

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
 Data File : BP004304.D
 Acq On : 15 Dec 2020 15:03
 Operator : CG/JU
 Sample : L5001-17
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54D5

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_P\METHODS\SOM-EPA-BP121020MA.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	3.840	107	111	115	rVB	80318	107934	0.75%	0.084%
2	4.058	145	148	155	rVB	90758	127213	0.89%	0.099%
3	4.269	182	184	192	rVB2	50975	75192	0.53%	0.058%
4	5.046	312	316	323	rVB	54411	86550	0.60%	0.067%
5	6.999	642	648	666	rVB2	729854	1389508	9.71%	1.079%
6	7.169	671	677	691	rVB	532149	875023	6.11%	0.680%
7	7.369	705	711	718	rVV	763641	1208450	8.44%	0.938%
8	7.428	718	721	730	rVB4	31754	61890	0.43%	0.048%
9	7.840	784	791	797	rBV	1034941	1654329	11.56%	1.285%
10	7.899	798	801	807	rVB3	21630	35754	0.25%	0.028%
11	8.540	903	910	920	rBV	915767	1471460	10.28%	1.143%
12	8.993	980	987	995	rVB	687154	1117986	7.81%	0.868%
13	9.157	1009	1015	1022	rVB5	23584	43880	0.31%	0.034%
14	9.428	1056	1061	1066	rVB	37749	59852	0.42%	0.046%
15	9.716	1103	1110	1118	rBV	503880	874118	6.11%	0.679%
16	10.251	1194	1201	1210	rBV	917046	1585803	11.08%	1.231%
17	10.416	1221	1229	1238	rVB	5633	14891	0.10%	0.012%
18	10.634	1258	1266	1273	rBV	1496156	2482315	17.34%	1.928%
19	10.763	1279	1288	1309	rVB	495461	951410	6.65%	0.739%
20	11.157	1353	1355	1363	rVB7	9826	18316	0.13%	0.014%
21	12.122	1514	1519	1524	rBV3	18749	33268	0.23%	0.026%
22	12.228	1532	1537	1543	rVB2	17311	29535	0.21%	0.023%
23	12.410	1561	1568	1573	rBV9	7988	16292	0.11%	0.013%
24	12.840	1637	1641	1646	rBV6	10876	16820	0.12%	0.013%
25	13.087	1679	1683	1688	rBV3	10714	16060	0.11%	0.012%
