

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
 Data File : BM006534.D
 Acq On : 19 Jul 2016 22:12
 Operator : UM/SJ
 Sample : H4029-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJA8

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\SOM02.2-EPA-BM071416.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	6.793	706	715	729	rBV	546398	939495	16.06%	1.345%
2	6.957	735	743	756	rBV	422767	696707	11.91%	0.998%
3	7.151	769	776	788	rVB	553106	916575	15.66%	1.313%
4	7.616	844	855	865	rBV	751951	1293726	22.11%	1.853%
5	7.981	909	917	924	rVB	97523	163481	2.79%	0.234%
6	8.145	937	945	950	rBV2	32101	62600	1.07%	0.090%
7	8.322	969	975	991	rBV	649247	1122294	19.18%	1.607%
8	8.769	1044	1051	1059	rBV	509849	860743	14.71%	1.233%
9	9.486	1165	1173	1185	rBV	417274	752105	12.85%	1.077%
10	10.022	1257	1264	1273	rVB	609036	1073441	18.34%	1.537%
11	10.392	1317	1327	1331	rBV	990576	1832142	31.31%	2.624%
12	10.445	1331	1336	1345	rVV	3318603	5851600	100.00%	8.380%
13	10.533	1345	1351	1362	rVB	551436	1086833	18.57%	1.556%
14	11.416	1496	1501	1511	rBV2	54451	114492	1.96%	0.164%
15	11.822	1562	1570	1577	rBV2	39698	86671	1.48%	0.124%
16	12.063	1604	1611	1618	rVB2	140952	250089	4.27%	0.358%
17	12.286	1643	1649	1659	rVB	84353	144050	2.46%	0.206%
18	12.792	1731	1735	1740	rVB	68140	90336	1.54%	0.129%
19	13.086	1778	1785	1792	rBV4	60902	137925	2.36%	0.198%
20	13.433	1835	1844	1850	rBV3	45537	126961	2.17%	0.182%
21	13.580	1863	1869	1875	rBV2	70284	136641	2.34%	0.196%
22	13.674	1880	1885	1890	rVV	1114897	1641182	28.05%	2.350%
23	13.722	1890	1893	1903	rVB	483003	799022	13.65%	1.144%
24	13.957	1924	1933	1944	rBV	1209016	2188599	37.40%	3.134%
25	14.169	1964	1969	1975	rBV	79834	133743	2.29%	0.192%
