

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
 Data File : BP000196.D
 Acq On : 11 Sep 2019 12:16
 Operator : HP/JU
 Sample : K4807-01
 Misc : GCMS CONFIRMATION
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AS3

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	2.140	6	9	13	rVB	79141	73364	2.46%	0.250%
2	2.217	17	22	37	rVB2	142491	197425	6.62%	0.674%
3	2.328	37	41	52	rBV	841719	1376514	46.14%	4.700%
4	2.452	58	62	72	rVB2	27437	43720	1.47%	0.149%
5	2.593	80	86	95	rVB	387494	517719	17.35%	1.768%
6	3.140	173	179	185	rVB2	23978	41553	1.39%	0.142%
7	4.011	321	327	334	rVB2	17605	28044	0.94%	0.096%
8	4.805	456	462	468	rVB	29403	33716	1.13%	0.115%
9	6.893	813	817	820	rBV	2114538	1639666	54.96%	5.598%
10	6.969	827	830	833	rVB	27472	20144	0.68%	0.069%
11	8.175	1031	1035	1039	rBV	2709398	2211691	74.13%	7.551%
12	9.351	1228	1235	1239	rBV	39128	39773	1.33%	0.136%
13	9.946	1332	1336	1340	rBV	3265383	2724028	91.31%	9.301%
14	11.251	1555	1558	1563	rBV	50260	55404	1.86%	0.189%
15	11.451	1588	1592	1595	rBV	3376700	2983414	100.00%	10.186%
16	11.804	1648	1652	1654	rBV	33757	38763	1.30%	0.132%
17	12.081	1695	1699	1702	rBV	654114	536471	17.98%	1.832%
18	12.116	1702	1705	1707	rVV	144634	117055	3.92%	0.400%
19	12.140	1707	1709	1712	rVB4	31185	29928	1.00%	0.102%
20	12.251	1725	1728	1731	rBV	259012	208881	7.00%	0.713%
21	12.357	1744	1746	1749	rVB	85770	72490	2.43%	0.248%
22	12.557	1776	1780	1782	rBV	84784	86058	2.88%	0.294%
23	12.604	1782	1788	1794	rVB2	920503	1136095	38.08%	3.879%
24	12.657	1794	1797	1800	rBV	134438	116071	3.89%	0.396%
25	12.740	1808	1811	1815	rBV2	218651	224875	7.54%	0.768%
26	12.787	1815	1819	1823	rVV	1134766	1227058	41.13%	4.190%
27	12.828	1823	1826	1831	rVB	435500	396881	13.30%	1.355%
28	12.910	1838	1840	1844	rVB2	58743	55162	1.85%	0.188%
29	12.957	1845	1848	1852	rVV	338630	313795	10.52%	1.071%
30	13.010	1853	1857	1860	rVV	600281	527921	17.70%	1.802%
31	13.045	1860	1863	1865	rVV	181565	179567	6.02%	0.613%
32	13.081	1865	1869	1873	rVB	1222017	1169724	39.21%	3.994%
33	13.175	1881	1885	1887	rBV2	153111	196944	6.60%	0.672%
34	13.198	1887	1889	1892	rVV2	83314	96635	3.24%	0.330%

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35	13.228	1892	1894	1896	rVV2	53208	45769	1.53%	0.156%
36	13.263	1896	1900	1903	rVV	505919	496974	16.66%	1.697%
37	13.298	1903	1906	1910	rVB	1021628	899125	30.14%	3.070%
38	13.345	1912	1914	1918	rVB2	58545	57662	1.93%	0.197%
39	13.404	1918	1924	1927	rVB2	97707	144589	4.85%	0.494%
40	13.457	1929	1933	1936	rBV	597210	557952	18.70%	1.905%
41	13.487	1936	1938	1940	rVV	276502	272950	9.15%	0.932%
42	13.510	1940	1942	1946	rVB	381105	332590	11.15%	1.136%
43	13.563	1947	1951	1955	rVB2	139465	142659	4.78%	0.487%
44	13.610	1956	1959	1960	rBV2	61383	57346	1.92%	0.196%
45	13.675	1965	1970	1976	rVV	744413	997635	33.44%	3.406%
46	13.734	1978	1980	1983	rVV2	49920	44528	1.49%	0.152%
47	13.781	1986	1988	1993	rVB3	42661	43003	1.44%	0.147%
48	13.828	1994	1996	2002	rVB5	27957	31569	1.06%	0.108%
49	13.892	2003	2007	2011	rBV2	231332	232423	7.79%	0.794%
50	13.975	2018	2021	2024	rBV3	50117	49393	1.66%	0.169%
51	14.075	2036	2038	2042	rVB	88530	88827	2.98%	0.303%
52	14.145	2046	2050	2055	rVV	2757751	2951751	98.94%	10.078%
53	14.187	2055	2057	2062	rVB2	101530	99349	3.33%	0.339%
54	14.363	2085	2087	2091	rVB	60916	63057	2.11%	0.215%
55	14.410	2092	2095	2099	rVB4	62617	68531	2.30%	0.234%
56	15.698	2307	2314	2325	rVB	1836306	2894240	97.01%	9.882%

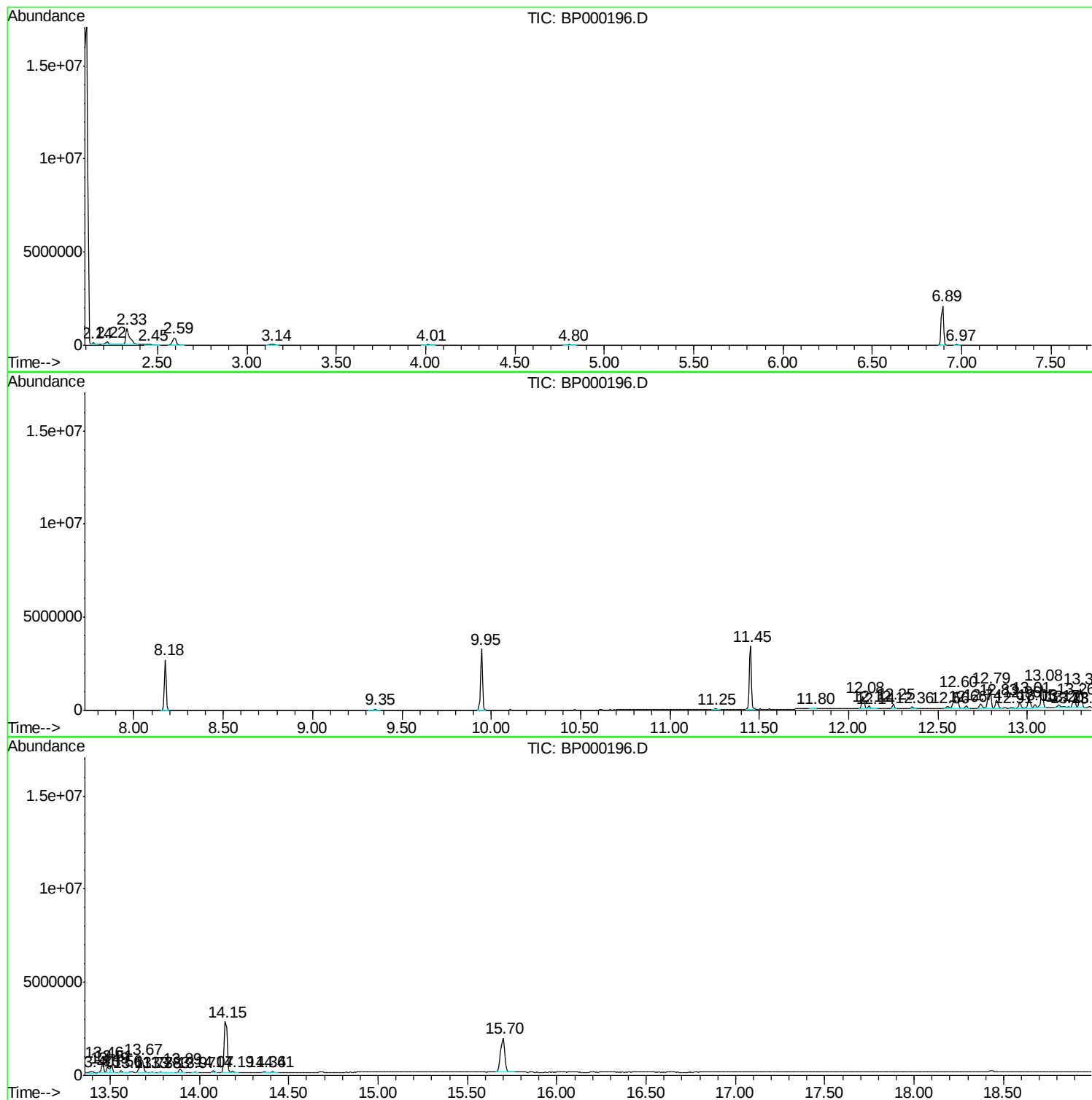
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Quant Title : SVOA CALIBRATION

