

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
 Data File : BP000197.D
 Acq On : 11 Sep 2019 12:40
 Operator : HP/JU
 Sample : K4807-02
 Misc : GCMS CONFIRMATION
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AS4

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-BP090519MA.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	2.146	7	10	18	rVB	78062	75891	2.51%	0.249%
2	2.223	18	23	31	rVB2	136863	182761	6.04%	0.599%
3	2.328	37	41	45	rBV	111735	169313	5.60%	0.555%
4	2.364	45	47	51	rVV	51920	58962	1.95%	0.193%
5	2.411	51	55	58	rVV2	17388	21710	0.72%	0.071%
6	2.452	58	62	69	rVB	23753	33106	1.09%	0.109%
7	2.599	81	87	93	rVB	371511	503095	16.64%	1.649%
8	3.140	171	179	186	rVB2	28268	48253	1.60%	0.158%
9	4.017	321	328	334	rVB	16524	23918	0.79%	0.078%
10	4.805	455	462	465	rVB	25827	27677	0.92%	0.091%
11	6.893	813	817	820	rBV	2149168	1681971	55.62%	5.514%
12	8.175	1031	1035	1039	rBV	2785044	2279491	75.38%	7.473%
13	8.340	1058	1063	1068	rBV	32051	34442	1.14%	0.113%
14	9.210	1206	1211	1214	rBV2	24549	22593	0.75%	0.074%
15	9.334	1226	1232	1234	rBV2	14402	23155	0.77%	0.076%
16	9.681	1288	1291	1296	rVB	21345	18057	0.60%	0.059%
17	9.752	1300	1303	1305	rVB	20579	16183	0.54%	0.053%
18	9.946	1332	1336	1340	rBV	3360463	2821908	93.32%	9.251%
19	11.451	1588	1592	1595	rBV	3486265	3023976	100.00%	9.913%
20	11.804	1647	1652	1655	rVB	26728	33791	1.12%	0.111%
21	11.951	1673	1677	1680	rBV5	19113	24466	0.81%	0.080%
22	11.987	1680	1683	1687	rVV5	16273	19806	0.65%	0.065%
23	12.081	1695	1699	1702	rBV	697109	577438	19.10%	1.893%
24	12.116	1702	1705	1708	rVV	157021	133552	4.42%	0.438%
25	12.140	1708	1709	1712	rVB2	33307	23697	0.78%	0.078%
26	12.251	1724	1728	1731	rBV	299141	251585	8.32%	0.825%
27	12.357	1744	1746	1750	rVB	94769	81716	2.70%	0.268%
28	12.398	1750	1753	1755	rBV3	16693	19845	0.66%	0.065%
29	12.557	1776	1780	1782	rBV	114283	112438	3.72%	0.369%
30	12.604	1782	1788	1793	rVB2	1013279	1279720	42.32%	4.195%
31	12.657	1794	1797	1800	rBV	147657	127129	4.20%	0.417%
32	12.740	1807	1811	1815	rBV2	254949	275642	9.12%	0.904%
33	12.787	1815	1819	1823	rVV	1320870	1442799	47.71%	4.730%
34	12.828	1823	1826	1830	rVB	512775	482241	15.95%	1.581%

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35	12.910	1837	1840	1844	rVB3	61901	59328	1.96%	0.194%
36	12.957	1845	1848	1852	rBV	390474	363619	12.02%	1.192%
37	13.010	1852	1857	1860	rBV	693374	625312	20.68%	2.050%
38	13.045	1860	1863	1865	rVV	214043	202112	6.68%	0.663%
39	13.081	1865	1869	1873	rVB	1398834	1365769	45.16%	4.477%
40	13.175	1880	1885	1887	rBV2	188452	234609	7.76%	0.769%
41	13.198	1887	1889	1892	rVV3	100446	116914	3.87%	0.383%
42	13.228	1892	1894	1896	rVV	67356	63289	2.09%	0.207%
43	13.263	1896	1900	1903	rVV	641186	623710	20.63%	2.045%
44	13.298	1903	1906	1910	rVV	1255177	1114454	36.85%	3.653%
45	13.351	1912	1915	1918	rVB	59847	60955	2.02%	0.200%
46	13.404	1918	1924	1928	rVB2	116467	157577	5.21%	0.517%
47	13.457	1929	1933	1936	rBV	692433	649646	21.48%	2.130%
48	13.487	1936	1938	1940	rVV	338432	361040	11.94%	1.184%
49	13.510	1940	1942	1946	rVB	494280	421363	13.93%	1.381%
50	13.563	1948	1951	1955	rBV	170627	163323	5.40%	0.535%
51	13.610	1956	1959	1961	rBV2	76057	84739	2.80%	0.278%
52	13.675	1965	1970	1976	rVV	821781	1127817	37.30%	3.697%
53	13.734	1978	1980	1983	rVB	61413	56640	1.87%	0.186%
54	13.787	1986	1989	1993	rBV5	43512	45448	1.50%	0.149%
55	13.828	1994	1996	2001	rVB6	31916	32108	1.06%	0.105%
56	13.892	2003	2007	2011	rBV2	268560	275597	9.11%	0.903%
57	13.975	2018	2021	2024	rBV3	55397	50473	1.67%	0.165%
58	14.016	2026	2028	2032	rVV4	42855	47884	1.58%	0.157%
59	14.081	2036	2039	2042	rVV	110851	114209	3.78%	0.374%
60	14.116	2043	2045	2046	rVV2	30719	24655	0.82%	0.081%
61	14.145	2046	2050	2055	rVV	2715233	2952645	97.64%	9.679%
62	14.192	2055	2058	2061	rVB	99633	112564	3.72%	0.369%
63	14.369	2085	2088	2091	rVB2	51592	55315	1.83%	0.181%
64	14.410	2092	2095	2100	rVV4	73845	85467	2.83%	0.280%
65	15.698	2308	2314	2325	rVB	1822233	2904056	96.03%	9.520%