26	14.263	1977	1985	1992	rVV2	1295652	2189253	37.41%	3.135%
27	14.327	1992	1996	2005	rVB	240316	360911	6.17%	0.517%
28	14.480	2016	2022	2034	rBV	425941	813065	13.89%	1.164%
29	14.669	2049	2054	2059	rVB	131747	198257	3.39%	0.284%
30	14.798	2071	2076	2082	rVB3	52524	83179	1.42%	0.119%
31	14.886	2084	2091	2095	rBV7	26165	66232	1.13%	0.095%
32	15.127	2128	2132	2141	rVB2	78130	128218	2.19%	0.184%
33	15.263	2149	2155	2160	rBV	1640367	2412391	41.23%	3.455%
34	15.316	2160	2164	2171	rVB	242480	358414	6.13%	0.513%

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35	15.398	2173	2178	2189	rVB	327866	530642	9.07%	0.760%
36	15.533	2196	2201	2211	rVB2	139153	255900	4.37%	0.366%
37	15.616	2211	2215	2223	rVB3	54293	110791	1.89%	0.159%
38	15.739	2231	2236	2237	rBV2	55694	84327	1.44%	0.121%
39	16.010	2274	2282	2293	rBV	197197	497096	8.50%	0.712%
40	16.321	2329	2335	2340	rBV4	76857	160016	2.73%	0.229%
41	16.780	2410	2413	2417	rBV	62263	85459	1.46%	0.122%
42	16.833	2418	2422	2433	rVB	221312	388529	6.64%	0.556%
43	17.015	2447	2453	2457	rBV	1693486	2527226	43.19%	3.619%
44	17.057	2457	2460	2465	rVV	1131074	1566604	26.77%	2.243%
45	17.115	2465	2470	2473	rVV2	1743559	2728001	46.62%	3.907%
46	17.145	2473	2475	2481	rVB	557826	690929	11.81%	0.989%
47	17.210	2482	2486	2491	rVV2	51605	81649	1.40%	0.117%
48	17.427	2519	2523	2530	rVV2	101747	194216	3.32%	0.278%
49	17.521	2535	2539	2545	rVV2	71487	141387	2.42%	0.202%
50	17.592	2549	2551	2562	rVB4	48913	100769	1.72%	0.144%
51	17.892	2598	2602	2605	rBV	116523	145487	2.49%	0.208%
52	17.939	2606	2610	2616	rVB	183483	263836	4.51%	0.378%
53	18.015	2619	2623	2628	rBV	133204	191872	3.28%	0.275%
54	18.086	2629	2635	2639	rBV3	303747	584100	9.98%	0.836%
55	18.209	2653	2656	2660	rBV4	48406	74264	1.27%	0.106%
