LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012594.D
Acq On : 31 Oct 2017 03:35
Operator : SJ/JU
Sample : I5886-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESNF5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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	3.863	127	132	137	rVB	146680	189466	1.43%	0.109%
2	7.022	661	669	681	rBV2	1141281	2108788	15.90%	1.215%
3	7.187	690	697	706	rBV	1022349	1562646	11.78%	0.901%
4	7.387	724	731	738	rBV	1283528	2074835	15.65%	1.196%
5	7.857	804	811	818	rBV	1410487	2263406	17.07%	1.304%
6	8.557	922	930	938	rBV	1215886	1939521	14.63%	1.118%
7	9.010	1000	1007	1015	rBV	1215314	1994480	15.04%	1.149%
8	9.728	1122	1129	1136	rBV	1030471	1704059	12.85%	0.982%
9	10.269	1214	1221	1230	rBV	1523113	2548217	19.22%	1.468%
10	10.645	1277	1285	1291	rBV	1741338	2954271	22.28%	1.702%
11	10.781	1299	1308	1320	rBV	930905	1676012	12.64%	0.966%
12	11.963	1503	1509	1515	rVB	99504	162401	1.22%	0.094%
13	13.892	1827	1837	1842	rBV	2738698	3701415	27.91%	2.133%
14	13.939	1842	1845	1849	rVB	217336	273334	2.06%	0.158%
15	14.180	1879	1886	1896	rVB	2980356	4599042	34.68%	2.650%
16	14.486	1927	1938	1944	rBV2	2441265	3825622	28.85%	2.205%
17	14.551	1944	1949	1956	rVB	270279	433638	3.27%	0.250%
18	14.680	1965	1971	1982	rBV	705406	1214728	9.16%	0.700%
19	14.886	2001	2006	2014	rVB	182555	342157	2.58%	0.197%
20	15.474	2099	2106	2112	rBV	3856575	5499897	41.47%	3.169%
21	15.533	2112	2116	2122	rVV2	287321	430503	3.25%	0.248%
22	15.598	2122	2127	2134	rVV	807246	1136211	8.57%	0.655%
23	15.839	2162	2168	2174	rVB2	475311	725233	5.47%	0.418%
24	15.974	2186	2191	2198	rVB2	83760	170424	1.29%	0.098%
25	16.204	2225	2230	2231	rBV2	109664	149682	1.13%	0.086%
26	16.880	2341	2345	2352	rVB	304488	457623	3.45%	0.264%
27	16.986	2355	2363	2369	rVV7	125667	305902	2.31%	0.176%
28	17.045	2369	2373	2381	rVB	212378	330683	2.49%	0.191%
29	17.227	2398	2404	2408	rVV2	3179319	4763673	35.92%	2.745%
30	17.268	2408	2411	2416	rVV	4648495	6311893	47.60%	3.637%
31	17.327	2416	2421	2425	rVV	4078129	6030841	45.48%	3.475%
32	17.357	2425	2426	2432	rVV	695739	728446	5.49%	0.420%
33	17.415	2432	2436	2441	rVB2	83592	135928	1.03%	0.078%
34	17.627	2464	2472	2484	rBV2	541319	928774	7.00%	0.535%

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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Title : SVOA CALIBRATION

35	17.745	2485	2492	2498	rVV3	83402	225882	1.70%	0.130%
36	17.810	2499	2503	2509	rVB3	92836	139406	1.05%	0.080%
37	18.115	2548	2555	2558	rVV2	640726	1404867	10.59%	0.810%
38	18.151	2558	2561	2566	rVV	644609	915701	6.91%	0.528%
39	18.233	2570	2575	2579	rVV	161296	249084	1.88%	0.144%
40	18.298	2580	2586	2589	rVV2	639571	1142038	8.61%	0.658%
41	18.333	2589	2592	2597	rVB	314900	428679	3.23%	0.247%
42	18.598	2633	2637	2641	rBV	392240	534857	4.03%	0.308%
43	18.639	2641	2644	2652	rVB	773843	1039532	7.84%	0.599%
44	19.021	2704	2709	2712	rBV2	310813	481262	3.63%	0.277%
45	19.156	2728	2732	2739	rBV	474065	713420	5.38%	0.411%
46	19.280	2745	2753	2760	rBV	9281290	12148703	91.61%	7.001%
47	19.392	2767	2772	2776	rBV2	275665	473555	3.57%	0.273%
48	19.521	2792	2794	2798	rVB	152209	161094	1.21%	0.093%
49	19.615	2804	2810	2812	rBV2	6236049	8497351	64.08%	4.897%
50	19.645	2812	2815	2822	rVV	7370414	9443199	71.21%	5.442%
51	19.715	2823	2827	2831	rVB2	270594	391245	2.95%	0.225%
52	19.821	2841	2845	2850	rVB	396968	525578	3.96%	0.303%
53	19.880	2851	2855	2861	rBV	260547	385051	2.90%	0.222%
54	19.962	2864	2869	2871	rBV2	417644	729876	5.50%	0.421%
55	20.133	2895	2898	2911	rVB	744671	1250059	9.43%	0.720%
56	20.233	2912	2915	2919	rVB	369412	439248	3.31%	0.253%
57	20.292	2920	2925	2929	rVV3	550123	907599	6.84%	0.523%
58	20.333	2929	2932	2936	rVB	242771	286733	2.16%	0.165%
59	20.433	2946	2949	2952	rBV	335506	402912	3.04%	0.232%
60	20.480	2953	2957	2961	rVV	350001	499132	3.76%	0.288%
61	20.880	3021	3025	3032	rVB	974258	1224381	9.23%	0.706%
62	21.045	3048	3053	3057	rBV2	697917	1197080	9.03%	0.690%
63	21.086	3057	3060	3062	rVV	697166	893170	6.74%	0.515%
64	21.115	3062	3065	3071	rVV3	966454	1984781	14.97%	1.144%
65	21.174	3071	3075	3083	rVB2	1016505	1447685	10.92%	0.834%
66	21.392	3106	3112	3117	rBV3	6358630	13260828	100.00%	7.642%
67	21.433	3117	3119	3130	rVB	4722674	5906453	44.54%	3.404%
68	21.556	3136	3140	3145	rBV4	531091	869605	6.56%	0.501%
69	21.715	3163	3167	3171	rVB2	635600	887961	6.70%	0.512%
70	23.003	3380	3386	3391	rBV	4395825	10364725	78.16%	5.973%
71	23.497	3465	3470	3474	rBV	2188731	3823362	28.83%	2.203%

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Sampling : 1 Min Area: 1 % of largest Peak
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72	23.550	3474	3479	3483	rVV2	3770704	6999150	52.78%	4.033%
73	23.597	3483	3487	3495	rVB	3420604	5931541	44.73%	3.418%
74	23.697	3498	3504	3509	rBV	3096211	5789946	43.66%	3.337%
75	26.027	3894	3900	3912	rVB	1876467	5455297	41.14%	3.144%