26	13.269	1708	1714	1718	rBV8	14137	25511	0.18%	0.020%
27	13.316	1718	1722	1726	rVV4	24961	38207	0.27%	0.030%
28	13.387	1726	1734	1740	rVV5	17803	43648	0.30%	0.034%
29	13.445	1740	1744	1750	rVV9	13244	20926	0.15%	0.016%
30	13.804	1801	1805	1809	rBV5	10208	14551	0.10%	0.011%
31	13.892	1813	1820	1824	rVV	1502133	2225865	15.55%	1.729%
32	13.934	1824	1827	1833	rVV	351718	483011	3.37%	0.375%
33	14.010	1837	1840	1847	rVB9	11453	22403	0.16%	0.017%
34	14.175	1857	1868	1884	rBV	1977474	3078697	21.51%	2.391%

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 Title : SVOA CALIBRATION

35	14.316	1889	1892	1900	rVB9	18246	33373	0.23%	0.026%
36	14.392	1901	1905	1910	rVB2	20731	29368	0.21%	0.023%
37	14.487	1911	1921	1927	rBV	2241022	3404214	23.78%	2.644%
38	14.551	1927	1932	1939	rVB	81343	129309	0.90%	0.100%
39	14.681	1949	1954	1967	rBV	390737	666427	4.66%	0.518%
40	14.828	1976	1979	1985	rVB2	32162	46648	0.33%	0.036%
41	14.887	1985	1989	1996	rVB	42062	71119	0.50%	0.055%
42	15.287	2054	2057	2059	rBV4	13158	14320	0.10%	0.011%
43	15.351	2064	2068	2073	rBV7	15753	25223	0.18%	0.020%
44	15.481	2084	2090	2096	rBV	2398296	3498981	24.45%	2.717%
45	15.539	2096	2100	2105	rVB	118145	165187	1.15%	0.128%
46	15.610	2108	2112	2118	rBV3	69248	112857	0.79%	0.088%
47	15.722	2125	2131	2134	rBV3	26327	50730	0.35%	0.039%
48	15.981	2172	2175	2183	rVB	24963	49980	0.35%	0.039%
49	16.216	2211	2215	2221	rBV3	50649	80777	0.56%	0.063%
50	16.898	2327	2331	2339	rVB	121927	183758	1.28%	0.143%
51	17.063	2355	2359	2367	rVB	165492	259843	1.82%	0.202%
52	17.157	2371	2375	2380	rVV2	60364	88441	0.62%	0.069%
53	17.245	2384	2390	2394	rVV	2562276	3956814	27.64%	3.073%