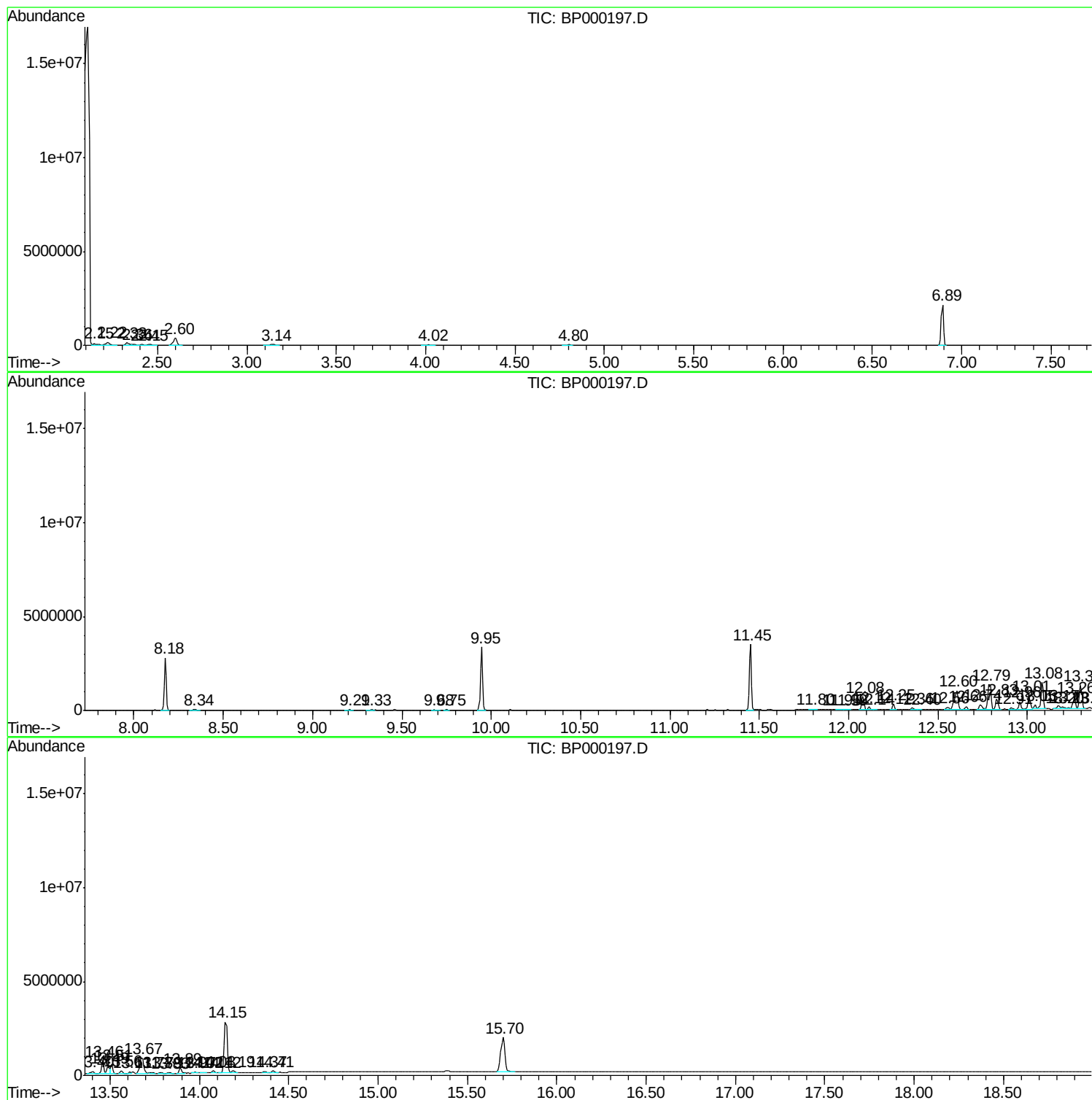
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TIC Library : C:\DATABASE\NIST02.L
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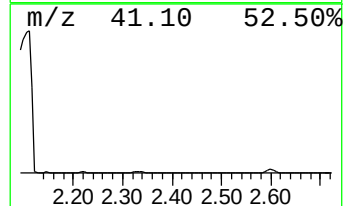
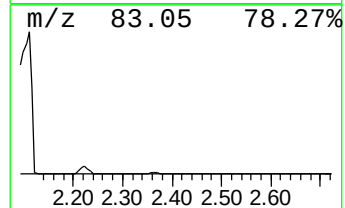
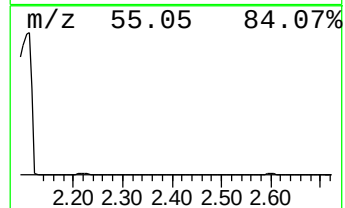
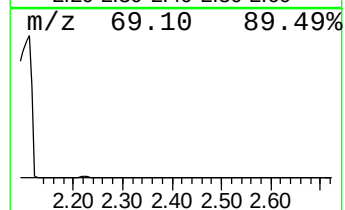
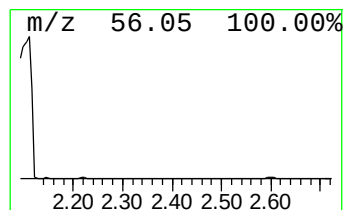
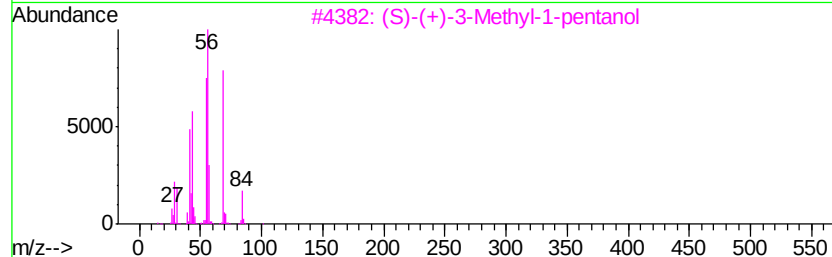
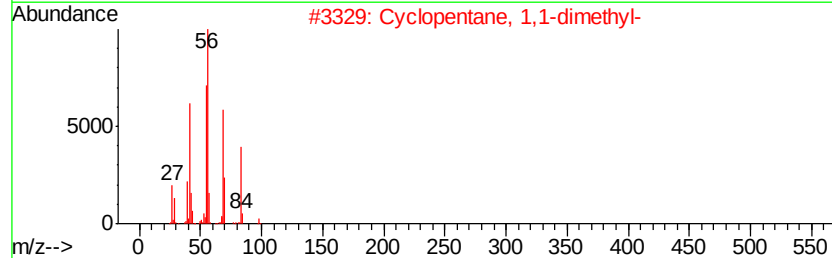
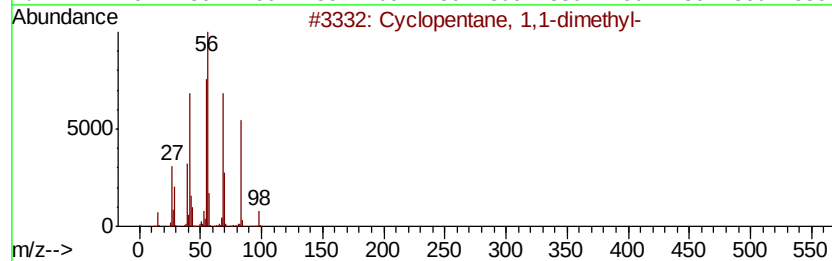
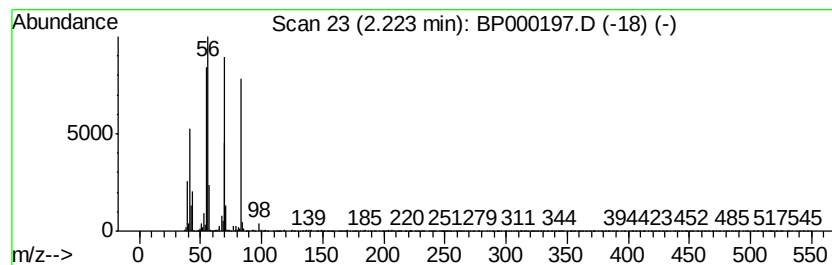
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Cyclic2.22 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	2.17 ng/ul	182761	1,4-Dichlorobenzene-d4	6.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2			Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43
3			(S)-(+)-3-Methyl-1-pentanol	102	C6H14O	042072-39-9	43
4			Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	35
5			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	27



