

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
 Data File : BM024179.D
 Acq On : 19 Dec 2019 18:11
 Operator : JU
 Sample : K6171-09DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BT1DL

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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	6.134	546	552	559	rVB	54606	84370	0.77%	0.080%
2	6.428	596	602	609	rBV5	42357	68812	0.63%	0.065%
3	6.639	629	638	653	rBV	262812	546331	4.99%	0.515%
4	6.792	659	664	675	rBV	247535	444636	4.07%	0.419%
5	6.981	690	696	706	rBV	328890	567421	5.19%	0.535%
6	7.439	767	774	785	rBV	910374	1503884	13.75%	1.419%
7	8.163	891	897	913	rBV	324005	654473	5.98%	0.617%
8	8.281	913	917	926	rVB3	27440	54639	0.50%	0.052%
9	8.592	964	970	981	rBV	280821	539897	4.94%	0.509%
10	9.310	1087	1092	1106	rBV	224926	418508	3.83%	0.395%
11	9.851	1178	1184	1195	rBV	317862	661330	6.05%	0.624%
12	10.204	1237	1244	1251	rBV	1341058	2251998	20.59%	2.125%
13	10.369	1266	1272	1289	rBV	196014	516116	4.72%	0.487%
14	11.586	1473	1479	1484	rBV2	67957	111040	1.02%	0.105%
15	12.116	1560	1569	1577	rBV5	23871	51973	0.48%	0.049%
16	13.274	1758	1766	1772	rBV7	23223	59089	0.54%	0.056%
17	13.421	1785	1791	1797	rBV3	51096	95903	0.88%	0.090%
18	13.527	1803	1809	1814	rVV	824447	1171097	10.71%	1.105%
19	13.574	1814	1817	1826	rVV	174224	252053	2.30%	0.238%
20	13.657	1826	1831	1841	rVB5	22812	54028	0.49%	0.051%
21	13.786	1846	1853	1872	rBV	901668	1455324	13.31%	1.373%
22	14.104	1898	1907	1913	rVV	2088765	3185688	29.13%	3.006%
23	14.163	1913	1917	1929	rVB	374920	584391	5.34%	0.551%
24	14.374	1948	1953	1957	rBV4	44530	90871	0.83%	0.086%
25	14.415	1958	1960	1967	rVB3	35639	50099	0.46%	0.047%