54	17.286	2394	2397	2402	rVV	3488825	4904585	34.27%	3.809%
55	17.345	2402	2407	2411	rVV2	2605984	3823754	26.71%	2.969%
56	17.381	2411	2413	2418	rVV	427031	477929	3.34%	0.371%
57	17.439	2418	2423	2430	rVV	366889	544856	3.81%	0.423%
58	17.651	2451	2459	2464	rBV	598060	968418	6.77%	0.752%
59	18.116	2534	2538	2541	rBV	304293	444908	3.11%	0.346%
60	18.163	2543	2546	2551	rVB	488638	649116	4.54%	0.504%
61	18.304	2565	2570	2574	rBV3	728702	1158291	8.09%	0.900%
62	18.339	2574	2576	2582	rVB	253916	295094	2.06%	0.229%
63	18.598	2617	2620	2623	rBV	341679	437290	3.06%	0.340%
64	18.639	2623	2627	2634	rVB	978999	1308013	9.14%	1.016%
65	19.145	2709	2713	2719	rBV	322967	534641	3.74%	0.415%
66	19.263	2728	2733	2739	rVB	10694063	14313426	100.00%	11.115%
67	19.586	2783	2788	2790	rBV2	4502608	6258748	43.73%	4.860%
68	19.616	2790	2793	2800	rVV	8397197	11327847	79.14%	8.797%
69	19.680	2802	2804	2809	rVB2	276861	369348	2.58%	0.287%
70	19.786	2819	2822	2827	rBV	393122	550321	3.84%	0.427%
71	19.851	2830	2833	2837	rVB	498043	632886	4.42%	0.491%

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72	20.098	2871	2875	2880	rVB	1199529	1627182	11.37%	1.264%
73	20.198	2888	2892	2895	rVB	798646	974431	6.81%	0.757%
74	20.992	3024	3027	3030	rVB	921581	1135888	7.94%	0.882%
75	21.027	3031	3033	3035	rBV	539040	515797	3.60%	0.401%
76	21.333	3080	3085	3090	rBV3	5343902	11200590	78.25%	8.698%
77	21.380	3090	3093	3102	rVB	5411723	7520743	52.54%	5.840%
78	22.992	3362	3367	3373	rBV2	5980899	13175029	92.05%	10.231%
79	23.510	3451	3455	3460	rBV	2257660	3790470	26.48%	2.944%
80	23.610	3469	3472	3480	rVB	3563069	6656674	46.51%	5.169%