56	18.392	2684	2687	2693	rVB	106732	145105	2.48%	0.208%
57	18.815	2755	2759	2763	rBV	127059	190289	3.25%	0.273%
58	19.080	2799	2804	2809	rVV	1363985	1839804	31.44%	2.635%
59	19.139	2810	2814	2819	rVB2	349641	472164	8.07%	0.676%
60	19.233	2825	2830	2834	rBV	256945	365207	6.24%	0.523%
61	19.415	2855	2861	2864	rBV	2284684	3473875	59.37%	4.975%
62	19.445	2864	2866	2875	rVB	1179690	1438040	24.58%	2.059%
63	19.521	2875	2879	2884	rBV5	88031	150209	2.57%	0.215%
64	19.627	2890	2897	2903	rBV3	106266	264502	4.52%	0.379%
65	19.774	2917	2922	2929	rBV4	116157	257055	4.39%	0.368%
66	19.945	2947	2951	2958	rVB2	452496	679447	11.61%	0.973%
67	20.045	2964	2968	2972	rVB2	439972	549532	9.39%	0.787%
68	20.103	2974	2978	2983	rVB2	156826	215360	3.68%	0.308%
69	20.198	2991	2994	2999	rBV	134271	195461	3.34%	0.280%
70	20.245	2999	3002	3005	rBV	77674	95608	1.63%	0.137%
71	20.862	3103	3107	3110	rBV	125897	164528	2.81%	0.236%

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72	20.898	3110	3113	3116	rVB	134116	150460	2.57%	0.215%
73	20.933	3116	3119	3124	rBV2	143605	212762	3.64%	0.305%
74	21.209	3159	3166	3170	rBV3	2592959	4714679	80.57%	6.752%
75	21.250	3170	3173	3183	rVB	1035187	1393990	23.82%	1.996%
76	21.362	3190	3192	3200	rBV2	111591	193317	3.30%	0.277%
77	22.756	3423	3429	3433	rBV	704063	1563472	26.72%	2.239%
78	22.921	3452	3457	3464	rVB	284605	496668	8.49%	0.711%
79	23.221	3503	3508	3511	rBV	440407	742392	12.69%	1.063%
80	23.274	3511	3517	3521	rVV2	1711862	3293063	56.28%	4.716%
81	23.315	3521	3524	3530	rVB	795074	1293394	22.10%	1.852%
82	23.409	3534	3540	3546	rBV	1581503	2941981	50.28%	4.213%
83	25.603	3905	3913	3923	rVB	427914	1195146	20.42%	1.712%
84	26.274	4021	4027	4039	rVB	204256	626926	10.71%	0.898%

