

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010691.D
 Acq On : 23 Jun 2017 14:40
 Operator : SJ/JU
 Sample : I3599-06DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5A87DL

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1 % of largest Peak

Max Peaks: 100

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-BM062017.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	6.646	633	639	649	rVB2	51343	81746	2.40%	0.290%
2	6.810	663	667	674	rVB2	33787	48950	1.43%	0.174%
3	6.998	692	699	706	rBB2	51994	77122	2.26%	0.273%
4	7.463	772	778	785	rVB	334178	515504	15.11%	1.827%
5	8.163	892	897	903	rBV	66097	103128	3.02%	0.366%
6	8.598	966	971	978	rVB2	49827	79207	2.32%	0.281%
7	9.316	1088	1093	1101	rBB3	47442	72275	2.12%	0.256%
8	9.845	1177	1183	1190	rBB2	78210	116881	3.43%	0.414%
9	10.222	1240	1247	1253	rBV	505715	826645	24.23%	2.930%
10	10.369	1266	1272	1281	rVB	60792	96534	2.83%	0.342%
11	13.533	1804	1810	1814	rBV	150452	208922	6.12%	0.741%
12	13.575	1814	1817	1822	rVB	40870	52762	1.55%	0.187%
13	13.798	1849	1855	1866	rVB2	154138	245336	7.19%	0.870%
14	14.110	1902	1908	1915	rBV2	790467	1238664	36.30%	4.390%
15	14.316	1939	1943	1954	rVB	61267	88863	2.60%	0.315%
16	15.110	2073	2078	2084	rBV	222236	297374	8.72%	1.054%
17	15.233	2094	2099	2104	rBV	62693	83174	2.44%	0.295%
18	15.839	2198	2202	2208	rBV5	25225	37613	1.10%	0.133%
19	16.868	2370	2377	2381	rBV2	1102756	1593589	46.70%	5.648%
20	16.910	2381	2384	2388	rVV	94777	116862	3.42%	0.414%
21	16.963	2388	2393	2396	rVV2	243128	381141	11.17%	1.351%
22	16.998	2396	2399	2405	rVV	661489	856192	25.09%	3.035%
23	17.274	2437	2446	2450	rBV3	34114	54040	1.58%	0.192%
24	17.739	2519	2525	2529	rBV2	22849	39743	1.16%	0.141%
25	17.786	2529	2533	2540	rVB3	80931	115314	3.38%	0.409%
26	17.868	2542	2547	2552	rBV	66971	99393	2.91%	0.352%
27	17.933	2552	2558	2563	rBV3	99063	175361	5.14%	0.622%
28	18.133	2588	2592	2598	rVB8	17805	34916	1.02%	0.124%
29	18.286	2615	2618	2625	rVB6	26613	40468	1.19%	0.143%
30	18.551	2658	2663	2667	rVV4	28830	42978	1.26%	0.152%
31	18.592	2667	2670	2675	rVB	33481	41114	1.20%	0.146%
32	18.674	2678	2684	2689	rBV	80262	124653	3.65%	0.442%
33	18.733	2689	2694	2698	rVV4	50061	87551	2.57%	0.310%
34	18.809	2703	2707	2715	rBV	110507	184145	5.40%	0.653%

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010691.D
 Acq On : 23 Jun 2017 14:40
 Operator : SJ/JU
 Sample : I3599-06DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5A87DL

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 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-BM062017.M
 Title : SVOA CALIBRATION