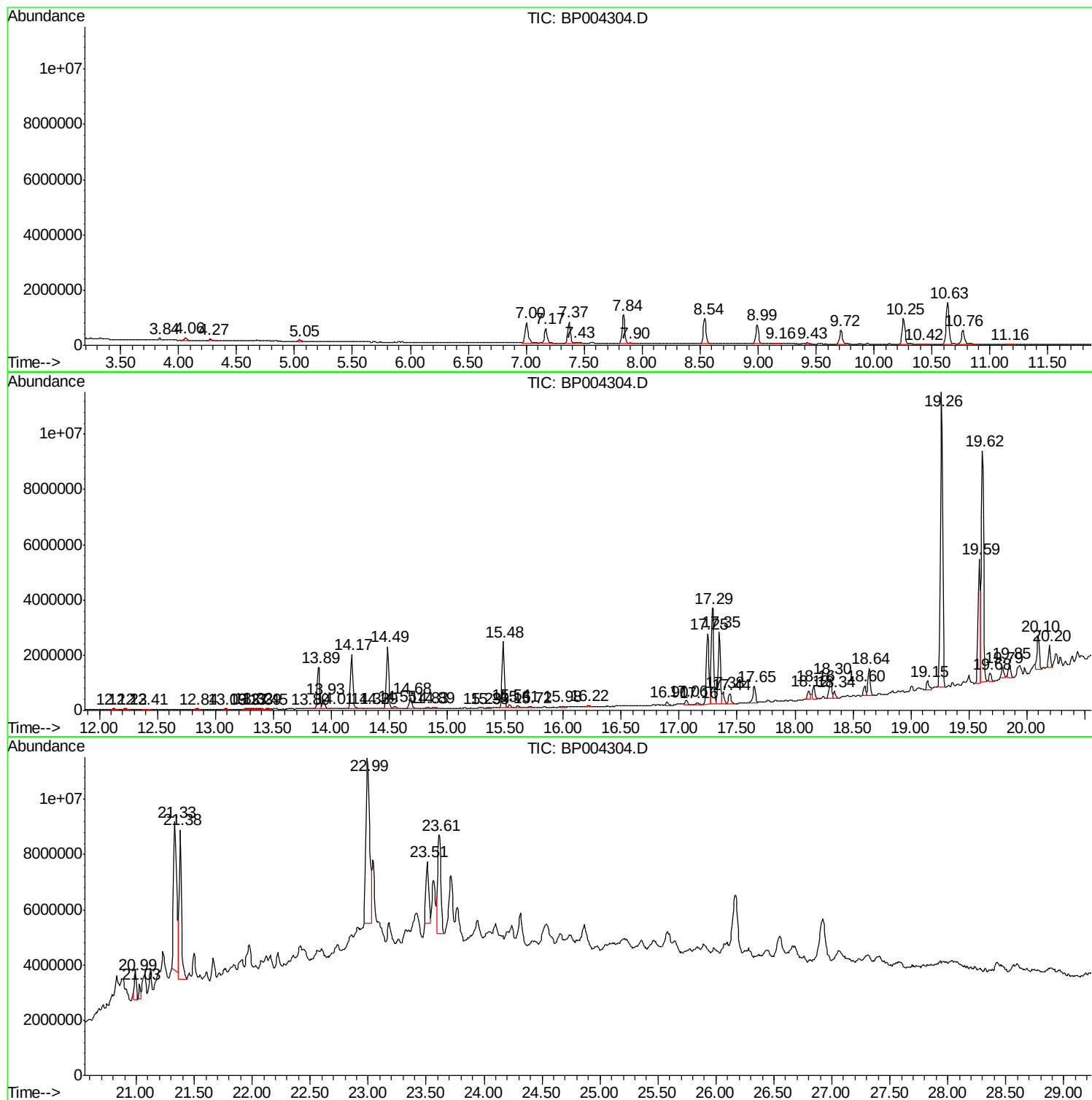
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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



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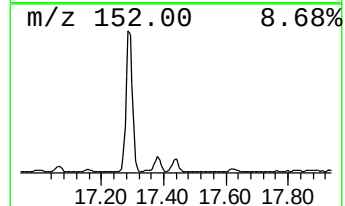
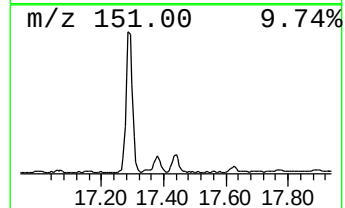
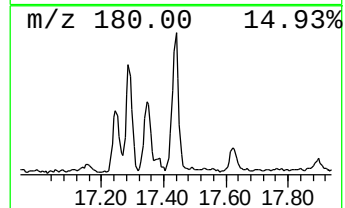
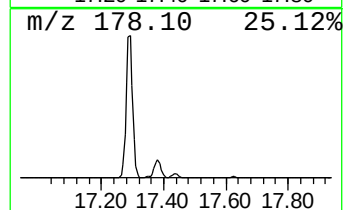
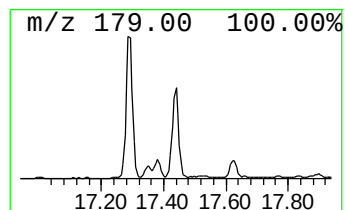
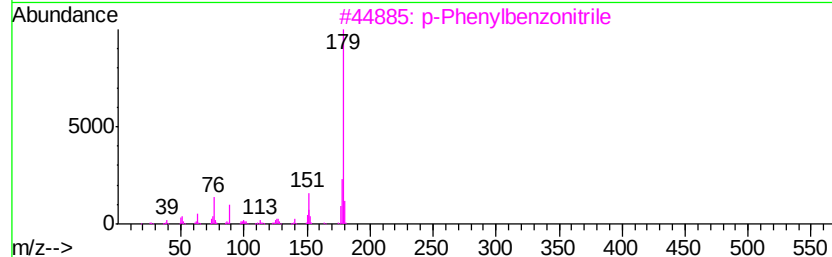
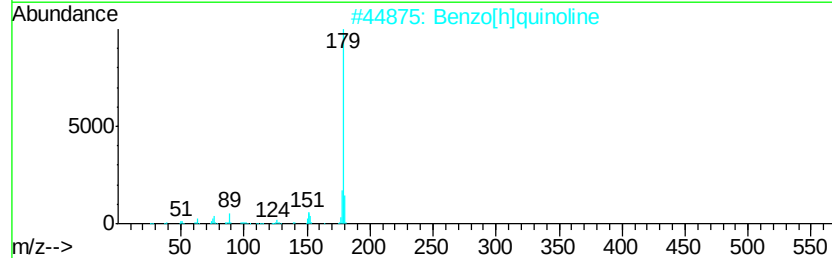
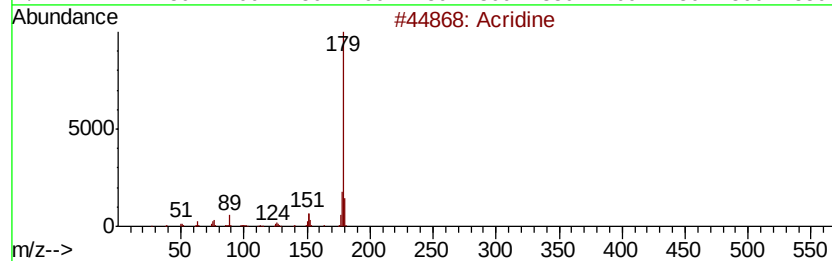
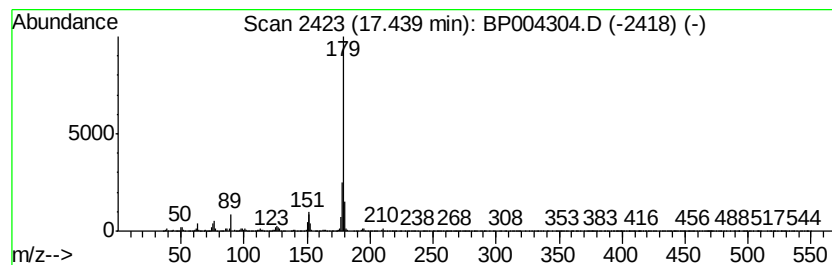
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Acridine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.44	2.75 ng/ul	544856	Phenanthrene-d10		17.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine		179	C13H9N	000260-94-6	97
2	Benzo[h]quinoline		179	C13H9N	000230-27-3	95
3	p-Phenylbenzonitrile		179	C13H9N	002920-38-9	95
4	Acridine		179	C13H9N	000260-94-6	94
5	Benzo[h]quinoline		179	C13H9N	000230-27-3	94



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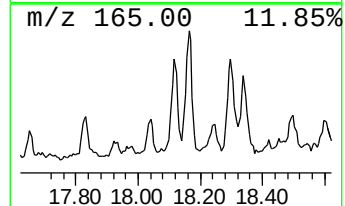
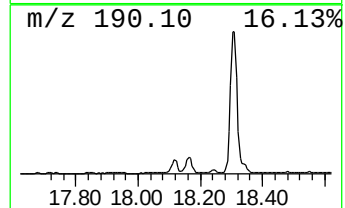
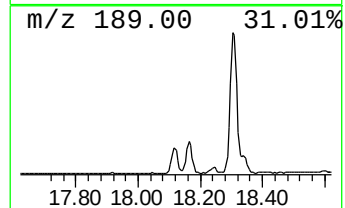
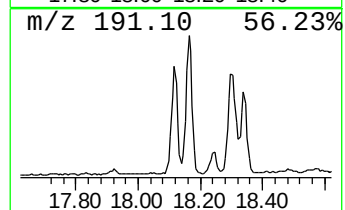
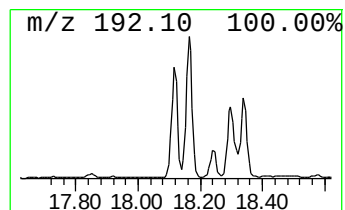
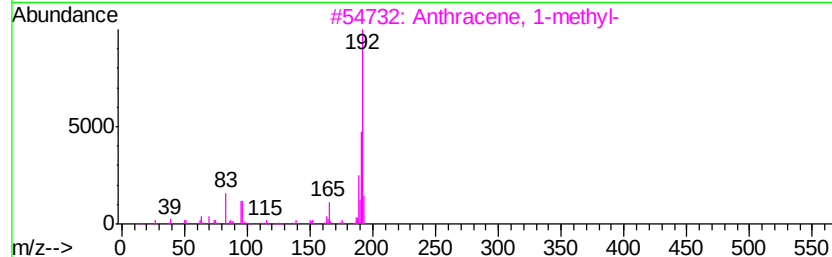
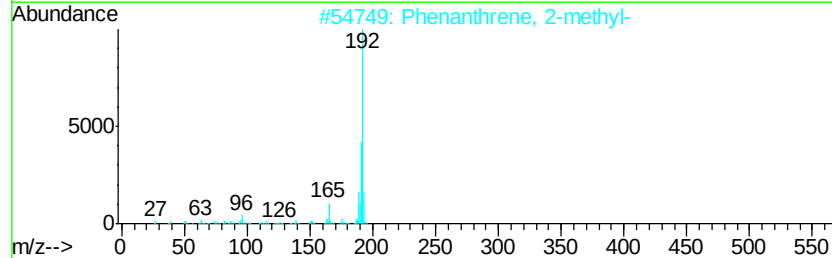
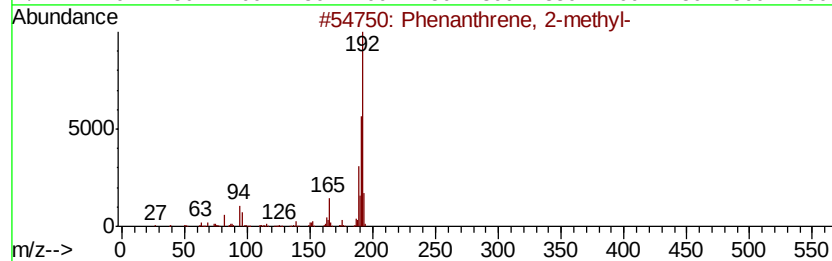
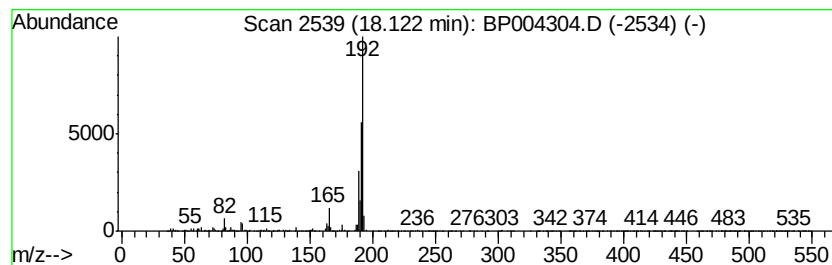
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.25 ng/ul	444908	Phenanthrene-d10	17.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	81



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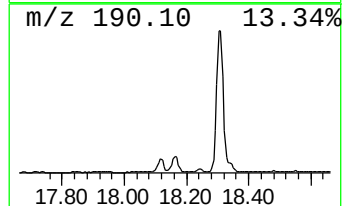
