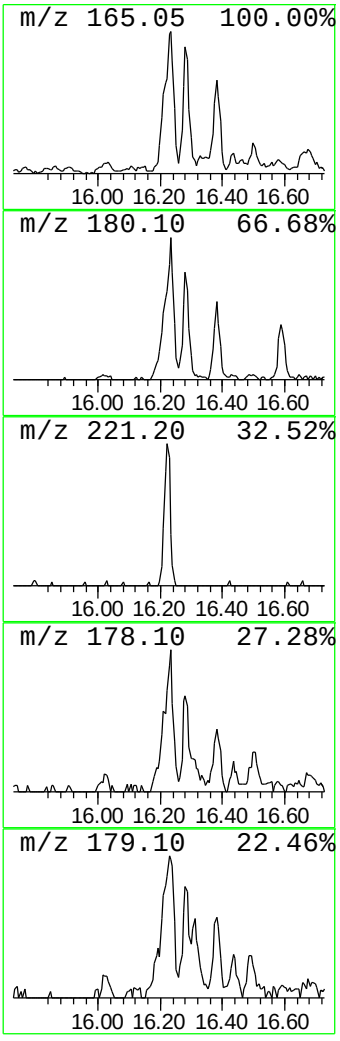
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	3.80 ng/ul	359876	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

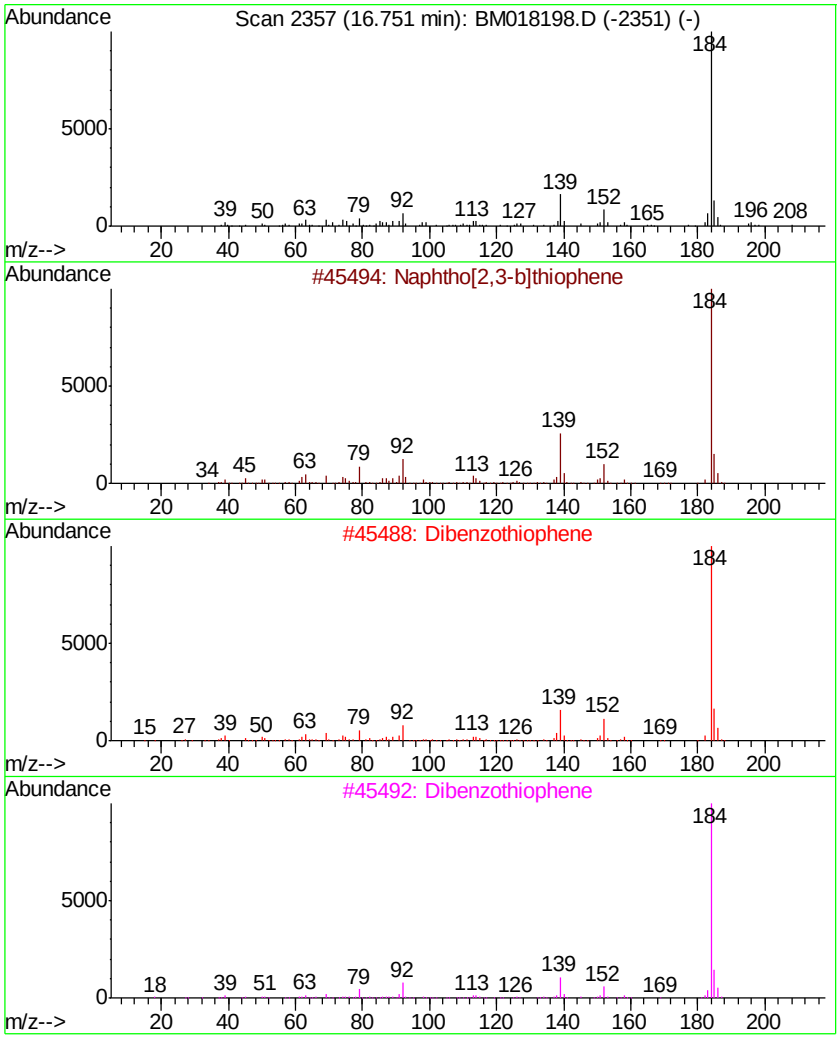
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

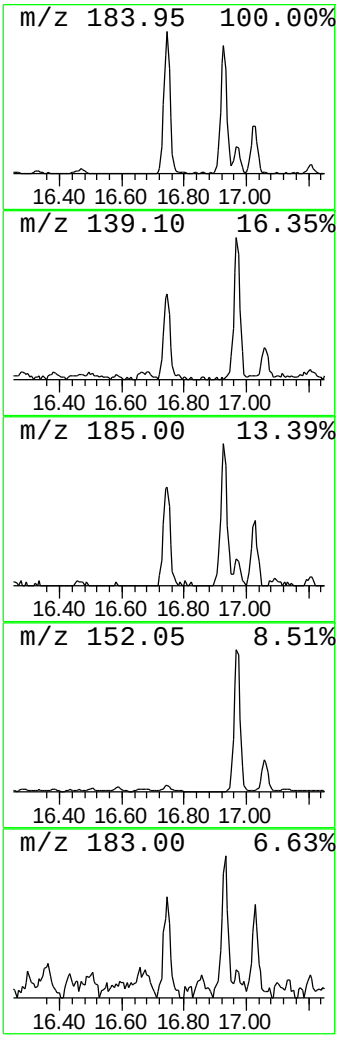
****

Peak Number 4 Naphtho[2,3-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	3.48 ng/ul	329475	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

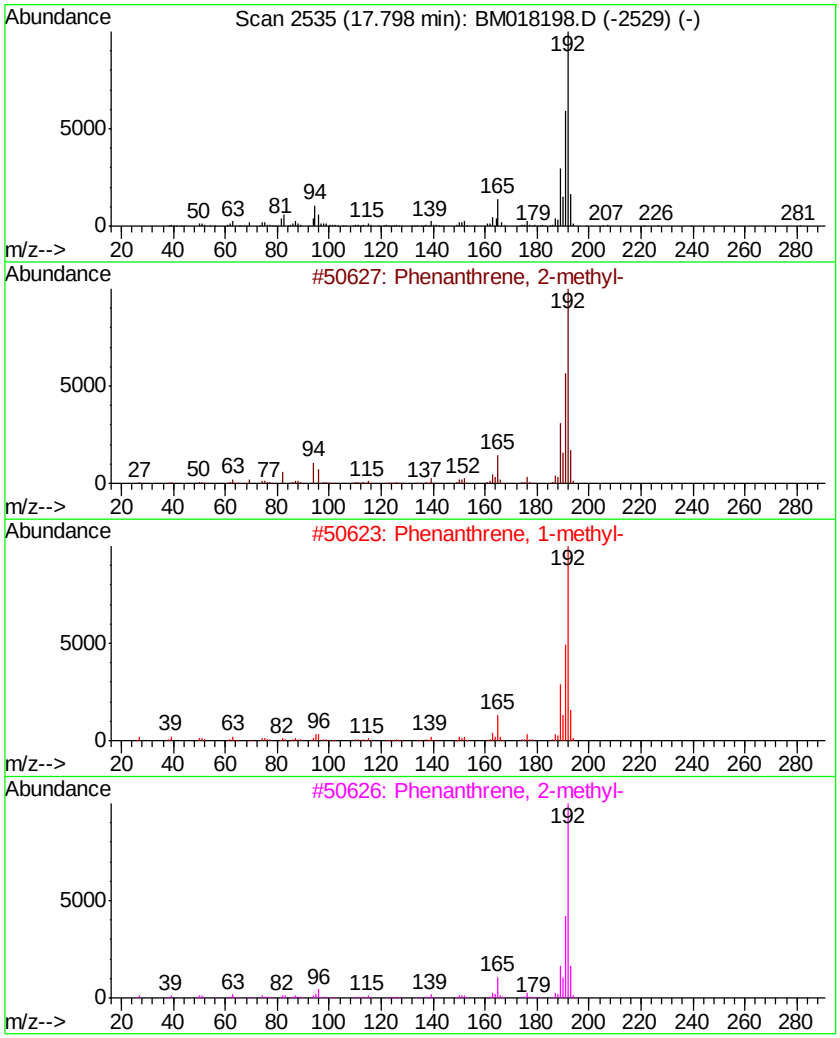
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