26	14.510	1971	1976	1982	rBV	215904	324233	2.96%	0.306%
27	15.104	2071	2077	2082	rVV	1314214	1842979	16.85%	1.739%
28	15.162	2082	2087	2099	rVV2	561903	884664	8.09%	0.835%
29	15.262	2099	2104	2111	rVV2	179312	375534	3.43%	0.354%
30	15.327	2111	2115	2120	rVV3	67316	129258	1.18%	0.122%
31	15.457	2133	2137	2145	rVV	118314	184456	1.69%	0.174%
32	15.609	2156	2163	2171	rVV	133321	270993	2.48%	0.256%
33	15.698	2171	2178	2183	rVB5	27601	52783	0.48%	0.050%
34	16.168	2247	2258	2263	rBV3	90927	200536	1.83%	0.189%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Sampling : 1
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35	16.221	2263	2267	2272	rVB3	37775	56762	0.52%	0.054%
36	16.315	2277	2283	2289	rVB5	41410	73597	0.67%	0.069%
37	16.404	2294	2298	2301	rBV2	44735	54906	0.50%	0.052%
38	16.439	2301	2304	2308	rVB2	39461	46725	0.43%	0.044%
39	16.521	2314	2318	2323	rVB3	52368	81833	0.75%	0.077%
40	16.598	2326	2331	2337	rBV4	64007	127447	1.17%	0.120%
41	16.674	2337	2344	2356	rVB	256657	440864	4.03%	0.416%
42	16.856	2369	2375	2378	rBV	2615982	3567785	32.62%	3.366%
43	16.898	2378	2382	2388	rVV	5397209	7731559	70.69%	7.294%
44	16.956	2388	2392	2395	rVV	1408009	2051155	18.75%	1.935%
45	16.992	2395	2398	2406	rVV	1470614	2049367	18.74%	1.933%
46	17.062	2406	2410	2416	rVV3	47867	114454	1.05%	0.108%
47	17.139	2419	2423	2426	rVV2	35778	54852	0.50%	0.052%
48	17.274	2439	2446	2451	rBV	200432	332079	3.04%	0.313%
49	17.386	2460	2465	2471	rBV2	113775	161428	1.48%	0.152%
50	17.580	2495	2498	2503	rVB2	31073	49116	0.45%	0.046%
51	17.733	2518	2524	2528	rVV	353752	498166	4.55%	0.470%
52	17.786	2528	2533	2540	rVV	571661	835918	7.64%	0.789%