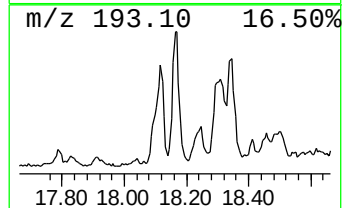
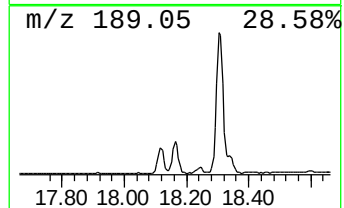
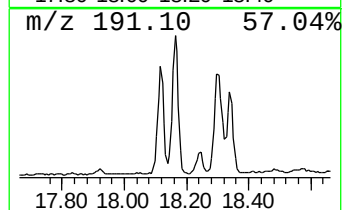
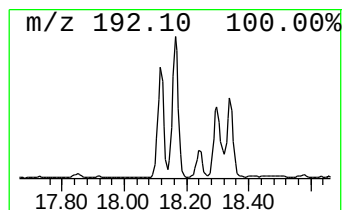
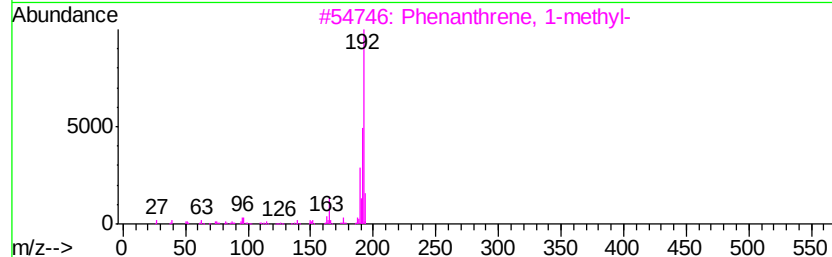
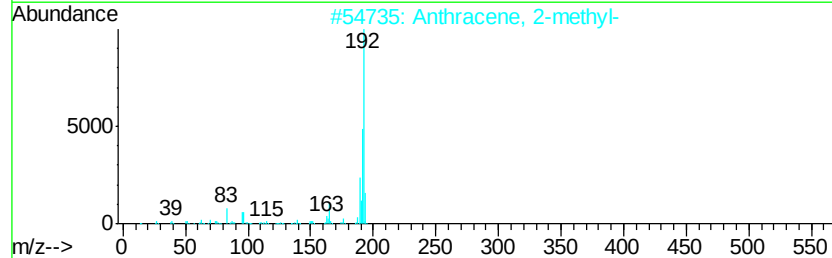
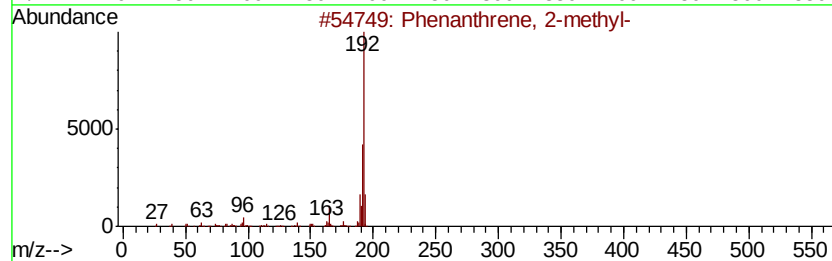
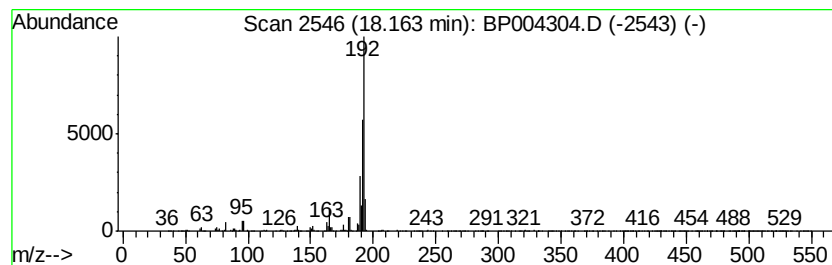
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.28 ng/ul	649116	Phenanthrene-d10	17.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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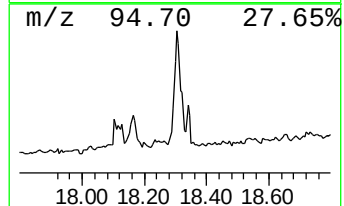
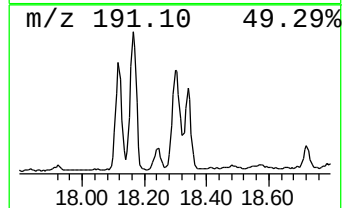
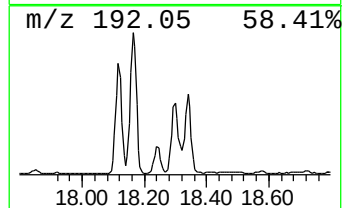
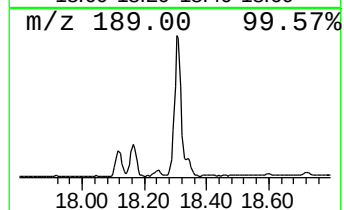
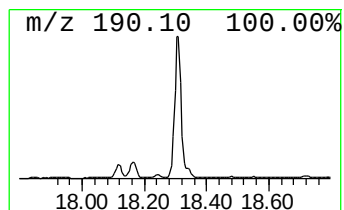
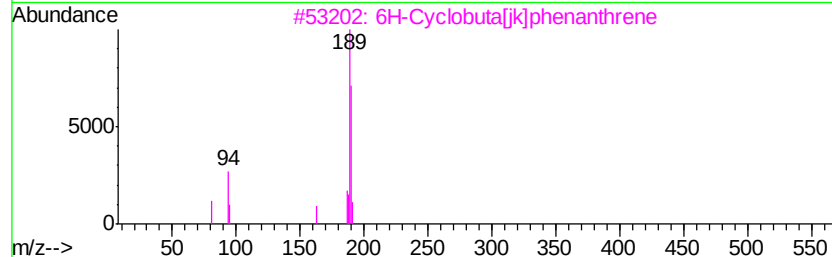
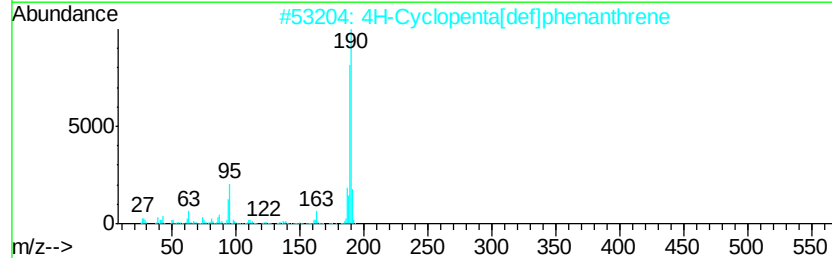
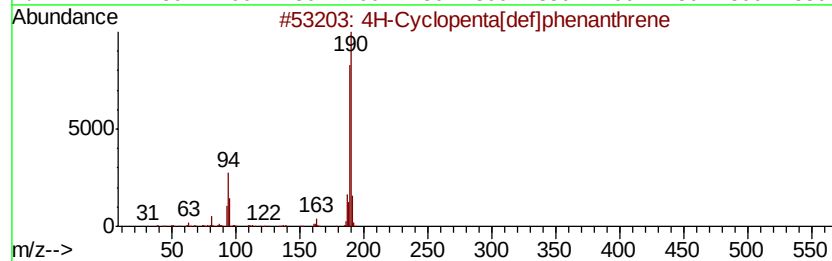
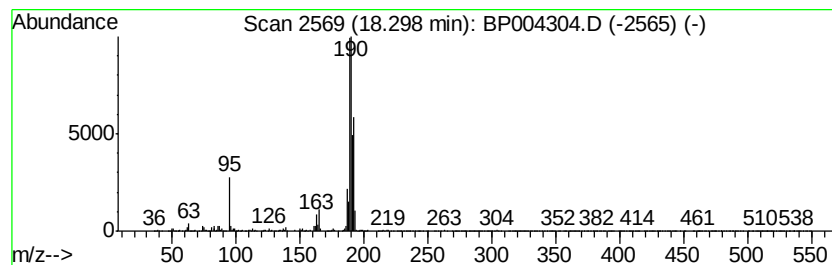
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	5.85 ng/ul	1158290	Phenanthrene-d10	17.25

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	70
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004304.D
Acq On : 15 Dec 2020 15:03
Operator : CG/JU
Sample : L5001-17
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleID :
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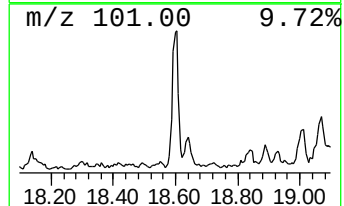
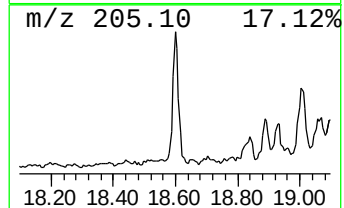
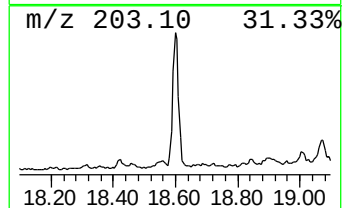
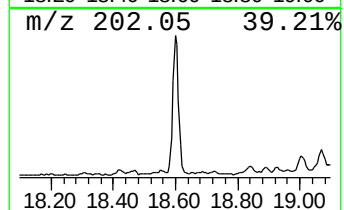
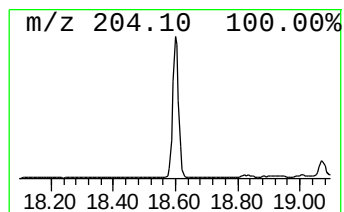
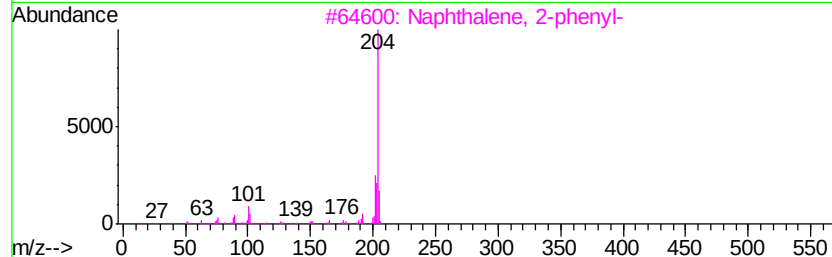
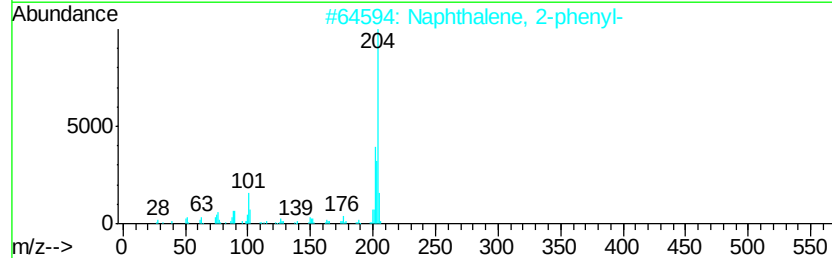
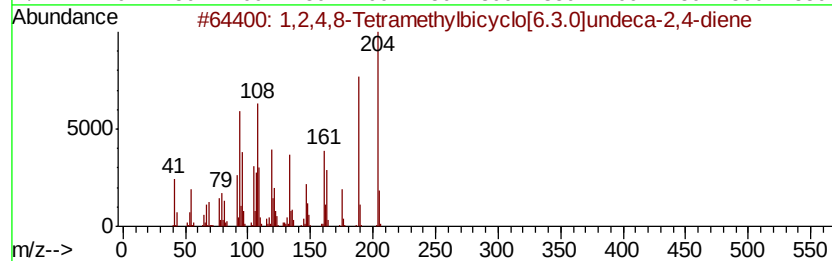
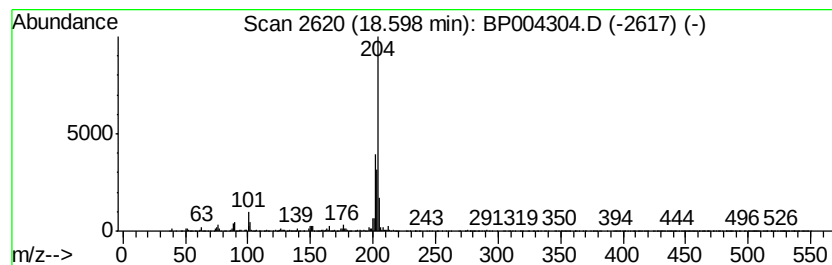
