

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
 Data File : BF114748.D
 Acq On : 1 Jun 2019 11:20
 Operator : HP/JU
 Sample : K3109-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % 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_F\METHODS\8270-BF052919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.269	194	201	209	rVB	96448	175895	1.03%	0.166%
2	4.251	360	368	371	rBV	5380225	7510878	43.91%	7.071%
3	4.928	466	483	485	rBV	6752521	17103917	100.00%	16.102%
4	5.922	649	652	656	rBV	219237	180914	1.06%	0.170%
5	6.316	715	719	732	rVB	2474302	2264898	13.24%	2.132%
6	6.457	738	743	746	rBV	380720	340839	1.99%	0.321%
7	6.692	779	783	786	rBV	3305029	2681663	15.68%	2.525%
8	6.763	791	795	799	rBV	1333306	1208539	7.07%	1.138%
9	6.851	806	810	813	rVB	7675658	6764721	39.55%	6.368%
10	7.251	870	878	881	rBV	4961406	5587683	32.67%	5.260%
11	7.869	979	983	987	rBV5	186955	362413	2.12%	0.341%
12	7.922	987	992	997	rVV3	241243	470805	2.75%	0.443%
13	7.975	997	1001	1004	rVB	4175591	3532129	20.65%	3.325%
14	8.145	1025	1030	1032	rBV3	186857	265792	1.55%	0.250%
15	9.051	1176	1184	1187	rBV	10114996	9961075	58.24%	9.377%
16	9.439	1246	1250	1253	rBV	1468156	1169545	6.84%	1.101%
17	9.722	1292	1298	1301	rBV	4171142	3997684	23.37%	3.763%
18	10.169	1370	1374	1376	rBV	311289	233324	1.36%	0.220%
19	10.639	1450	1454	1460	rBV	777075	863143	5.05%	0.813%
20	10.692	1460	1463	1466	rVV	212216	189244	1.11%	0.178%
21	10.728	1466	1469	1472	rVV2	230778	257700	1.51%	0.243%
22	10.757	1472	1474	1476	rVV2	218006	191725	1.12%	0.180%
23	10.839	1481	1488	1490	rVV3	171847	314265	1.84%	0.296%
24	10.869	1490	1493	1496	rVV3	279540	296135	1.73%	0.279%
25	10.904	1496	1499	1501	rVV	214829	209137	1.22%	0.197%
26	10.945	1504	1506	1512	rVV3	151261	206980	1.21%	0.195%
27	11.086	1526	1530	1532	rVV	1222003	986147	5.77%	0.928%
28	11.116	1532	1535	1541	rVB2	400722	402060	2.35%	0.379%
29	11.192	1544	1548	1550	rVV	4560779	3946078	23.07%	3.715%
30	11.216	1550	1552	1555	rVV	1523882	1097249	6.42%	1.033%