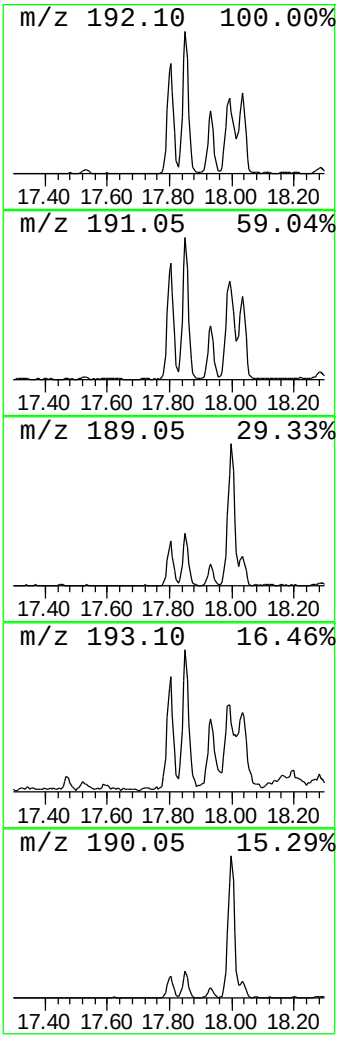
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	8.57 ng/ul	812578	Phenanthrene-d10	16.93

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:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

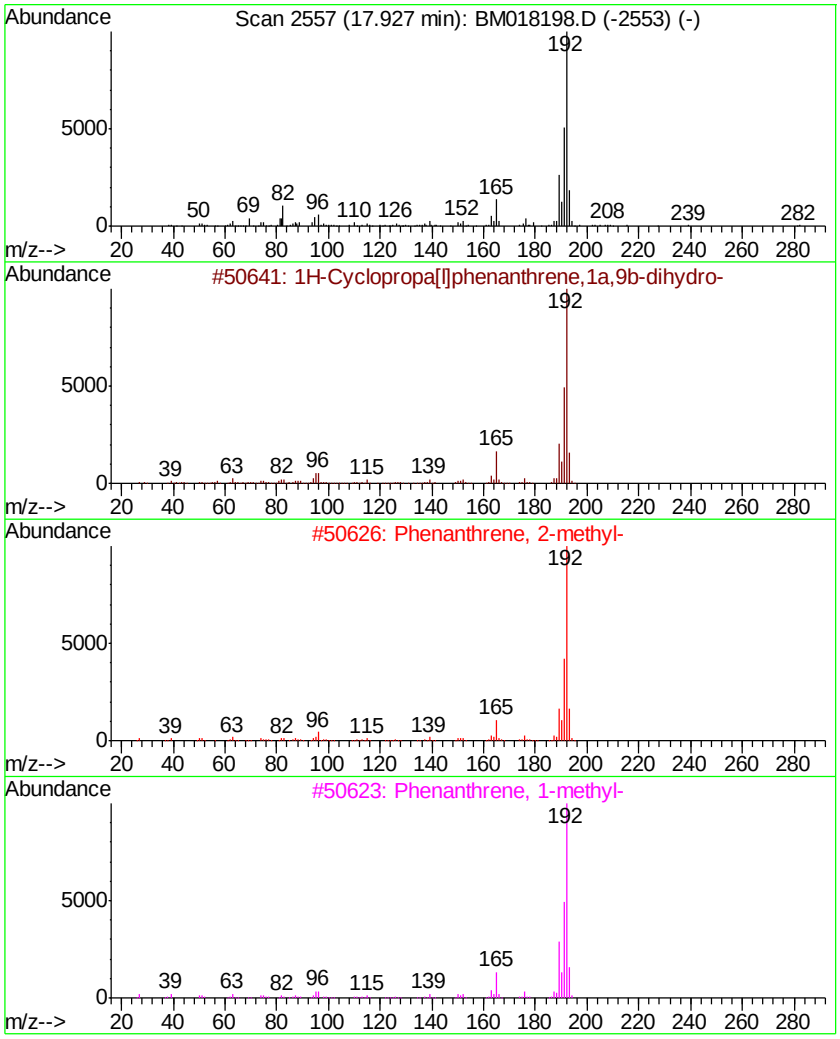
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

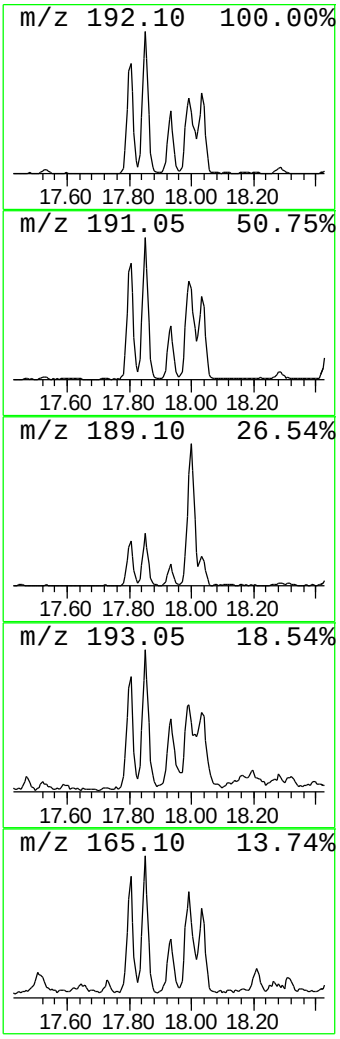
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.67 ng/ul	442853	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