35	18.939	2724	2729	2735	rVB	1715998	2273430	66.63%	8.058%
36	19.015	2738	2742	2745	rVV2	41094	67108	1.97%	0.238%
37	19.039	2745	2746	2751	rVV5	36842	46026	1.35%	0.163%
38	19.086	2751	2754	2758	rVB3	36204	44953	1.32%	0.159%
39	19.151	2758	2765	2766	rBV6	23254	49035	1.44%	0.174%
40	19.180	2767	2770	2775	rVB	65503	94058	2.76%	0.333%
41	19.274	2781	2786	2788	rBV2	555250	762615	22.35%	2.703%
42	19.304	2788	2791	2800	rVB	1616110	2115792	62.01%	7.499%
43	19.380	2800	2804	2813	rVB4	71124	142712	4.18%	0.506%
44	19.486	2816	2822	2828	rBV	104557	165650	4.85%	0.587%
45	19.545	2828	2832	2838	rVB6	47287	86879	2.55%	0.308%
46	19.639	2840	2848	2854	rBV4	185252	448368	13.14%	1.589%
47	19.721	2859	2862	2866	rBV6	30044	35021	1.03%	0.124%
48	19.774	2866	2871	2872	rBV3	164874	235996	6.92%	0.836%
49	19.862	2882	2886	2888	rBV4	20574	34629	1.01%	0.123%
50	19.909	2890	2894	2897	rVV	102567	119486	3.50%	0.424%
51	19.962	2897	2903	2907	rVV2	254916	422642	12.39%	1.498%
52	20.004	2907	2910	2914	rVB	72911	92141	2.70%	0.327%
53	20.051	2914	2918	2923	rVB3	46297	57525	1.69%	0.204%
54	20.104	2923	2927	2931	rBV	151233	214625	6.29%	0.761%
55	20.151	2931	2935	2941	rVV3	107522	181209	5.31%	0.642%
56	20.368	2968	2972	2974	rBV4	53944	75603	2.22%	0.268%
57	20.474	2988	2990	2994	rVB4	34728	41871	1.23%	0.148%
58	20.556	3001	3004	3010	rVB	206788	254012	7.44%	0.900%
59	20.727	3026	3033	3037	rBV3	237431	404801	11.86%	1.435%
60	20.768	3037	3040	3043	rVV	163807	211967	6.21%	0.751%
61	20.803	3043	3046	3051	rVV2	186299	339923	9.96%	1.205%
62	20.856	3052	3055	3059	rVB	131242	160295	4.70%	0.568%
63	20.968	3071	3074	3081	rVB2	82870	142492	4.18%	0.505%
64	21.080	3083	3093	3097	rBV2	1644348	3412177	100.00%	12.094%
65	21.121	3097	3100	3111	rVB	885631	1192953	34.96%	4.228%
66	21.345	3135	3138	3141	rVB	98616	128510	3.77%	0.455%
67	21.386	3141	3145	3150	rBV2	102844	181066	5.31%	0.642%
68	21.439	3151	3154	3158	rVB2	82915	106856	3.13%	0.379%
69	21.574	3173	3177	3179	rBV2	59130	91180	2.67%	0.323%
70	21.621	3182	3185	3189	rVV	203423	273552	8.02%	0.970%
71	21.674	3190	3194	3199	rVB	113787	158652	4.65%	0.562%

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A87DL

Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0
Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
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-BM062017.M
Title : SVOA CALIBRATION

72	21.809	3214	3217	3220	rBV	64699	78079	2.29%	0.277%
73	21.909	3229	3234	3239	rBV3	53563	95270	2.79%	0.338%
74	22.068	3259	3261	3265	rVB3	53184	65714	1.93%	0.233%
75	22.333	3303	3306	3307	rBV3	45469	52739	1.55%	0.187%
76	22.592	3344	3350	3355	rBV	696746	1577827	46.24%	5.593%
77	22.750	3373	3377	3382	rVB2	73736	111085	3.26%	0.394%
78	22.880	3395	3399	3406	rBV4	55426	116742	3.42%	0.414%
79	23.039	3421	3426	3431	rBV	294656	494402	14.49%	1.752%
80	23.086	3431	3434	3437	rVV2	123450	170037	4.98%	0.603%
81	23.133	3437	3442	3448	rVB	354617	667978	19.58%	2.368%
82	23.221	3451	3457	3462	rBV	637839	1150583	33.72%	4.078%
83	25.333	3810	3816	3830	rVB3	140898	390271	11.44%	1.383%
84	25.968	3922	3924	3932	rVB3	57639	118284	3.47%	0.419%