31	11.263	1557	1560	1564	rVB	358022	337487	1.97%	0.318%
32	11.416	1584	1586	1592	rVV2	148429	193746	1.13%	0.182%
33	11.510	1599	1602	1608	rVV	736155	619894	3.62%	0.584%
34	11.722	1635	1638	1639	rBV	308403	321103	1.88%	0.302%

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35	11.810	1649	1653	1658	rBV4	707722	1059571	6.19%	0.997%
36	11.916	1668	1671	1675	rBV	832812	684914	4.00%	0.645%
37	11.980	1679	1682	1684	rBV2	408802	404745	2.37%	0.381%
38	12.039	1690	1692	1694	rBV	241033	173448	1.01%	0.163%
39	12.069	1694	1697	1698	rBV2	234165	236027	1.38%	0.222%
40	12.198	1716	1719	1724	rBV	350401	386144	2.26%	0.364%
41	12.239	1724	1726	1728	rBV	279038	262052	1.53%	0.247%
42	12.304	1734	1737	1739	rBV2	1196403	1153596	6.74%	1.086%
43	12.374	1746	1749	1750	rBV	505887	383213	2.24%	0.361%
44	12.398	1750	1753	1758	rVB	1238093	1255646	7.34%	1.182%
45	12.451	1758	1762	1767	rBV2	520495	1061632	6.21%	0.999%
46	12.504	1768	1771	1776	rBV2	1009433	1652567	9.66%	1.556%