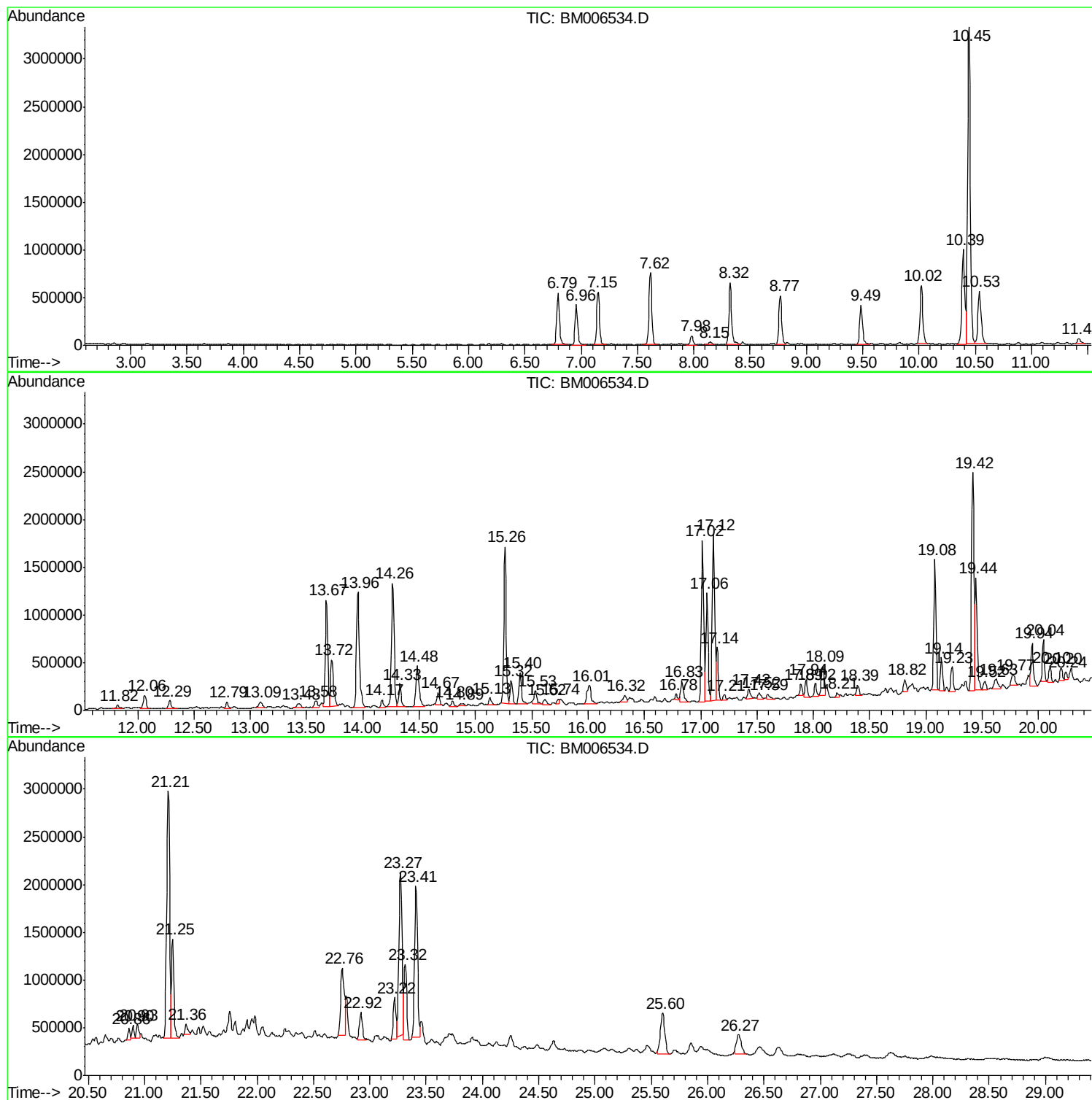
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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



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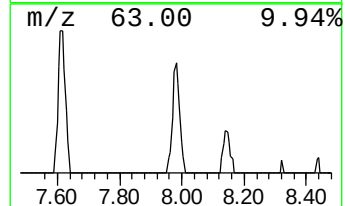
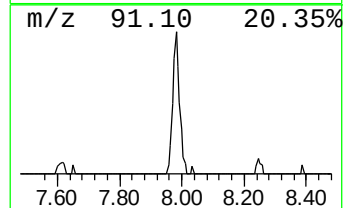
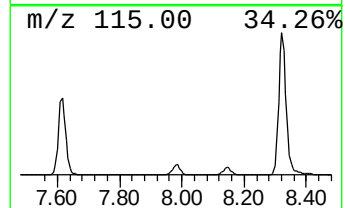
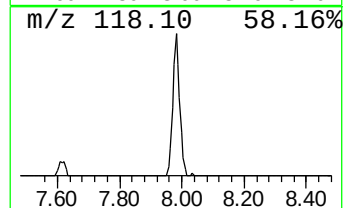
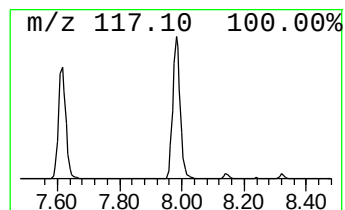
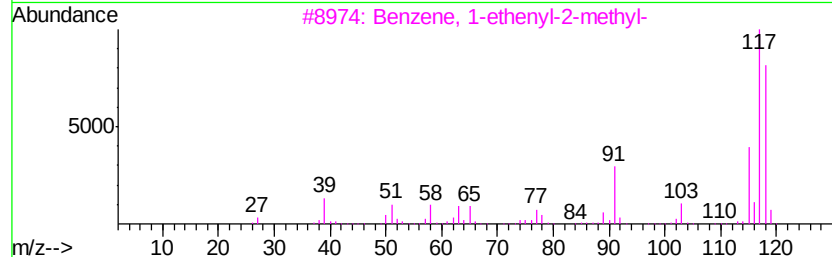
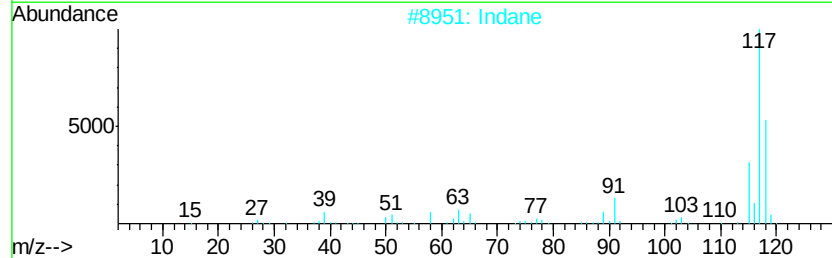
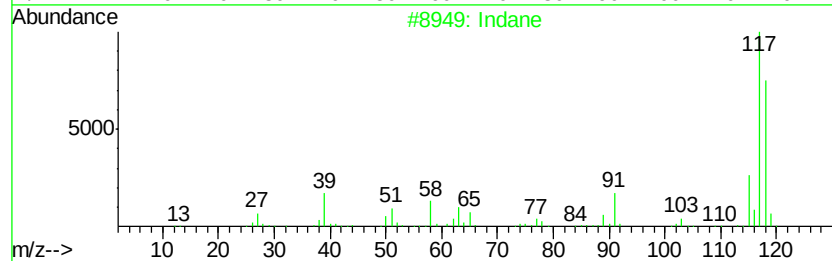
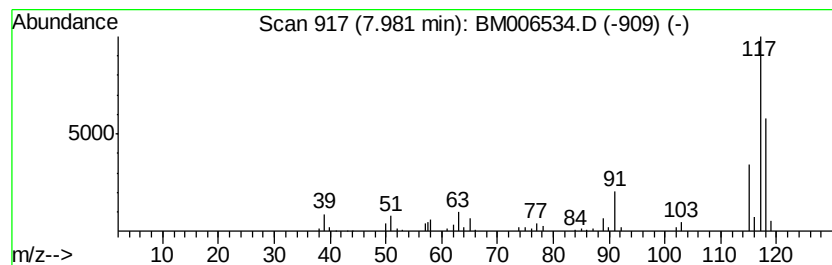
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	2.53 ng/ul	163481	1,4-Dichlorobenzene-d4	7.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane			118	C9H10	000496-11-7	91
2	Indane			118	C9H10	000496-11-7	87
3	Benzene, 1-ethenyl-2-methyl-			118	C9H10	000611-15-4	87
4	Benzene, 1-ethenyl-2-methyl-			118	C9H10	000611-15-4	81
5	Indane			118	C9H10	000496-11-7	81



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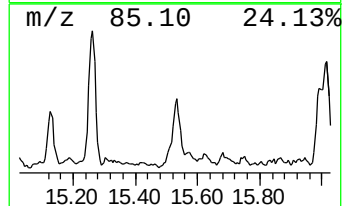
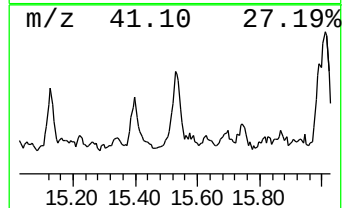
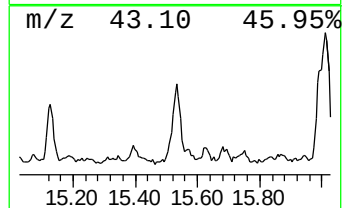
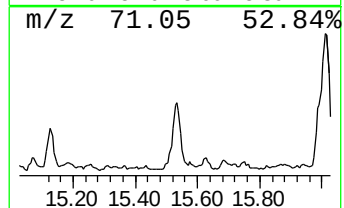
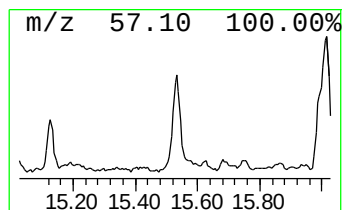
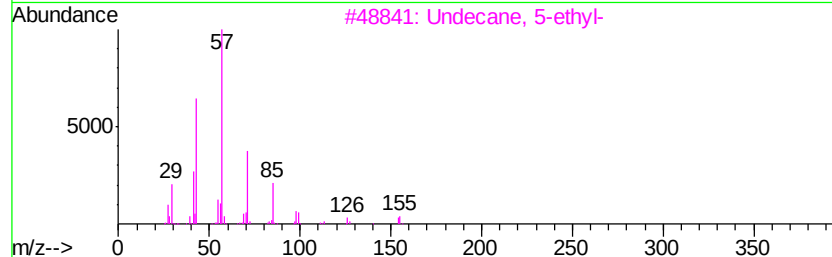
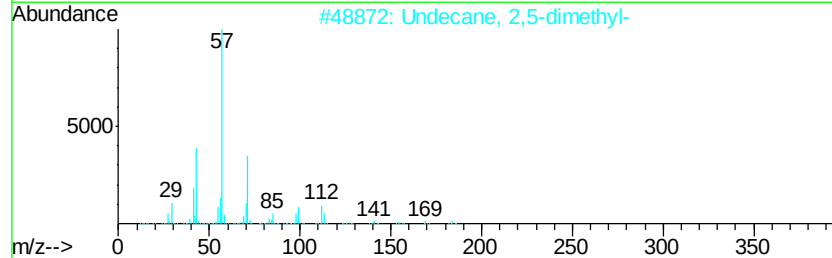
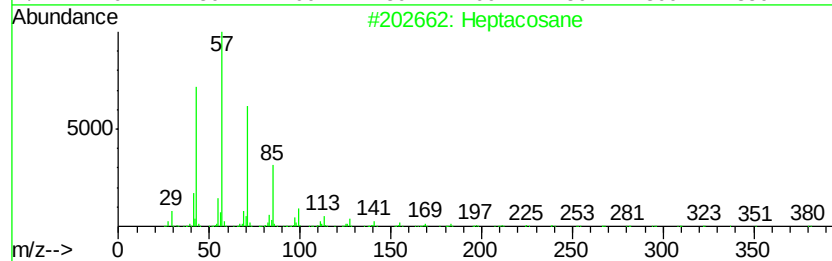
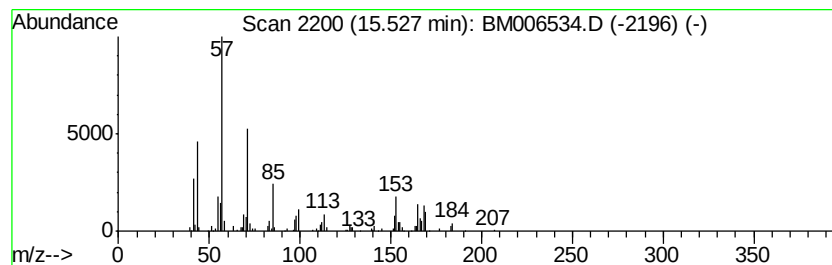
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.34 ng/ul	255900	Acenaphthene-d10	14.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	58
2		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	53
3		Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5		Tridecane	184	C13H28	000629-50-5	52



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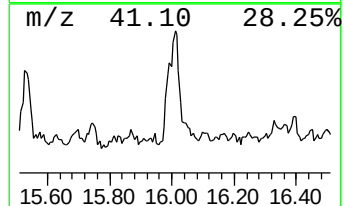