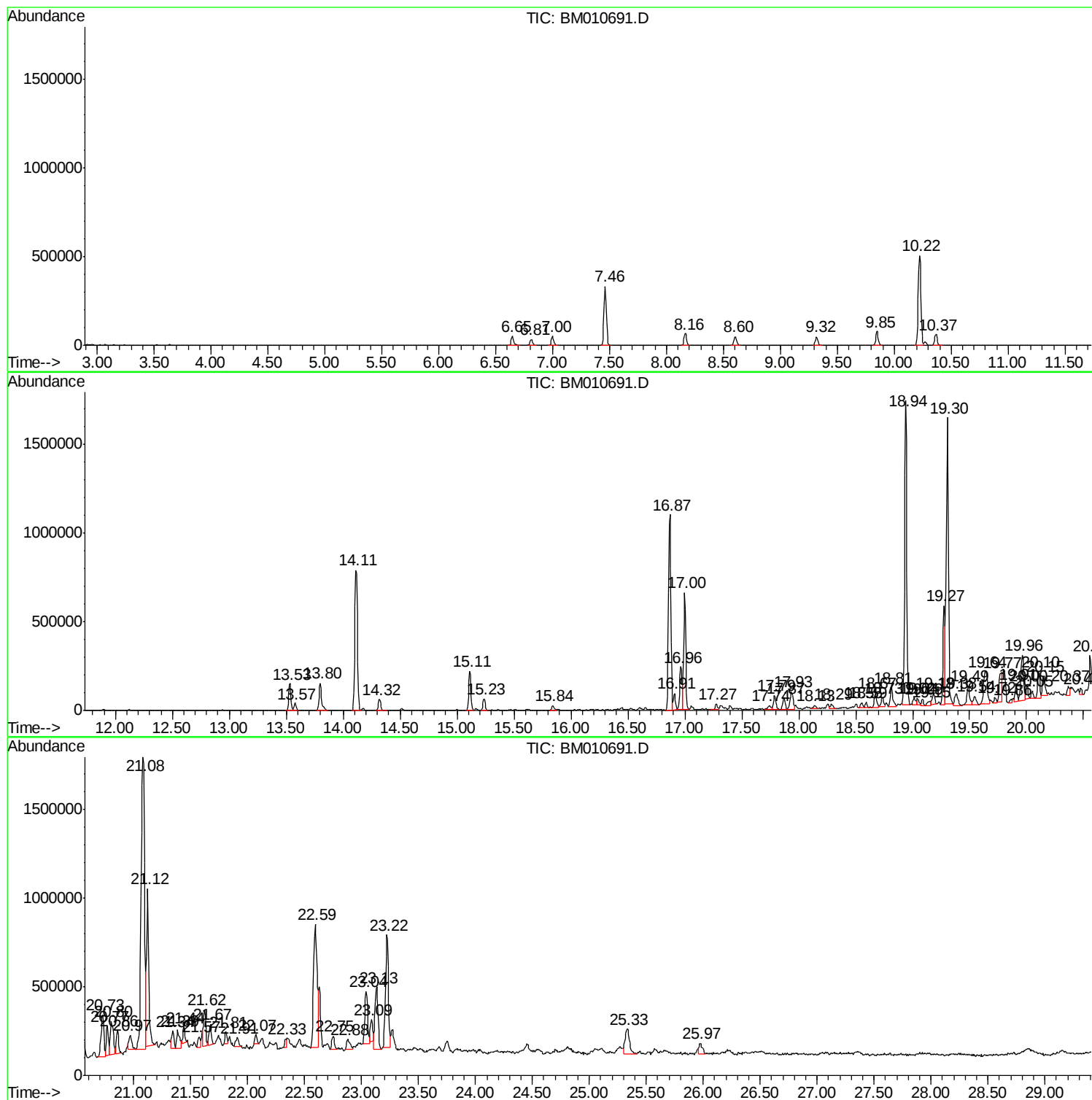
Sum of corrected areas: 28212981

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A87DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

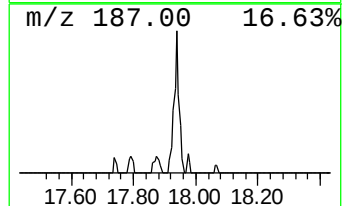
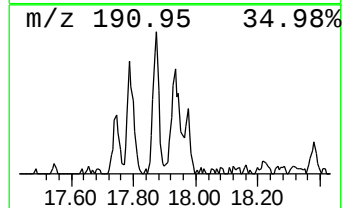
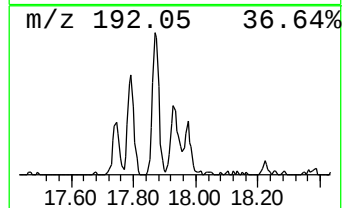
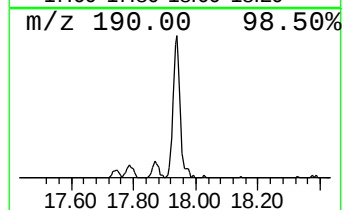
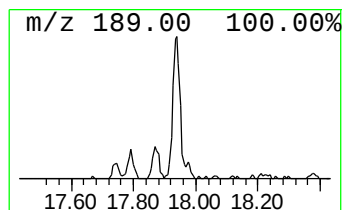
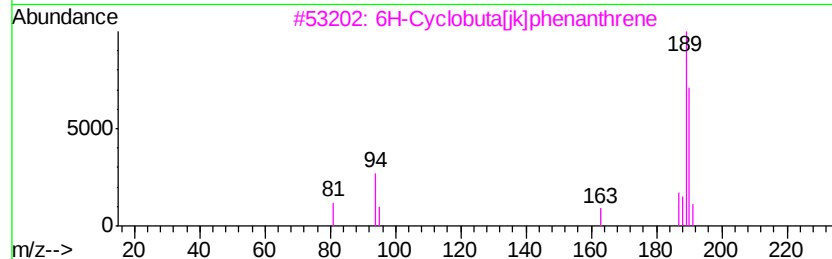
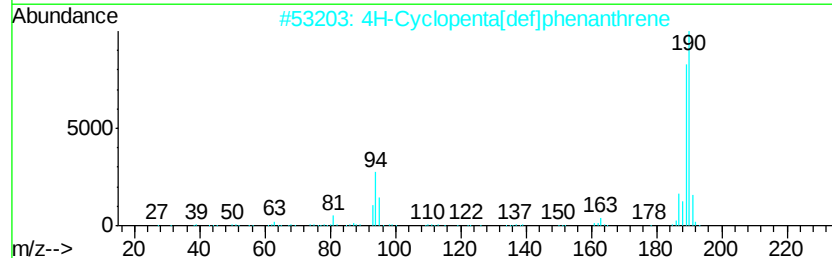
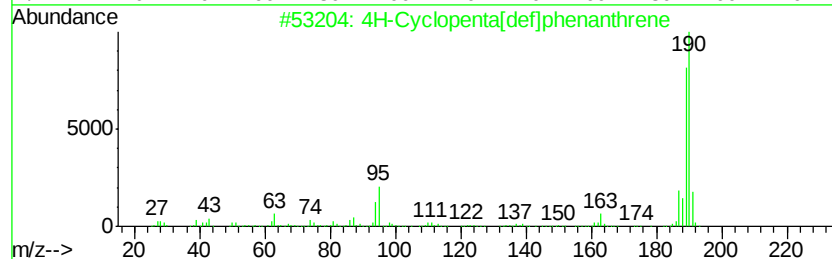
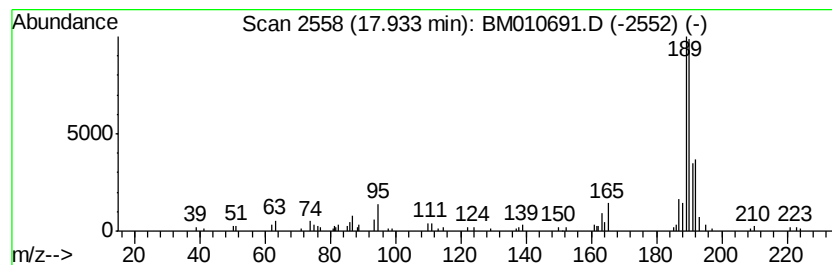
Instrument :
BNA_M
ClientSampleId :
F5A87DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.93	2.20 ng/ul	175361	Phenanthrene-d10	16.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A87DL