47	12.545	1776	1778	1781	rVB2	564089	483607	2.83%	0.455%
48	12.622	1787	1791	1793	rVB	1069254	1059812	6.20%	0.998%
49	12.645	1793	1795	1797	rBV	347269	253931	1.48%	0.239%
50	12.674	1797	1800	1803	rBV2	1007566	949731	5.55%	0.894%
51	12.780	1813	1818	1828	rVB	7849649	9396926	54.94%	8.846%
52	12.880	1832	1835	1837	rBV3	532055	589155	3.44%	0.555%
53	12.963	1847	1849	1853	rVB3	679573	637100	3.72%	0.600%
54	12.998	1853	1855	1857	rBV	992174	796026	4.65%	0.749%
55	13.151	1879	1881	1885	rBV	1160906	1297164	7.58%	1.221%
56	13.369	1915	1918	1921	rVB2	1058964	1102623	6.45%	1.038%
57	13.686	1969	1972	1976	rBV2	872919	1174405	6.87%	1.106%
58	13.816	1990	1994	1997	rBV	2815340	3274601	19.15%	3.083%
59	15.210	2228	2231	2235	rVB	2012009	2250619	13.16%	2.119%

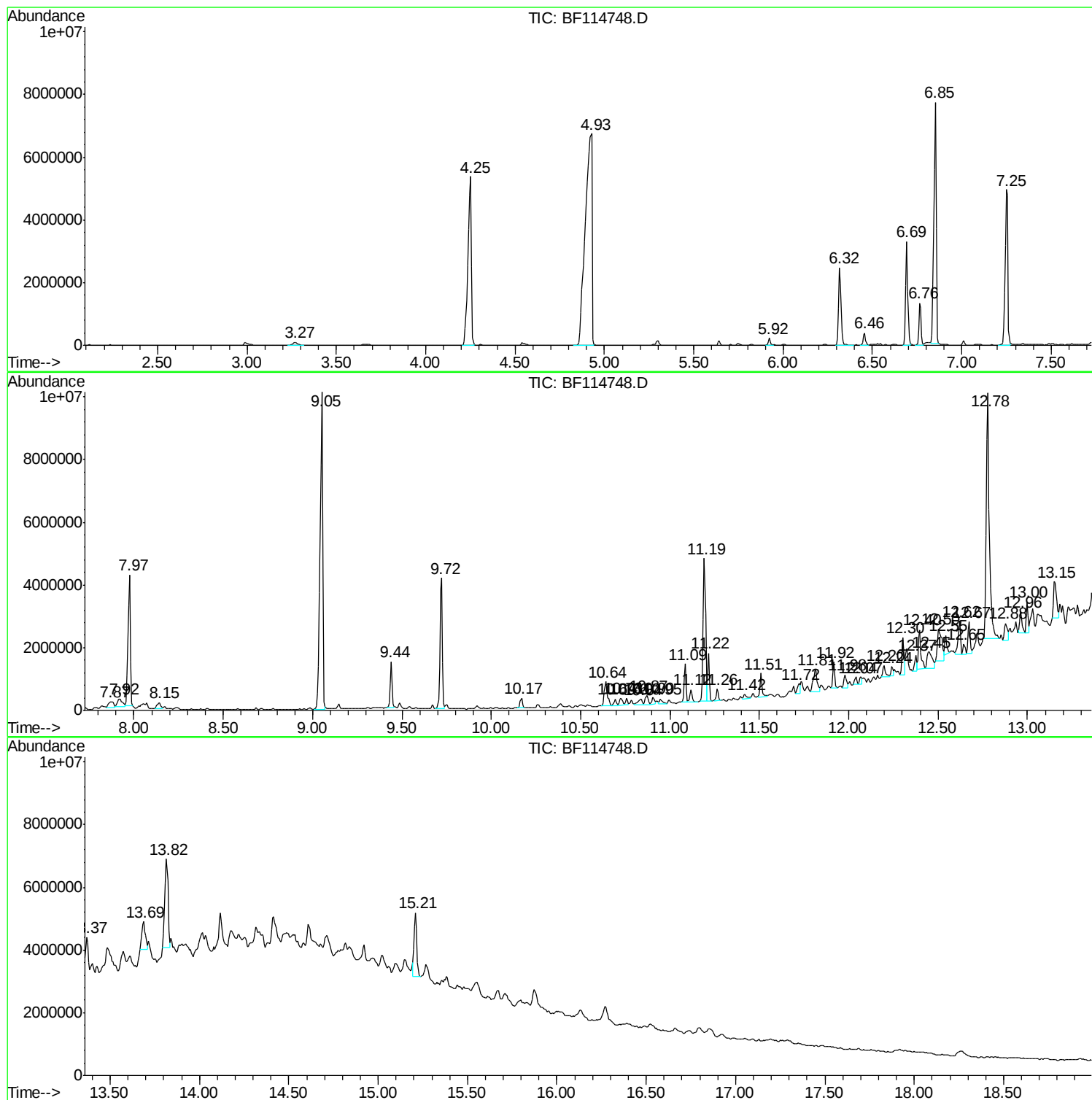
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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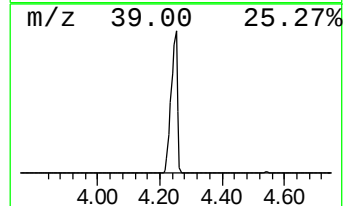
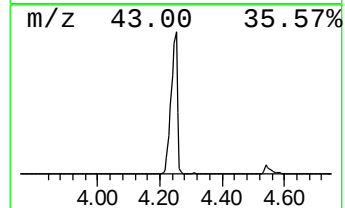
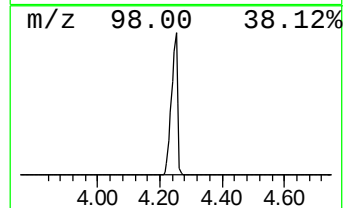