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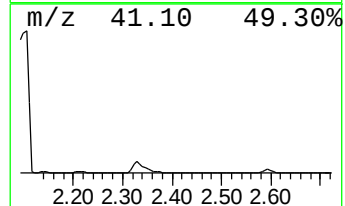
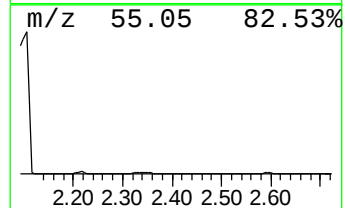
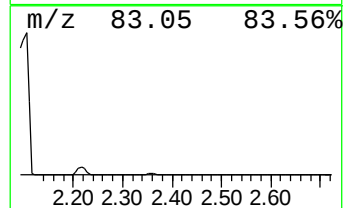
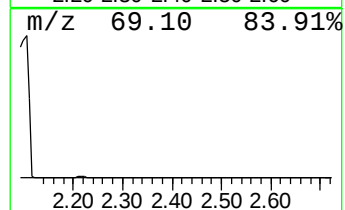
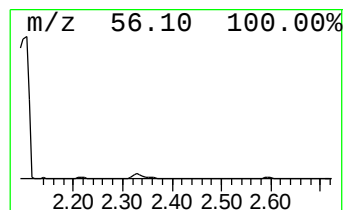
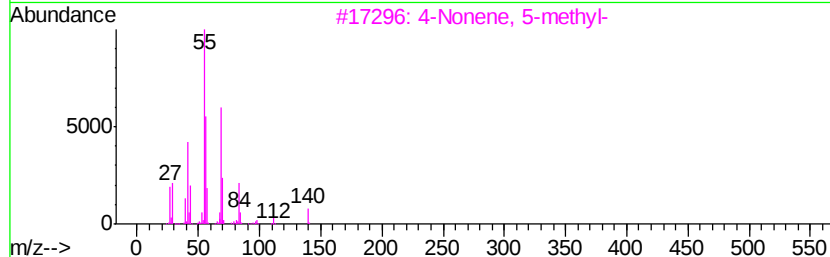
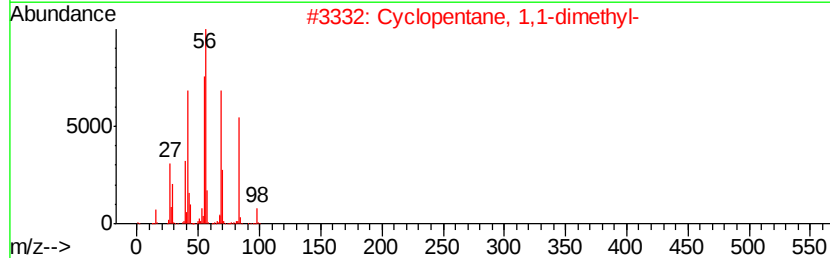
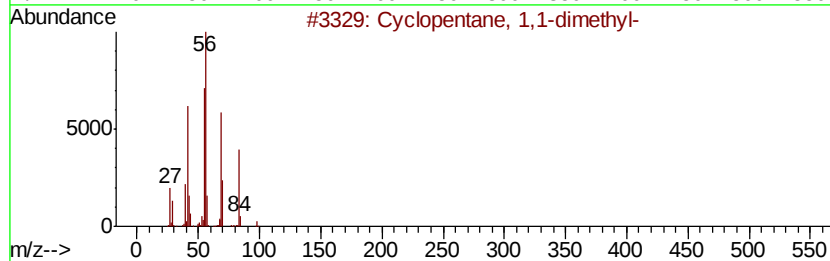
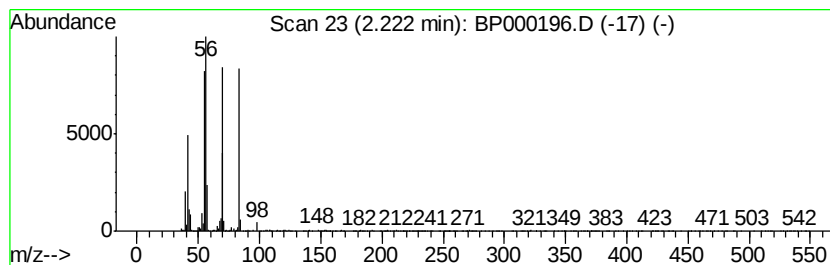
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Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic2.22 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	2.41 ng/ul	197425	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	64
2		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	59
3		4-Nonene, 5-methyl-	140	C10H20	015918-07-7	53
4		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	35
5		Cyclohexane, azido-	125	C6H11N3	019573-22-9	27