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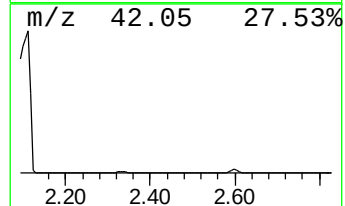
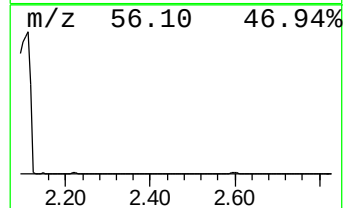
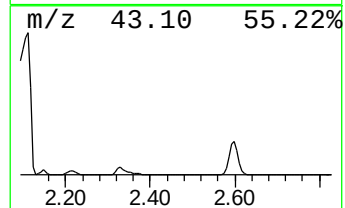
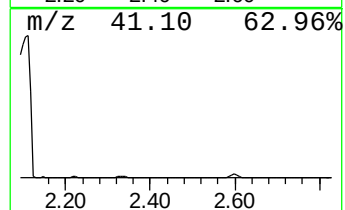
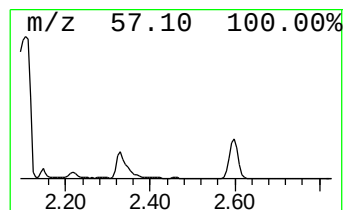
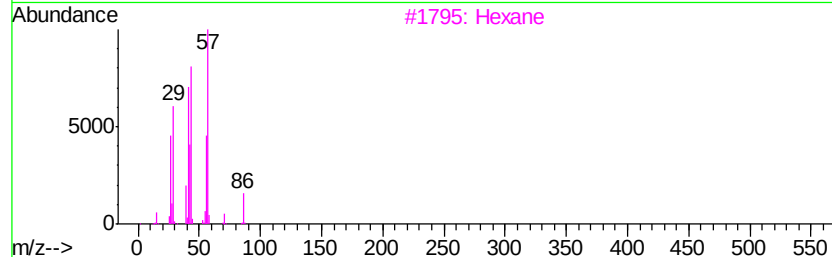
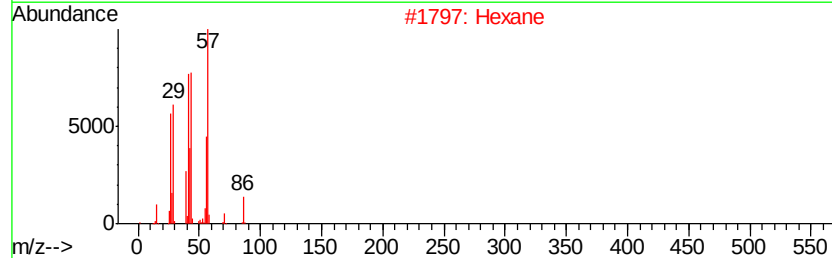
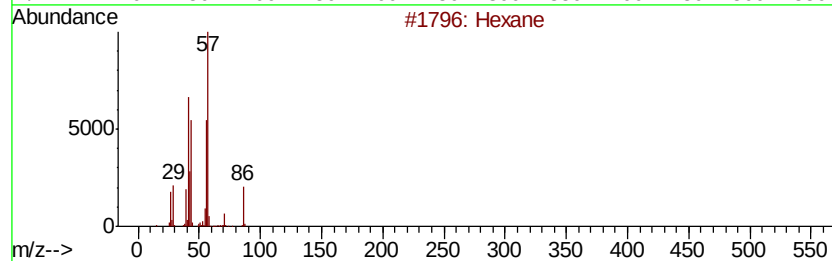
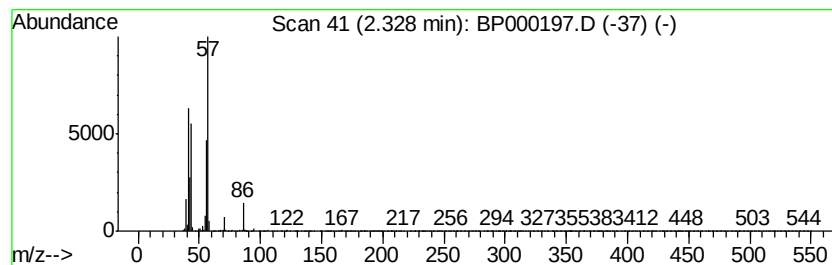
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	2.01 ng/ul	169313	1,4-Dichlorobenzene-d4	6.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane			86	C6H14	000110-54-3	94
2	Hexane			86	C6H14	000110-54-3	90
3	Hexane			86	C6H14	000110-54-3	64
4	Butane, 1-chloro-2-methyl-			106	C5H11Cl	000616-13-7	40
5	Pentane, 2,2,3,4-tetramethyl-			128	C9H20	001186-53-4	40



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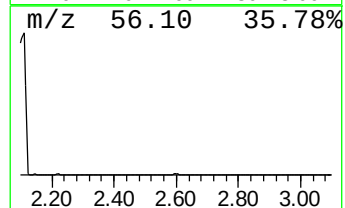
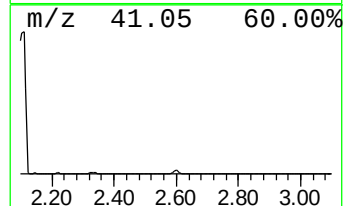
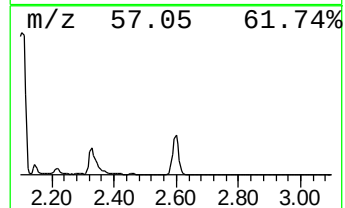
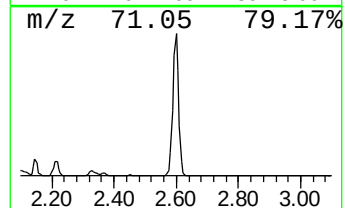
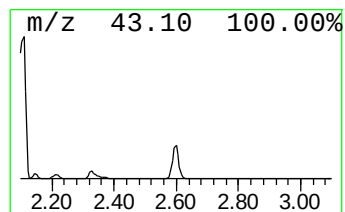
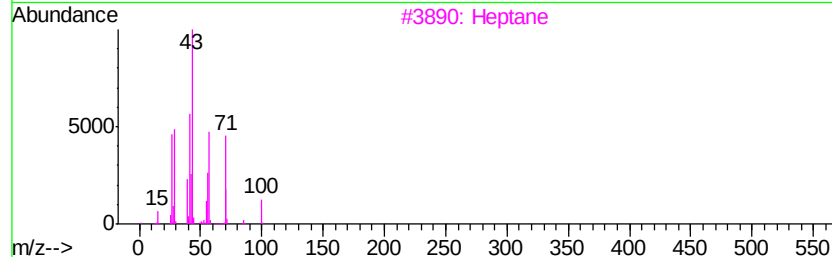
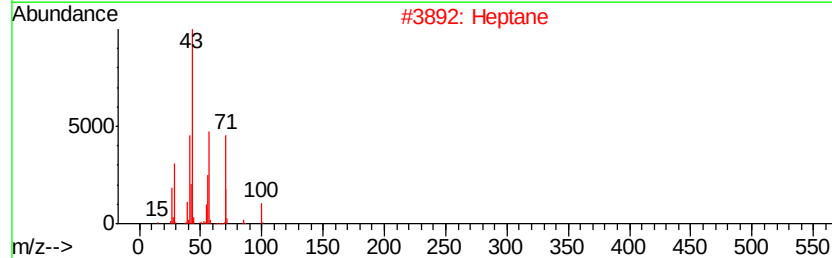
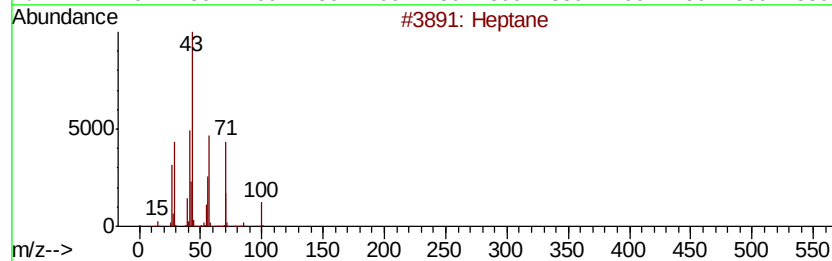
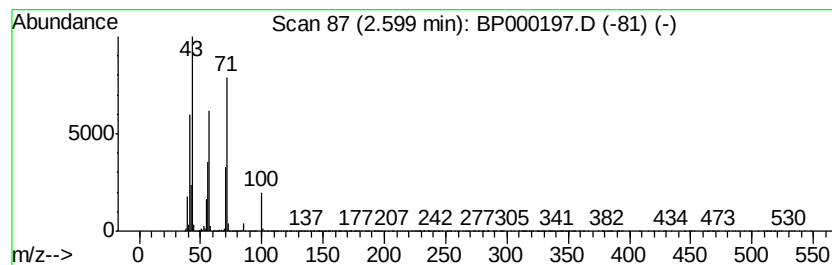
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	5.98 ng/ul	503095	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	91
2		Heptane	100	C7H16	000142-82-5	91
3		Heptane	100	C7H16	000142-82-5	91
4		Heptane	100	C7H16	000142-82-5	80
5		Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	50