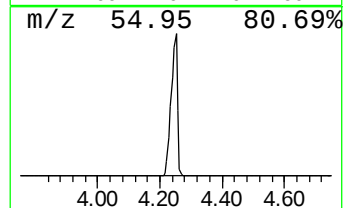
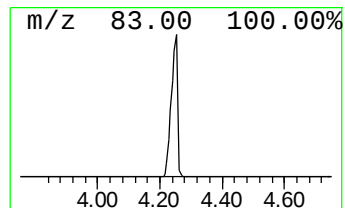
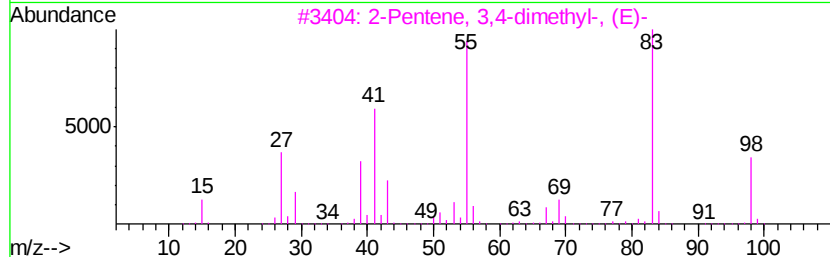
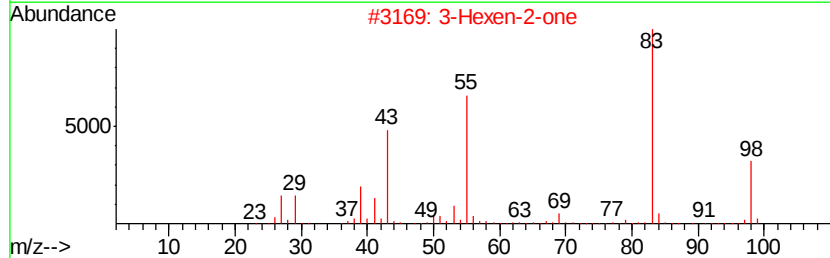
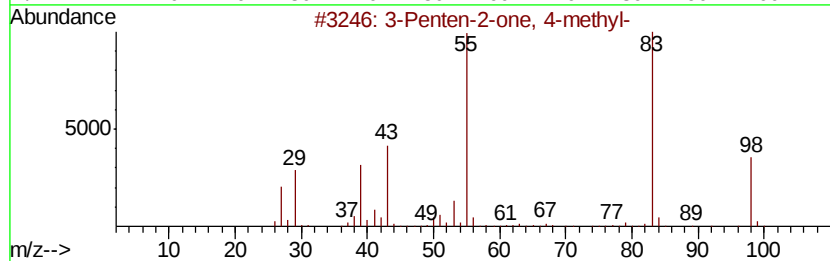
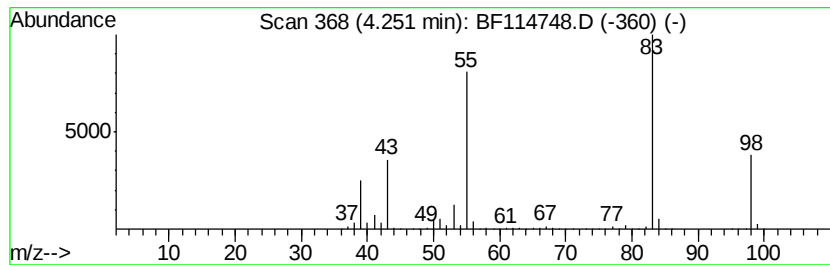
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	56.02 ng	7510880	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2		3-Hexen-2-one	98	C6H10O	000763-93-9	91
3		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86



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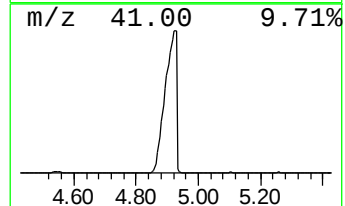
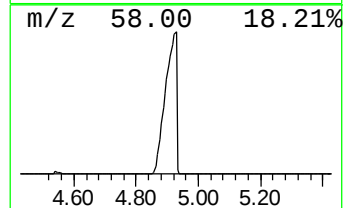
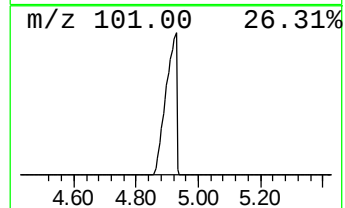
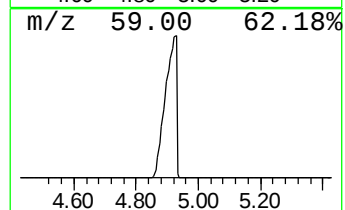
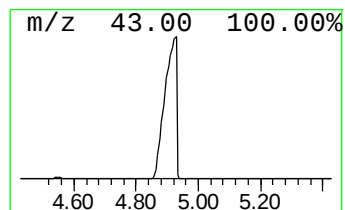
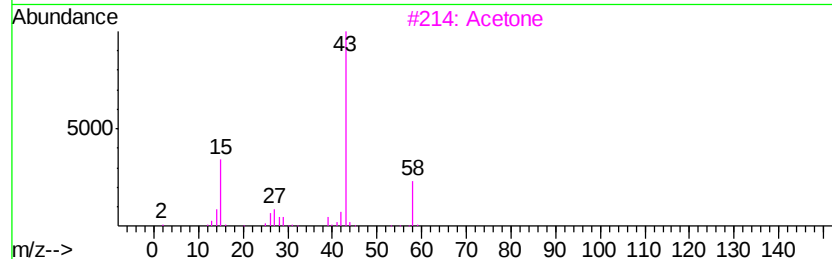
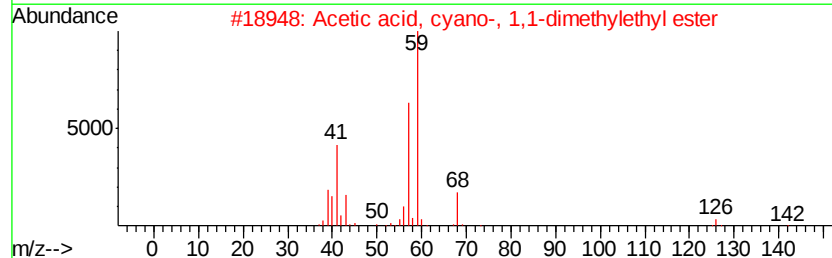
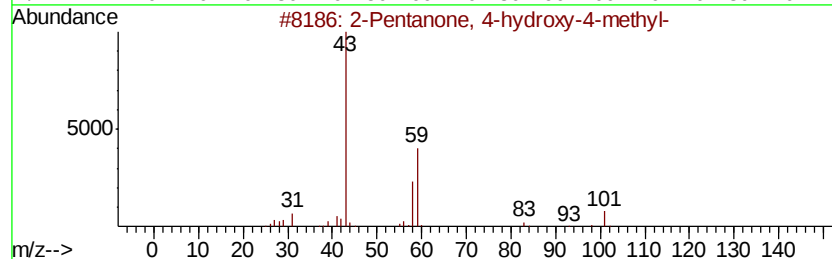
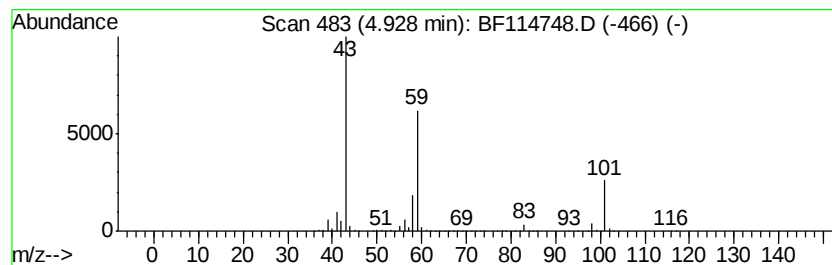