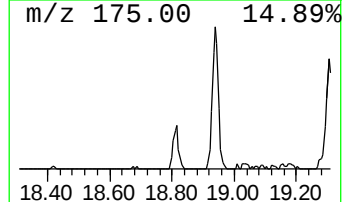
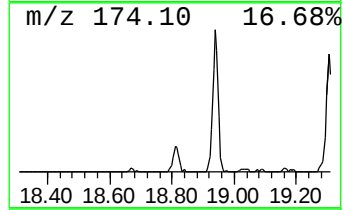
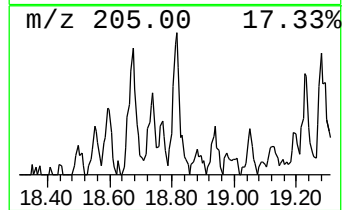
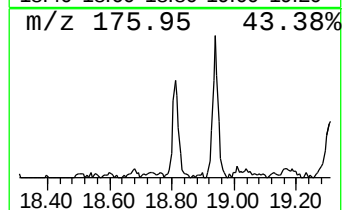
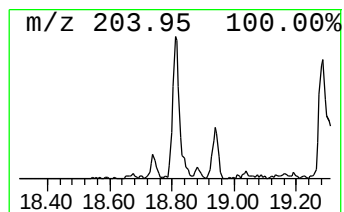
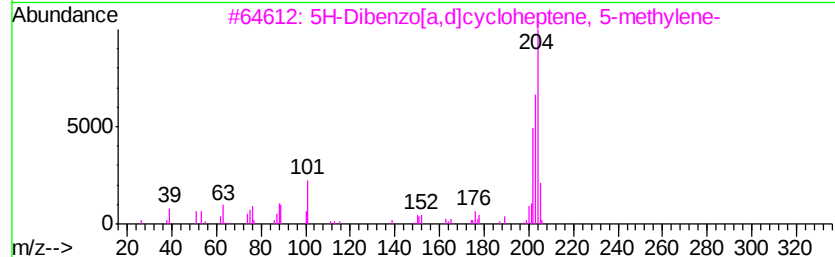
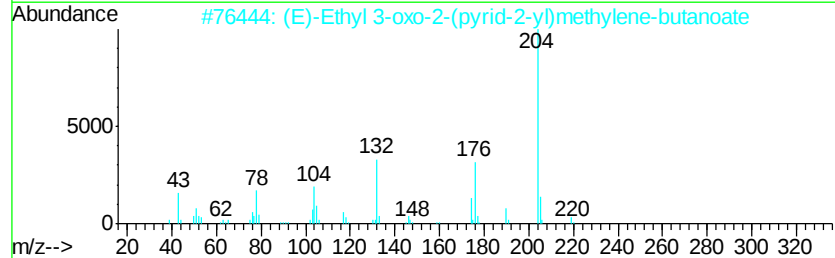
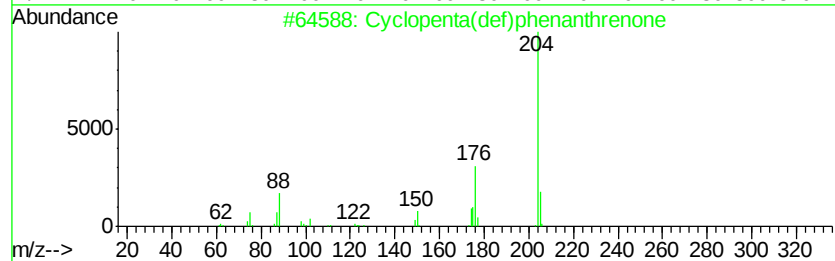
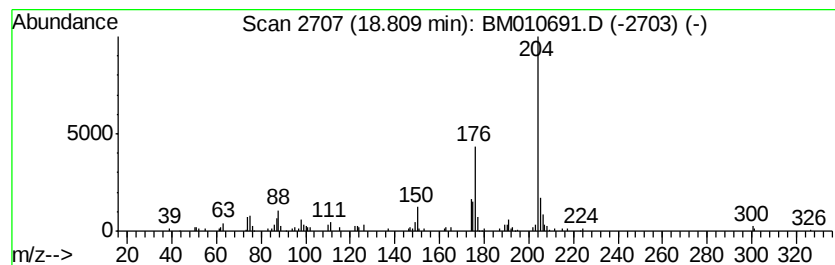
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.31 ng/ul	184145	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	50
3		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