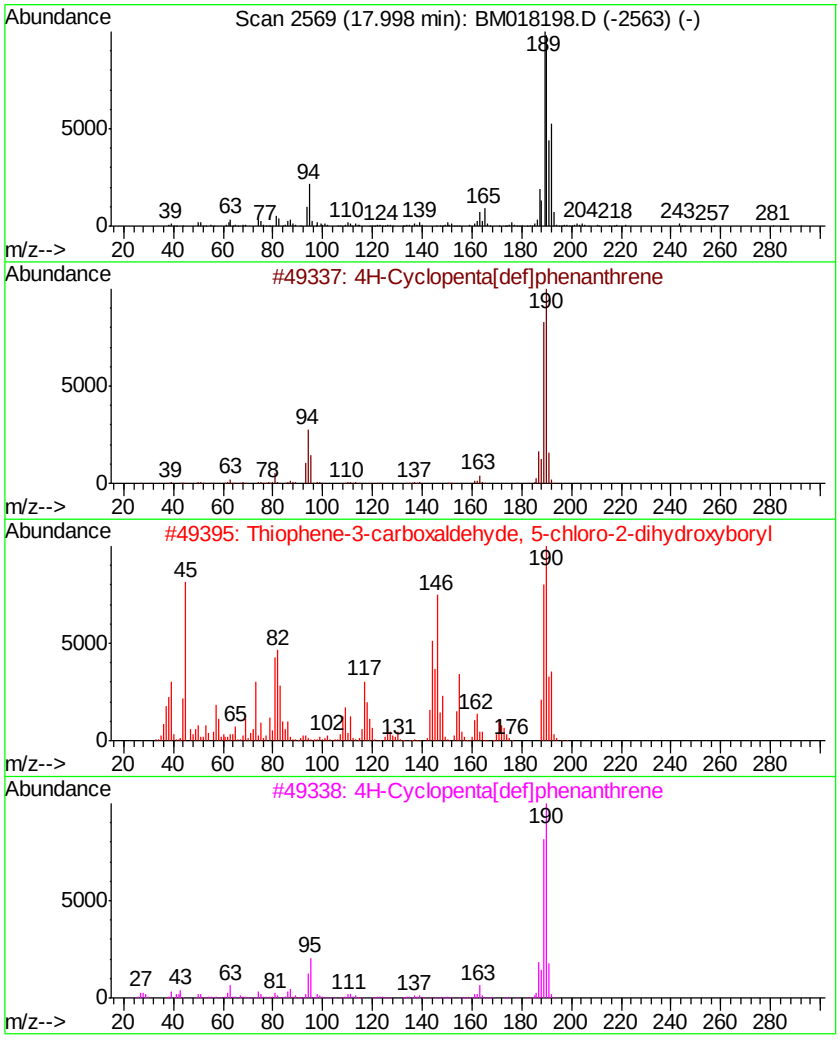
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

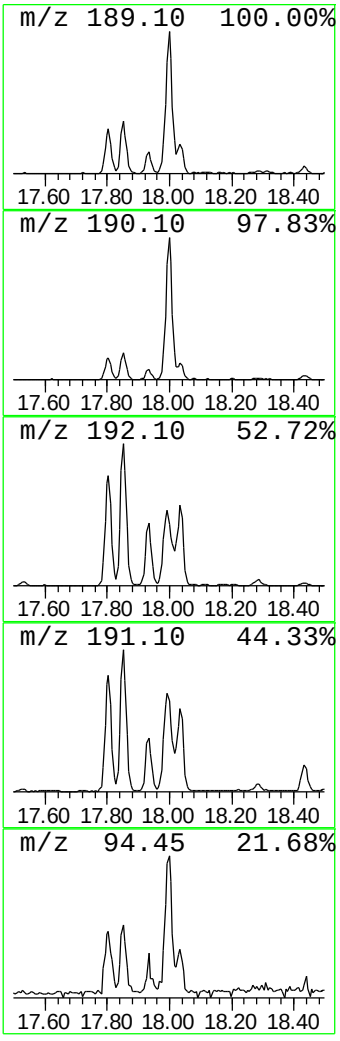
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	15.56 ng/ul	1475080	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

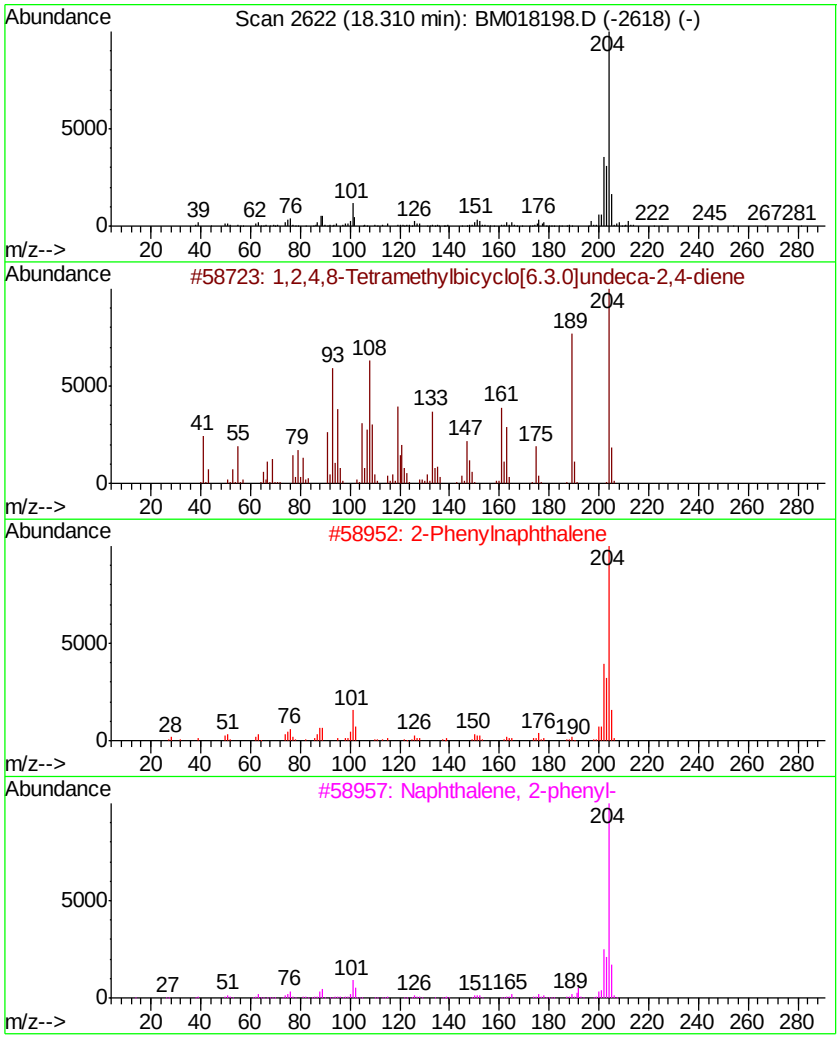
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

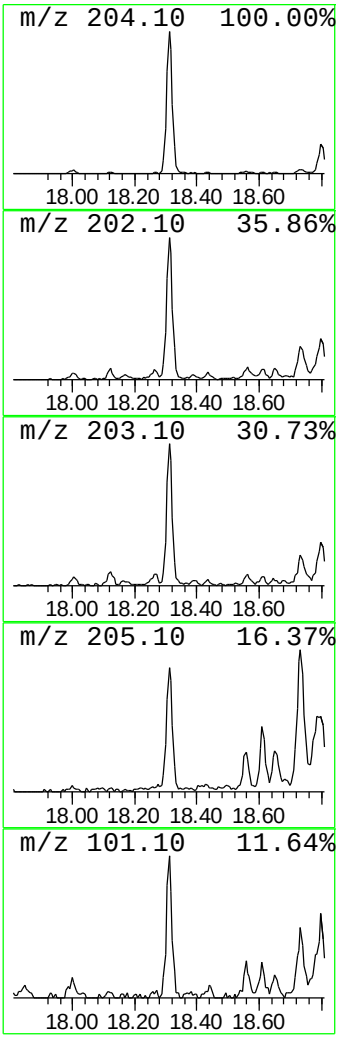
****

Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	5.95 ng/ul	564419	Phenanthrene-d10	16.93