Sum of corrected areas: 173525779

LSC Report - Integrated Chromatogram

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Sample : I5886-17
Misc :
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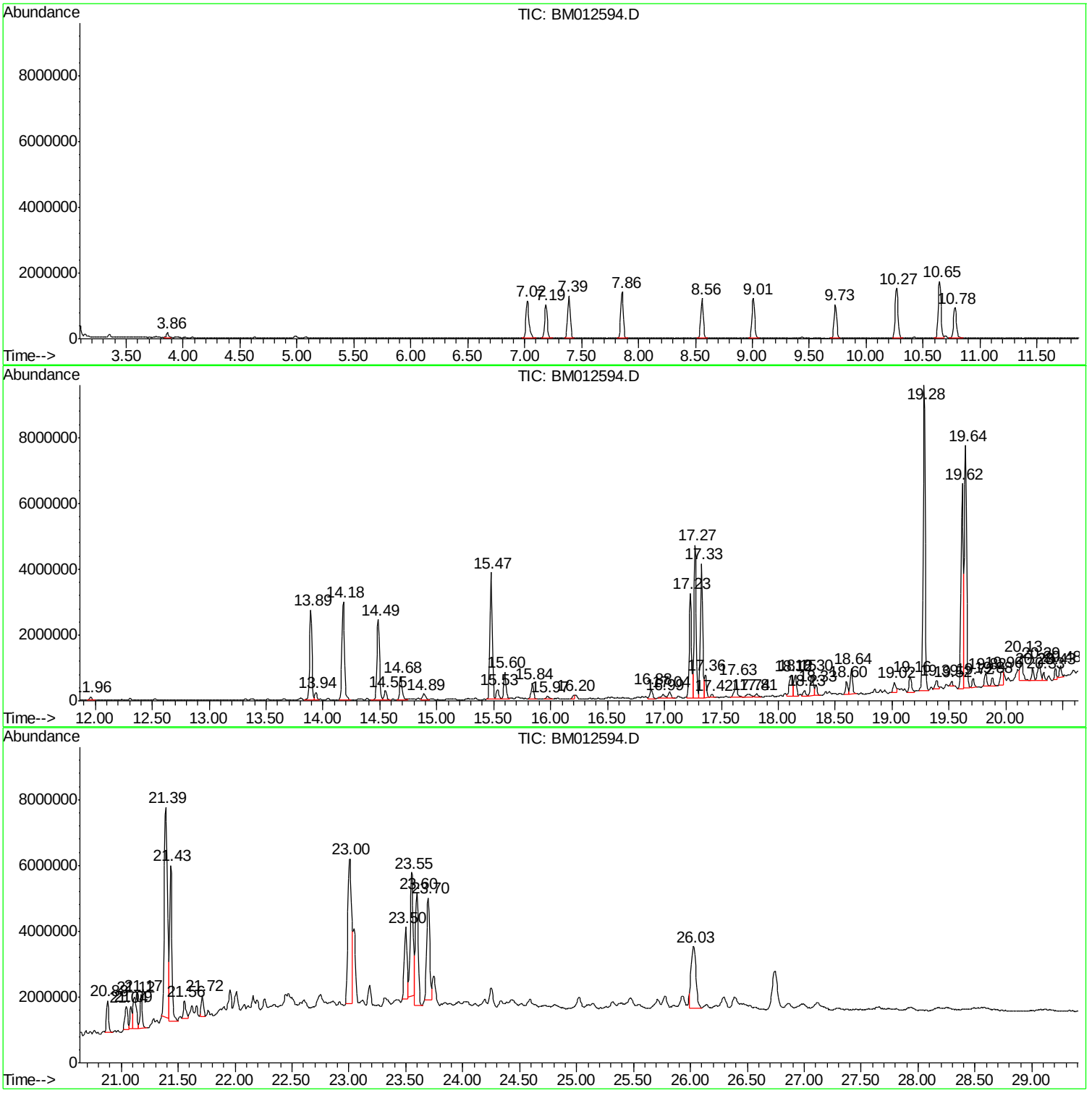
Instrument : BNA_M
ClientSampleId : ESNF5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012594.D
Acq On : 31 Oct 2017 03:35
Operator : SJ/JU
Sample : I5886-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESNF5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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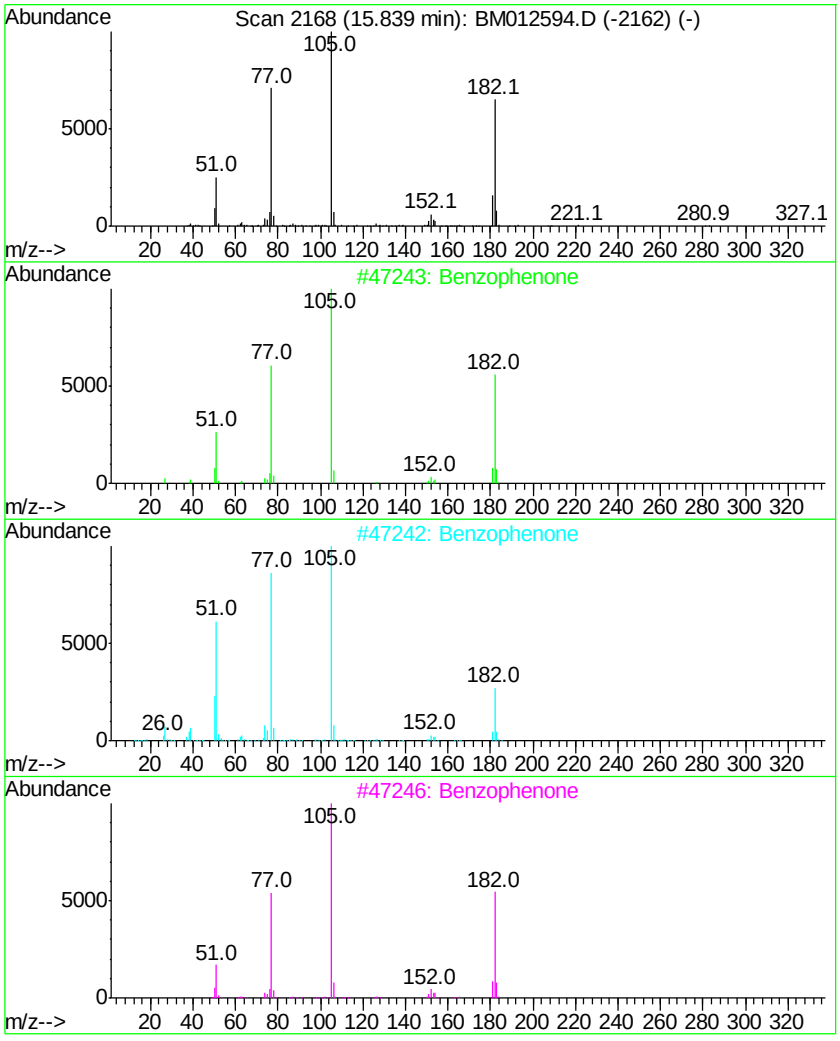
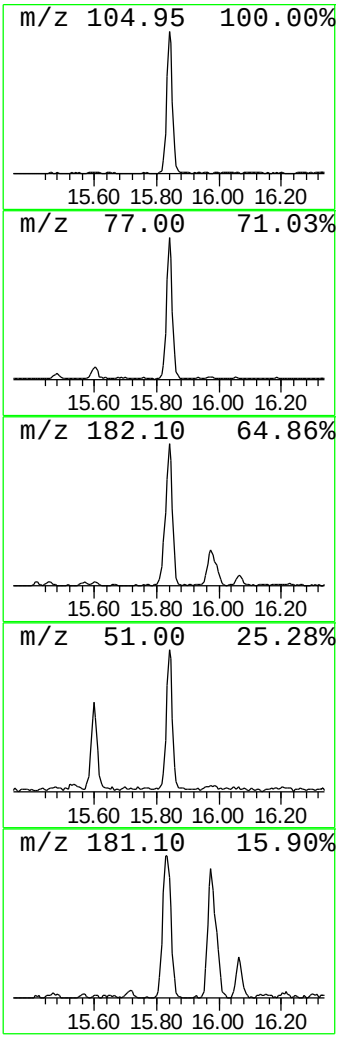
Peak Number 1 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.79 ng/ul	725233	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	95
4	Benzophenone	182	C13H10O	000119-61-9	95
5	Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	90