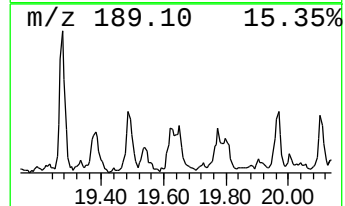
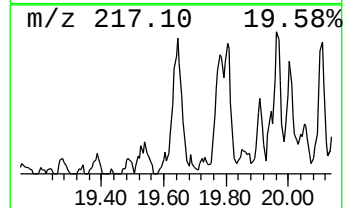
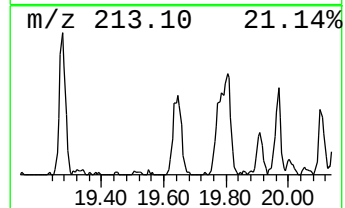
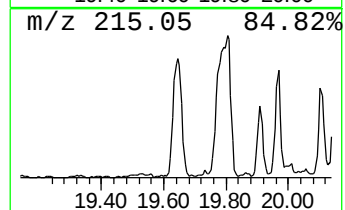
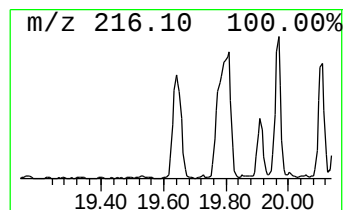
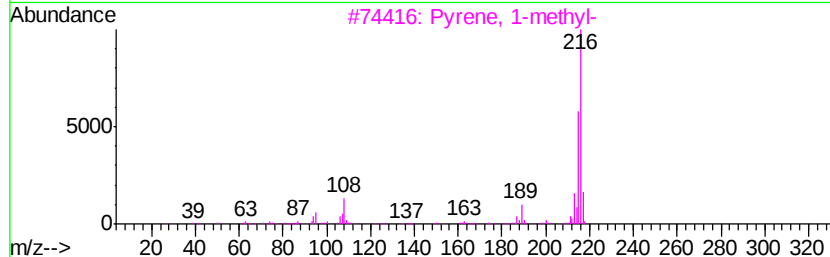
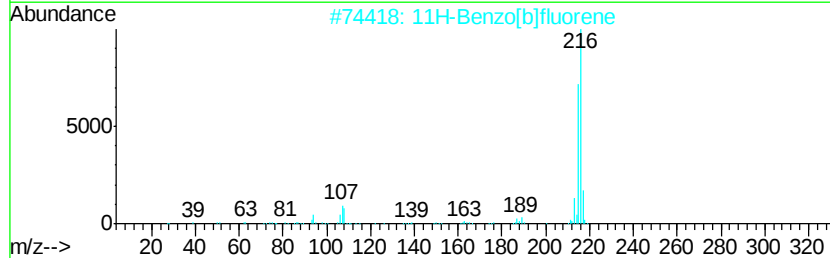
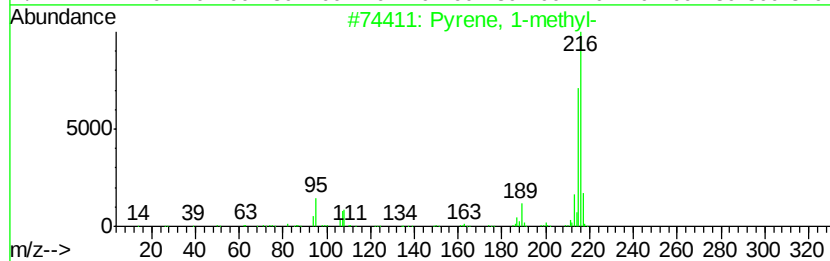
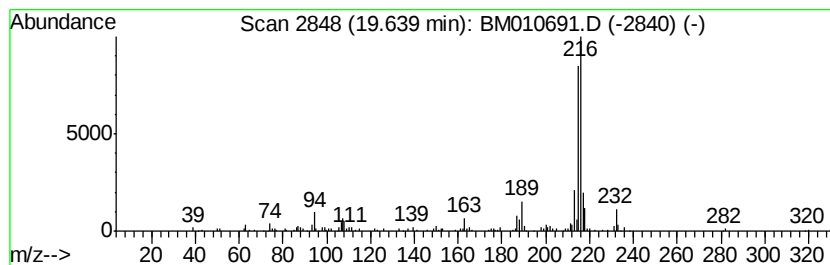
Instrument :
BNA_M
ClientSampleId :
F5A87DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Pyrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.63 ng/ul	448368	Chrysene-d12	21.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pyrene, 1-methyl-	216 C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216 C17H12	002381-21-7	90
4	Pyrene, 1-methyl-	216 C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216 C17H12	000238-84-6	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A87DL