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.21 ng/ul	437290	Phenanthrene-d10	17.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	95
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
4		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
5		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004304.D
Acq On : 15 Dec 2020 15:03
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Sample : L5001-17
Misc :
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ClientSampleId :
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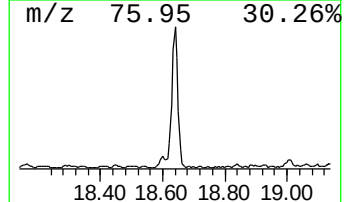
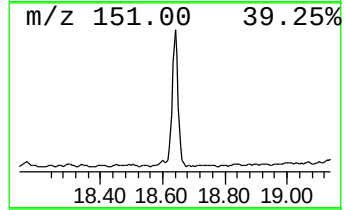
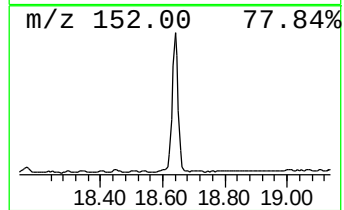
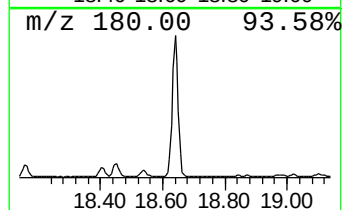
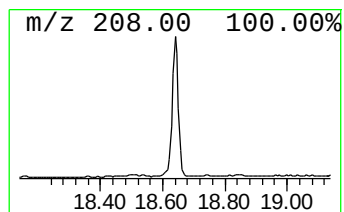
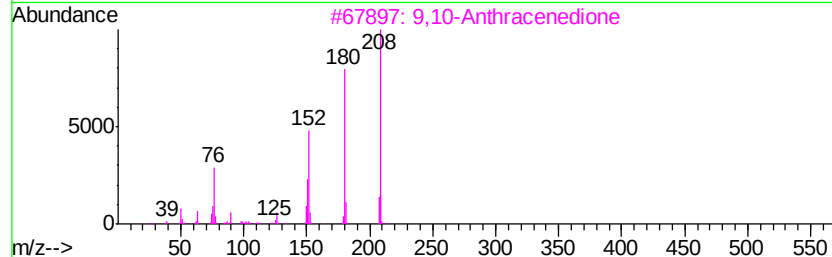
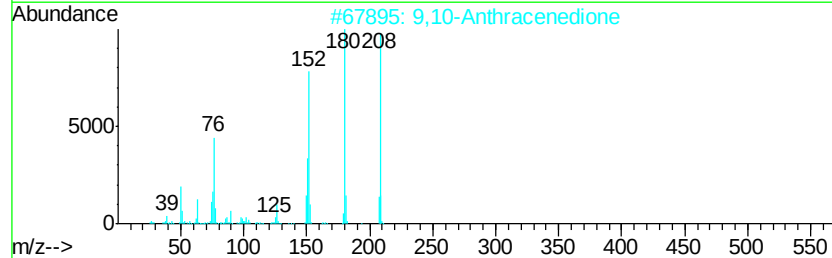
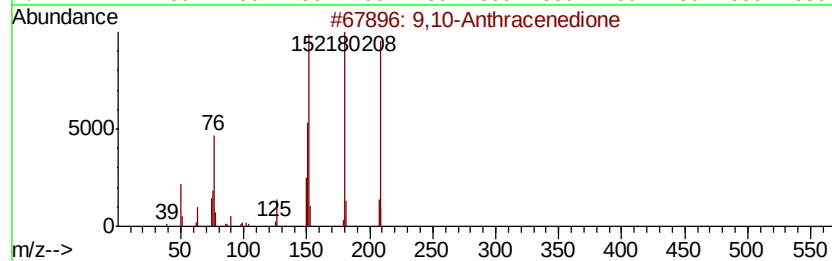
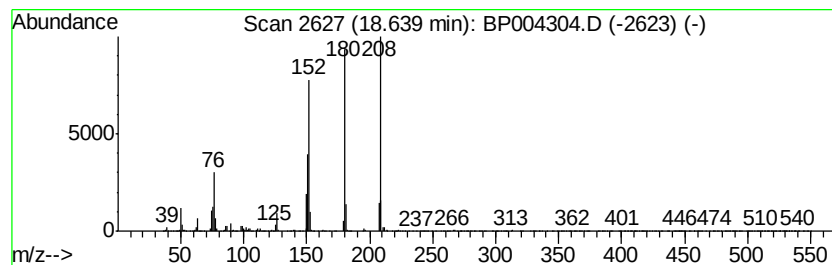
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	6.61 ng/ul	1308010	Phenanthrene-d10	17.25

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	97
3			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4			Benzo[cl]cinoline	180	C12H8N2	000230-17-1	70
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004304.D
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Sample : L5001-17
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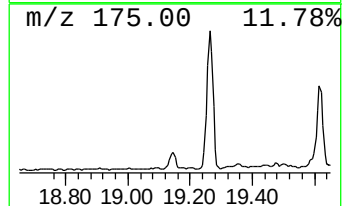
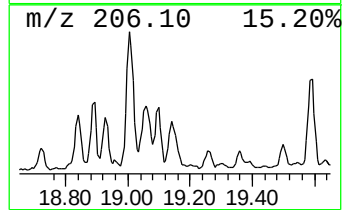
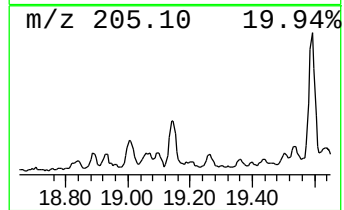
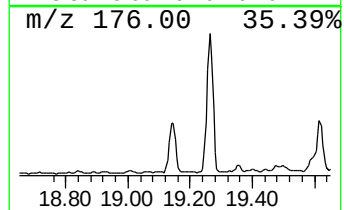
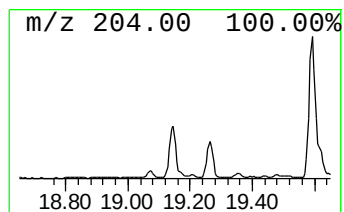
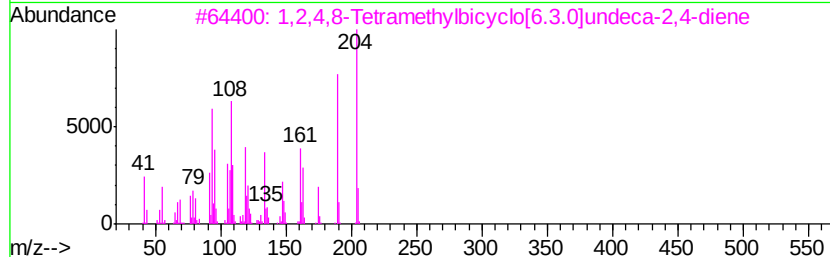
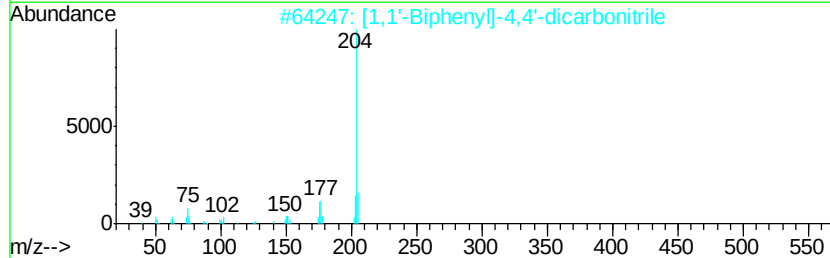