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Sample : I5886-17
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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESNF5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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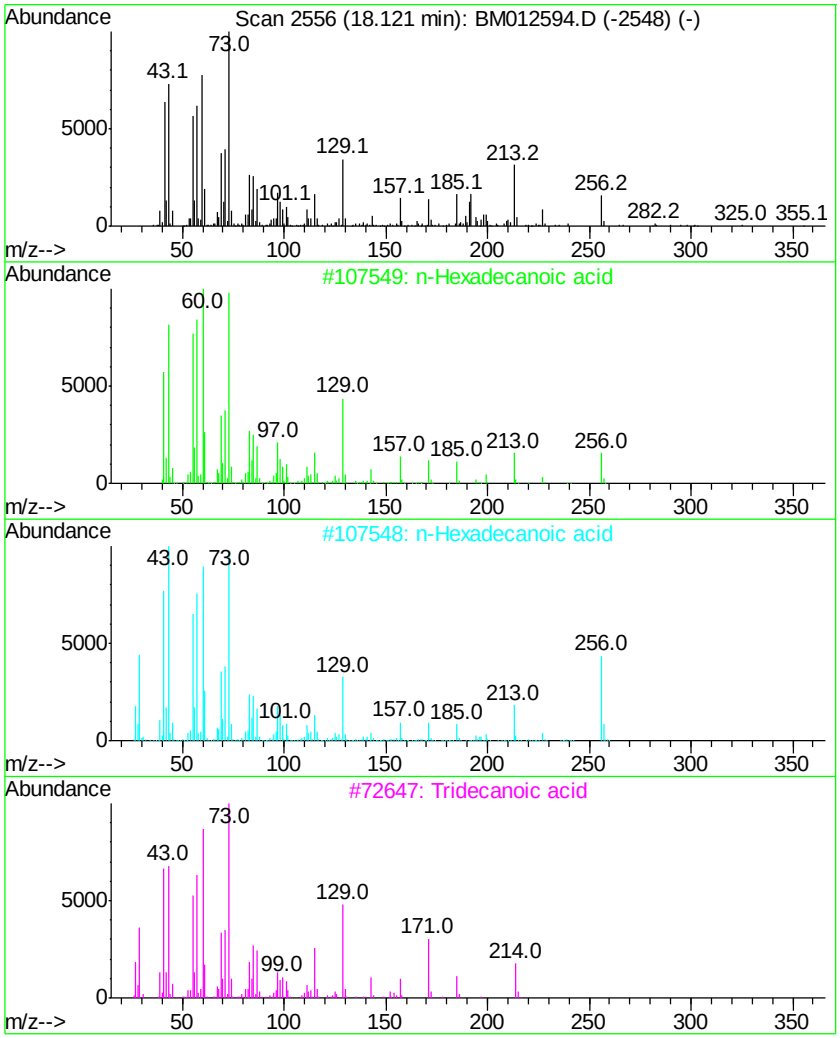
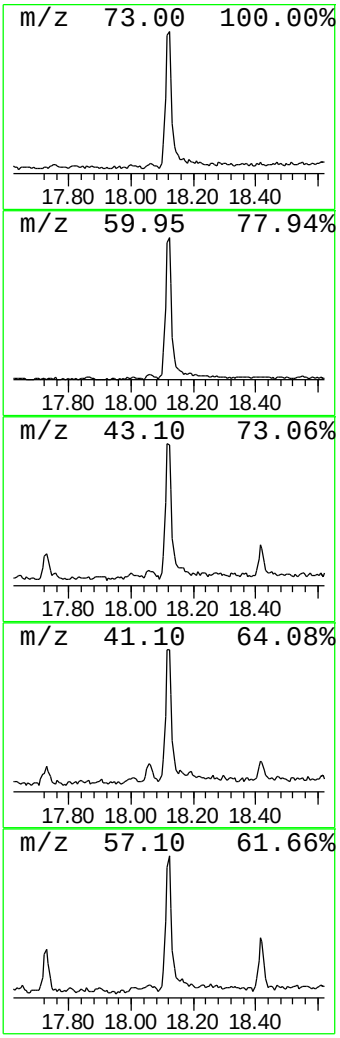
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.90 ng/ul	1404870	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	60
5	Octadecanoic acid	284	C18H36O2	000057-11-4	55