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	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

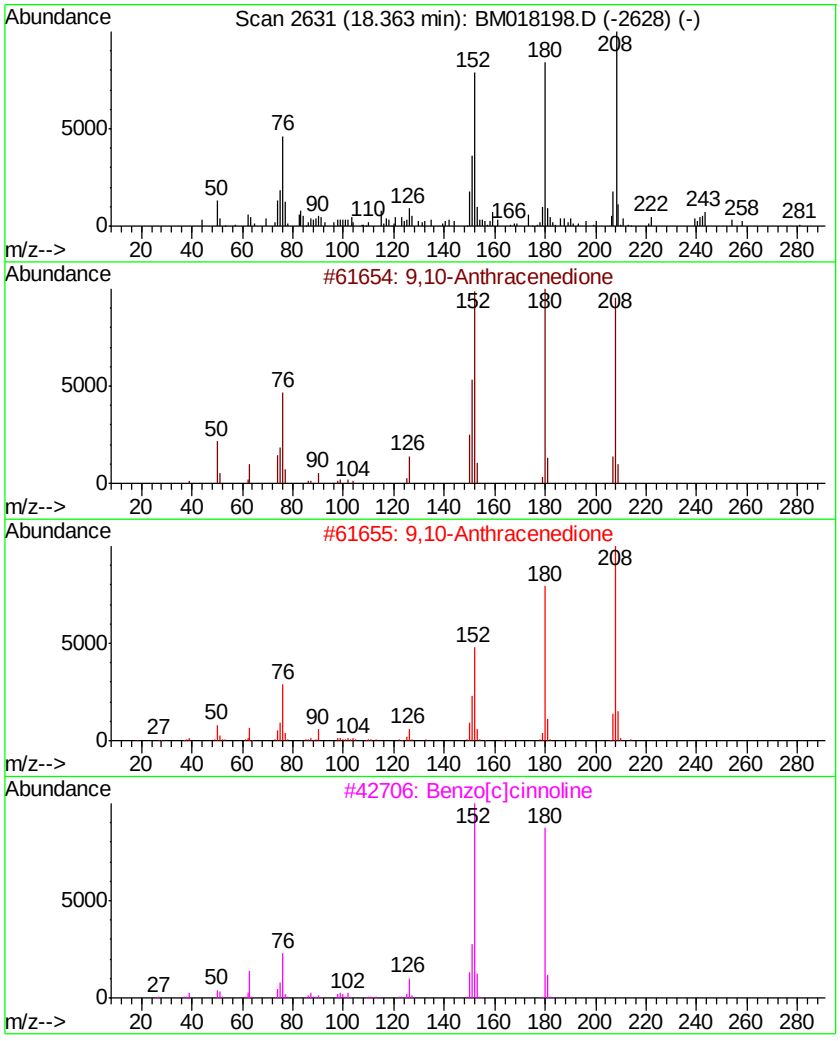
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

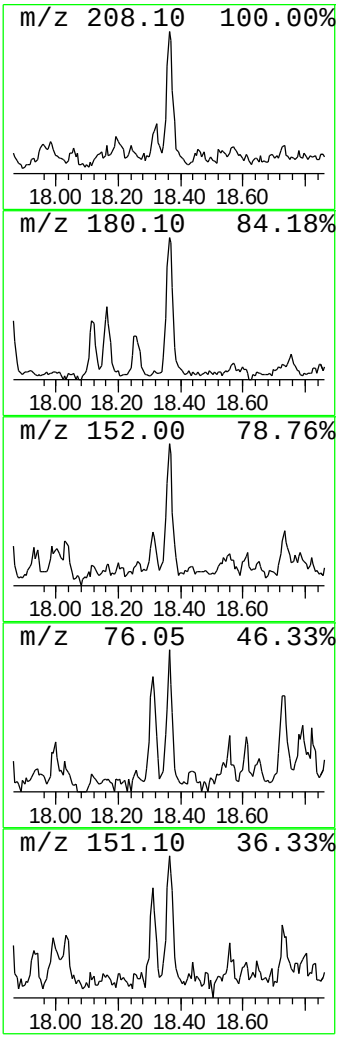
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.07 ng/ul	196210	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

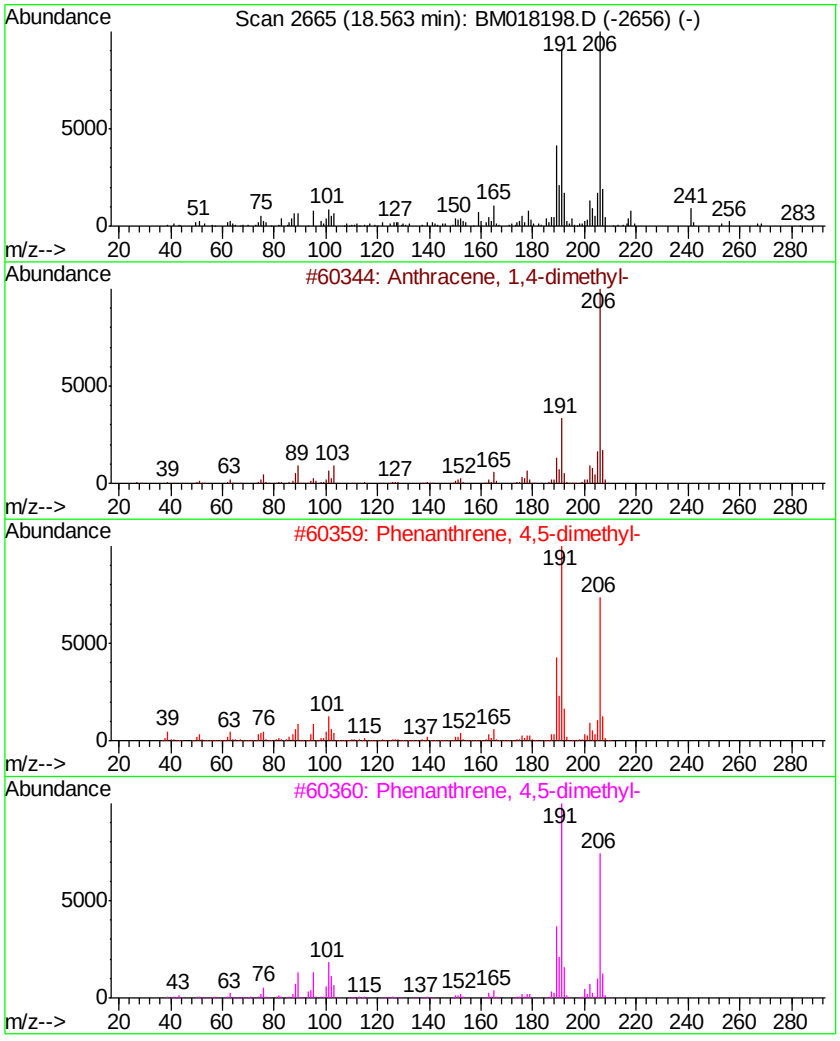
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