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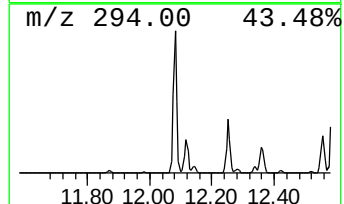
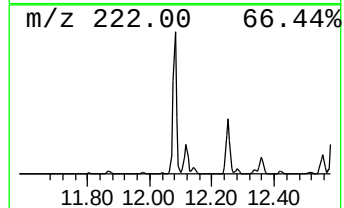
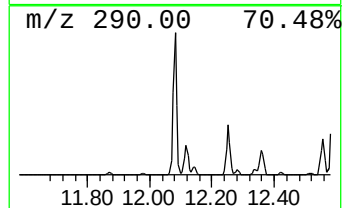
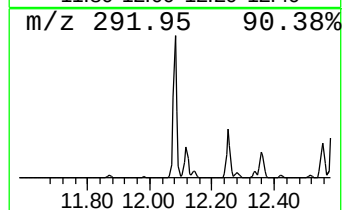
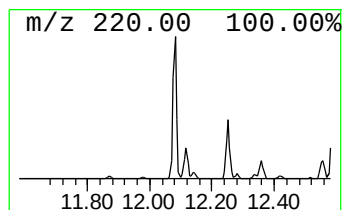
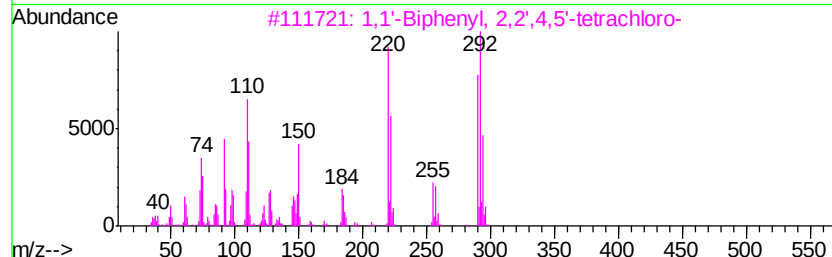
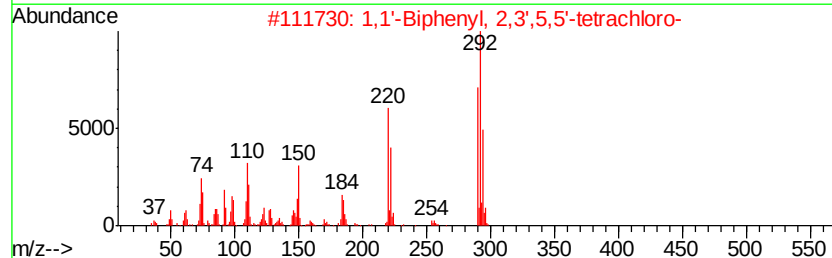
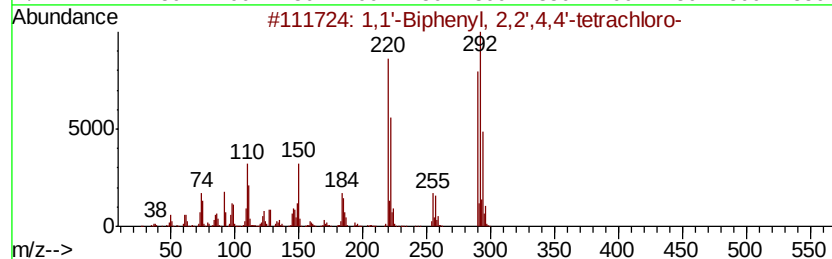
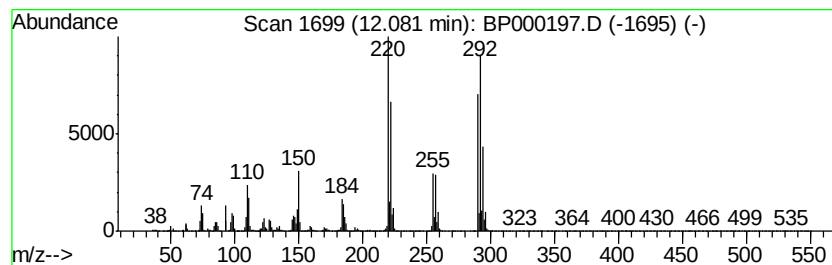
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.08	3.82 ng/ul	577438	Phenanthrene-d10	11.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrachl...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrachl...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrachl...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99



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ALS Vial : 33 Sample Multiplier: 1