53	17.868	2542	2547	2551	rVV	175381	260863	2.38%	0.246%
54	17.927	2551	2557	2562	rVV2	885773	1422067	13.00%	1.342%
55	17.968	2562	2564	2569	rVB	198047	221966	2.03%	0.209%
56	18.086	2581	2584	2590	rVB6	30649	55659	0.51%	0.053%
57	18.245	2606	2611	2616	rBV	346450	465907	4.26%	0.440%
58	18.292	2616	2619	2623	rVB	67519	87174	0.80%	0.082%
59	18.492	2650	2653	2658	rVV4	57148	79141	0.72%	0.075%
60	18.545	2658	2662	2666	rVV	63646	86482	0.79%	0.082%
61	18.586	2666	2669	2673	rVB2	60215	69695	0.64%	0.066%
62	18.668	2678	2683	2686	rBV3	112497	200344	1.83%	0.189%
63	18.703	2686	2689	2692	rBV4	99279	134711	1.23%	0.127%
64	18.809	2703	2707	2716	rBV3	96820	193707	1.77%	0.183%
65	18.933	2721	2728	2736	rVV	8312503	10937811	100.00%	10.319%
66	19.003	2737	2740	2743	rVV2	62741	87983	0.80%	0.083%
67	19.033	2743	2745	2750	rVV3	82159	105977	0.97%	0.100%
68	19.080	2750	2753	2757	rVV5	41340	54052	0.49%	0.051%
69	19.174	2764	2769	2779	rVB2	214329	343602	3.14%	0.324%
70	19.268	2779	2785	2786	rBV	2733652	3288943	30.07%	3.103%
71	19.297	2786	2790	2799	rVV	6450840	9146803	83.63%	8.629%

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72	19.374	2799	2803	2810	rVB	186548	295199	2.70%	0.279%
73	19.486	2817	2822	2827	rBV	296625	425349	3.89%	0.401%
74	19.545	2830	2832	2838	rVB2	80688	111357	1.02%	0.105%
75	19.627	2840	2846	2853	rBV4	233510	622810	5.69%	0.588%
76	19.686	2853	2856	2860	rVV	86138	107086	0.98%	0.101%
77	19.762	2865	2869	2871	rBV3	180310	267050	2.44%	0.252%
78	19.803	2872	2876	2881	rVB	741725	1005787	9.20%	0.949%
79	19.850	2882	2884	2887	rBV3	43376	47040	0.43%	0.044%
80	19.903	2888	2893	2897	rBV	745995	919308	8.40%	0.867%