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Sample : I5886-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESNF5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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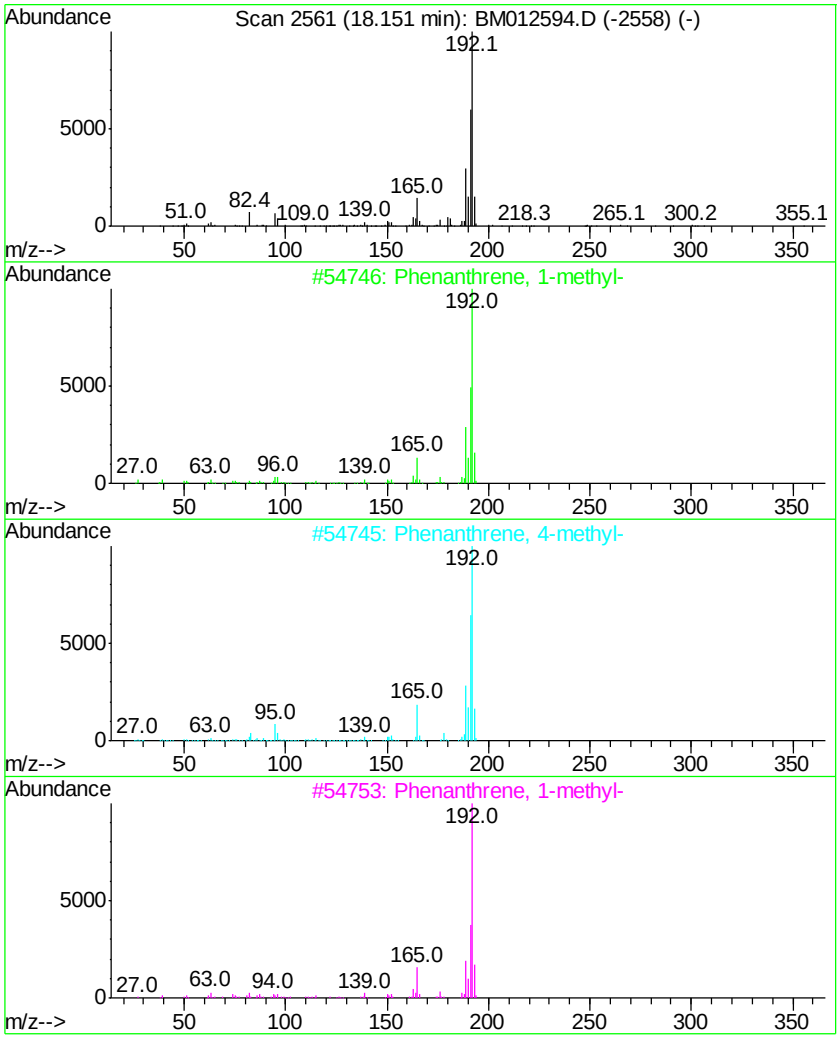
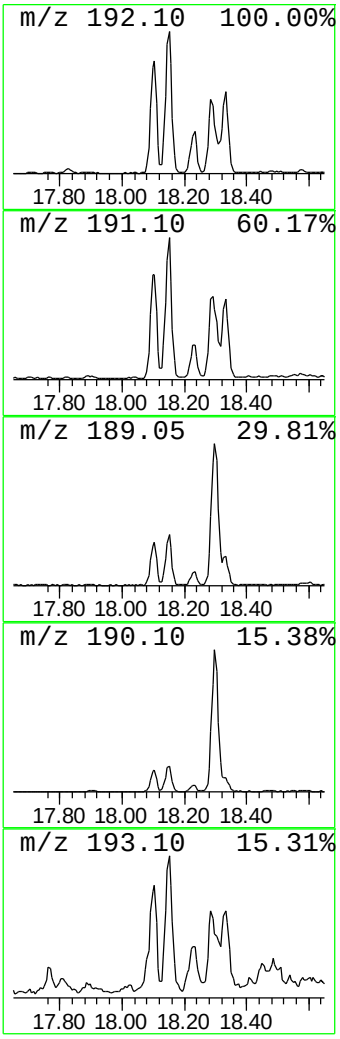
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.84 ng/ul	915701	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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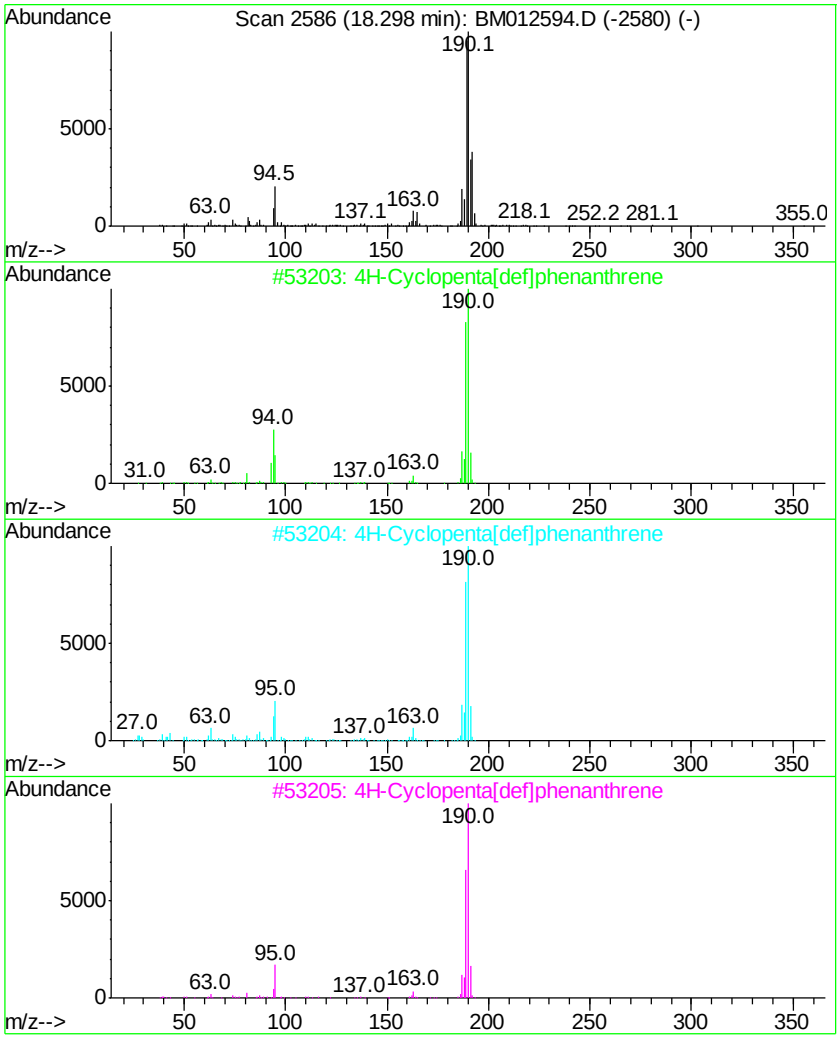
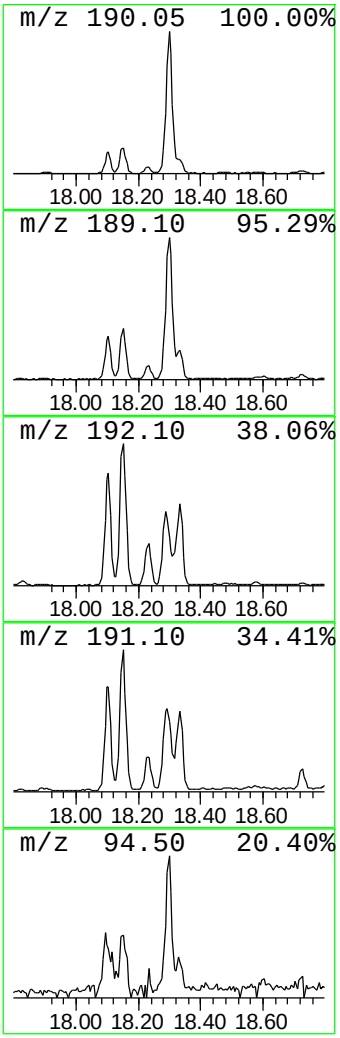
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	4.79 ng/ul	1142040	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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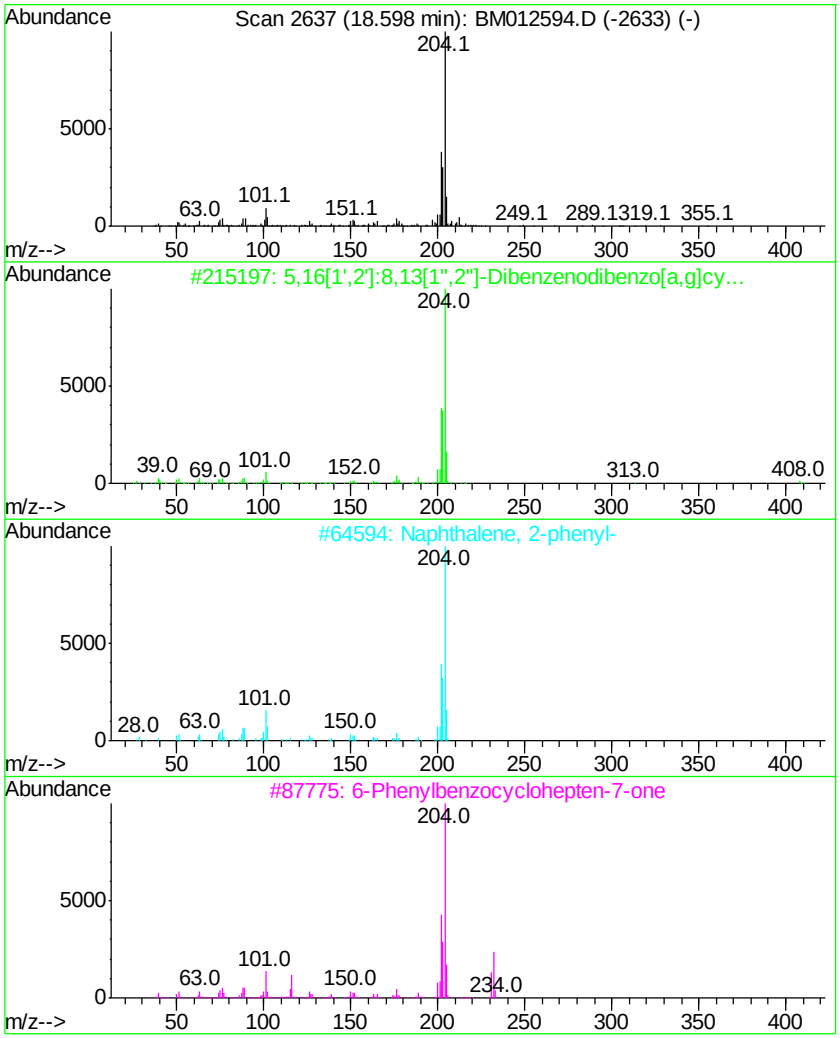
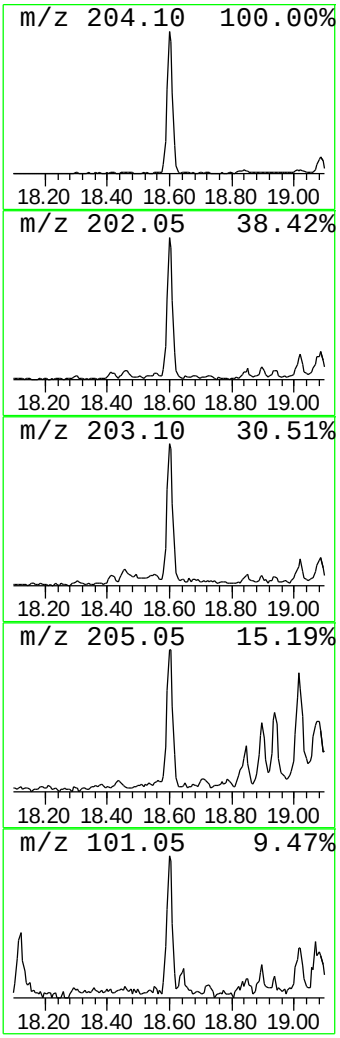
****

Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.25 ng/ul	534857	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





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Quant Title : SVOA CALIBRATION

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

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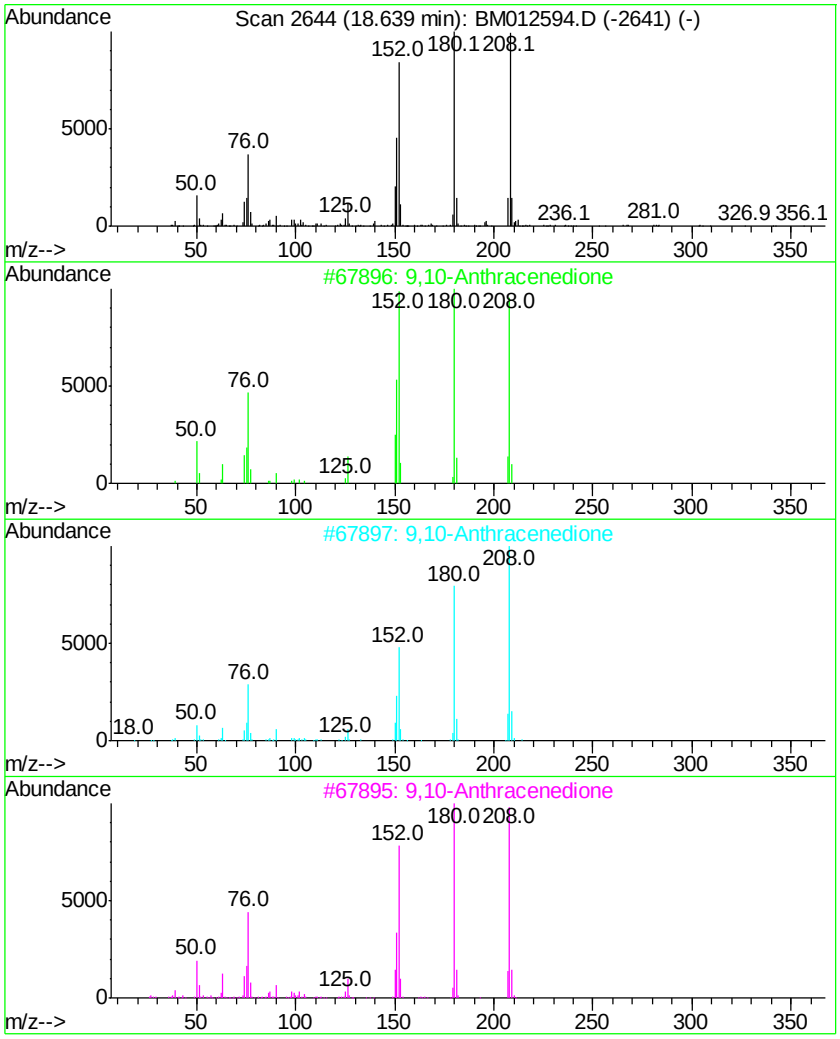
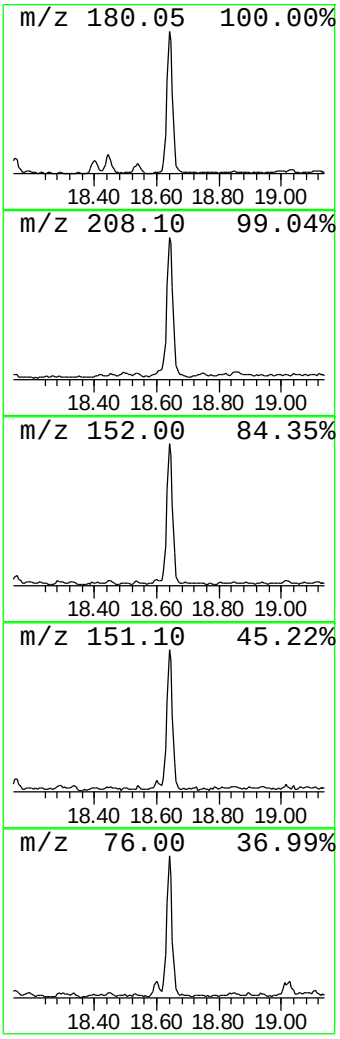
Peak Number 6 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	4.36 ng/ul	1039530	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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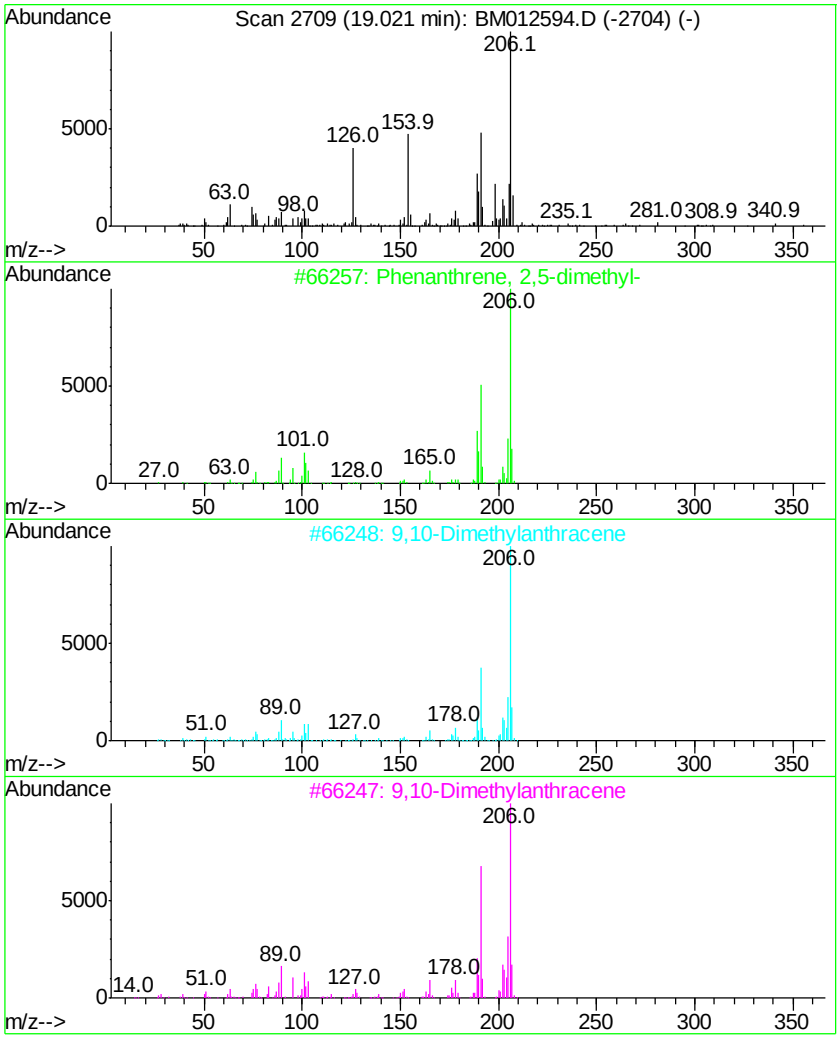