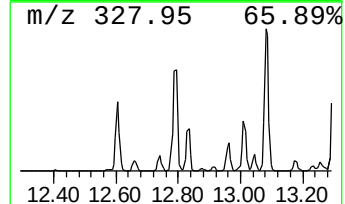
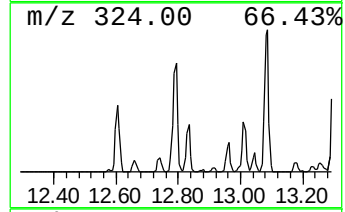
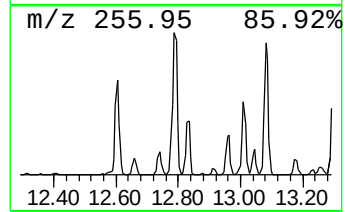
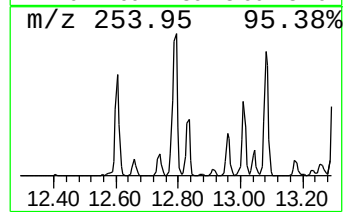
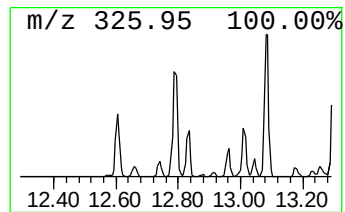
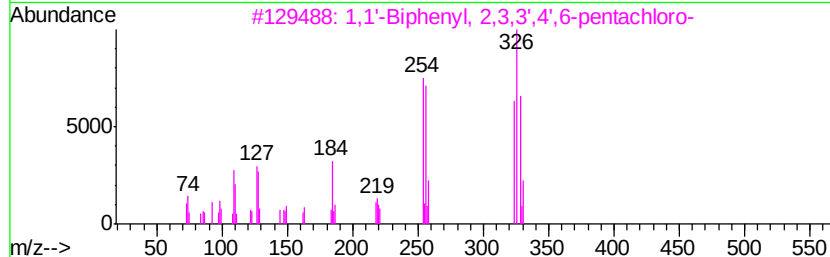
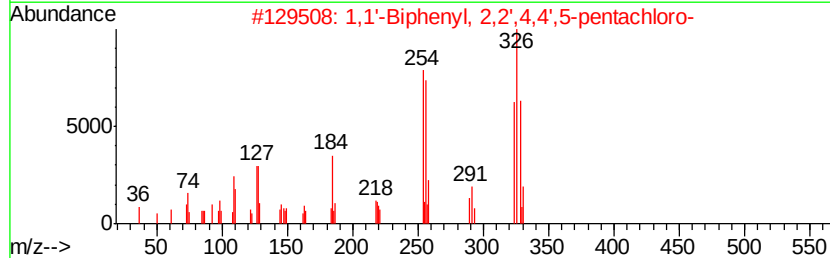
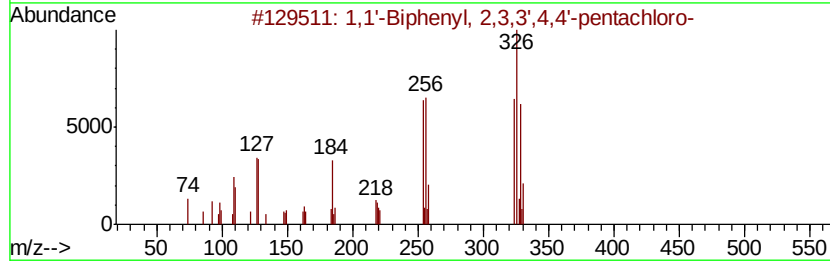
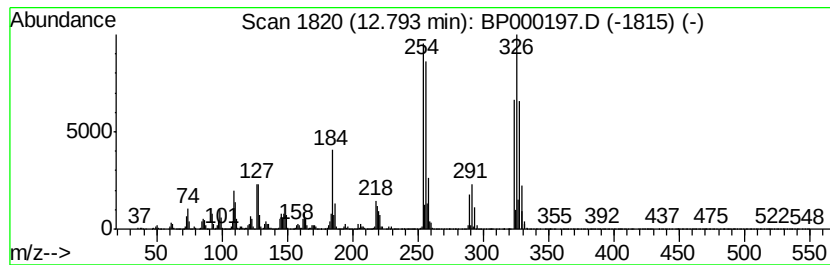
Instrument :
BNA_P
ClientSampleId :
C0AS4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.79	9.54 ng/ul	1442800	Phenanthrene-d10	11.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000197.D
Acq On : 11 Sep 2019 12:40
Operator : HP/JU
Sample : K4807-02
Misc : GCMS CONFIRMATION
ALS Vial : 33 Sample Multiplier: 1

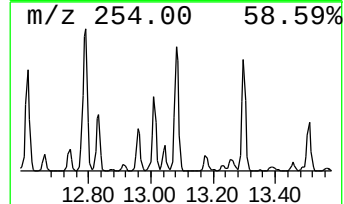
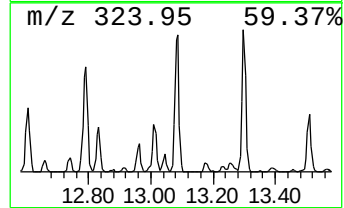
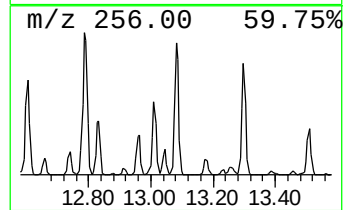
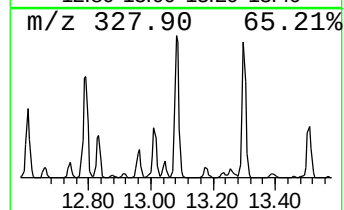
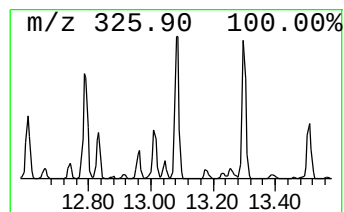
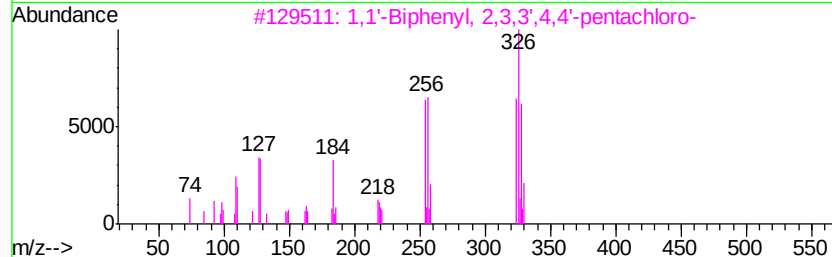
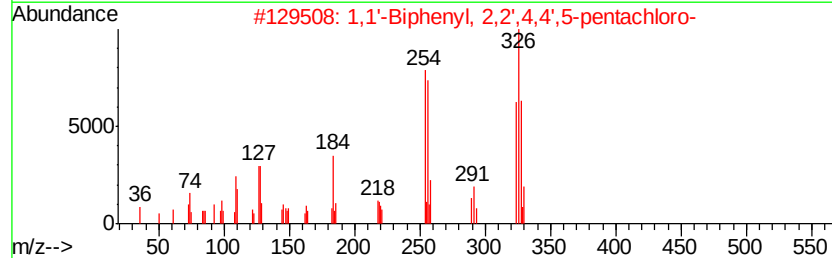
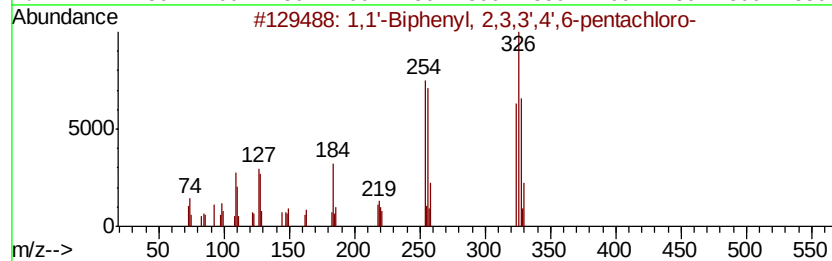
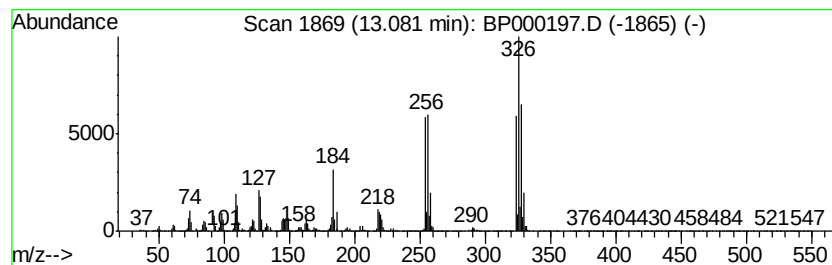
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	9.25 ng/ul	1365770	Chrysene-d12	14.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324 C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324 C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324 C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324 C12H5Cl5	070424-70-3	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324 C12H5Cl5	032598-14-4	98