81	19.956	2897	2902	2907	rBV2	319947	526472	4.81%	0.497%
82	20.044	2914	2917	2921	rVB2	74484	85008	0.78%	0.080%
83	20.097	2923	2926	2930	rVB	149010	172784	1.58%	0.163%
84	20.144	2930	2934	2939	rBV4	194734	291269	2.66%	0.275%
85	20.562	3002	3005	3011	rVB3	106467	150477	1.38%	0.142%
86	20.721	3028	3032	3035	rBV	344567	447949	4.10%	0.423%
87	20.756	3035	3038	3041	rVV	382894	409866	3.75%	0.387%
88	20.809	3041	3047	3053	rVV3	466151	1033432	9.45%	0.975%
89	21.068	3085	3091	3095	rBV2	4345427	8522878	77.92%	8.041%
90	21.109	3095	3098	3109	rVB	2672855	3407803	31.16%	3.215%
91	21.227	3114	3118	3121	rBV	607115	717452	6.56%	0.677%
92	21.391	3141	3146	3150	rBV2	239722	426010	3.89%	0.402%
93	22.115	3266	3269	3274	rVB2	321800	424552	3.88%	0.401%
94	22.580	3342	3348	3360	rBV	2185521	6415459	58.65%	6.053%
95	22.738	3372	3375	3380	rVB	354640	494698	4.52%	0.467%
96	23.021	3419	3423	3427	rBV	1087982	1708325	15.62%	1.612%
97	23.068	3427	3431	3435	rVV	1101718	1836680	16.79%	1.733%
98	23.115	3435	3439	3446	rVB	2142677	3724294	34.05%	3.514%
99	23.203	3448	3454	3459	rBV	2290559	3955257	36.16%	3.732%
100	25.309	3806	3812	3821	rVB	842572	2132761	19.50%	2.012%

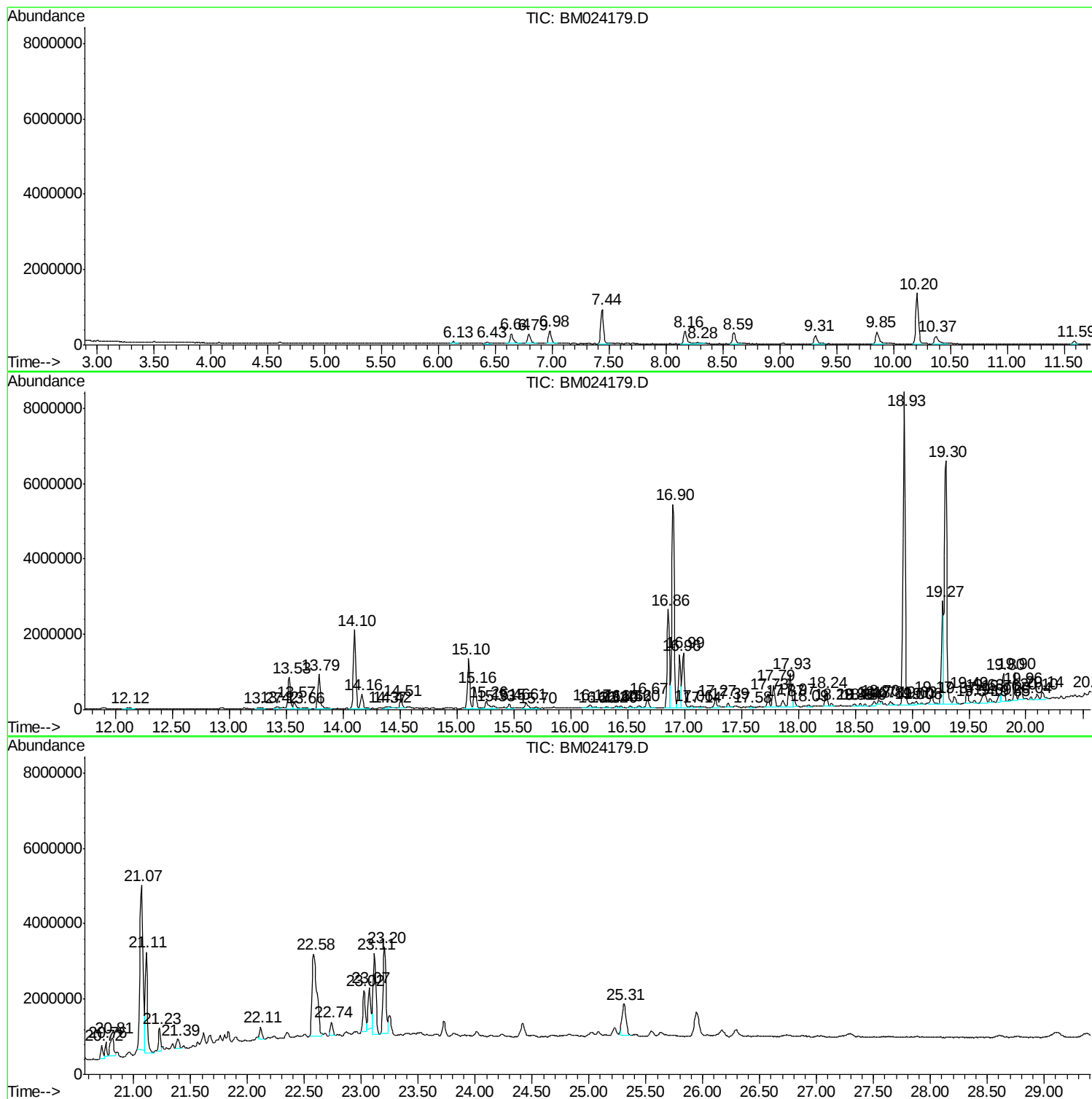
Sum of corrected areas: 105994719

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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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



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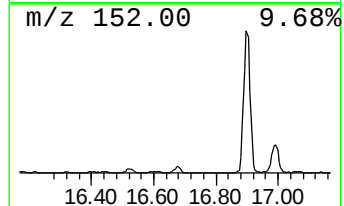
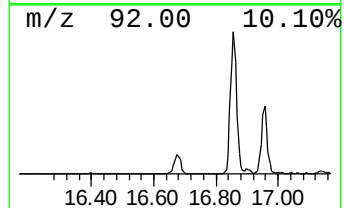
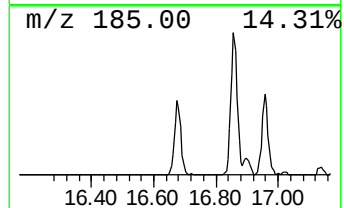
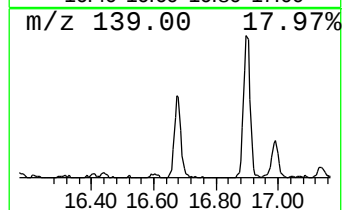
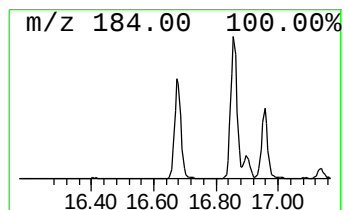