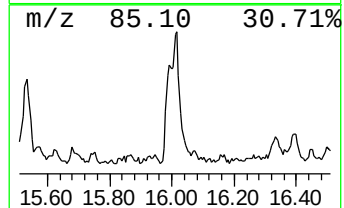
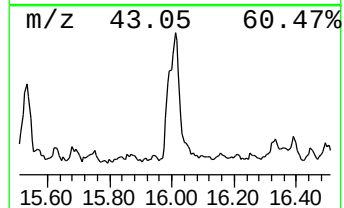
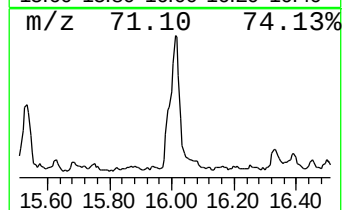
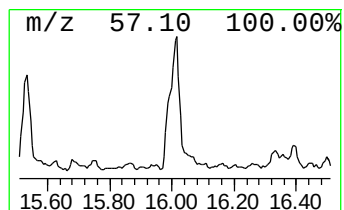
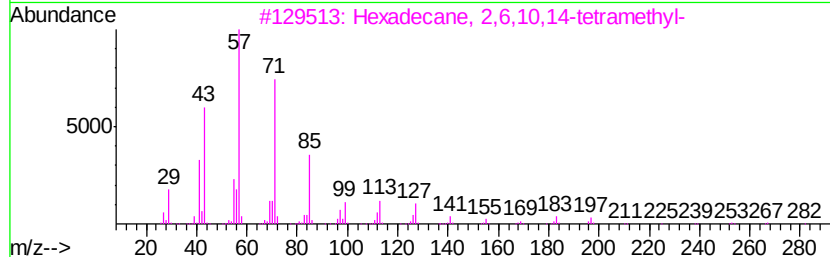
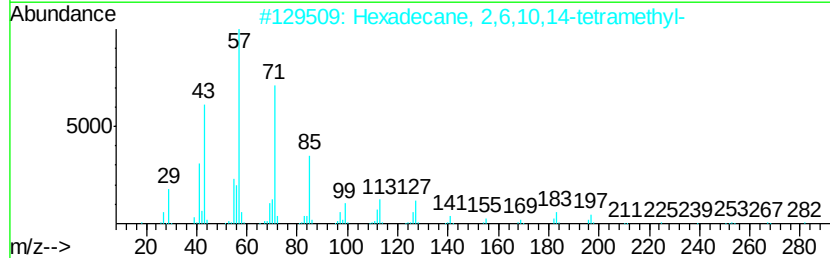
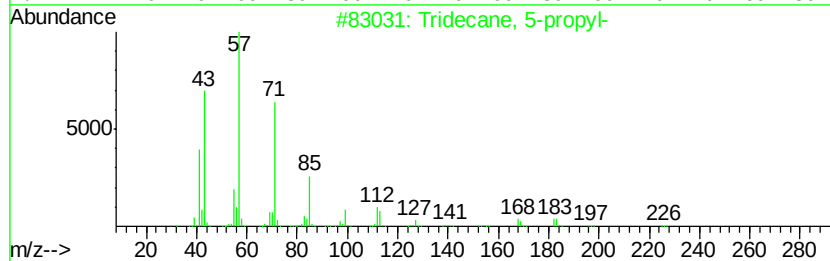
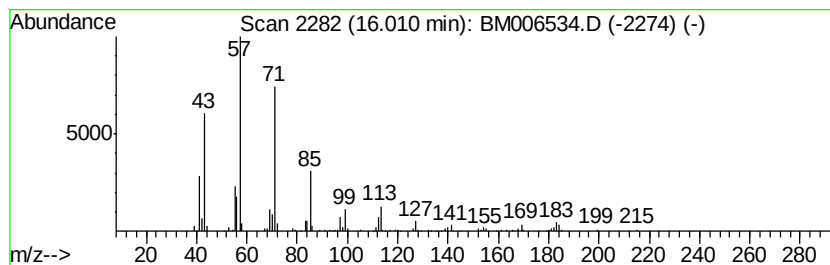
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.01	3.93 ng/ul	497096	Phenanthrene-d10	17.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
5	Heptacosane	380	C27H56	000593-49-7	86



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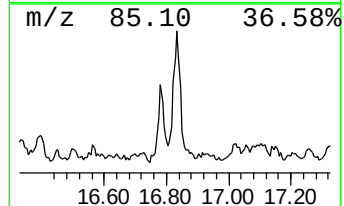
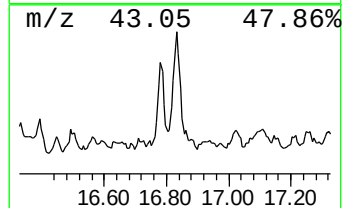
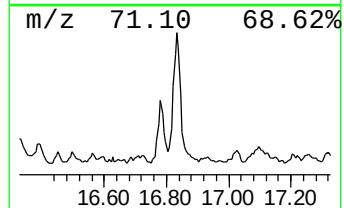
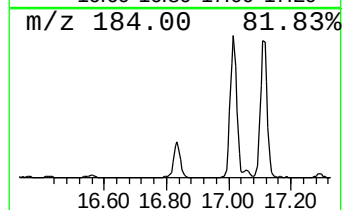
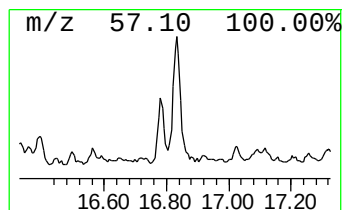
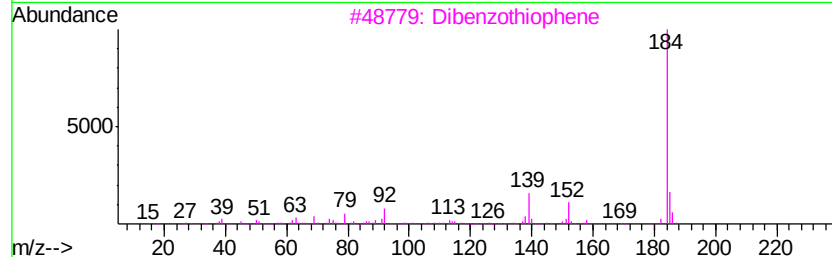
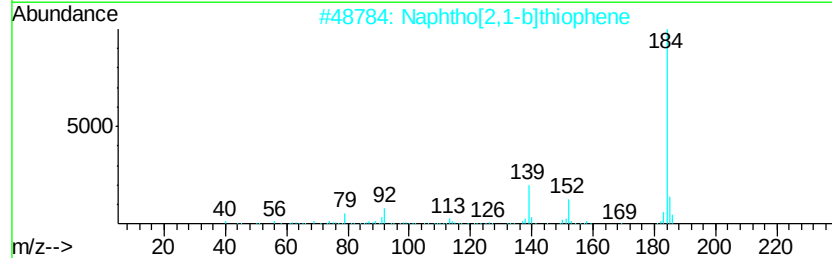
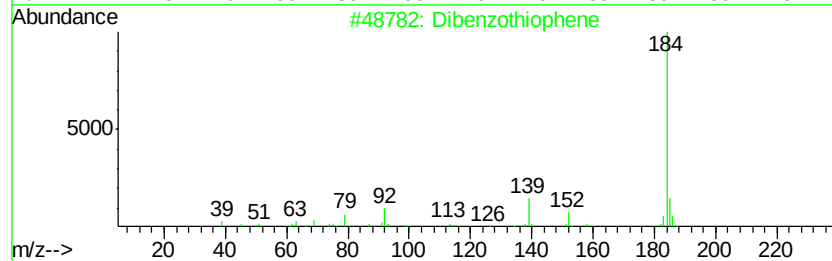
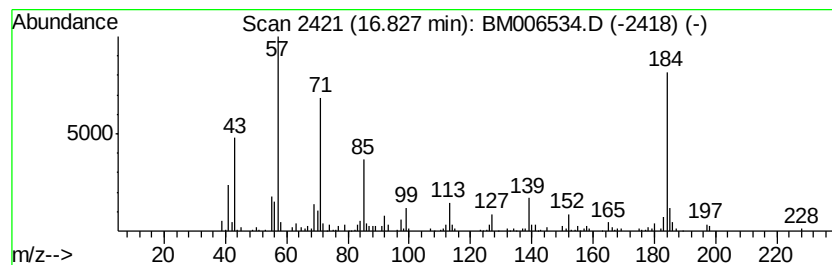
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.83	3.07 ng/ul	388529	Phenanthrene-d10	17.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	83
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	80
3	Dibenzothiophene	184	C12H8S	000132-65-0	55
4	Dibenzothiophene	184	C12H8S	000132-65-0	55
5	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	55



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006534.D
Acq On : 19 Jul 2016 22:12
Operator : UM/SJ
Sample : H4029-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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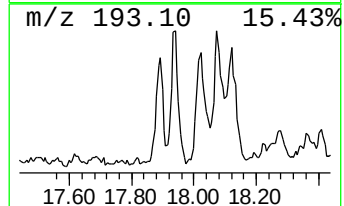
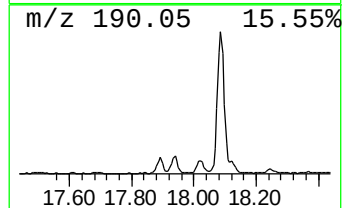
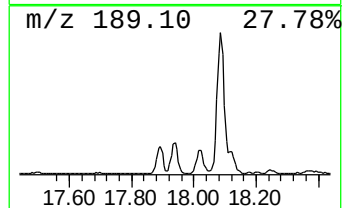
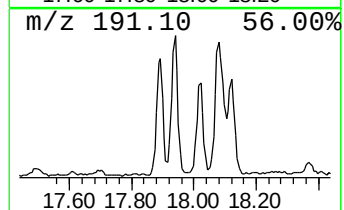