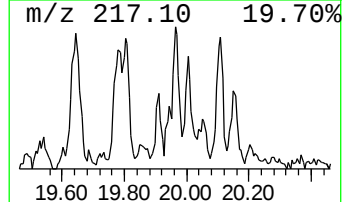
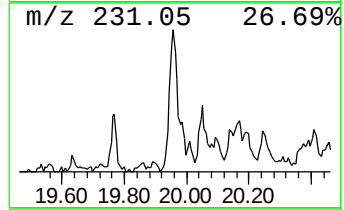
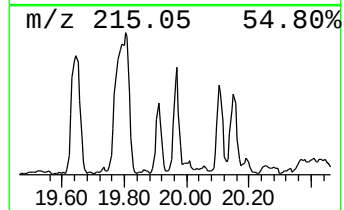
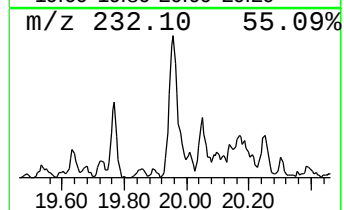
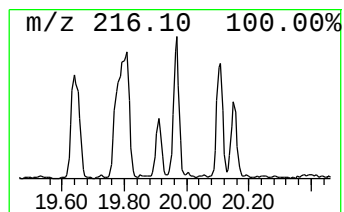
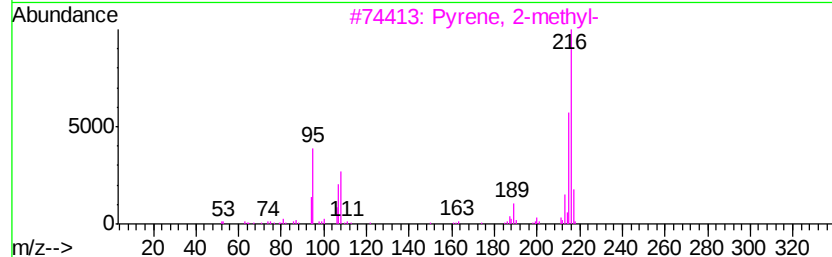
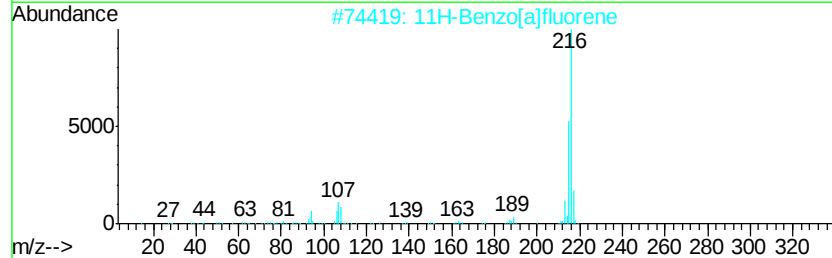
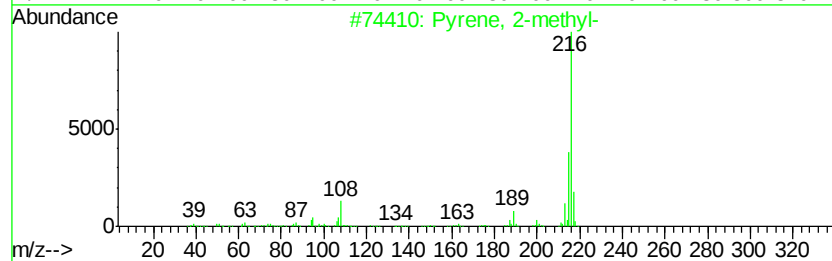
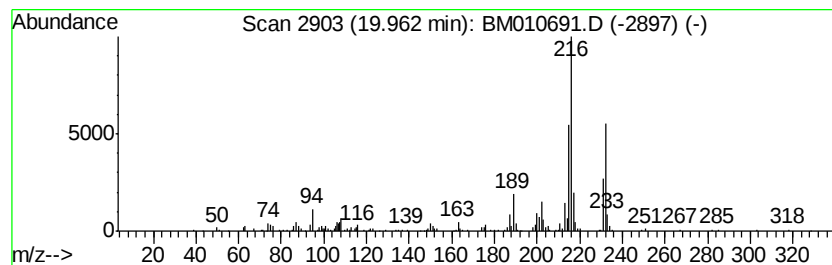
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Pyrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.48 ng/ul	422642	Chrysene-d12	21.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A87DL