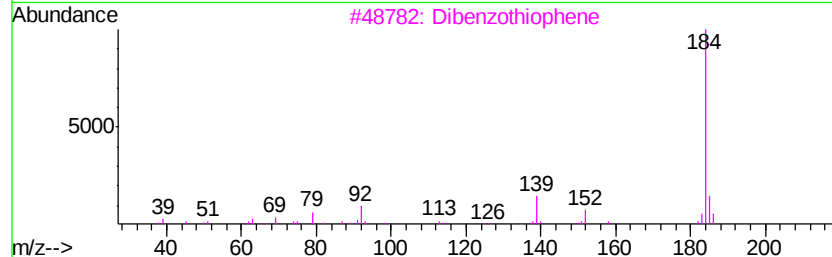
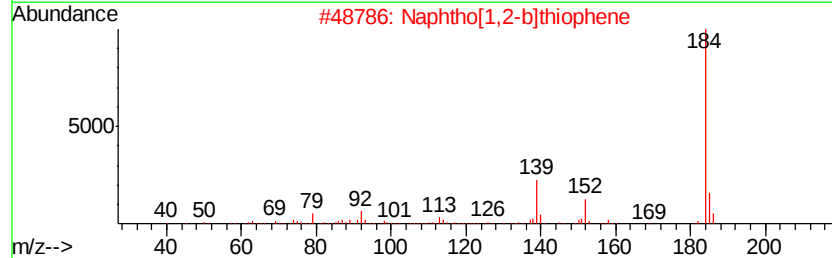
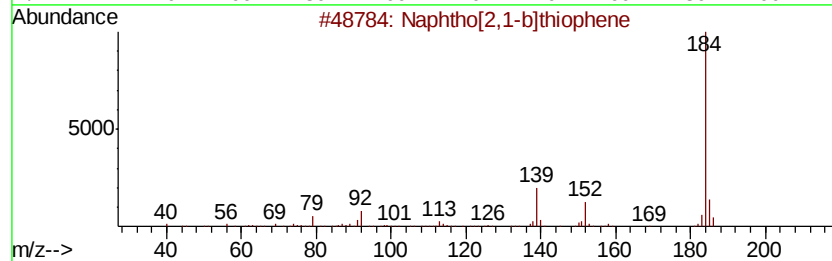
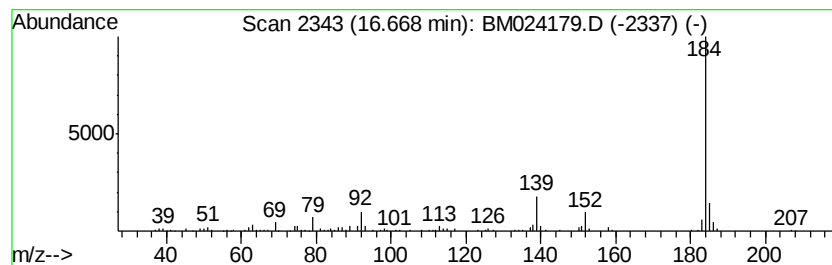
Instrument :
BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.67	2.47 ng/ul	440864	Phenanthrene-d10	16.86		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Dibenzothiophene	184	C12H8S	000132-65-0	95



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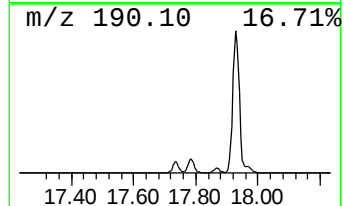
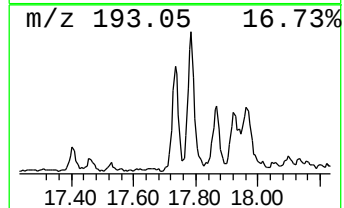
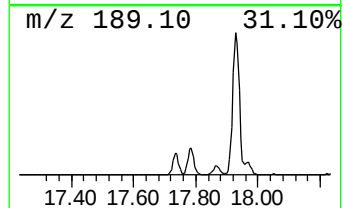
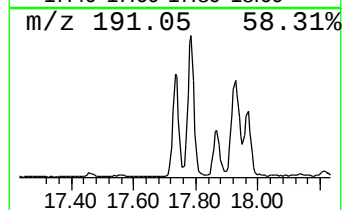
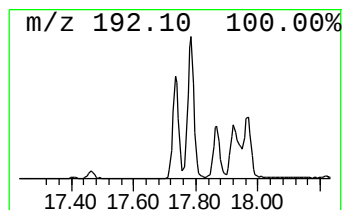
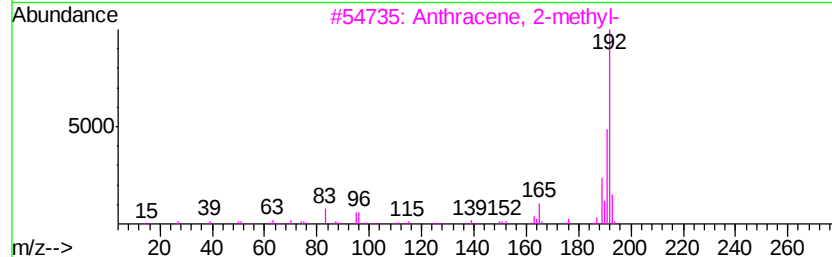
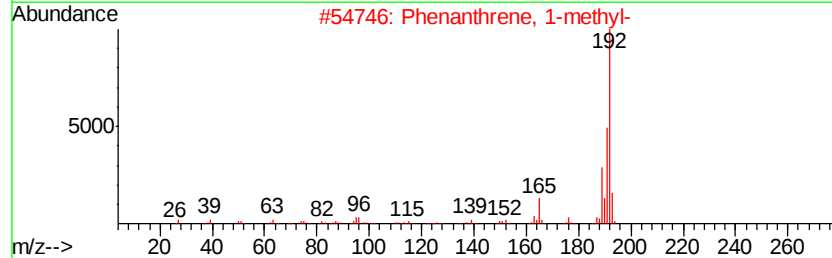
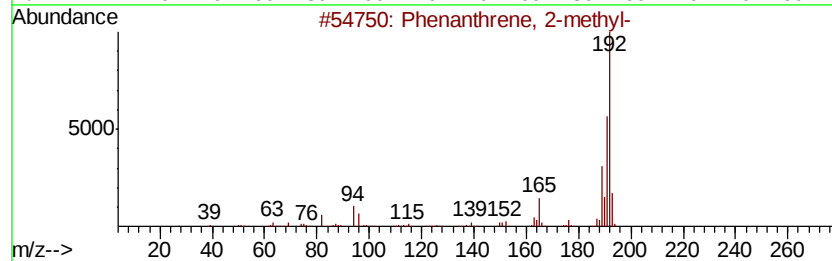
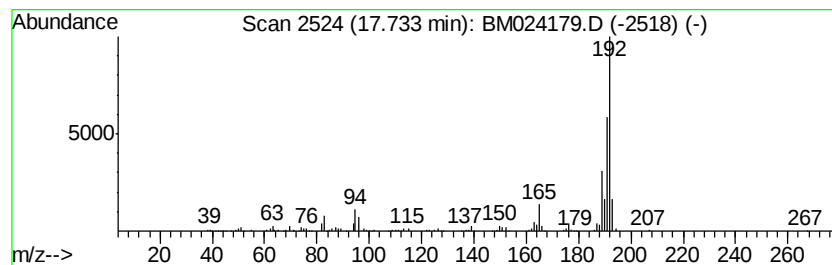
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.79 ng/ul	498166	Phenanthrene-d10	16.86

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		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96



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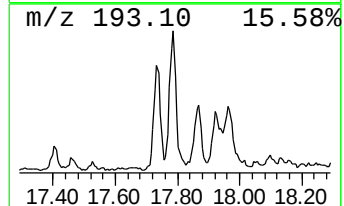
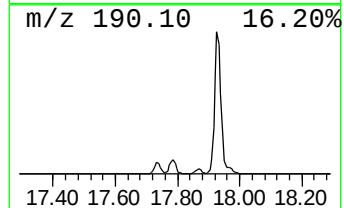
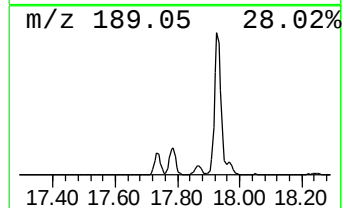
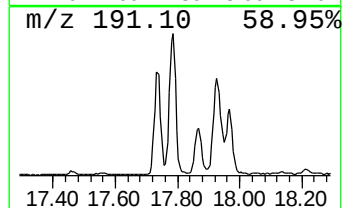
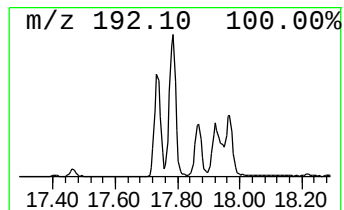
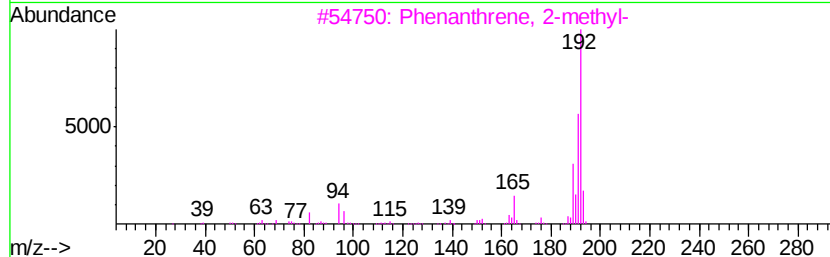
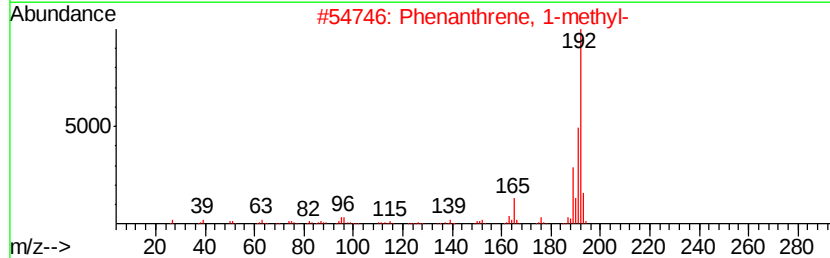
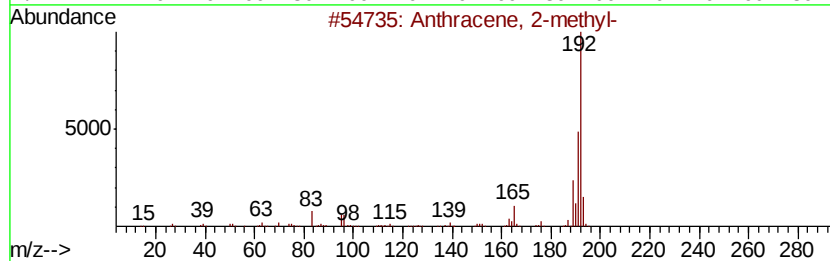
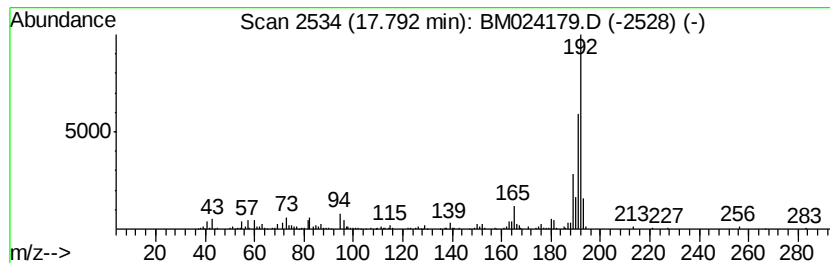
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	4.69 ng/ul	835918	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



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Data File : BM024179.D