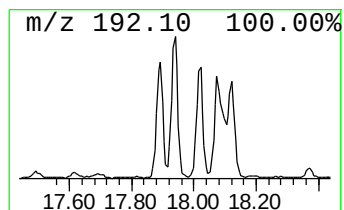
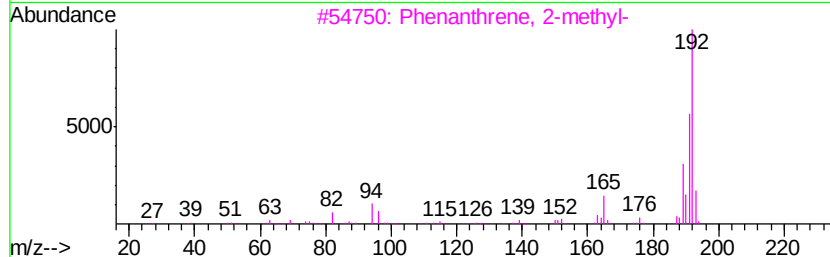
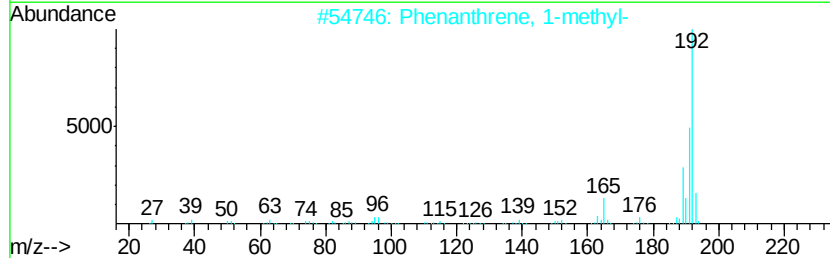
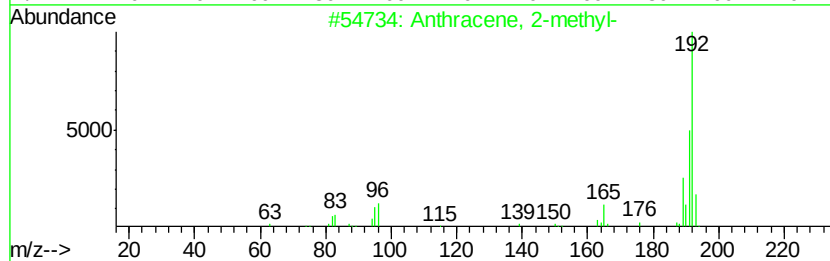
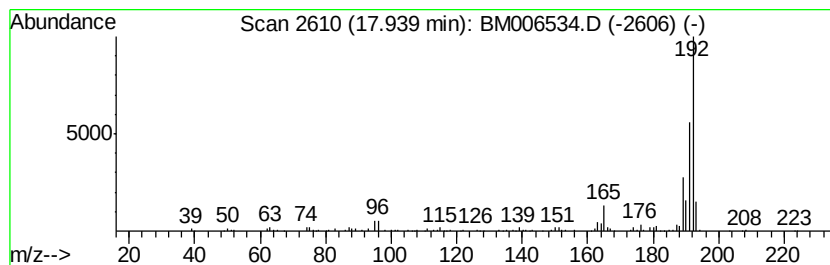
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.09 ng/ul	263836	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
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Acq On : 19 Jul 2016 22:12
Operator : UM/SJ
Sample : H4029-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

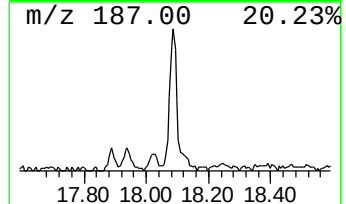
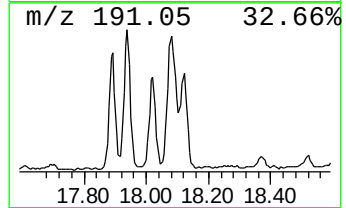
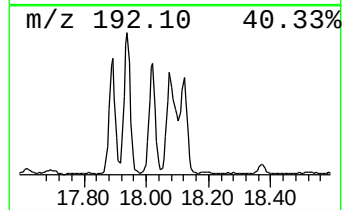
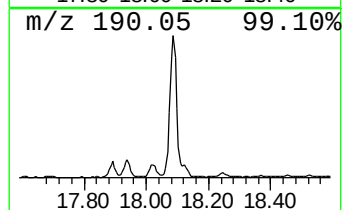
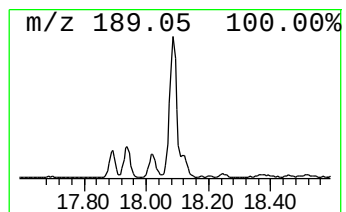
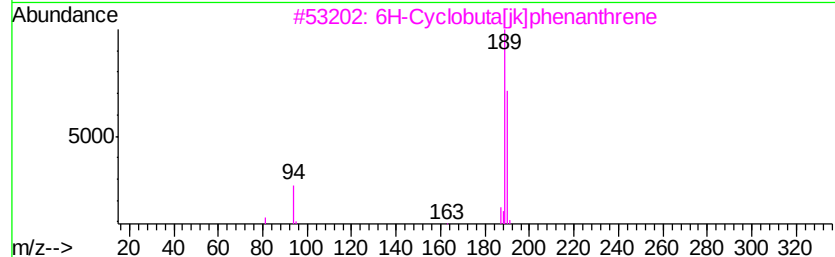
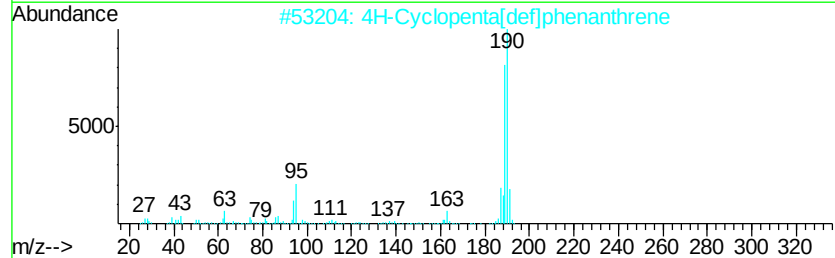
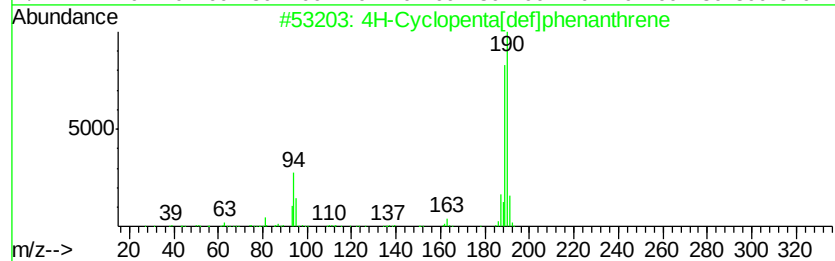
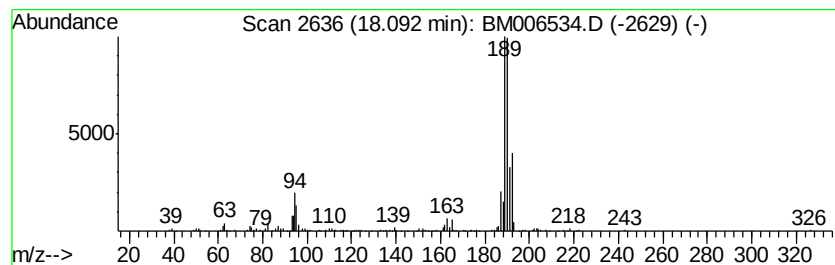
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.09	4.62 ng/ul	584100	Phenanthrene-d10	17.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006534.D
Acq On : 19 Jul 2016 22:12
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Sample : H4029-09
Misc :
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Instrument :
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ClientSampleId :
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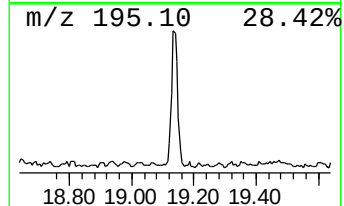
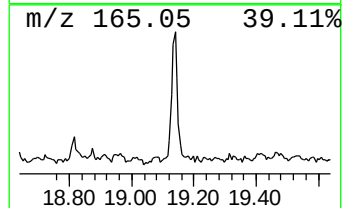
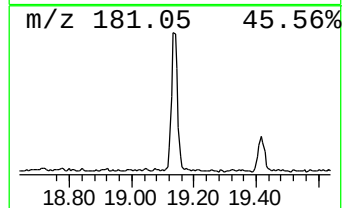
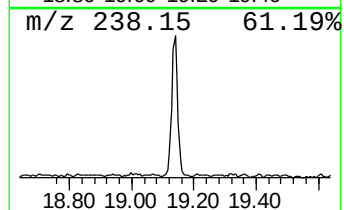
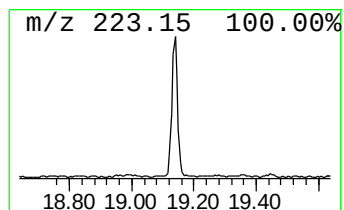
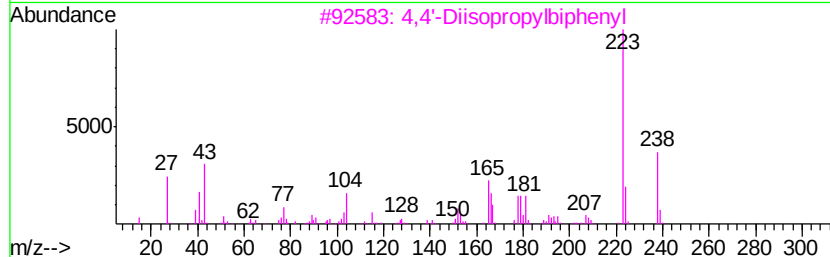
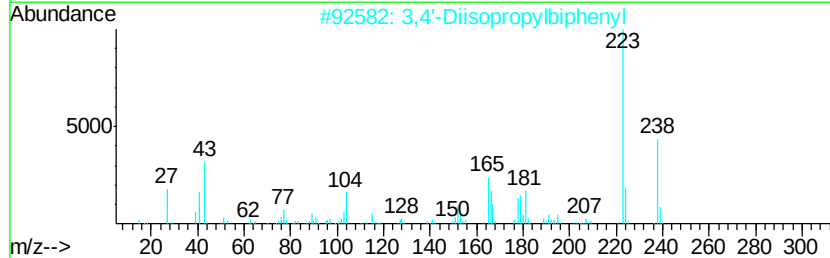
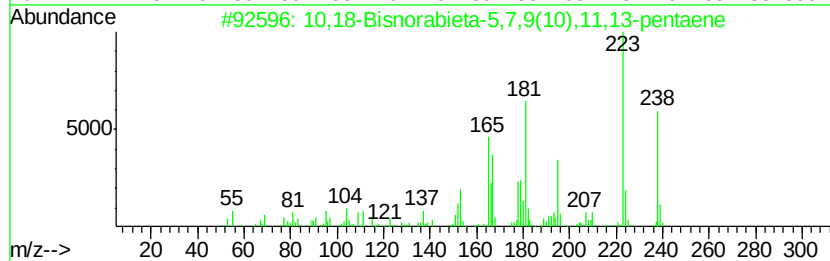
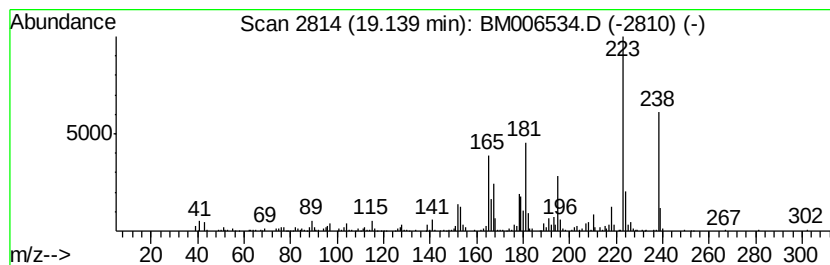