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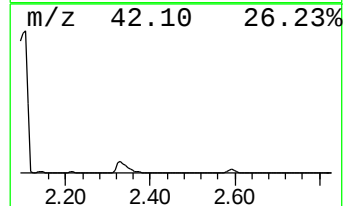
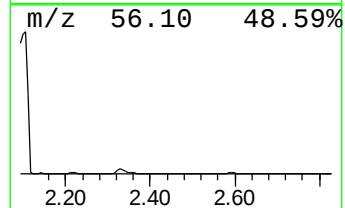
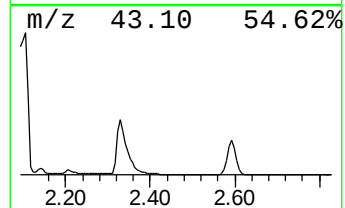
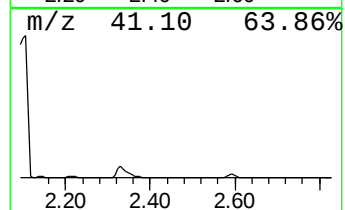
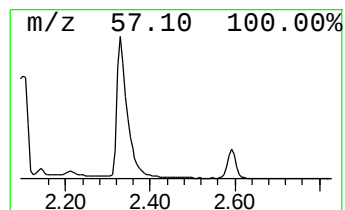
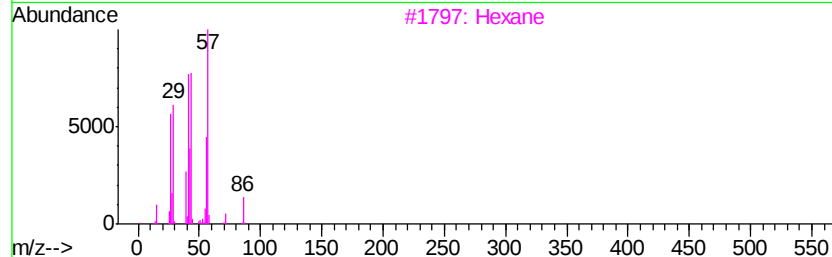
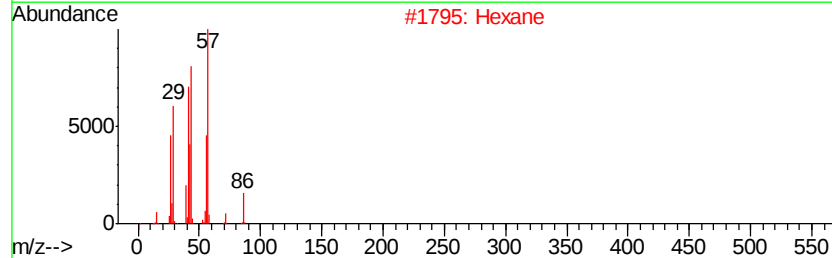
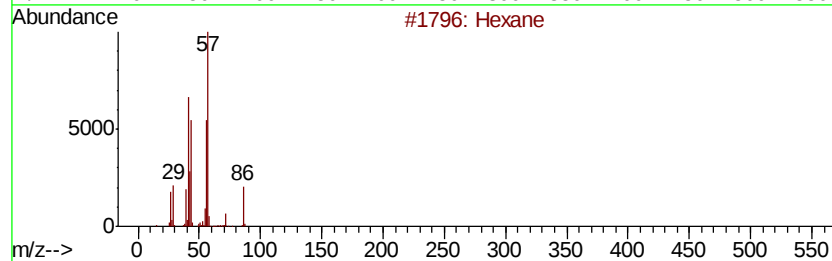
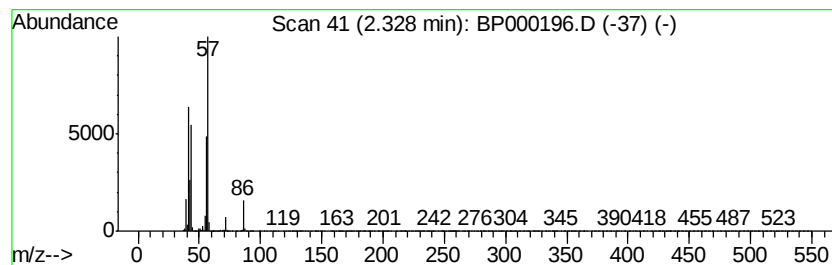
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	16.79 ng/ul	1376510	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	74
3	Hexane		86	C6H14	000110-54-3	64
4	1-Pentene, 4-methyl-		84	C6H12	000691-37-2	43
5	Pentane, 2,2,3,4-tetramethyl-		128	C9H20	001186-53-4	40



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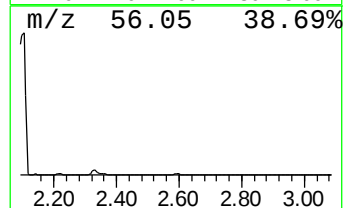
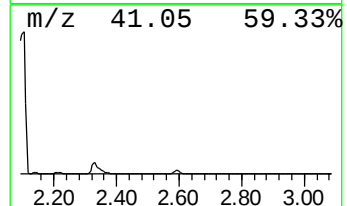
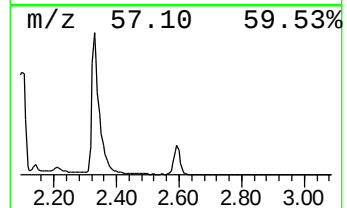
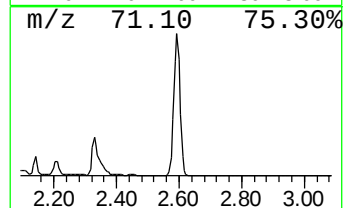
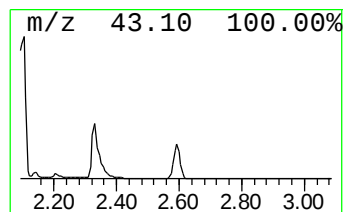
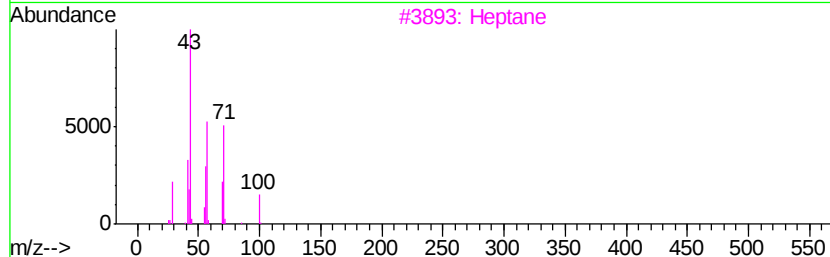
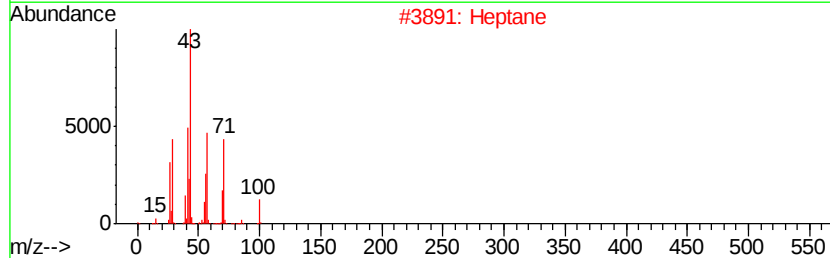
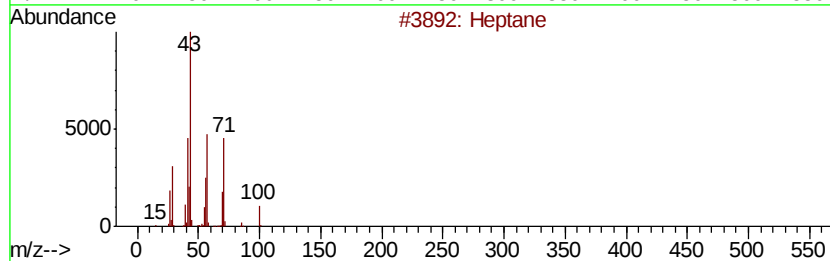
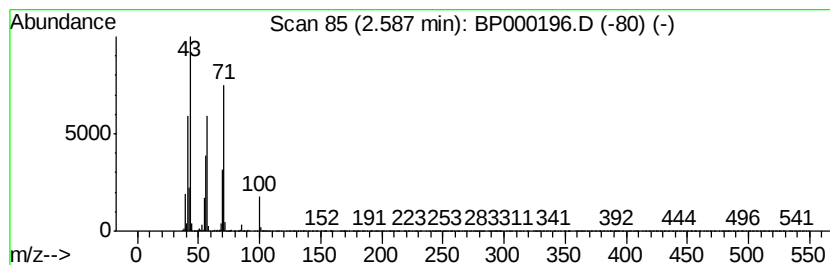
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	6.31 ng/ul	517719	1,4-Dichlorobenzene-d4	6.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	94
2	Heptane			100	C7H16	000142-82-5	91
3	Heptane			100	C7H16	000142-82-5	91
4	Heptane			100	C7H16	000142-82-5	91
5	Hexane, 3-methyl-			100	C7H16	000589-34-4	45