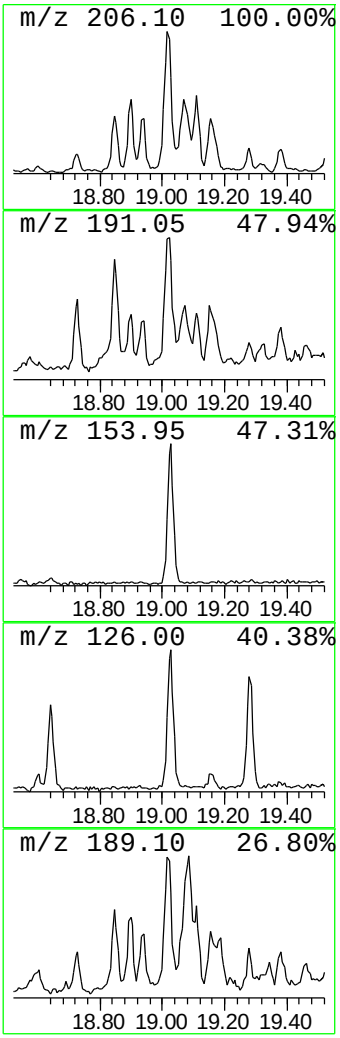
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.02 ng/ul	481262	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012594.D
Acq On : 31 Oct 2017 03:35
Operator : SJ/JU
Sample : I5886-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESNF5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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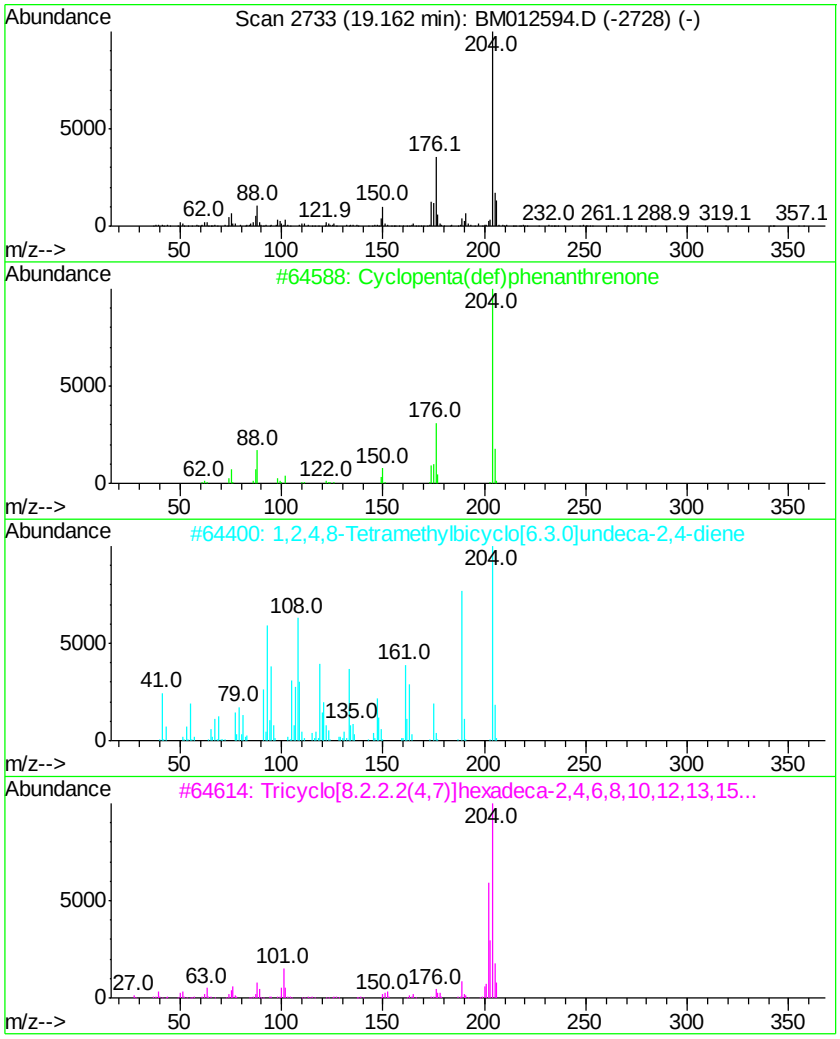
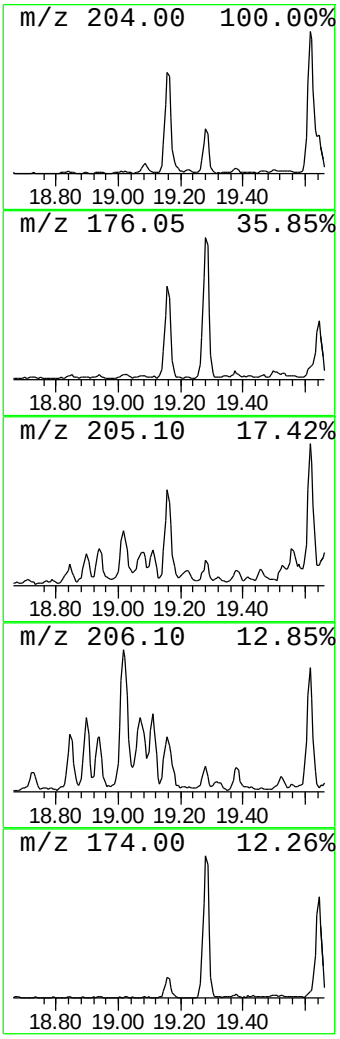
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	3.00 ng/ul	713420	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Ethyl 2,3,4,6-tetrakis-O-(trimet...	496	C20H48O6Si4	1000365-90-0	43