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000197.D
Acq On : 11 Sep 2019 12:40
Operator : HP/JU
Sample : K4807-02
Misc : GCMS CONFIRMATION
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AS4

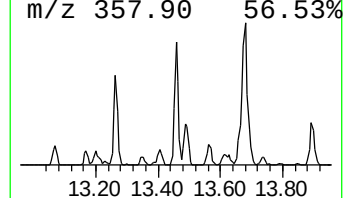
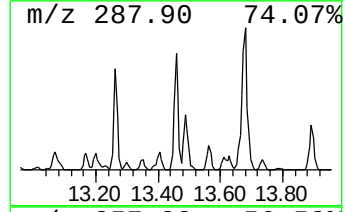
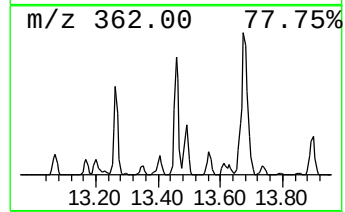
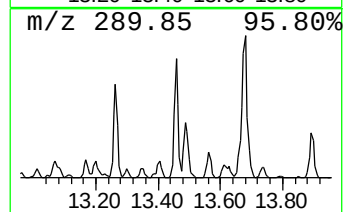
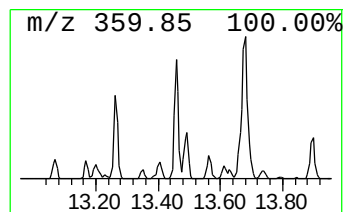
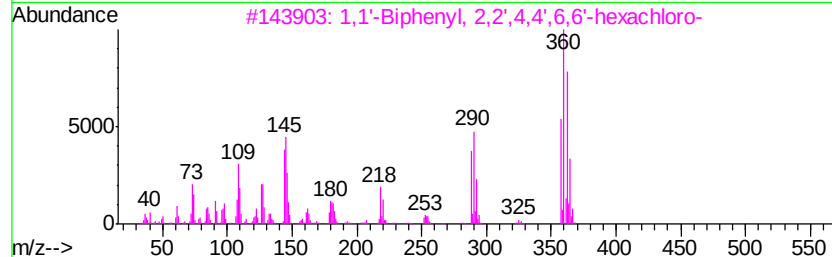
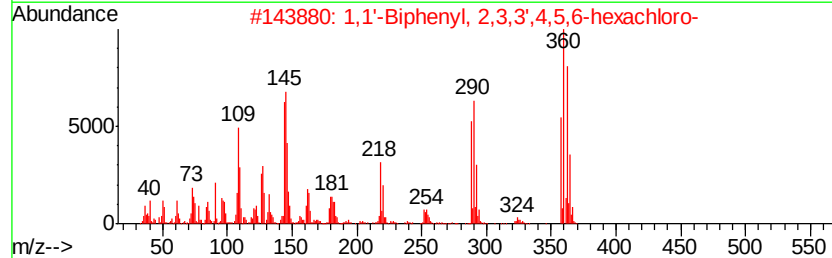
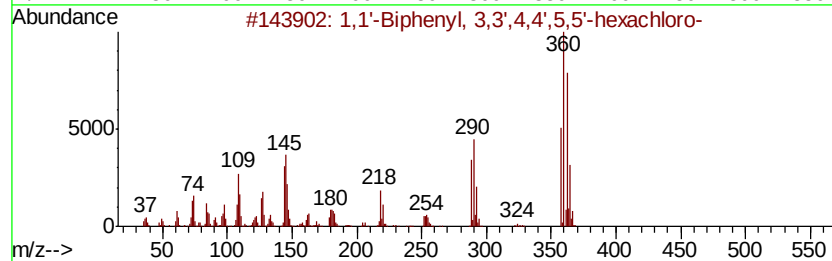
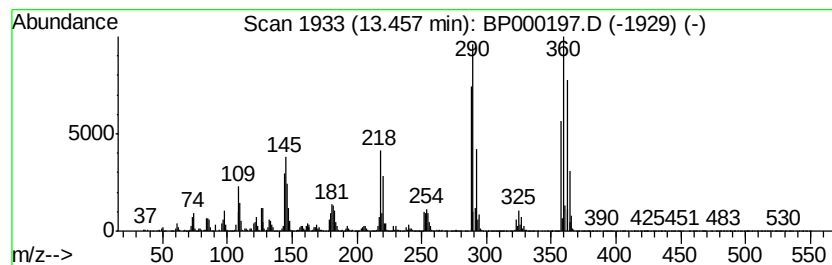
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	4.40 ng/ul	649646	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
3		1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
4		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5		1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	96



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000197.D
Acq On : 11 Sep 2019 12:40
Operator : HP/JU
Sample : K4807-02
Misc : GCMS CONFIRMATION
ALS Vial : 33 Sample Multiplier: 1