Acq On : 19 Dec 2019 18:11
Operator : JU
Sample : K6171-09DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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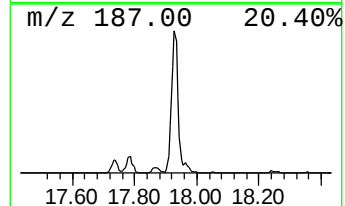
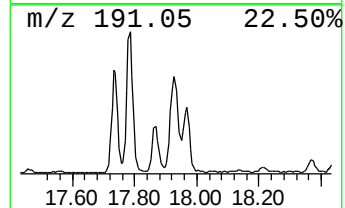
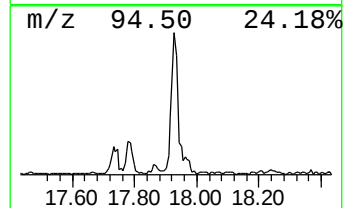
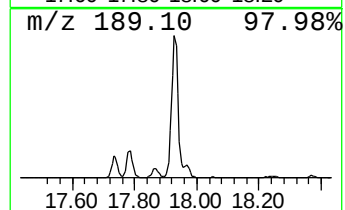
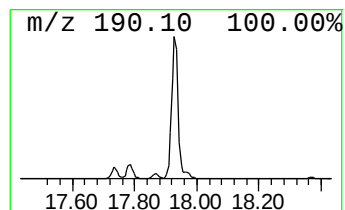
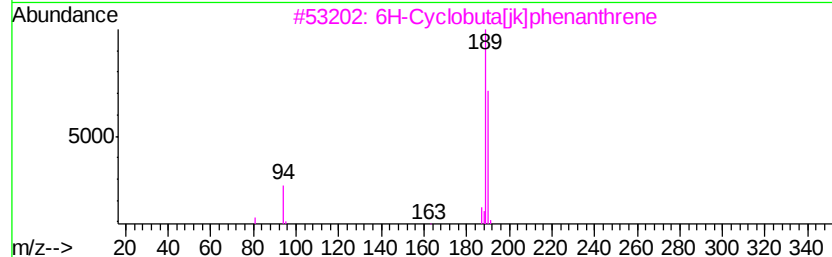
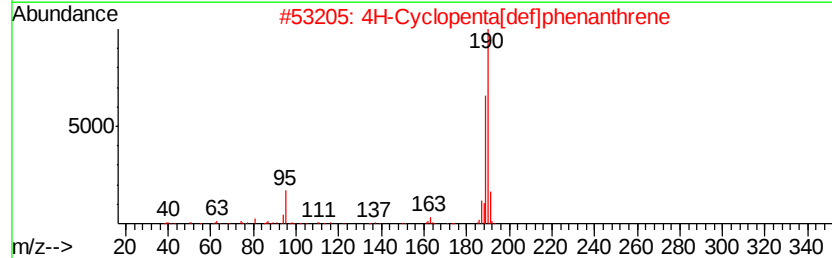
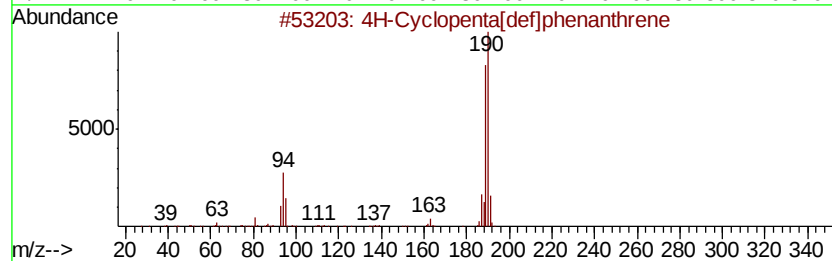
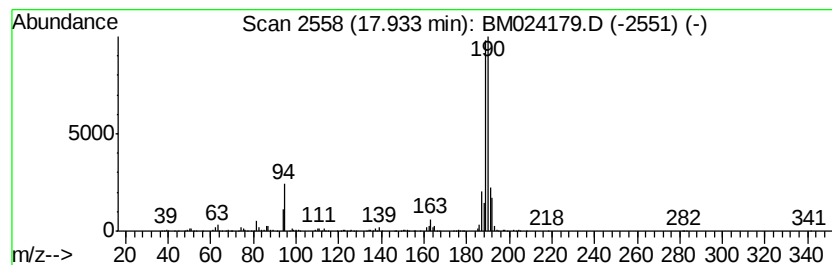
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	7.97 ng/ul	1422070	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	72
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5		Methyl diselenide	190	C2H6Se2	007101-31-7	49



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Data File : BM024179.D
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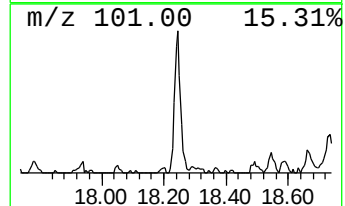
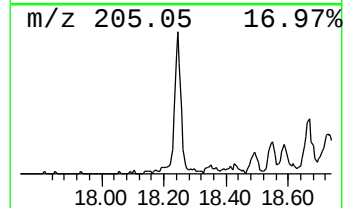
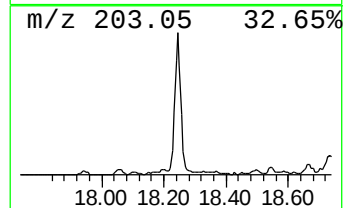
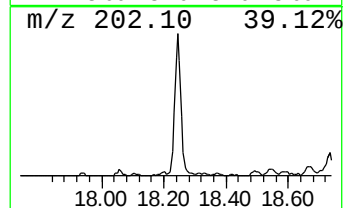
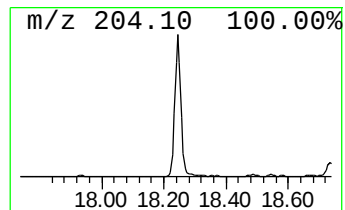
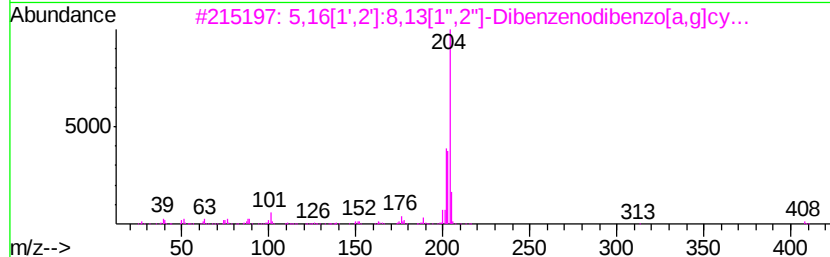
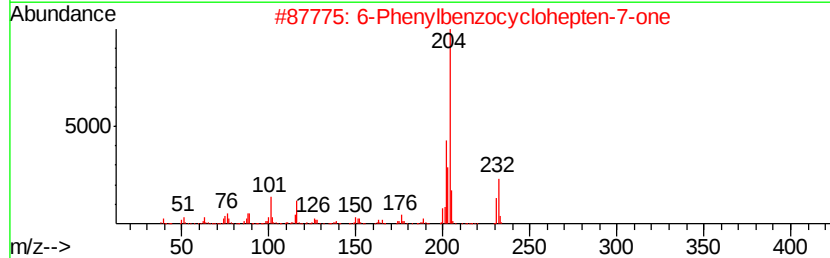
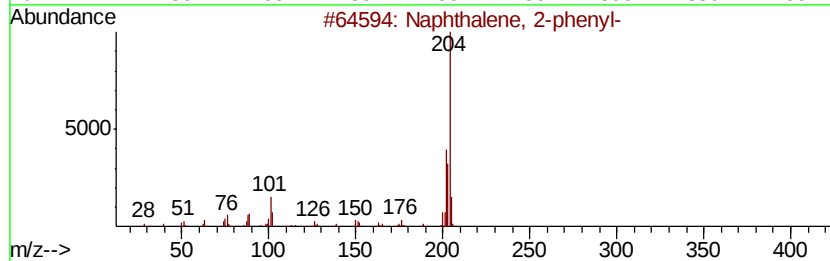
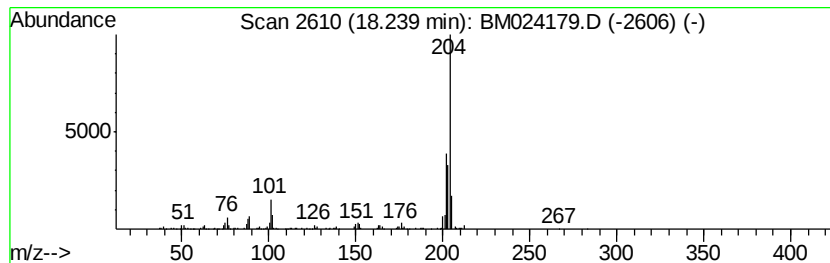
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.61 ng/ul	465907	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
Data File : BM024179.D
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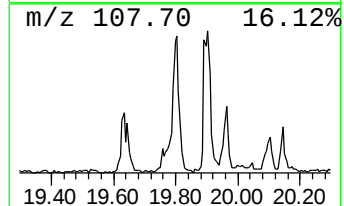
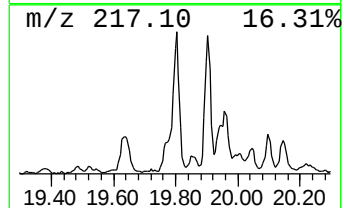
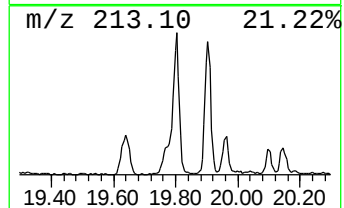
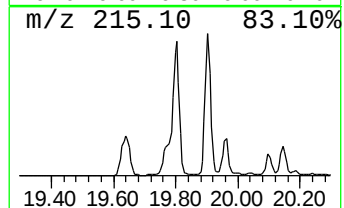