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Instrument : BNA_M
ClientSampleId : ESNF5

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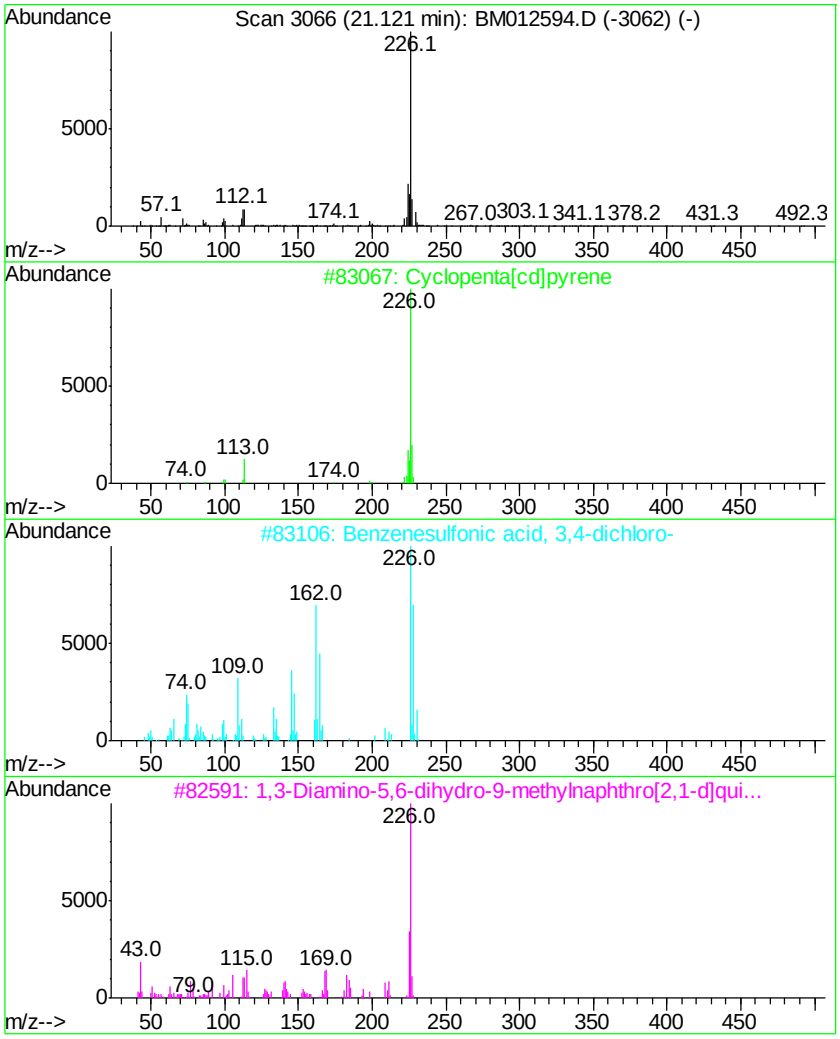
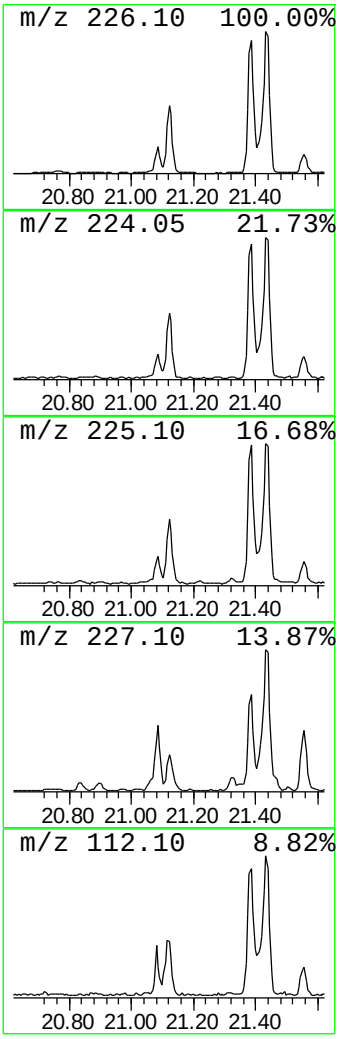
Peak Number 9 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.99 ng/ul	1984780	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	Benzenesulfonic acid, 3,4-dichloro-	226	C6H4Cl2O3S	000939-95-7	43
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	38
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	25
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	22





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ClientSampleId : ESNF5

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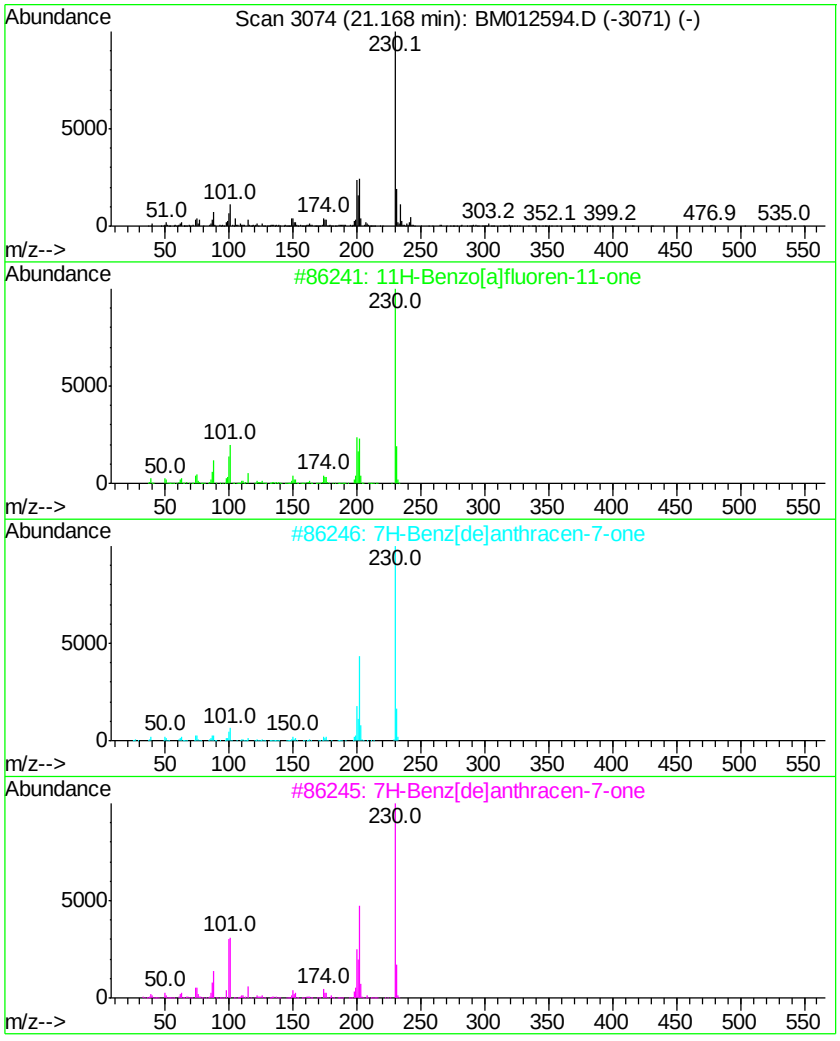
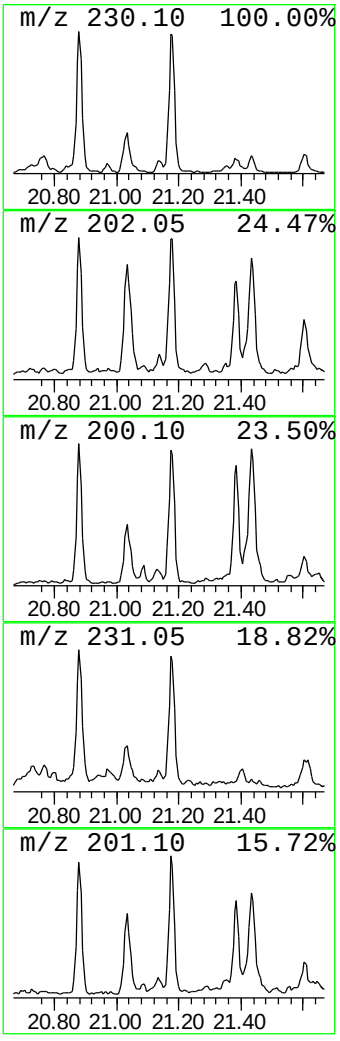
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.17	2.18 ng/ul	1447690	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80