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.00 ng/ul	472164	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2		3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	86
3		4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	52
4		4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	46
5		2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	45



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006534.D
Acq On : 19 Jul 2016 22:12
Operator : UM/SJ
Sample : H4029-09
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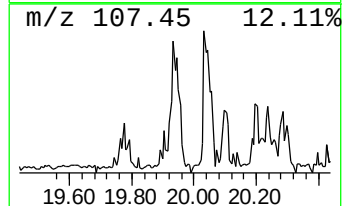
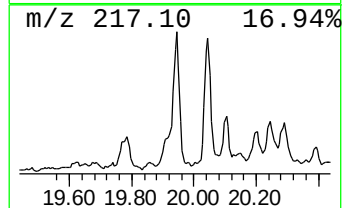
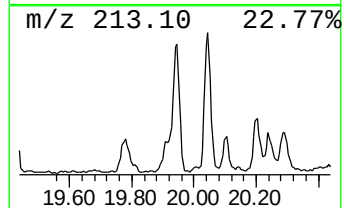
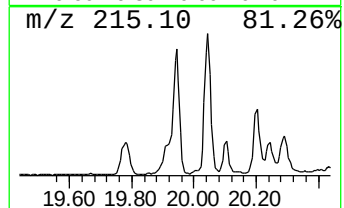
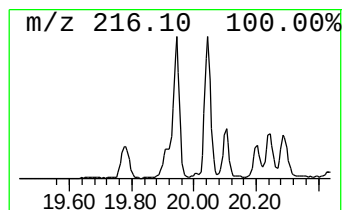
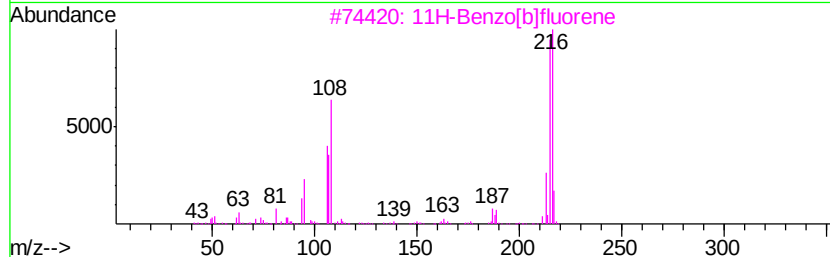
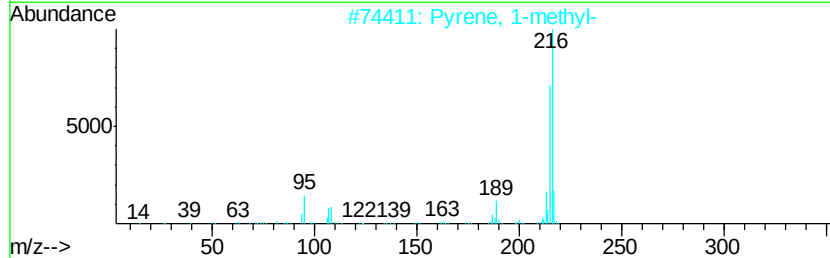
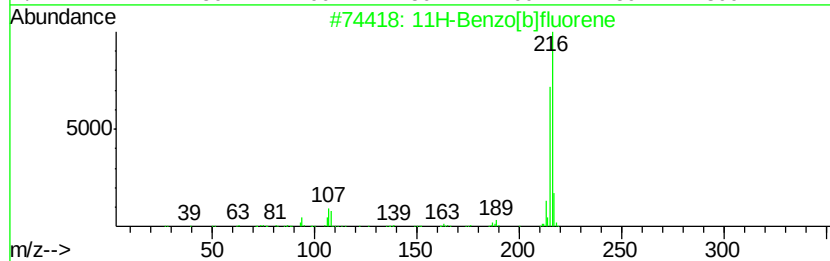
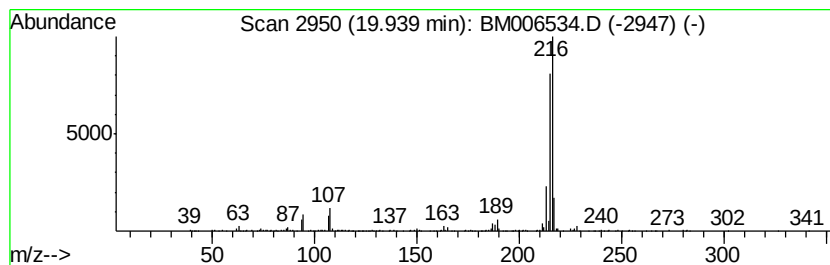
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.88 ng/ul	679447	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4 94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7 94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4 93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6 91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2 91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
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Acq On : 19 Jul 2016 22:12
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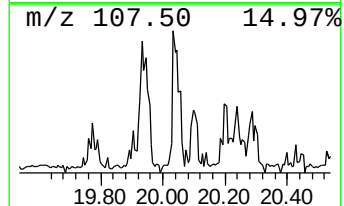
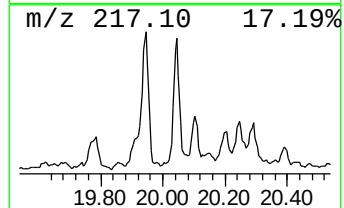
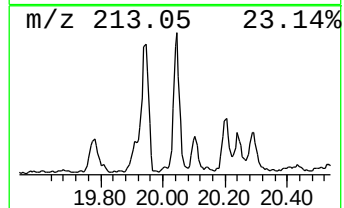
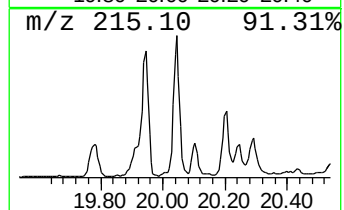
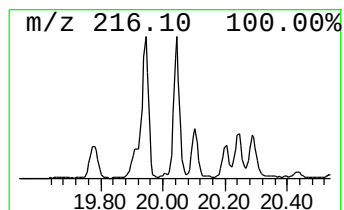
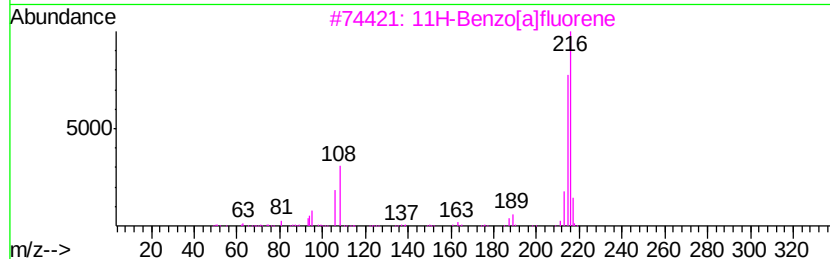
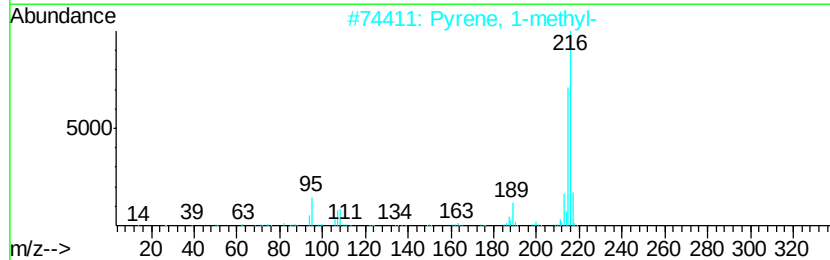