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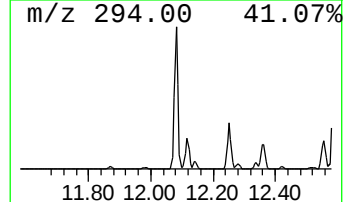
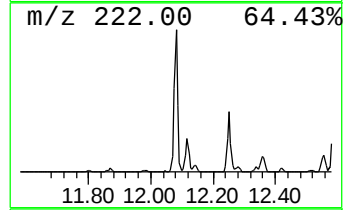
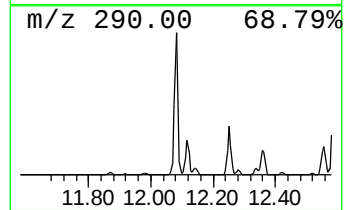
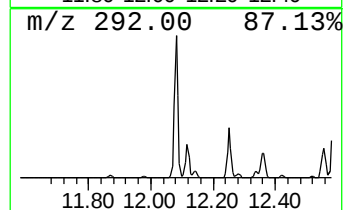
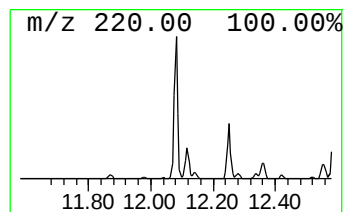
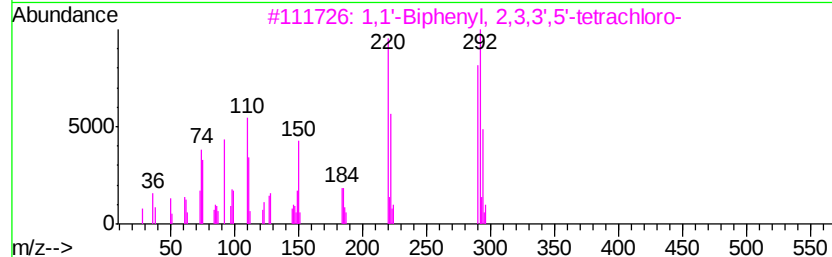
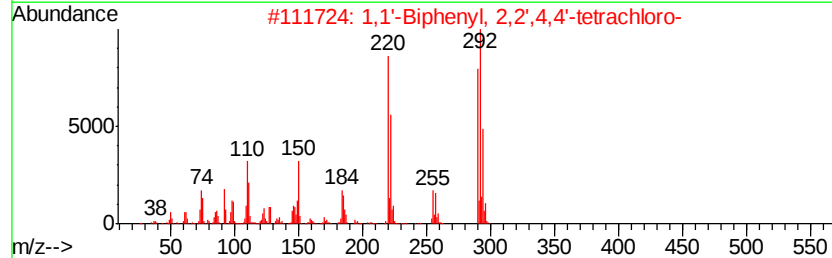
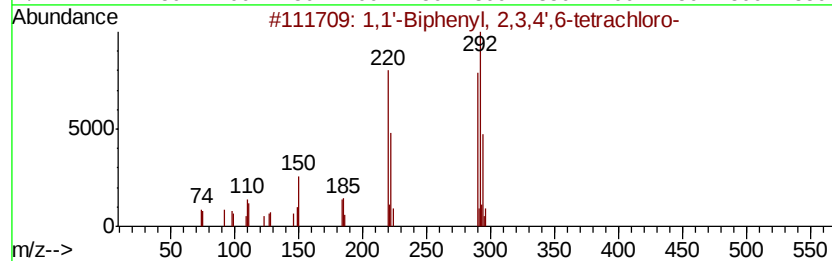
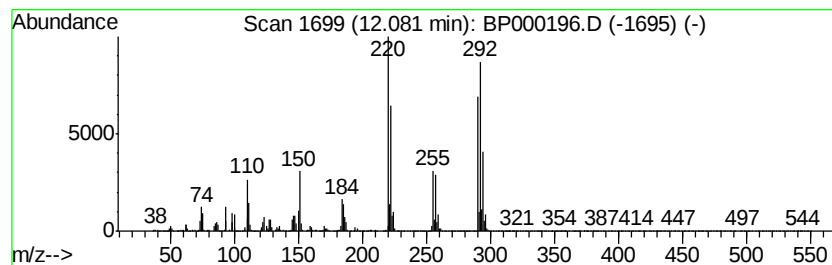
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	3.60 ng/ul	536471	Phenanthrene-d10	11.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3		1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99