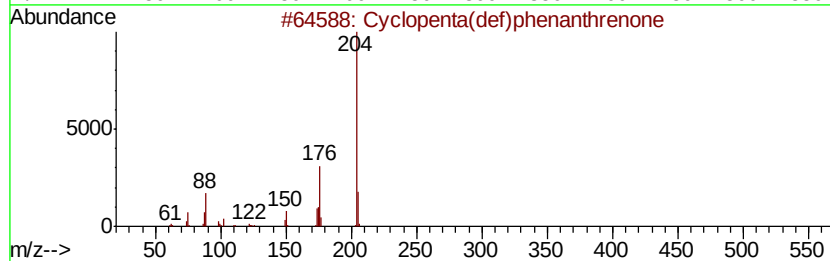
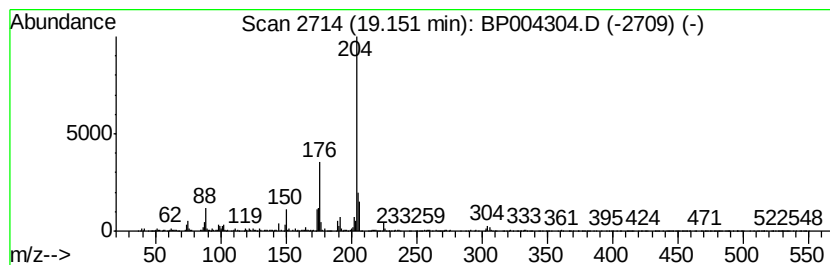
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	2.70 ng/ul	534641	Phenanthrene-d10	17.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	53
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	50
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004304.D
Acq On : 15 Dec 2020 15:03
Operator : CG/JU
Sample : L5001-17
Misc :
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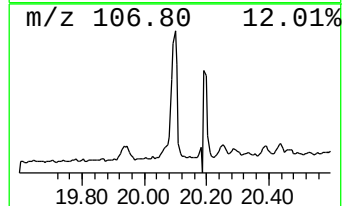
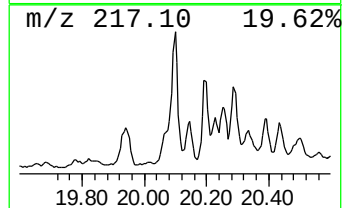
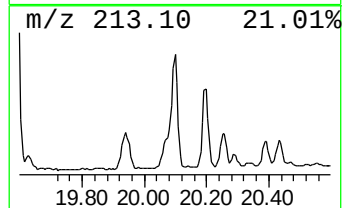
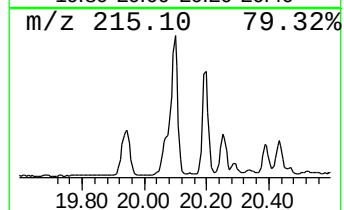
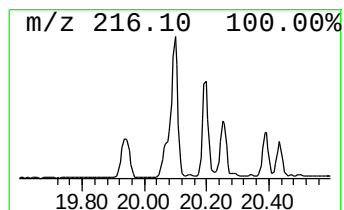
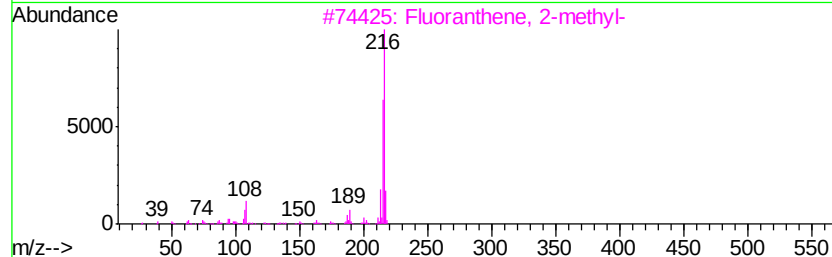
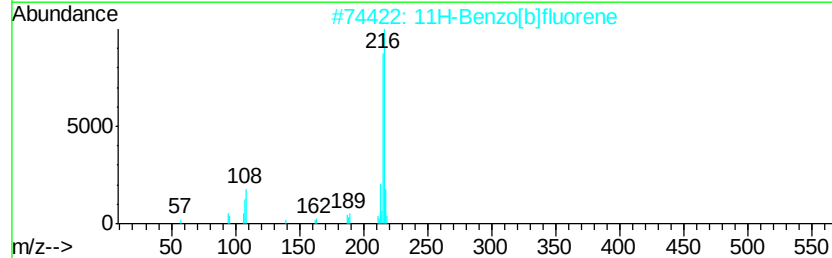
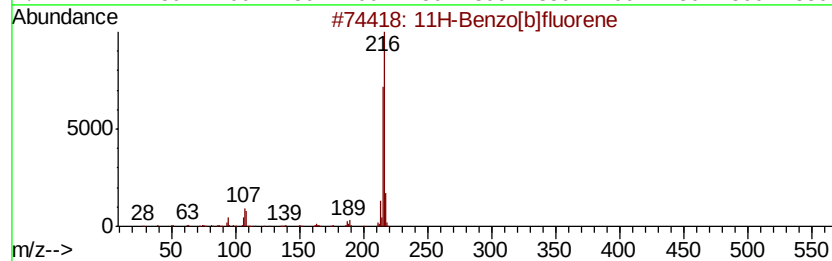
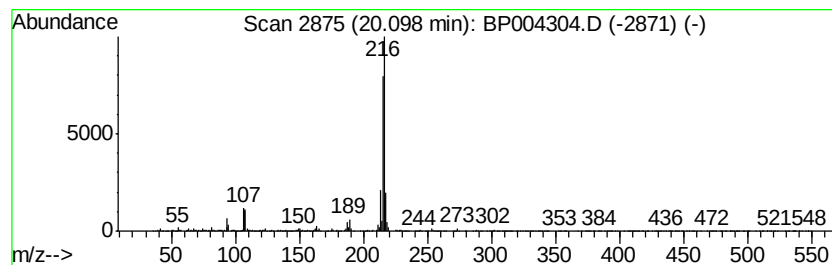
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.91 ng/ul	1627180	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004304.D
Acq On : 15 Dec 2020 15:03
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Sample : L5001-17
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
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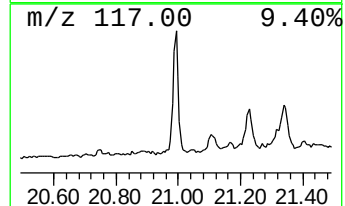
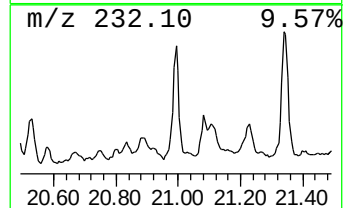
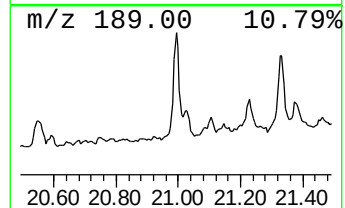
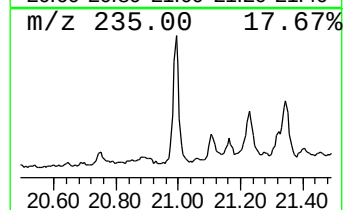
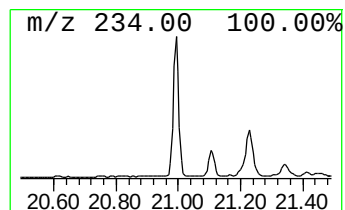
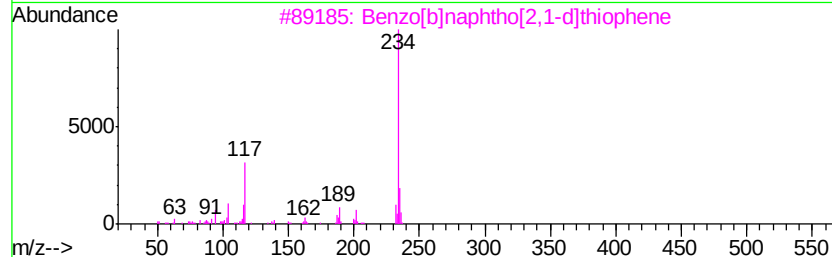
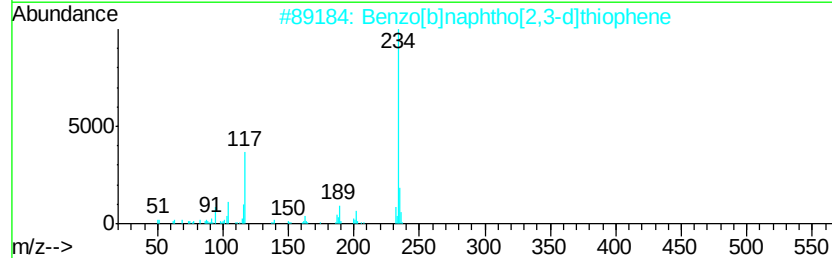
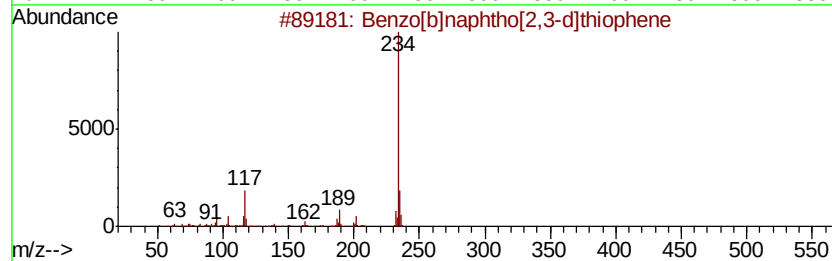
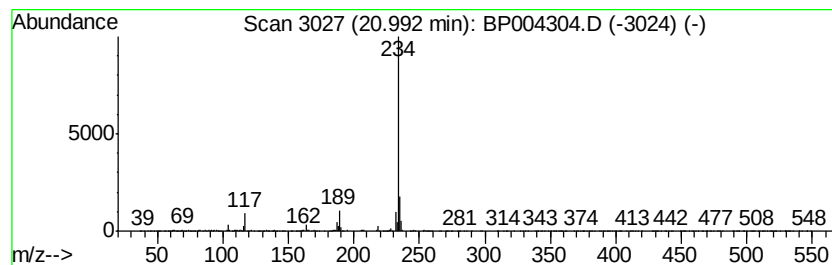
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.03 ng/ul	1135890	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	91