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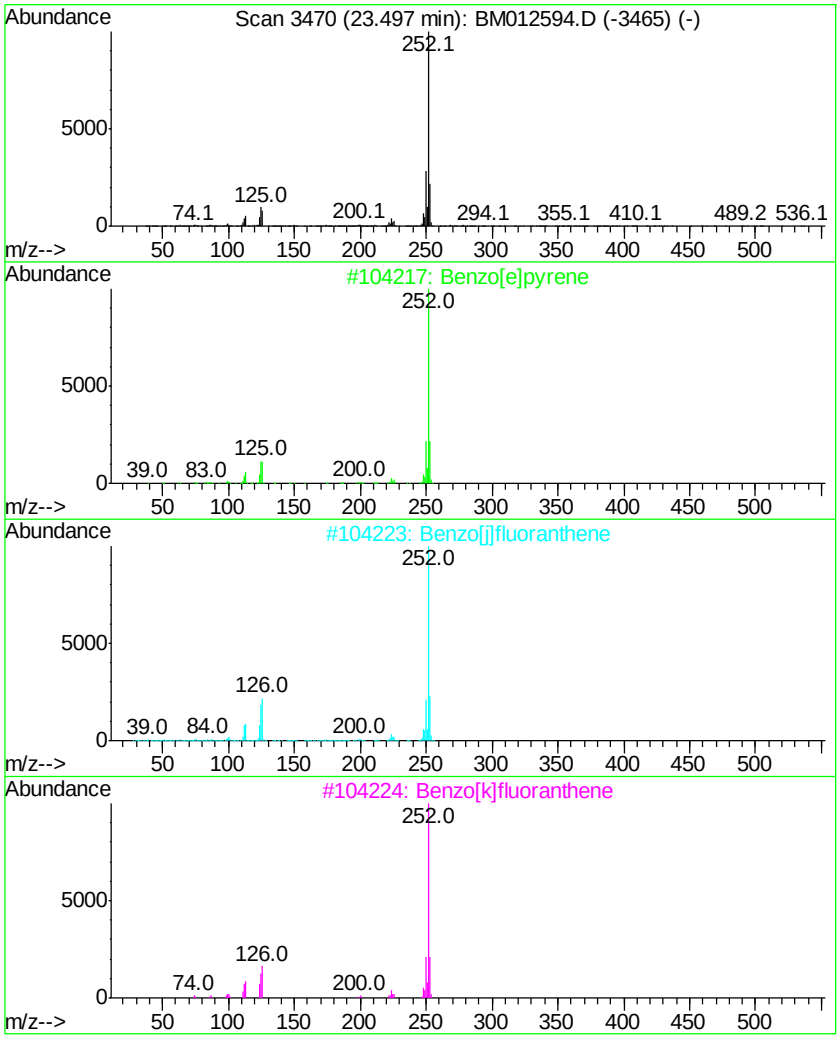
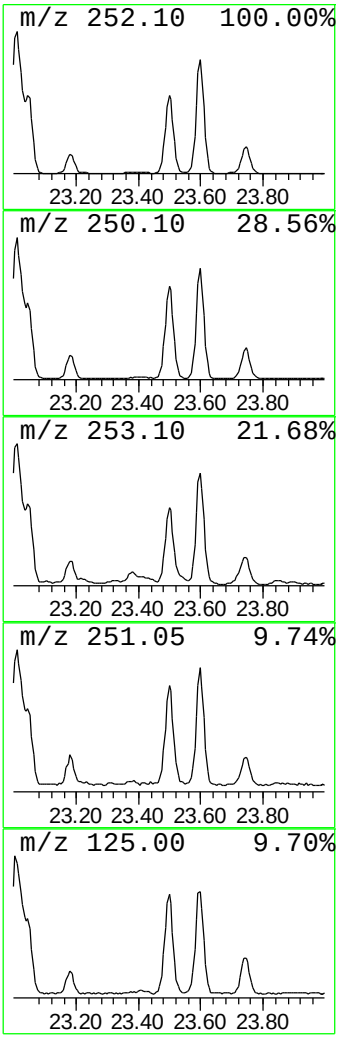
Peak Number 11 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	13.21 ng/ul	3823360	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

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Data File : BM012594.D
Acq On : 31 Oct 2017 03:35
Operator : SJ/JU
Sample : I5886-17
Misc :
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ClientSampleId : ESNF5

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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.84	3.8	ng/ul	725233	3	14.49	3825620	20.0
n-Hexadecanoic acid	18.12	5.9	ng/ul	1404870	4	17.23	4763670	20.0
Phenanthrene, 1-m...	18.15	3.8	ng/ul	915701	4	17.23	4763670	20.0
4H-Cyclopenta[def...	18.30	4.8	ng/ul	1142040	4	17.23	4763670	20.0
5,16[1',2']:8,13[...	18.60	2.3	ng/ul	534857	4	17.23	4763670	20.0
9,10-Anthracenedione	18.64	4.4	ng/ul	1039530	4	17.23	4763670	20.0
Phenanthrene, 2,5...	19.02	2.0	ng/ul	481262	4	17.23	4763670	20.0
Cyclopenta(def)ph...	19.16	3.0	ng/ul	713420	4	17.23	4763670	20.0
unknown-01	21.12	3.0	ng/ul	1984780	5	21.40	13260800	20.0
11H-Benzo[a]fluor...	21.17	2.2	ng/ul	1447690	5	21.40	13260800	20.0
Benzo[e]pyrene	23.50	13.2	ng/ul	3823360	6	23.70	5789950	20.0