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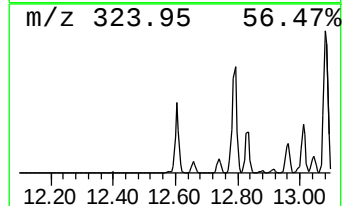
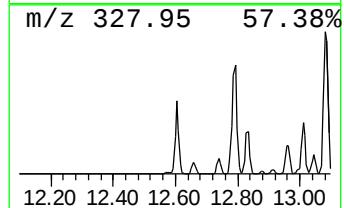
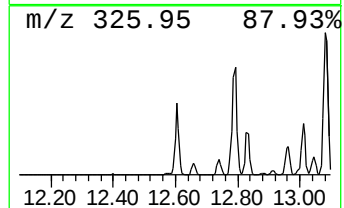
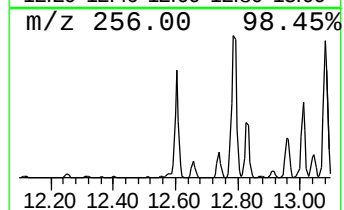
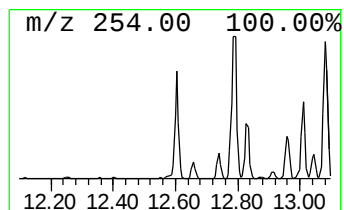
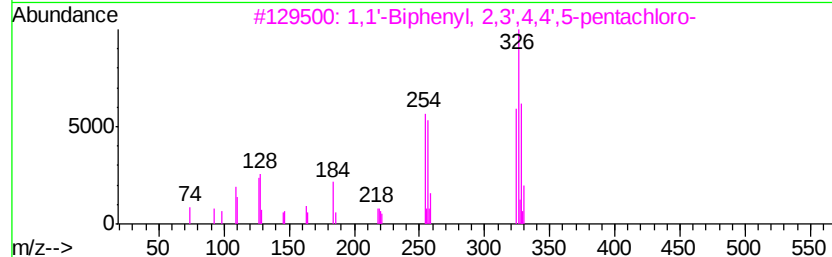
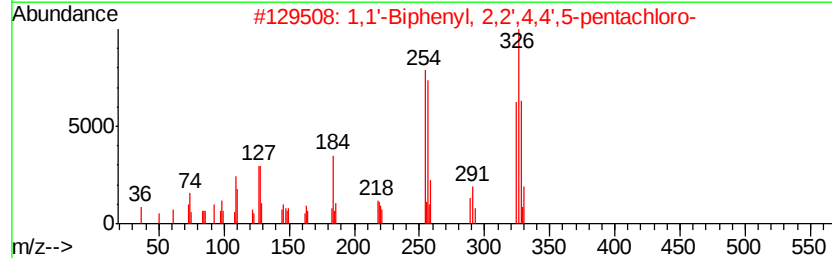
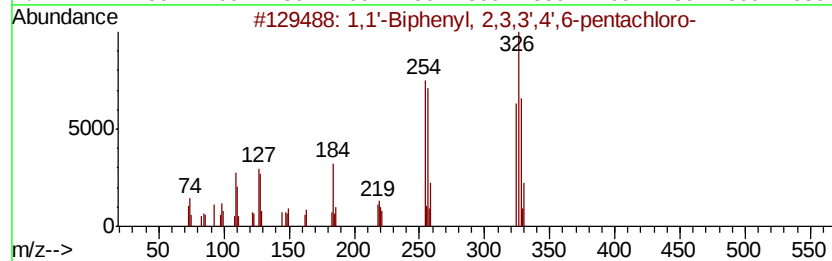
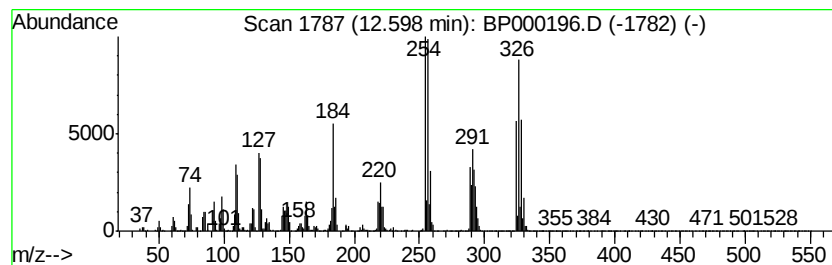
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BNA_P
ClientSampleId :
C0AS3

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 5 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.60	7.62 ng/ul	1136100	Phenanthrene-d10	11.45	
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',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000196.D
Acq On : 11 Sep 2019 12:16
Operator : HP/JU
Sample : K4807-01
Misc : GCMS CONFIRMATION
ALS Vial : 32 Sample Multiplier: 1

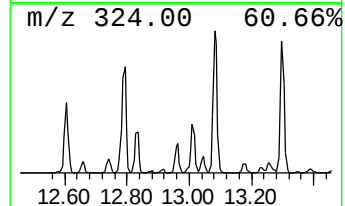
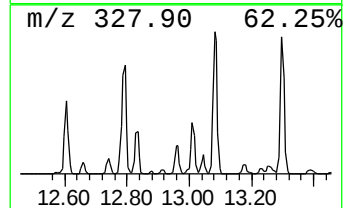
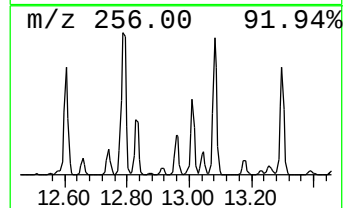
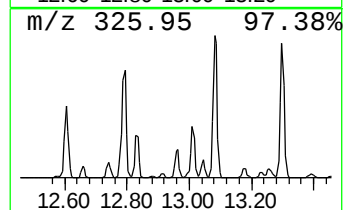
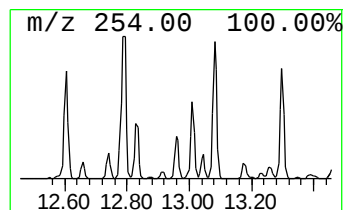
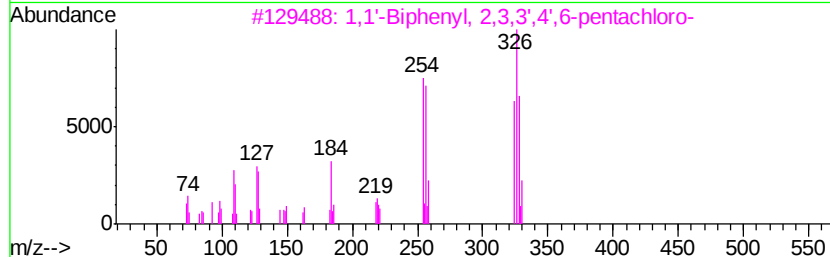
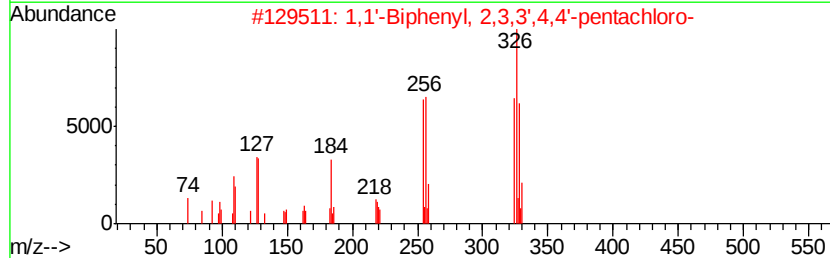
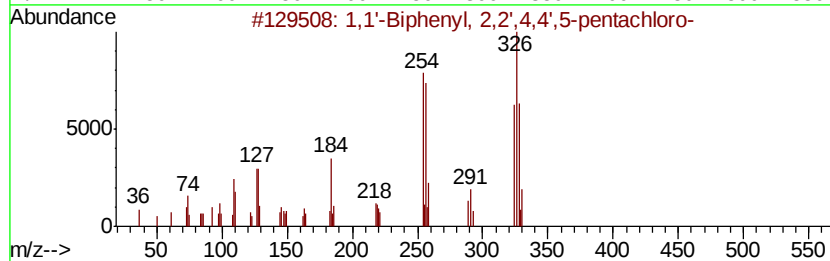
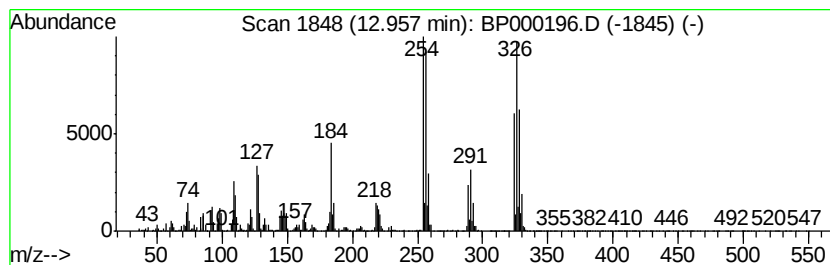
Instrument :
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ClientSampleId :
C0AS3