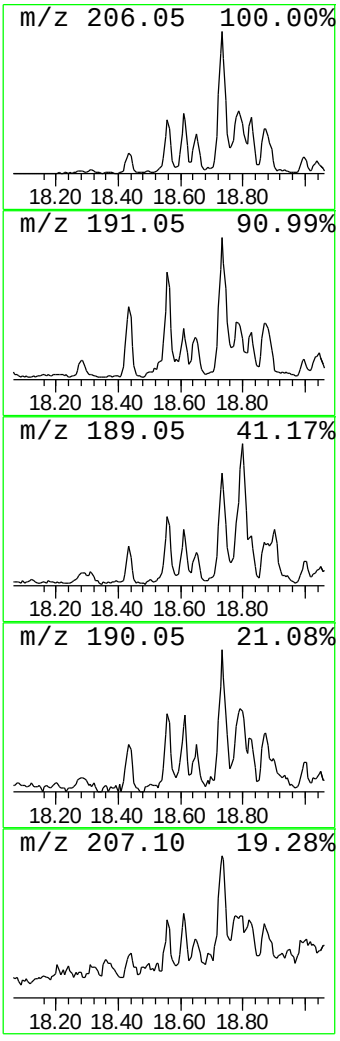
****

Peak Number 12 Anthracene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.17 ng/ul	394970	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

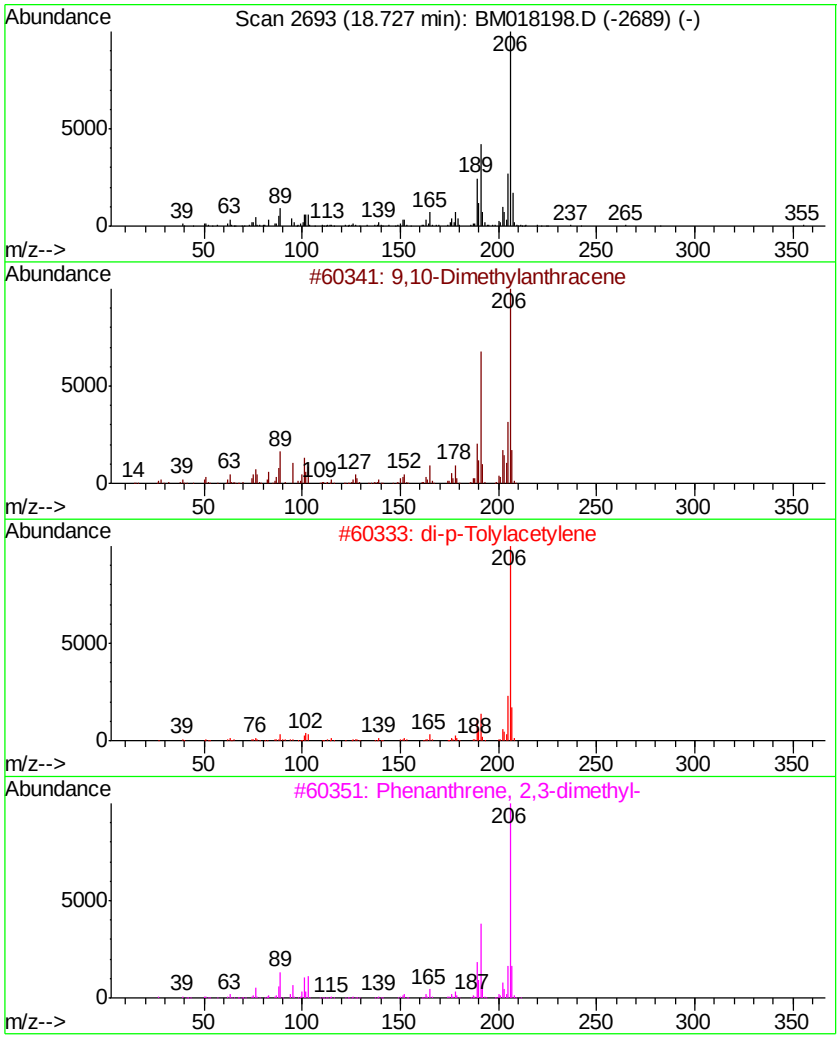
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

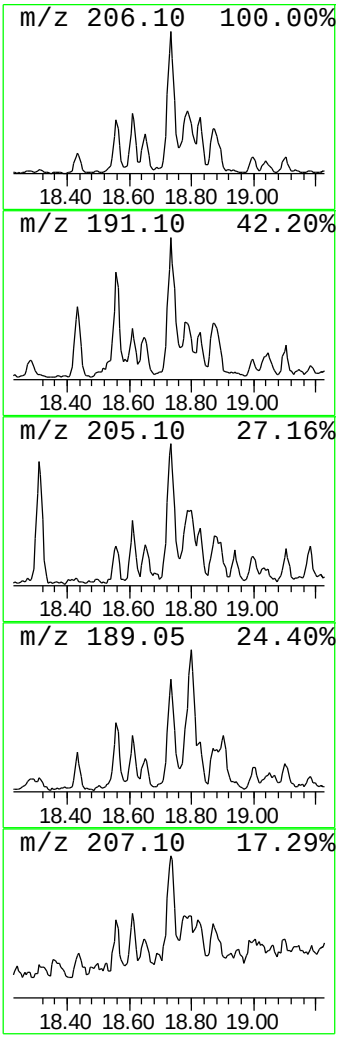
****

Peak Number 13 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	6.42 ng/ul	608431	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

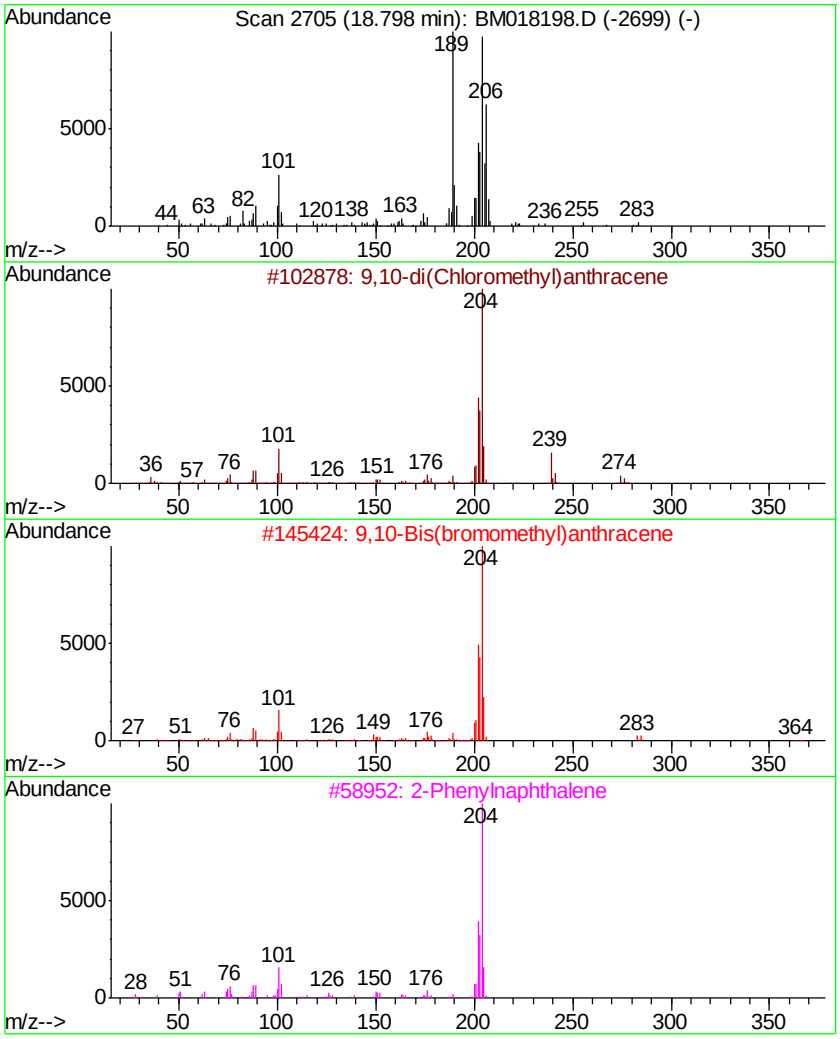
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