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	127.56 ng	17103900	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		Acetone	58	C3H6O	000067-64-1	10
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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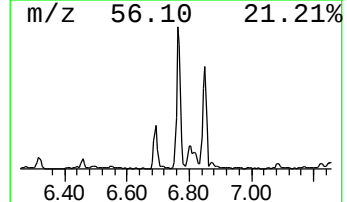
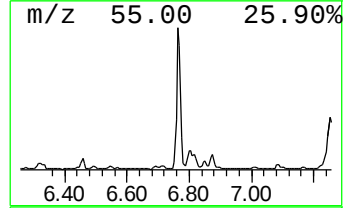
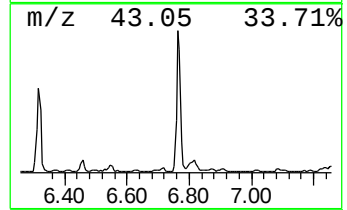
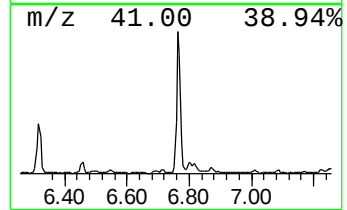
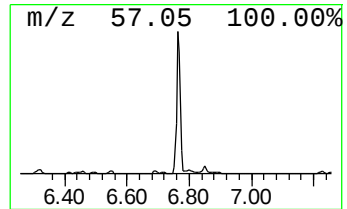
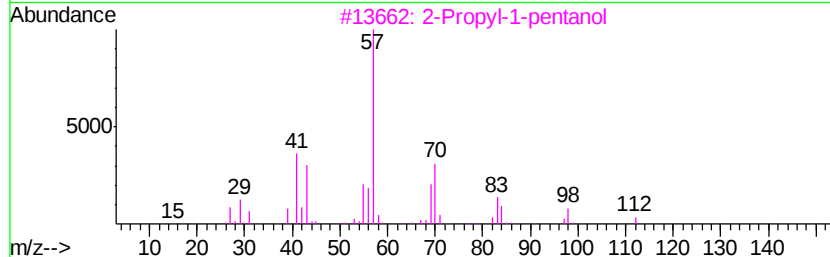
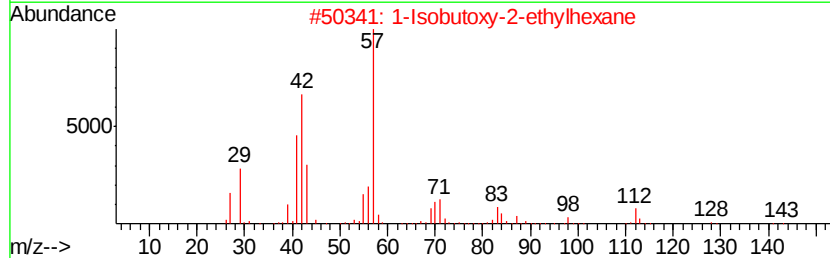
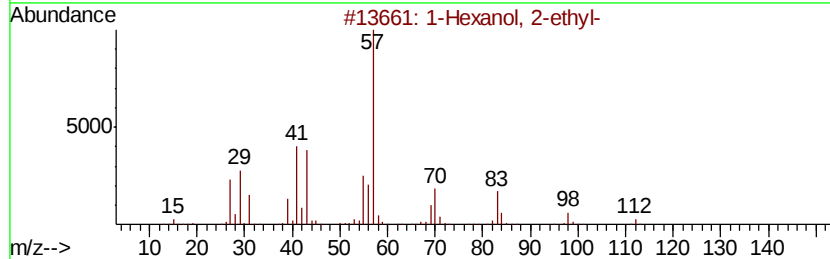
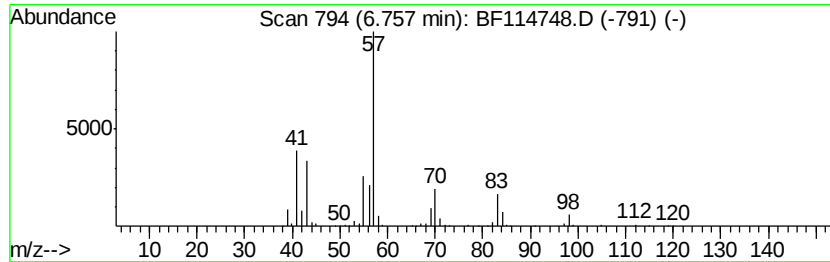
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	9.01 ng	1208540	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	50
3		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
4		2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	47
5		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	42



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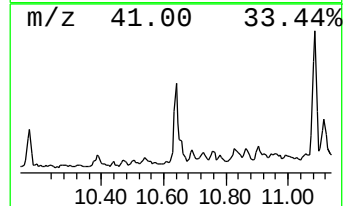
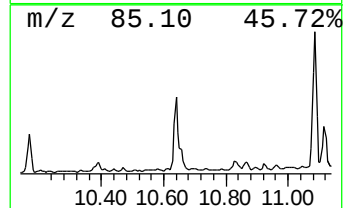