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 8 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.13 ng/ul	313795	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	99
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324 C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324 C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324 C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324 C12H5Cl5	041464-51-1	99



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000196.D
Acq On : 11 Sep 2019 12:16
Operator : HP/JU
Sample : K4807-01
Misc : GCMS CONFIRMATION
ALS Vial : 32 Sample Multiplier: 1

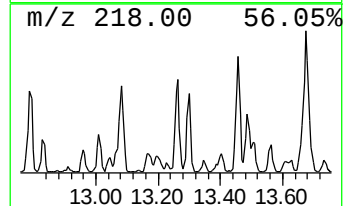
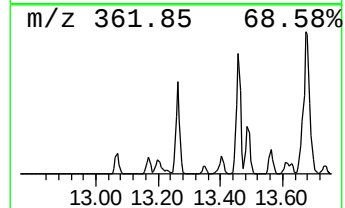
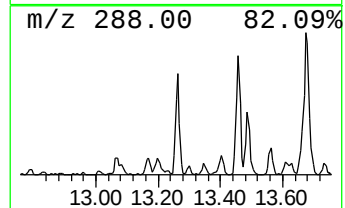
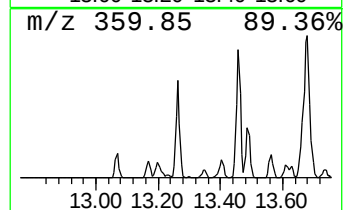
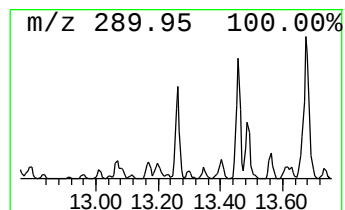
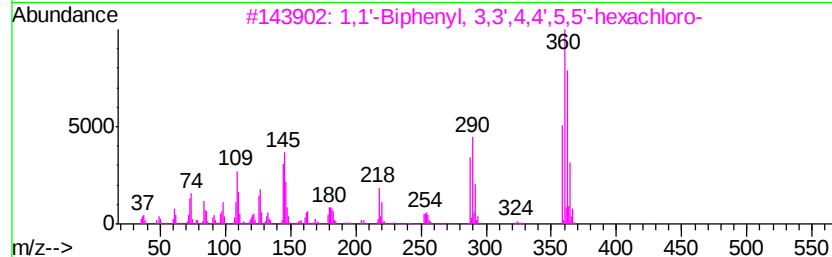
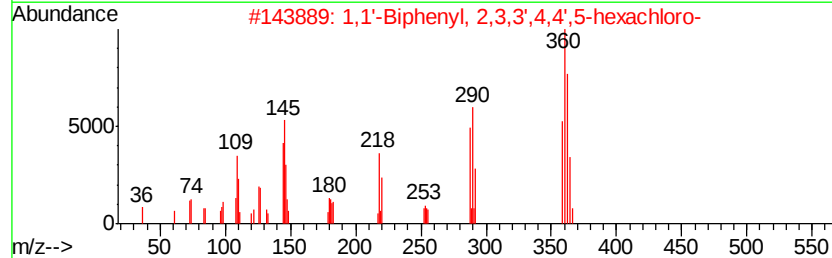
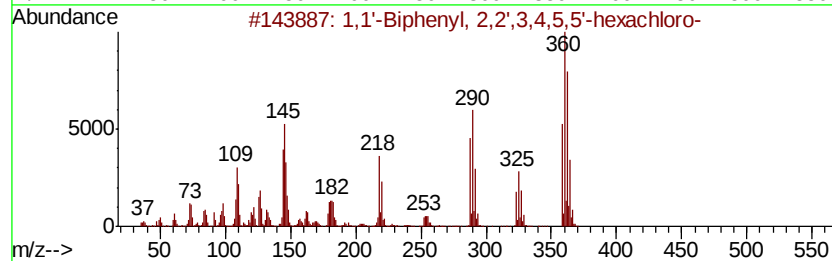
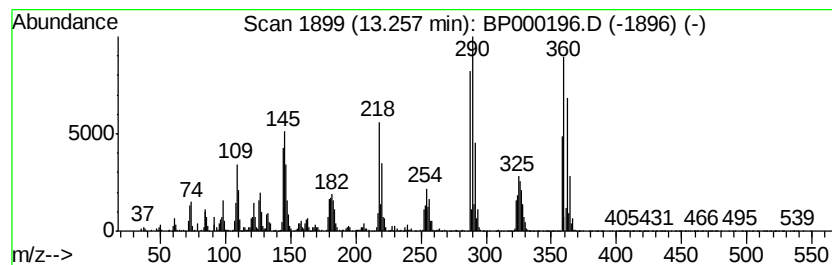
Instrument :
BNA_P
ClientSampleId :
C0AS3

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 11 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.26	3.37 ng/ul	496974	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	2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl	3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl	2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	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 : BP000196.D
Acq On : 11 Sep 2019 12:16
Operator : HP/JU
Sample : K4807-01
Misc : GCMS CONFIRMATION
ALS Vial : 32 Sample Multiplier: 1