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
5		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004304.D
Acq On : 15 Dec 2020 15:03
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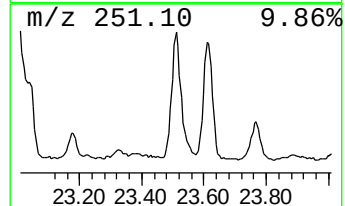
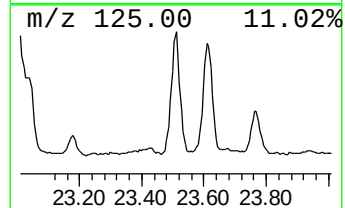
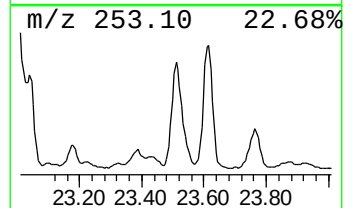
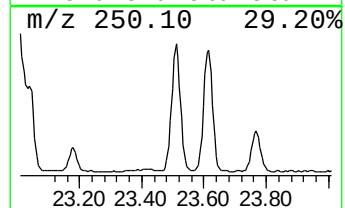
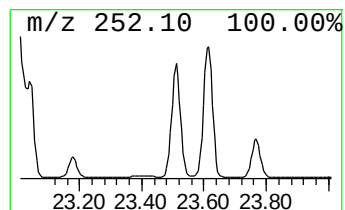
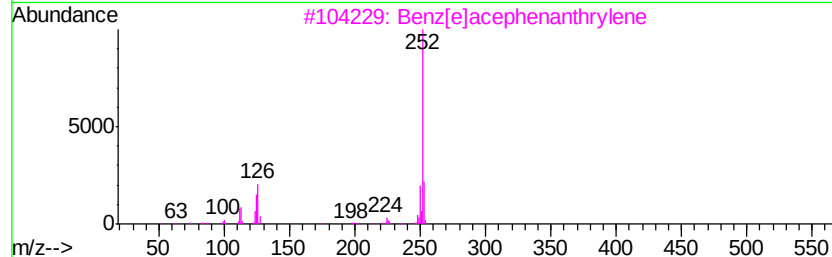
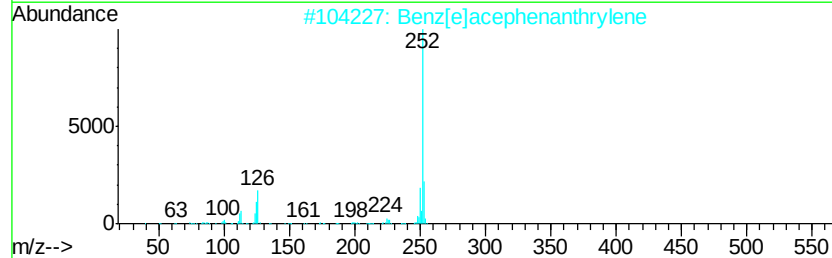
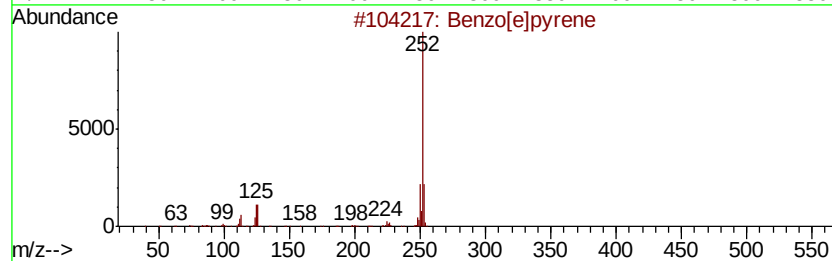
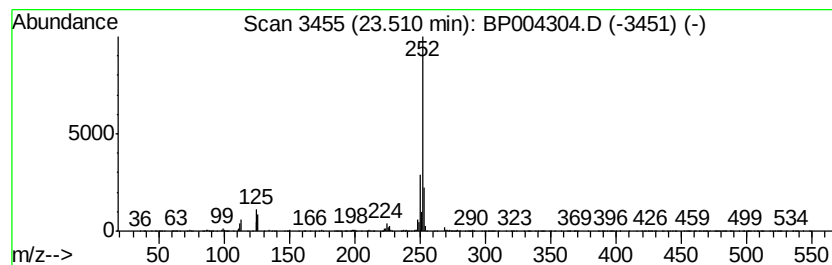
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	11.39 ng/ul	3790470	Perylene-d12	23.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Perylene	252	C20H12	000198-55-0	95
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
 Data File : BP004304.D
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 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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
Acridine	17.44	2.8	ng/ul	544856	4	17.25	3956810	20.0
Anthracene, 1-met...	18.12	2.3	ng/ul	444908	4	17.25	3956810	20.0
Phenanthrene, 2-m...	18.16	3.3	ng/ul	649116	4	17.25	3956810	20.0
4H-Cyclopenta[def...	18.30	5.8	ng/ul	1158290	4	17.25	3956810	20.0
1,2,4,8-Tetrameth...	18.60	2.2	ng/ul	437290	4	17.25	3956810	20.0
9,10-Anthracenedione	18.64	6.6	ng/ul	1308010	4	17.25	3956810	20.0
Cyclopenta(def)ph...	19.15	2.7	ng/ul	534641	4	17.25	3956810	20.0
11H-Benzo[b]fluorene	20.10	2.9	ng/ul	1627180	5	21.34	11200600	20.0
Benzo[b]naphtho[2...	20.99	2.0	ng/ul	1135890	5	21.34	11200600	20.0
Benzo[e]pyrene	23.51	11.4	ng/ul	3790470	6	23.72	6656670	20.0