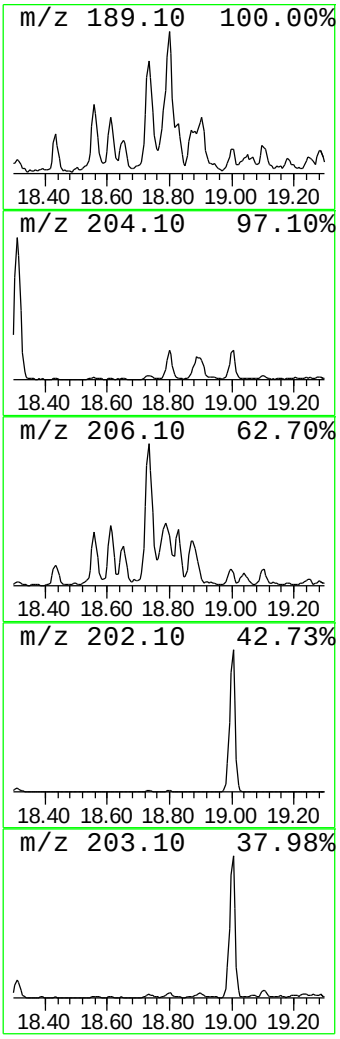
****

Peak Number 14 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	4.49 ng/ul	425202	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	42
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

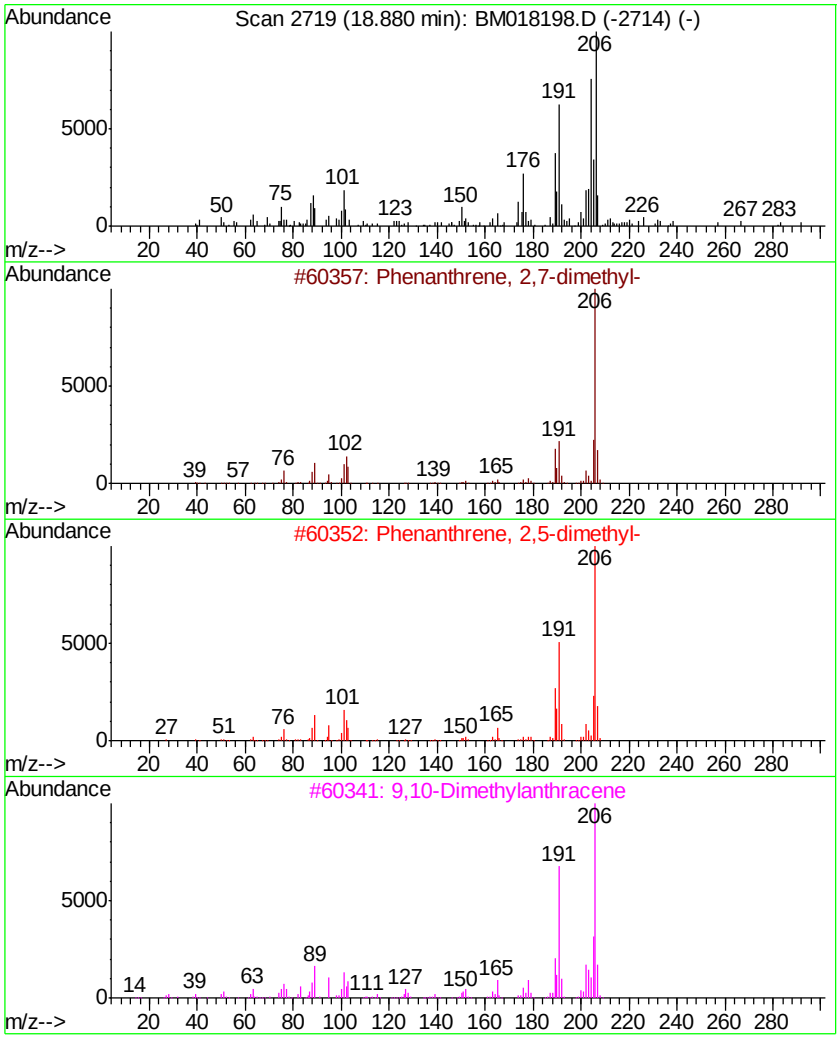
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

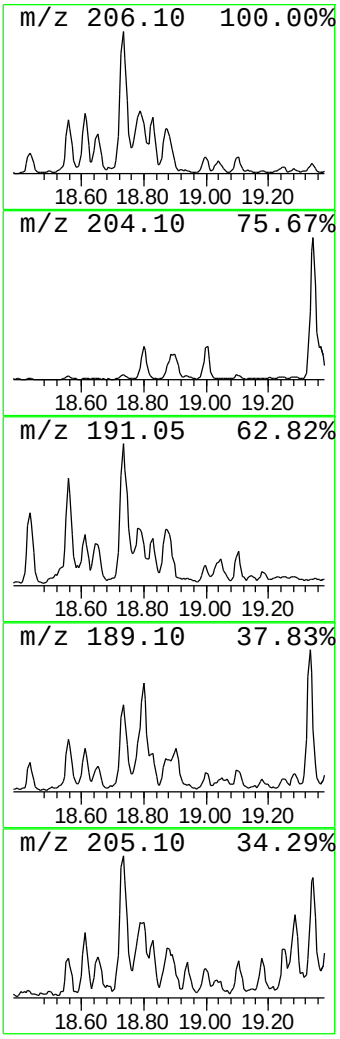
****

Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.33 ng/ul	315732	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	49
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