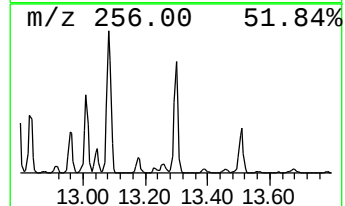
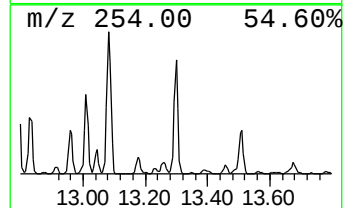
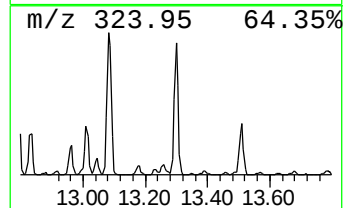
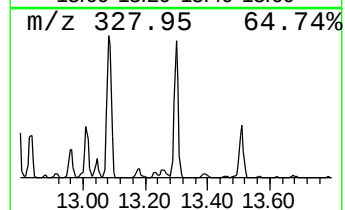
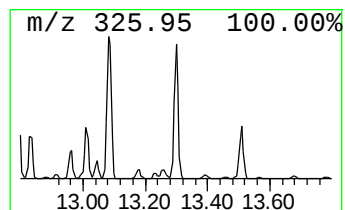
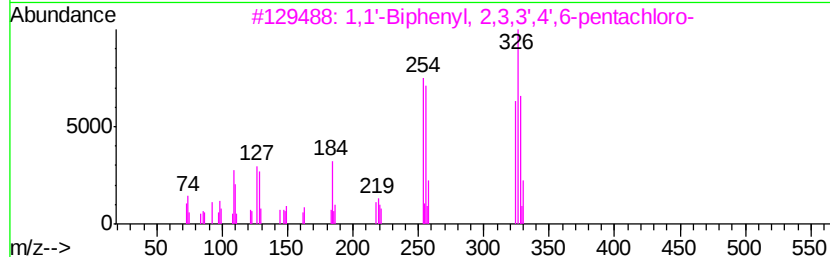
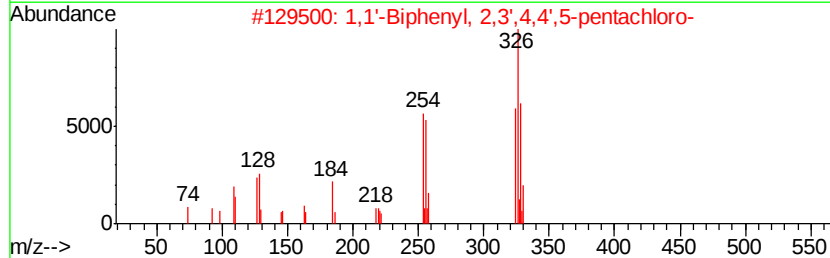
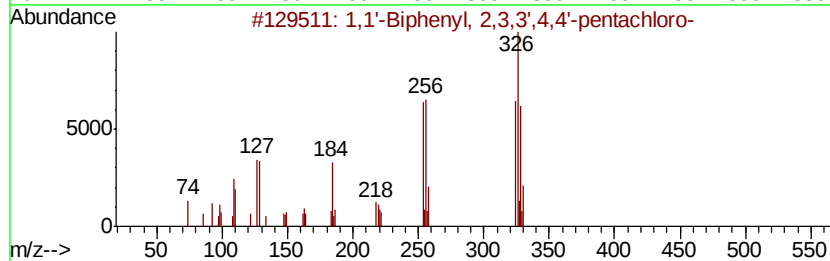
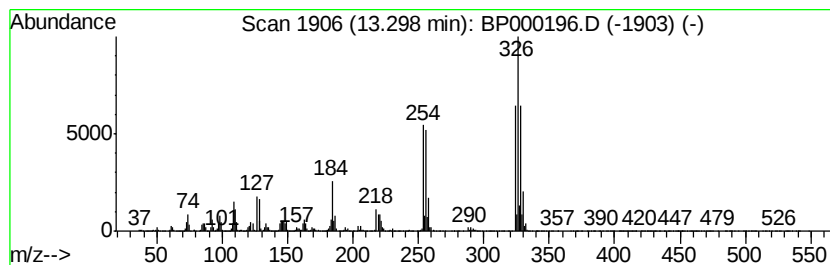
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.30	6.09 ng/ul	899125	Chrysene-d12	14.15		
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,	2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3	1,1'-Biphenyl,	2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl,	2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl,	2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000196.D
Acq On : 11 Sep 2019 12:16
Operator : HP/JU
Sample : K4807-01
Misc : GCMS CONFIRMATION
ALS Vial : 32 Sample Multiplier: 1

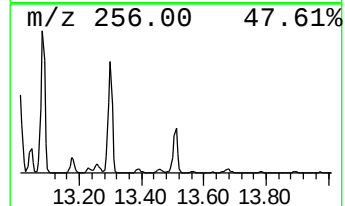
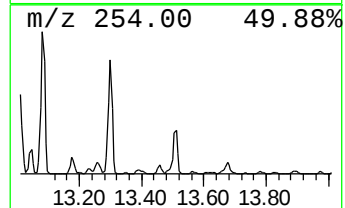
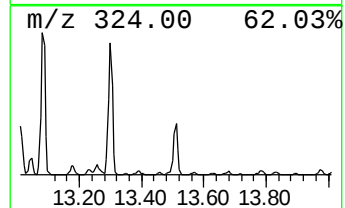
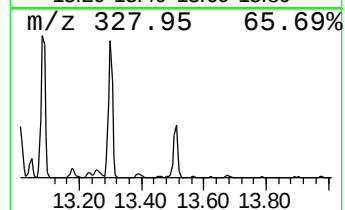
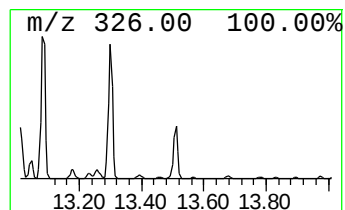
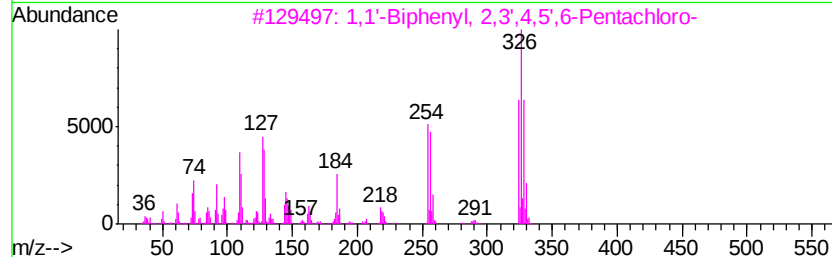
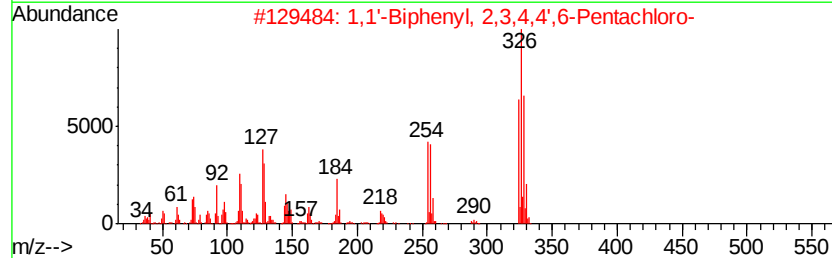
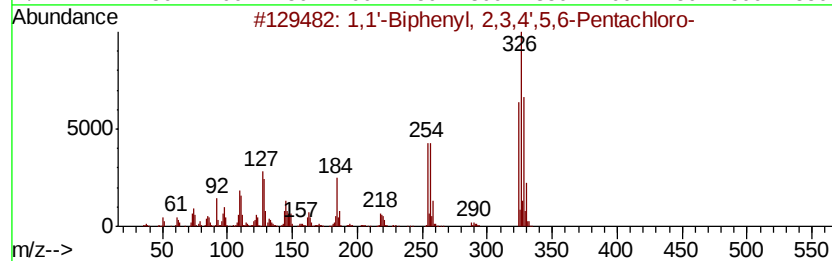
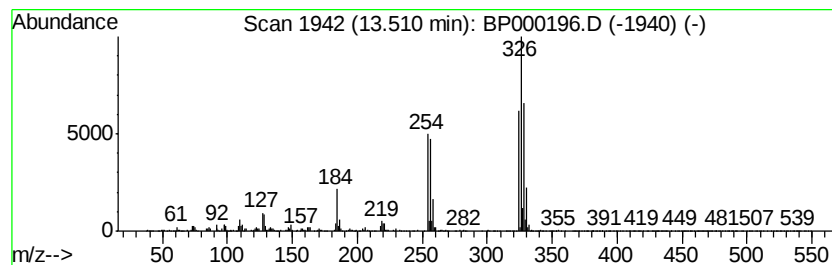
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,3,4',5,6-P... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.			
13.51	2.25 ng/ul	332590	Chrysene-d12	14.15			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
2	1,1'	-Biphenyl,	2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95
3	1,1'	-Biphenyl,	2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
4	1,1'	-Biphenyl,	2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95
5	1,1'	-Biphenyl,	2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\
Data File : BP000196.D
Acq On : 11 Sep 2019 12:16
Operator : HP/JU
Sample : K4807-01
Misc : GCMS CONFIRMATION
ALS Vial : 32 Sample Multiplier: 1