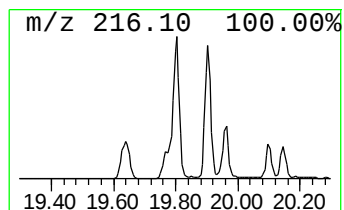
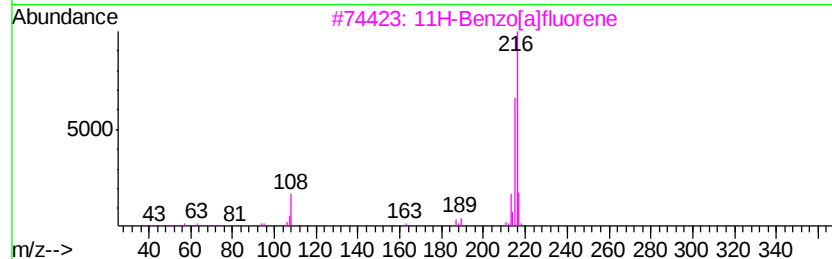
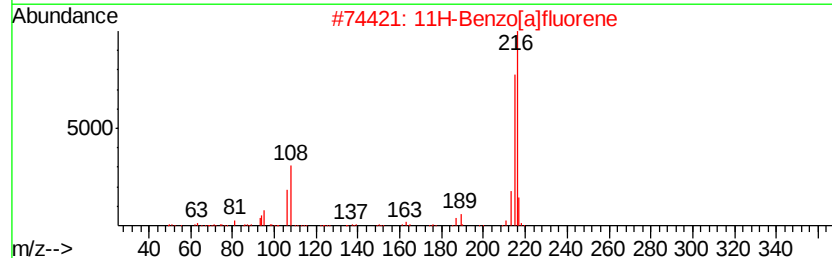
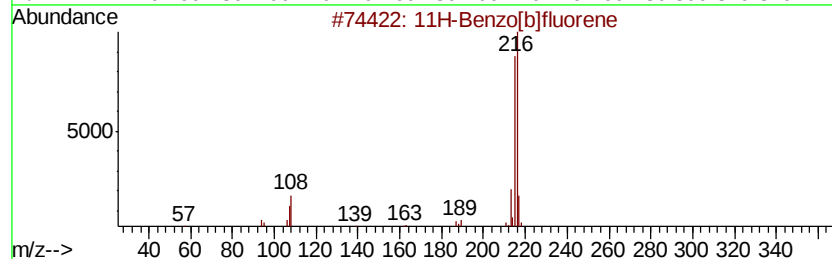
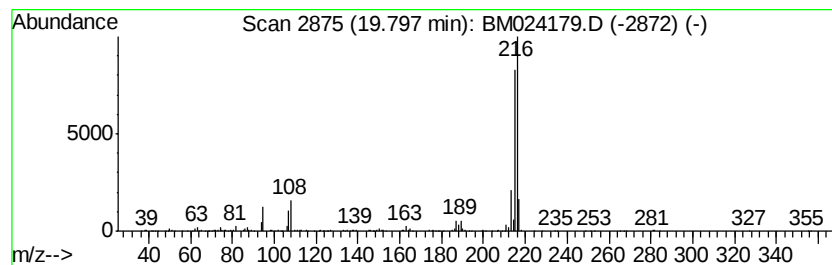
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.36 ng/ul	1005790	Chrysene-d12	21.07

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		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
Data File : BM024179.D
Acq On : 19 Dec 2019 18:11
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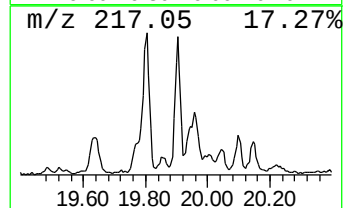
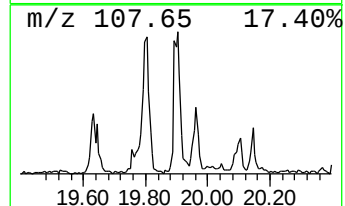
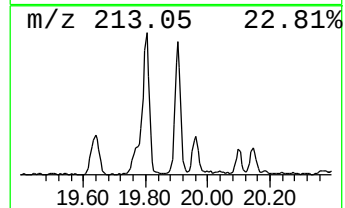
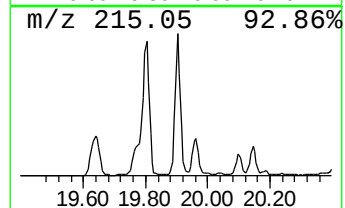
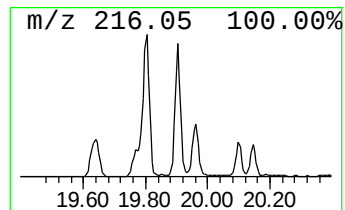
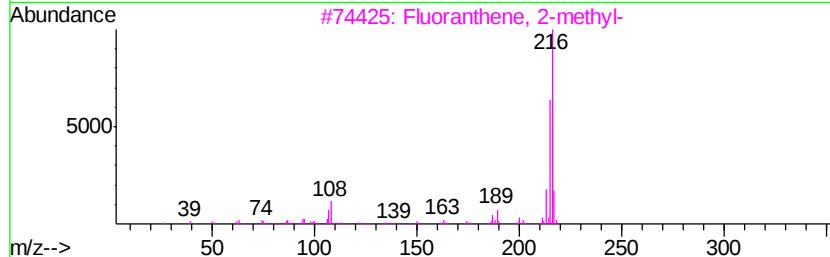
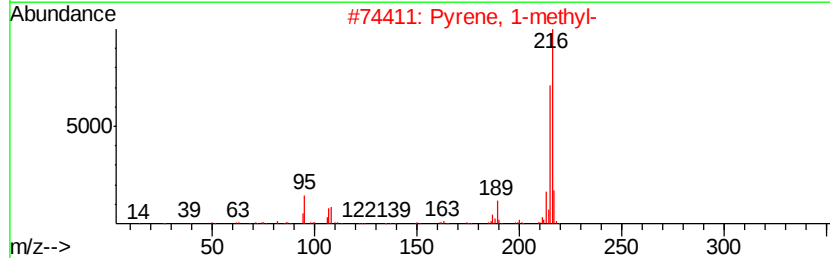
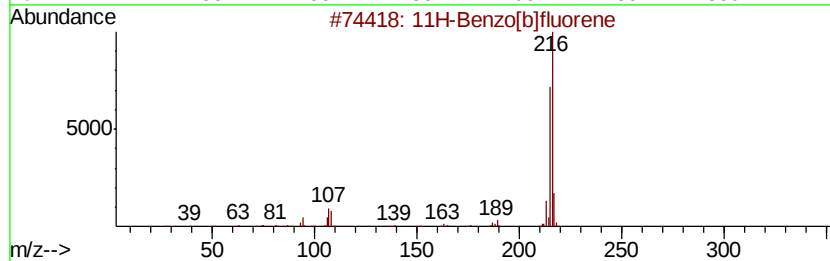
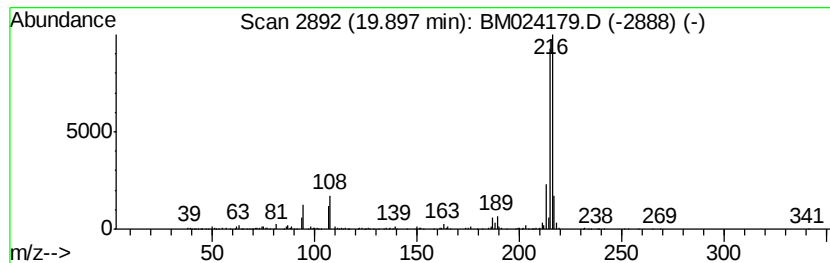
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.16 ng/ul	919308	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
Data File : BM024179.D
Acq On : 19 Dec 2019 18:11
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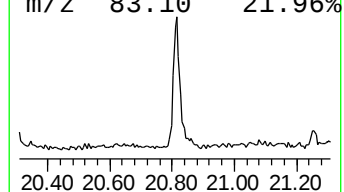
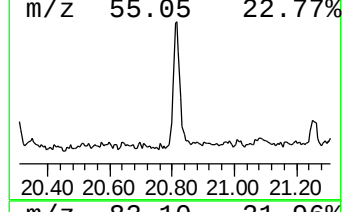
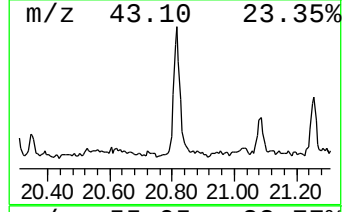
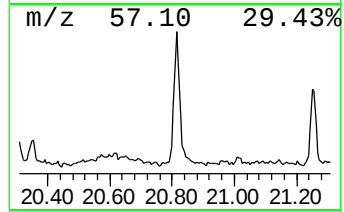
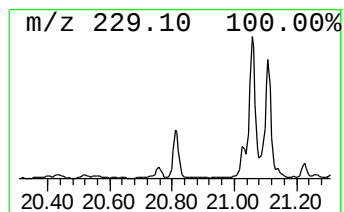
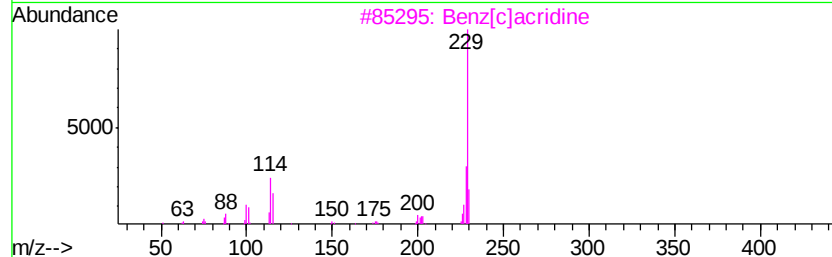
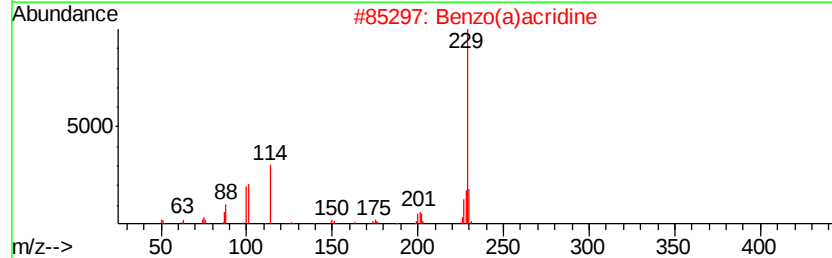
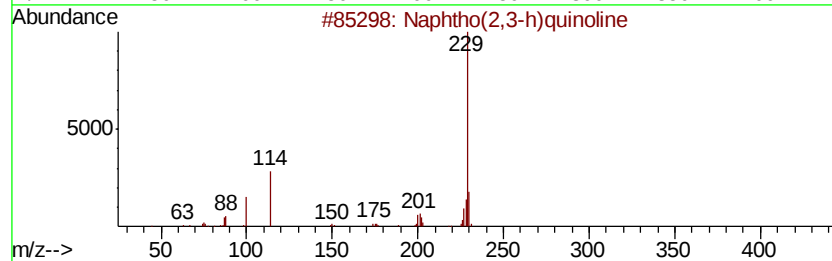
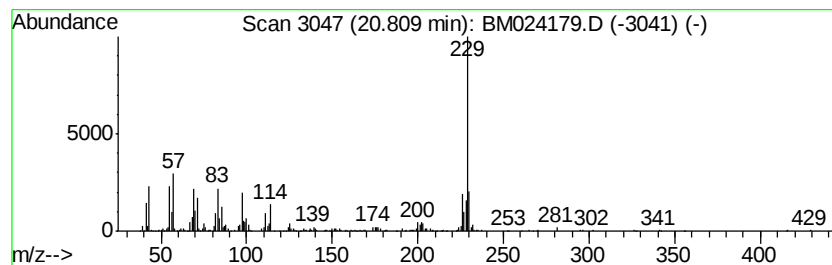
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphtho(2,3-h)quinoline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	2.43 ng/ul	1033430	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	83