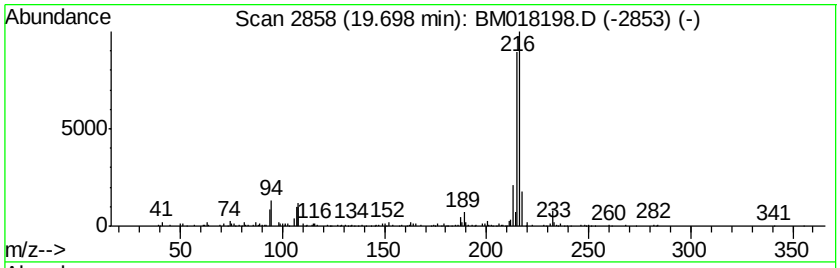
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

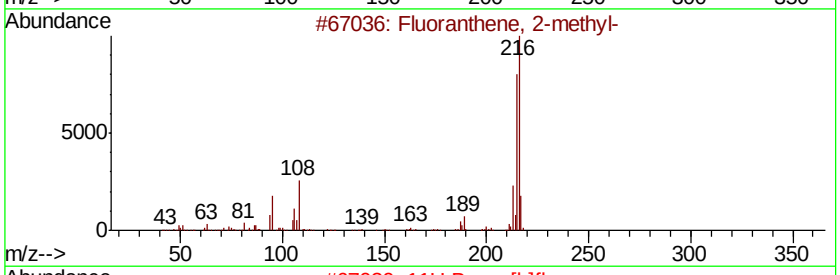
****

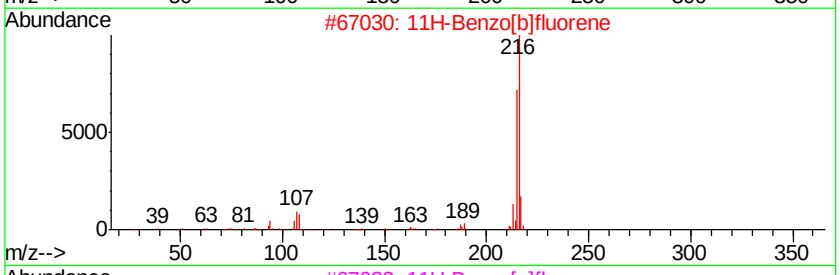
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 17

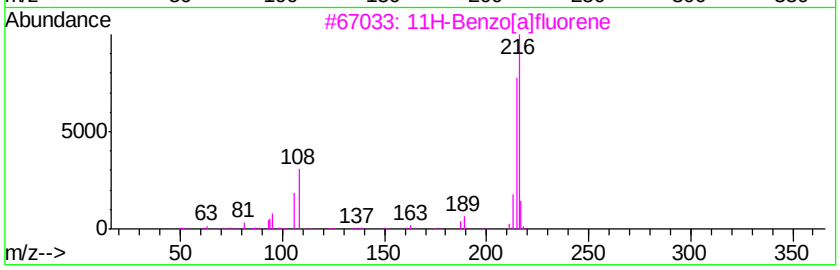
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.50 ng/ul	530587	Chrysene-d12	21.14

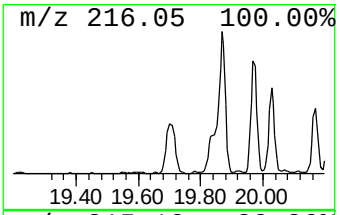
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76

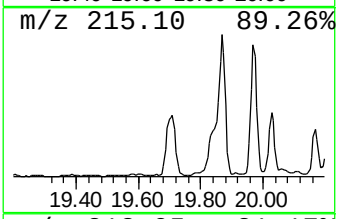


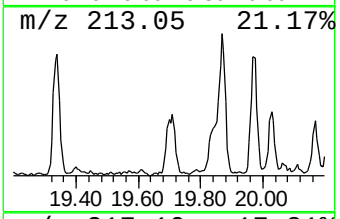


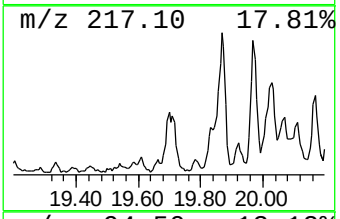


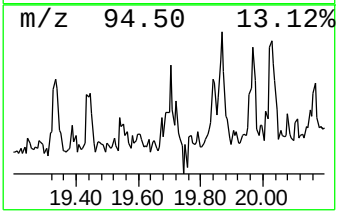












Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

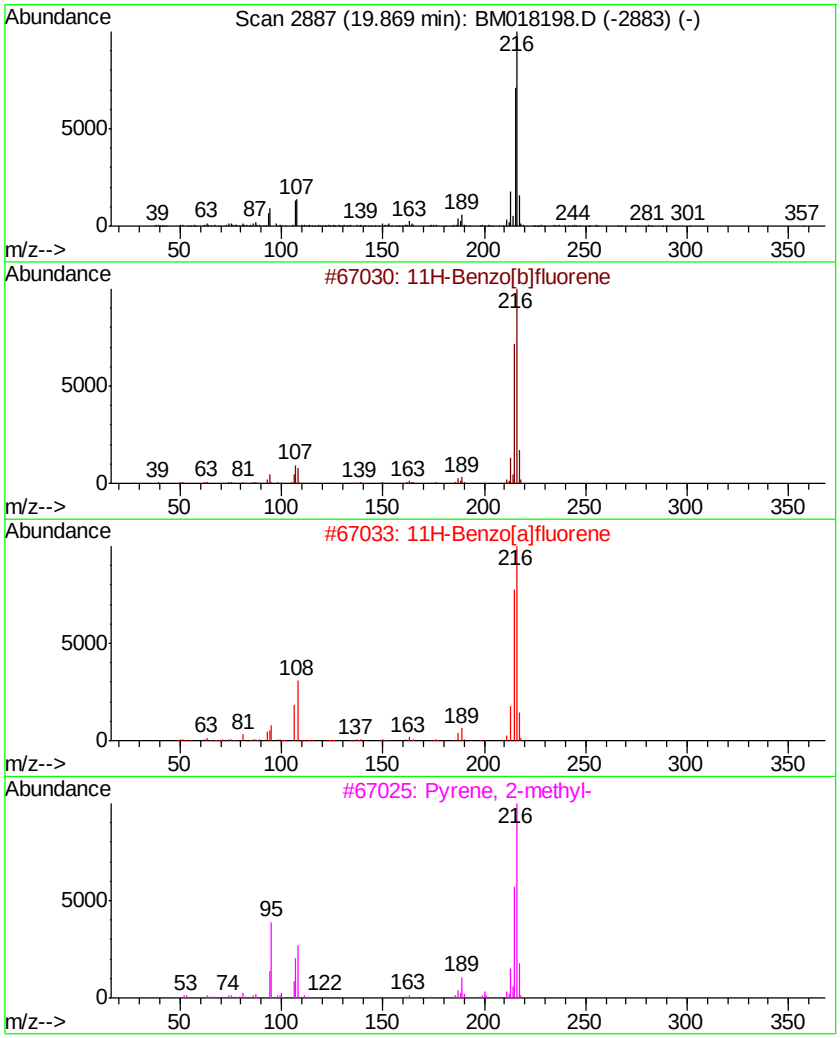
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