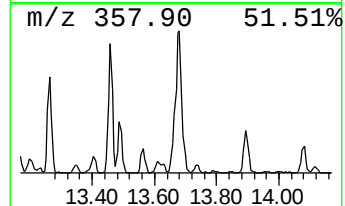
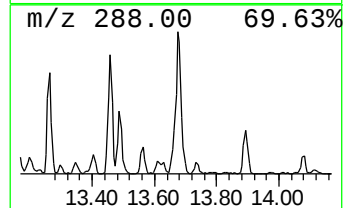
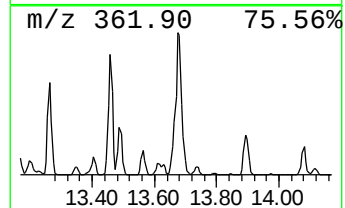
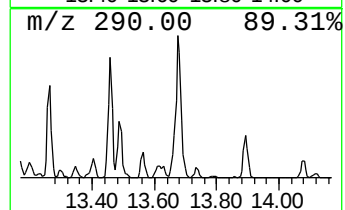
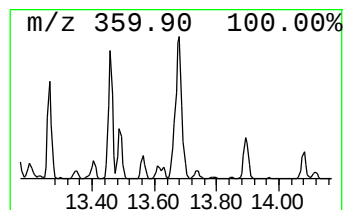
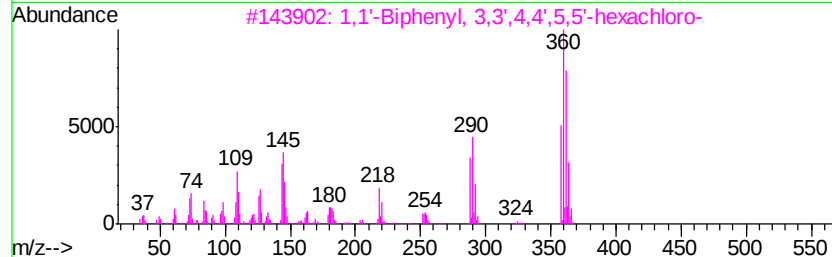
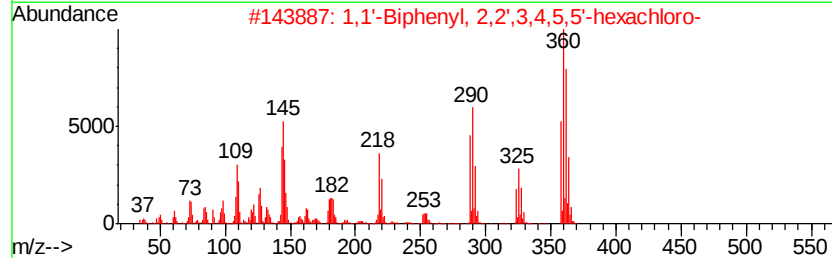
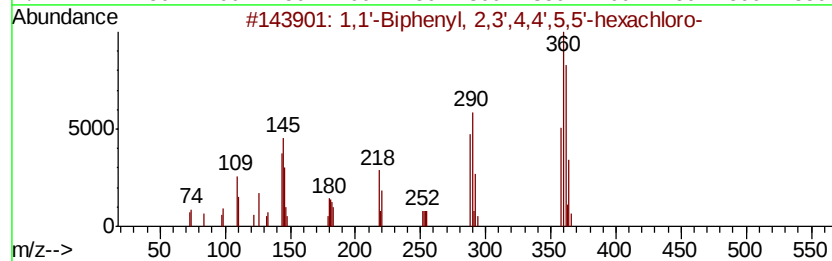
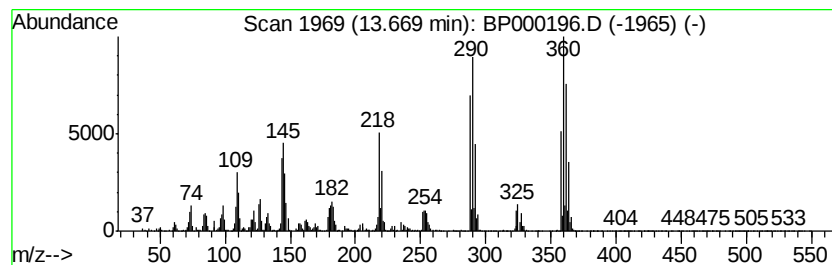
Instrument :
BNA_P
ClientSampleId :
C0AS3

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, 2,3',4,4',5,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.67	6.76 ng/ul	997635	Chrysene-d12	14.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	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, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
5	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091019\
Data File : BP000196.D
Acq On : 11 Sep 2019 12:16
Operator : HP/JU
Sample : K4807-01
Misc : GCMS CONFIRMATION
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AS3

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	2.4	ng/ul	197425	1	6.89	1639670	20.0
Hexane	2.33	16.8	ng/ul	1376510	1	6.89	1639670	20.0
(DEL) Alkane: Str...	2.59	6.3	ng/ul	517719	1	6.89	1639670	20.0
1,1'-Biphenyl, 2,...	12.08	3.6	ng/ul	536471	4	11.45	2983410	20.0
1,1'-Biphenyl, 2,...	12.60	7.6	ng/ul	1136100	4	11.45	2983410	20.0
1,1'-Biphenyl, 2,...	12.96	2.1	ng/ul	313795	5	14.15	2951750	20.0
1,1'-Biphenyl, 2,...	13.26	3.4	ng/ul	496974	5	14.15	2951750	20.0
1,1'-Biphenyl, 2,...	13.30	6.1	ng/ul	899125	5	14.15	2951750	20.0
1,1'-Biphenyl, 2,...	13.51	2.3	ng/ul	332590	5	14.15	2951750	20.0
1,1'-Biphenyl, 2,...	13.67	6.8	ng/ul	997635	5	14.15	2951750	20.0