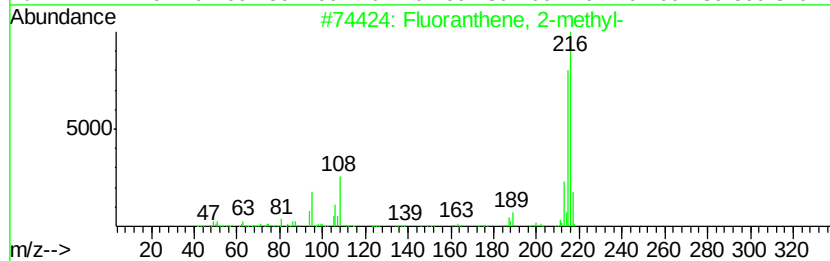
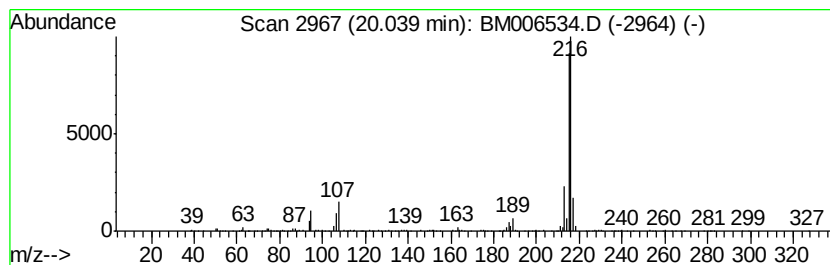
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.33 ng/ul	549532	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Fluoranthene, 2-methyl-	216 C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216 C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216 C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
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Sample : H4029-09
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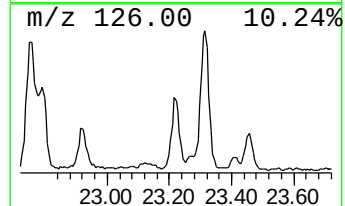
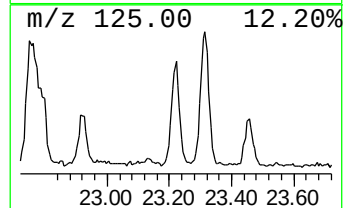
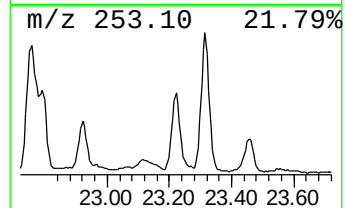
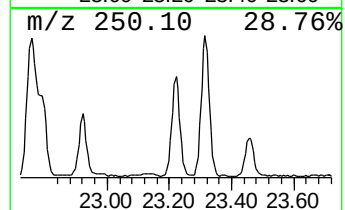
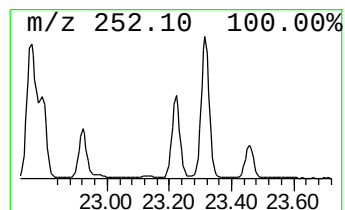
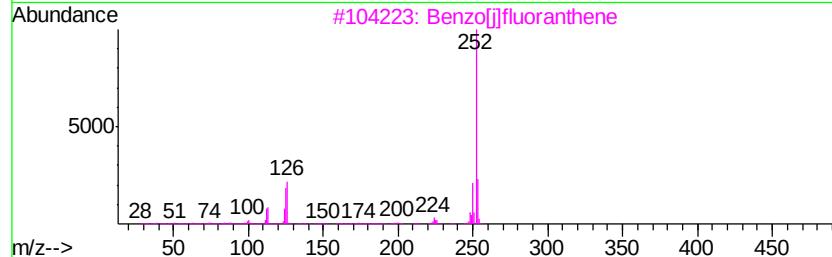
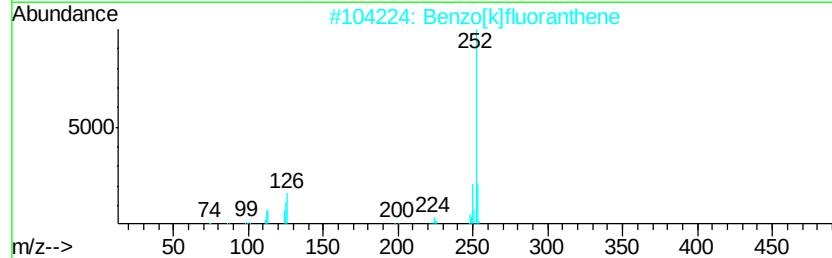
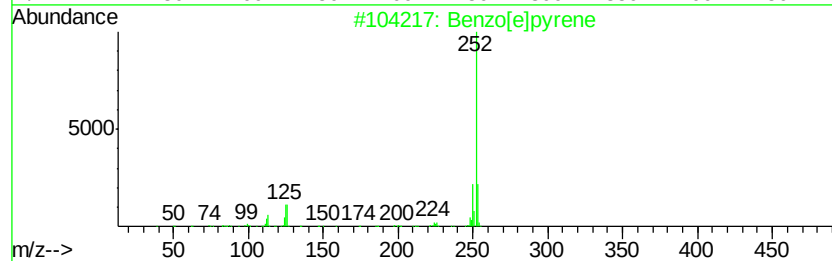
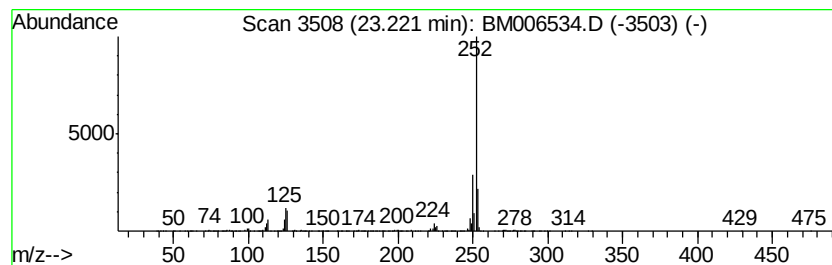
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.22	5.05 ng/ul	742392	Perylene-d12	23.41

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.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
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(DEL) Alkane: Str...	15.53	2.3	ng/ul	255900	3	14.26	2189250	20.0
(DEL) Alkane: Str...	16.01	3.9	ng/ul	497096	4	17.02	2527230	20.0
Dibenzothiophene	16.83	3.1	ng/ul	388529	4	17.02	2527230	20.0
Anthracene, 2-met...	17.94	2.1	ng/ul	263836	4	17.02	2527230	20.0
4H-Cyclopenta[def...	18.09	4.6	ng/ul	584100	4	17.02	2527230	20.0
10,18-Bisnorabiet...	19.14	2.0	ng/ul	472164	5	21.22	4714680	20.0
11H-Benzo[b]fluorene	19.94	2.9	ng/ul	679447	5	21.22	4714680	20.0
Fluoranthene, 2-m...	20.04	2.3	ng/ul	549532	5	21.22	4714680	20.0
Benzo[e]pyrene	23.22	5.0	ng/ul	742392	6	23.41	2941980	20.0