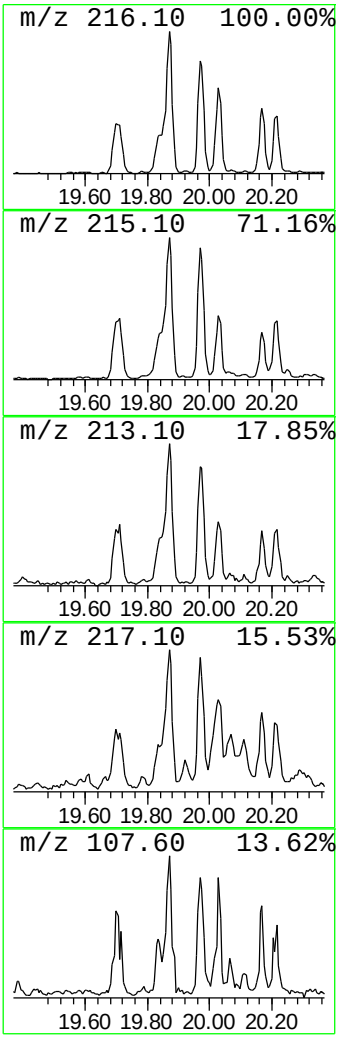
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	3.69 ng/ul	784223	Chrysene-d12	21.14

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	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

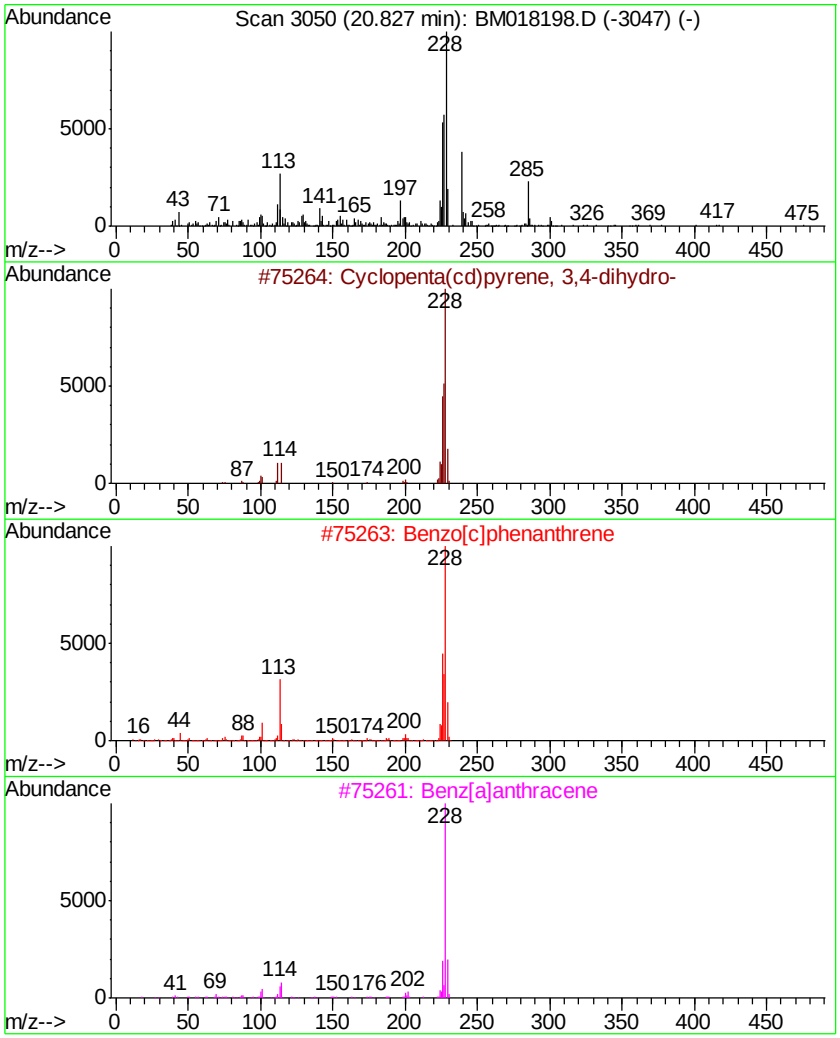
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

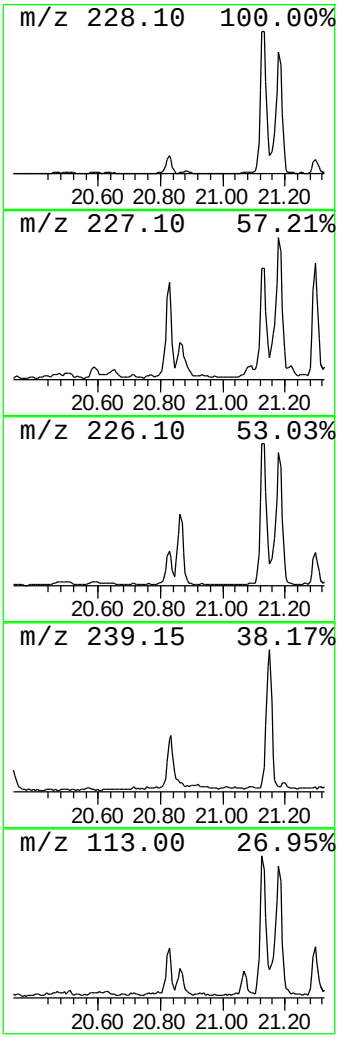
****

Peak Number 20 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.50 ng/ul	531500	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	41
3	Benz[a]anthracene	228	C18H12	000056-55-3	25
4	Triphenylene	228	C18H12	000217-59-4	25
5	Benz[a]anthracene	228	C18H12	000056-55-3	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121418\
Data File : BM018198.D
Acq On : 15 Dec 2018 10:03
Operator : JU/SJ
Sample : J6238-07DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.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
Dibenzofuran, 4-m...	15.52	2.4	ng/ul	194745	3	14.16	1649210	20.0
9H-Fluorene, 2-me...	16.23	3.8	ng/ul	359876	4	16.93	1895750	20.0
Naphtho[2,3-b]thi...	16.75	3.5	ng/ul	329475	4	16.93	1895750	20.0
Phenanthrene, 2-m...	17.80	8.6	ng/ul	812578	4	16.93	1895750	20.0
1H-Cyclopropa[l]p...	17.93	4.7	ng/ul	442853	4	16.93	1895750	20.0
4H-Cyclopenta[def...	18.00	15.6	ng/ul	1475080	4	16.93	1895750	20.0
1,2,4,8-Tetrameth...	18.31	6.0	ng/ul	564419	4	16.93	1895750	20.0
9,10-Anthracenedione	18.36	2.1	ng/ul	196210	4	16.93	1895750	20.0
Anthracene, 1,4-d...	18.56	4.2	ng/ul	394970	4	16.93	1895750	20.0
9,10-Dimethylanth...	18.73	6.4	ng/ul	608431	4	16.93	1895750	20.0
unknown-01	18.80	4.5	ng/ul	425202	4	16.93	1895750	20.0
Phenanthrene, 2,7...	18.88	3.3	ng/ul	315732	4	16.93	1895750	20.0
Fluoranthene, 2-m...	19.70	2.5	ng/ul	530587	5	21.14	4246660	20.0
11H-Benzo[b]fluorene	19.87	3.7	ng/ul	784223	5	21.14	4246660	20.0
unknown-02	20.83	2.5	ng/ul	531500	5	21.14	4246660	20.0