2		Benzo(a)acridine	229	C17H11N	000225-11-6	78
3		Benz[c]acridine	229	C17H11N	000225-51-4	60
4		Tetradecane, 1,1'-thiobis-	426	C28H58S	035599-83-8	59
5		Benzo(a)acridine	229	C17H11N	000225-11-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
Data File : BM024179.D
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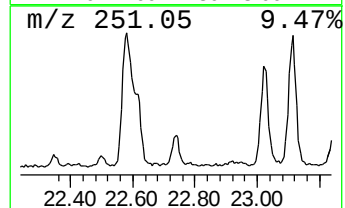
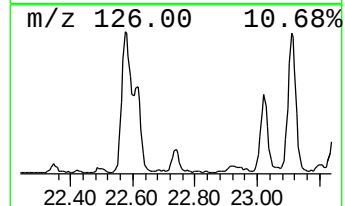
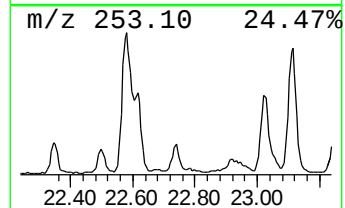
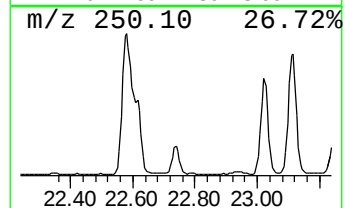
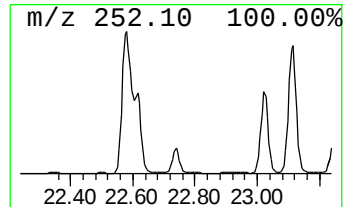
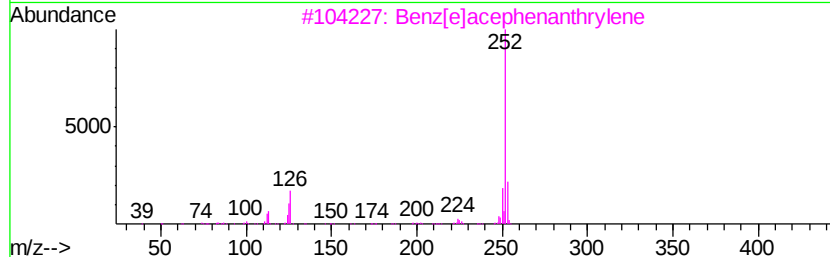
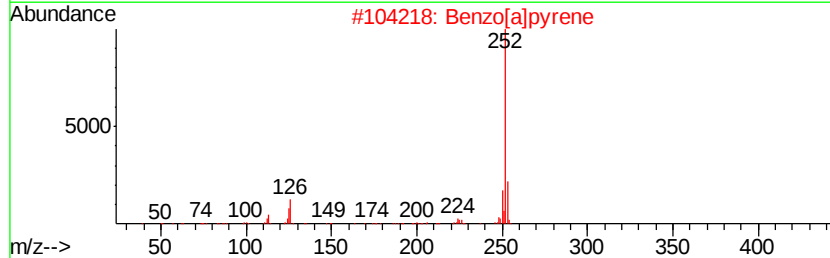
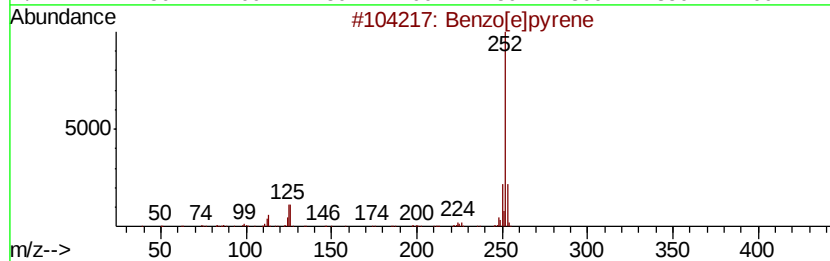
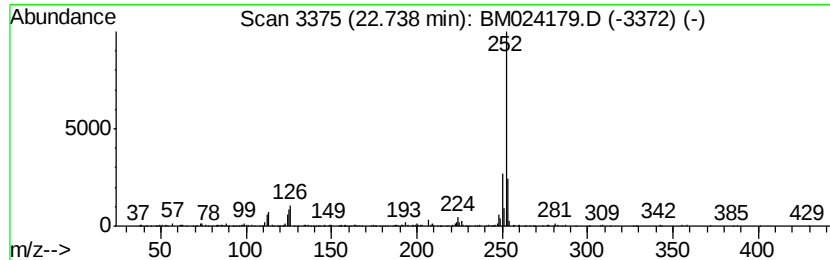
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.74	2.50 ng/ul	494698	Perylene-d12	23.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	95
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121919\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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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
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Phenanthrene, 2-m...	17.73	2.8	ng/ul	498166	4	16.86	3567790	20.0
Anthracene, 2-met...	17.79	4.7	ng/ul	835918	4	16.86	3567790	20.0
4H-Cyclopenta[def...	17.93	8.0	ng/ul	1422070	4	16.86	3567790	20.0
Naphthalene, 2-ph...	18.24	2.6	ng/ul	465907	4	16.86	3567790	20.0
11H-Benzo[b]fluorene	19.80	2.4	ng/ul	1005790	5	21.07	8522880	20.0
Pyrene, 1-methyl-	19.90	2.2	ng/ul	919308	5	21.07	8522880	20.0
Naphtho(2,3-h)qui...	20.81	2.4	ng/ul	1033430	5	21.07	8522880	20.0
Benzo[e]pyrene	22.74	2.5	ng/ul	494698	6	23.20	3955260	20.0