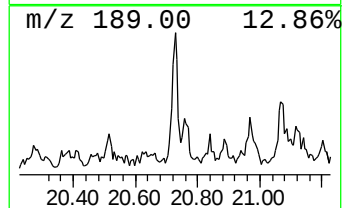
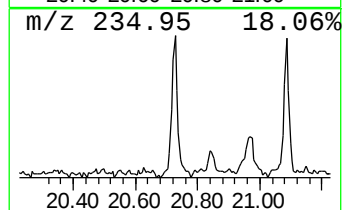
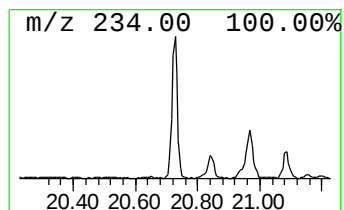
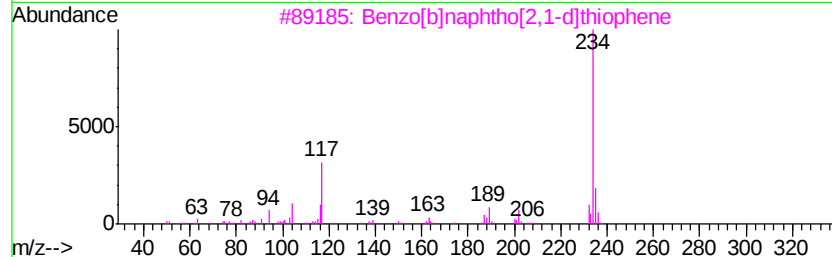
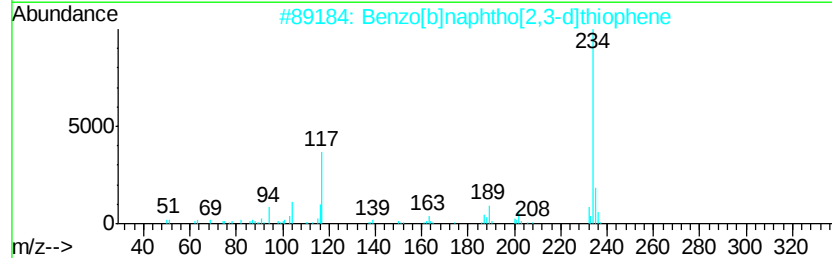
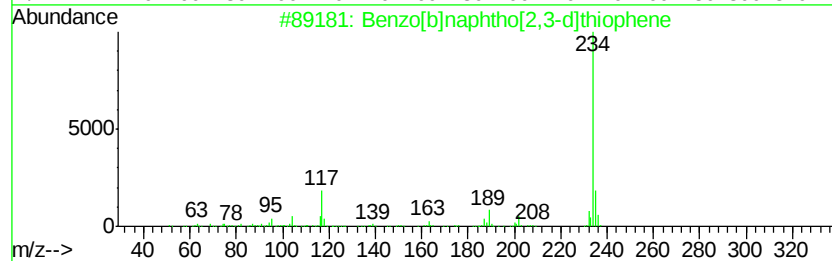
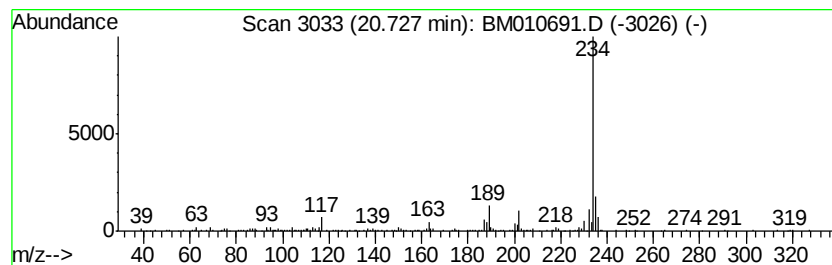
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.37 ng/ul	404801	Chrysene-d12	21.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