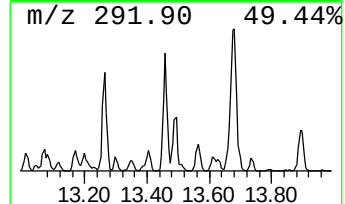
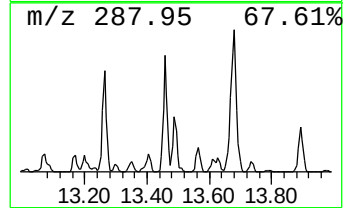
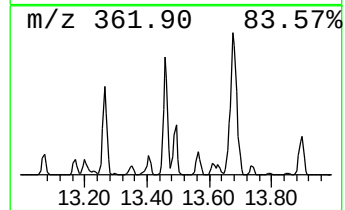
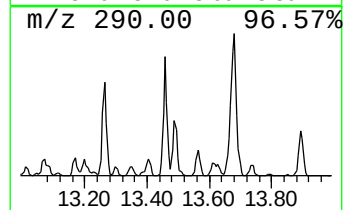
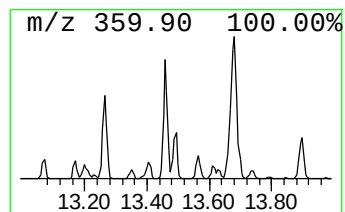
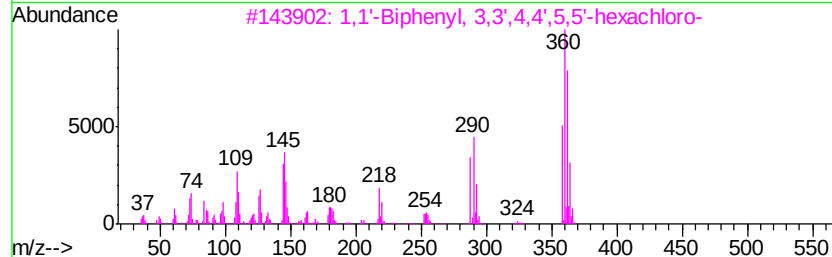
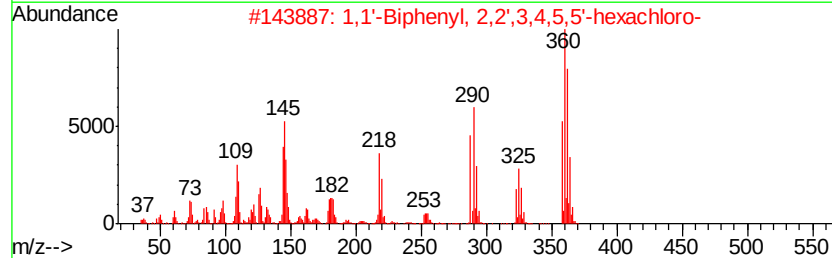
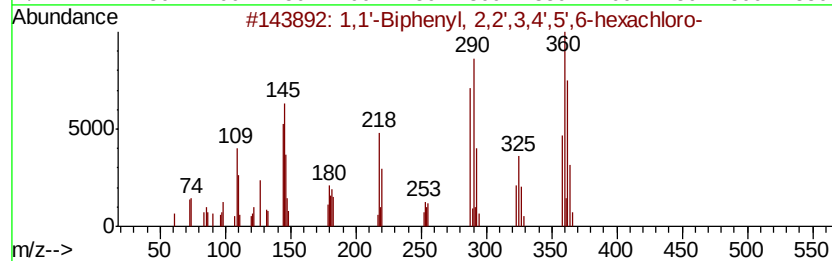
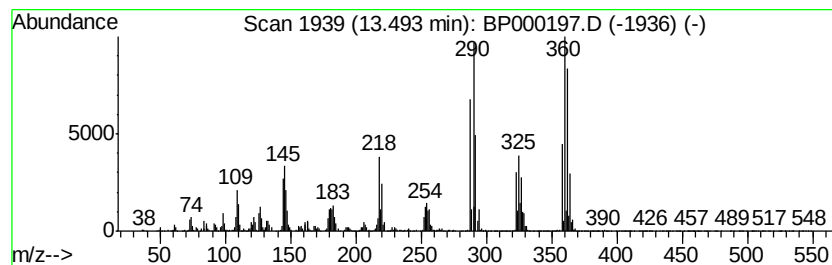
Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.49	2.45 ng/ul	361040	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99	
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99	
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99	
4	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99	
5	1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000197.D
Acq On : 11 Sep 2019 12:40
Operator : HP/JU
Sample : K4807-02
Misc : GCMS CONFIRMATION
ALS Vial : 33 Sample Multiplier: 1