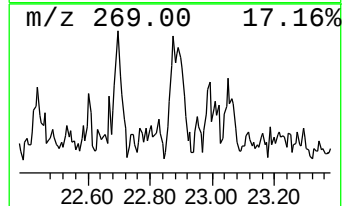
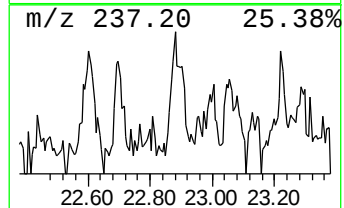
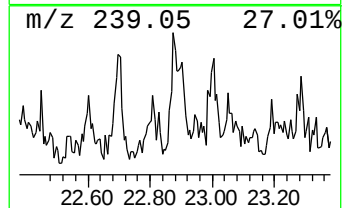
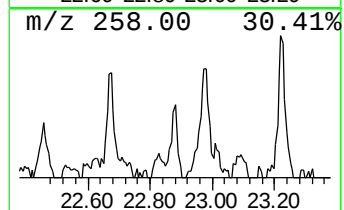
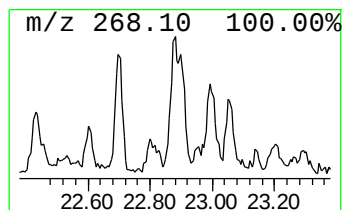
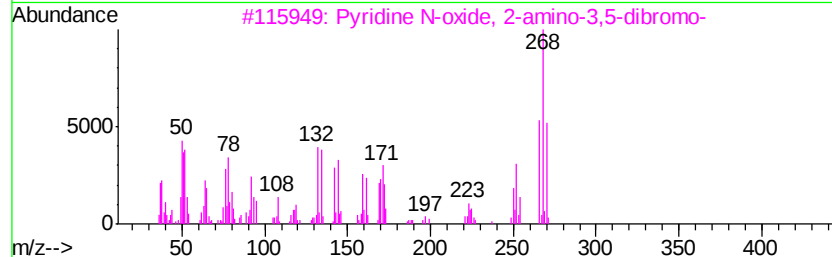
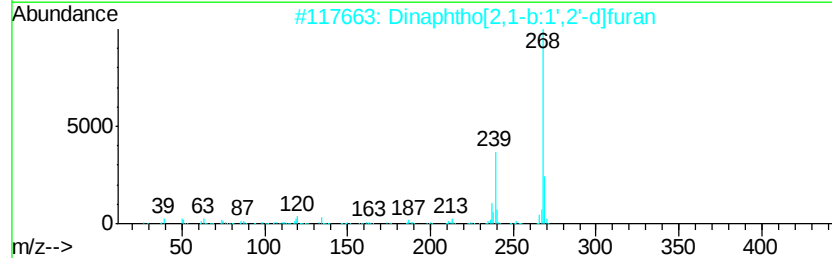
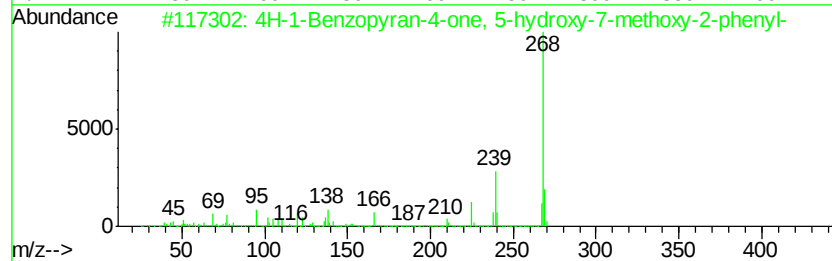
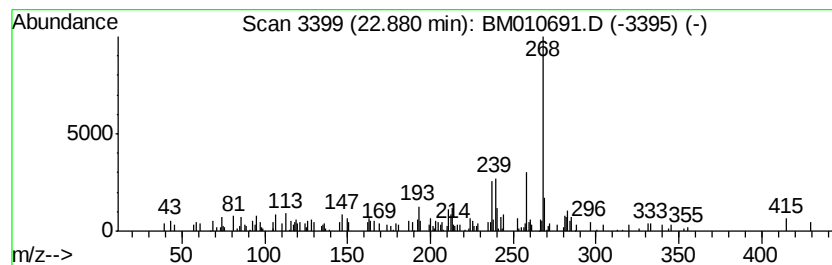
Instrument :
BNA_M
ClientSampleId :
F5A87DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 4H-1-Benzopyran-4-one, 5-hy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
22.88	2.03 ng/ul	116742	Perylene-d12	23.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53	
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53	
3	Pyridine N-oxide, 2-amino-3,5-di...	266	C5H4Br2N2O	084539-29-7	46	
4	1H-Pyrrole-2,5-dione, 1,1'-(1,3-...	268	C14H8N2O4	003006-93-7	43	
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	43	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010691.D
Acq On : 23 Jun 2017 14:40
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A87DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
4H-Cyclopenta[def...	17.93	2.2	ng/ul	175361	4	16.87	1593590	20.0
Cyclopenta(def)ph...	18.81	2.3	ng/ul	184145	4	16.87	1593590	20.0
Pyrene, 1-methyl-	19.64	2.6	ng/ul	448368	5	21.09	3412180	20.0
Pyrene, 2-methyl-	19.96	2.5	ng/ul	422642	5	21.09	3412180	20.0
Benzo[b]naphtho[2...	20.73	2.4	ng/ul	404801	5	21.09	3412180	20.0
4H-1-Benzopyran-4...	22.88	2.0	ng/ul	116742	6	23.22	1150580	20.0