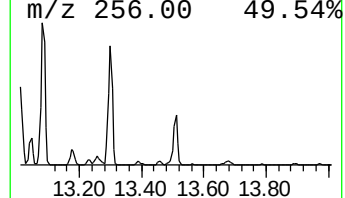
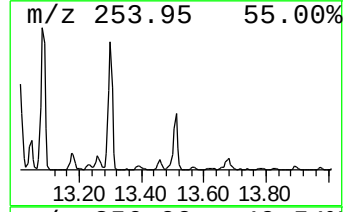
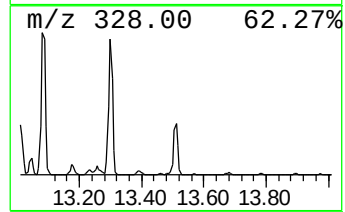
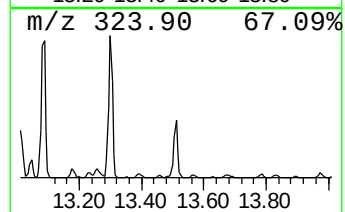
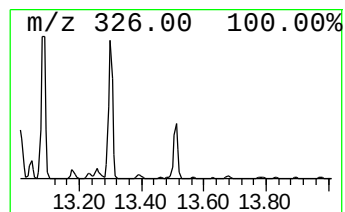
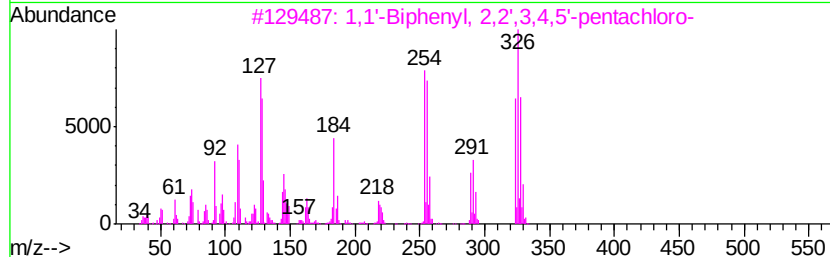
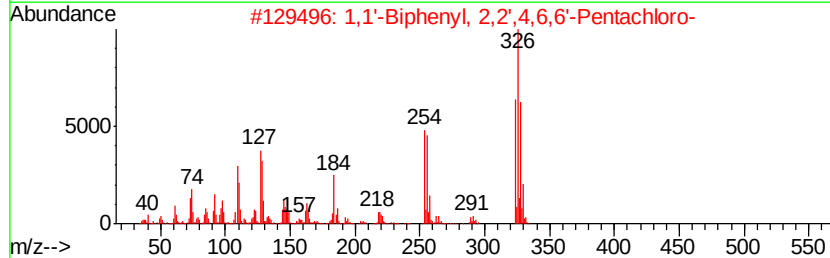
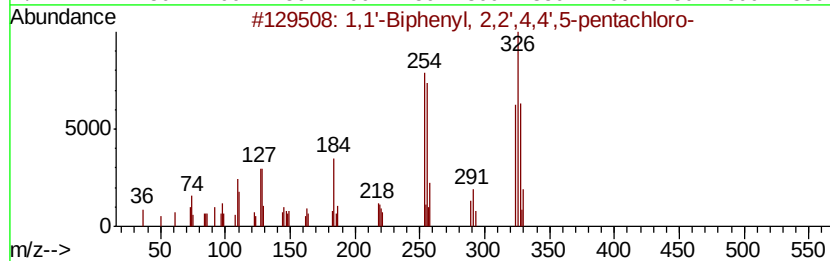
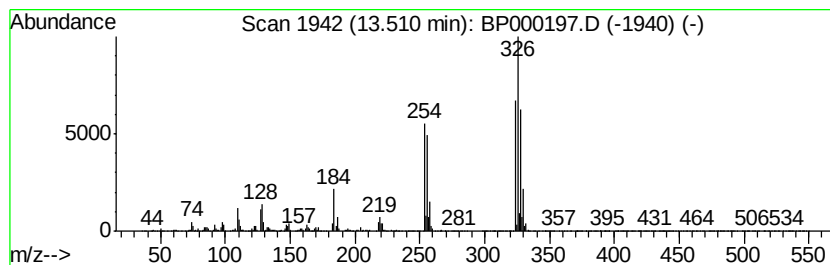
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.51	2.85 ng/ul	421363	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
2	1,1'	-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95
3	1,1'	-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	95
4	1,1'	-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
5	1,1'	-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000197.D
Acq On : 11 Sep 2019 12:40
Operator : HP/JU
Sample : K4807-02
Misc : GCMS CONFIRMATION
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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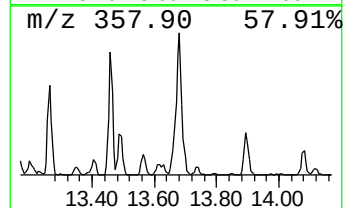
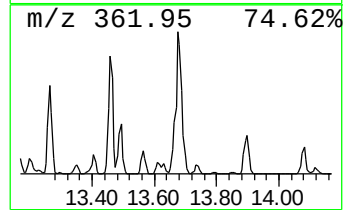
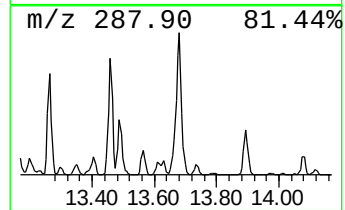
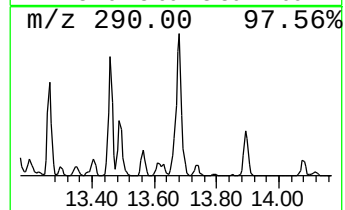
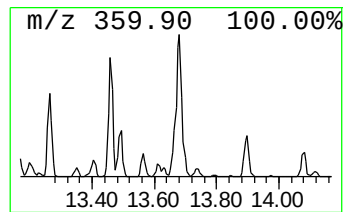
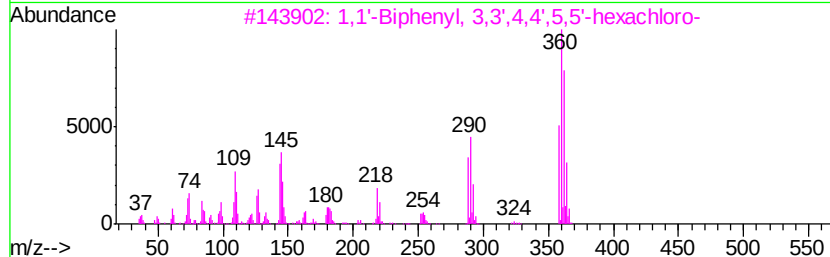
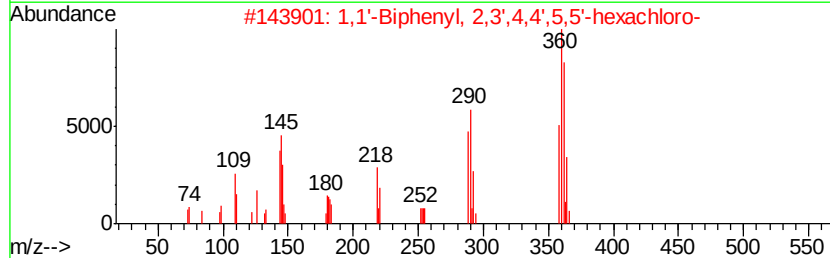
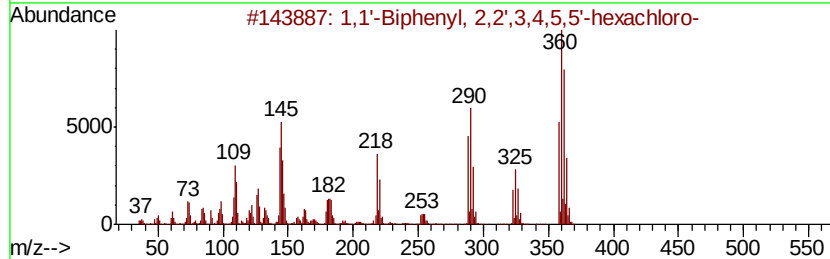
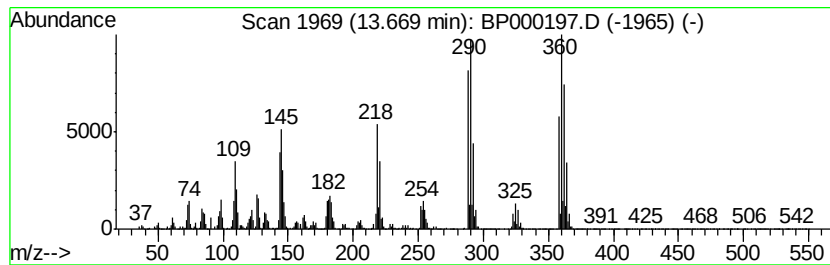
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	7.64 ng/ul	1127820	Chrysene-d12	14.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'	-Biphenyl,	2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
3	1,1'	-Biphenyl,	3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'	-Biphenyl,	2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
5	1,1'	-Biphenyl,	2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091019\
Data File : BP000197.D
Acq On : 11 Sep 2019 12:40
Operator : HP/JU
Sample : K4807-02
Misc : GCMS CONFIRMATION
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AS4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	2.22	2.2	ng/ul	182761	1	6.89	1681970	20.0
(DEL) Alkane: Str...	2.33	2.0	ng/ul	169313	1	6.89	1681970	20.0
(DEL) Alkane: Str...	2.60	6.0	ng/ul	503095	1	6.89	1681970	20.0
1,1'-Biphenyl, 2,...	12.08	3.8	ng/ul	577438	4	11.45	3023980	20.0
1,1'-Biphenyl, 2,...	12.79	9.5	ng/ul	1442800	4	11.45	3023980	20.0
1,1'-Biphenyl, 2,...	13.08	9.3	ng/ul	1365770	5	14.15	2952650	20.0
1,1'-Biphenyl, 3,...	13.46	4.4	ng/ul	649646	5	14.15	2952650	20.0
1,1'-Biphenyl, 2,...	13.49	2.5	ng/ul	361040	5	14.15	2952650	20.0
1,1'-Biphenyl, 2,...	13.51	2.9	ng/ul	421363	5	14.15	2952650	20.0
1,1'-Biphenyl, 2,...	13.67	7.6	ng/ul	1127820	5	14.15	2952650	20.0