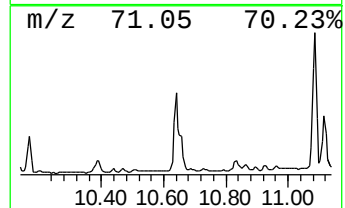
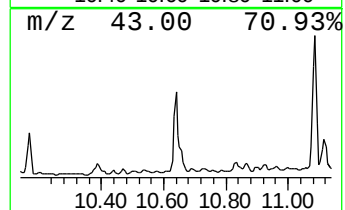
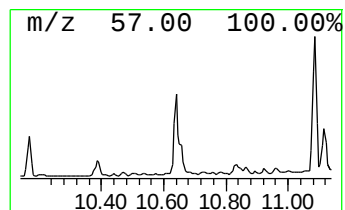
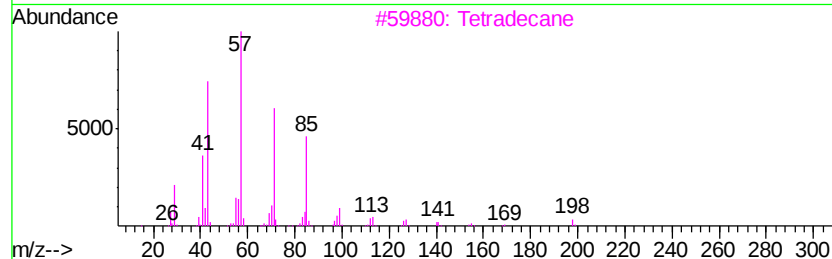
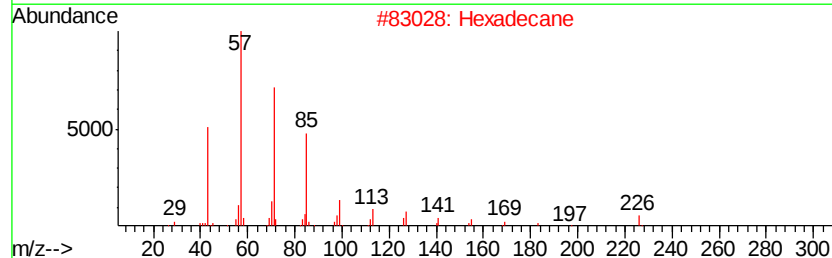
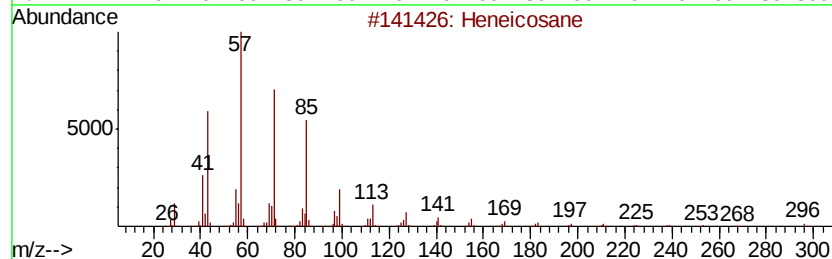
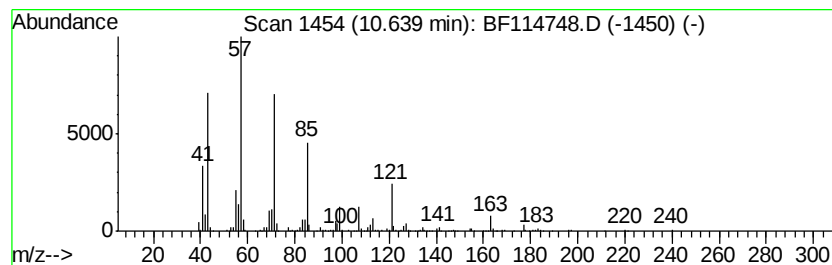
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	4.37 ng	863143	Phenanthrene-d10	11.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	83
2	Hexadecane		226	C16H34	000544-76-3	83
3	Tetradecane		198	C14H30	000629-59-4	80
4	Sulfurous acid, 2-propyl tetradec...		320	C17H36O3S	1000309-12-5	80
5	Dodecane, 4-methyl-		184	C13H28	006117-97-1	76



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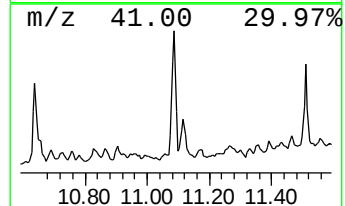
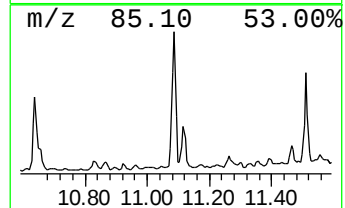
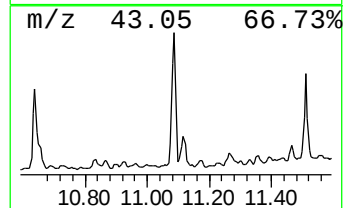
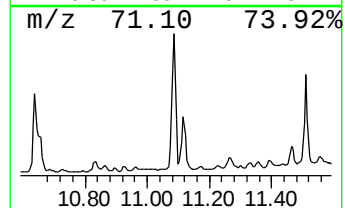
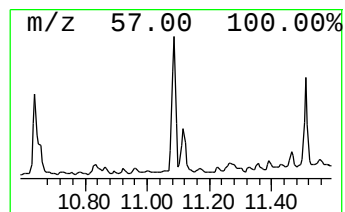
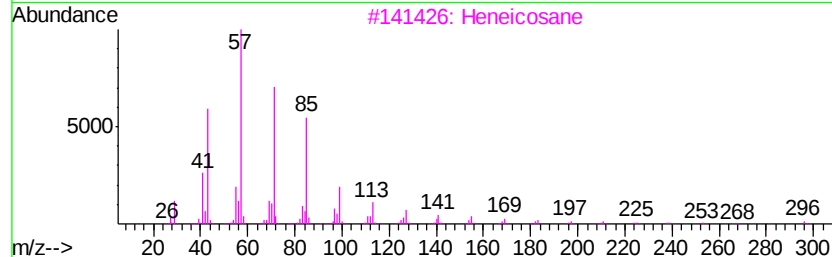
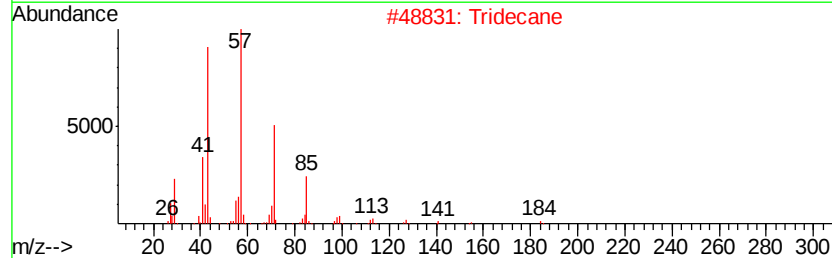
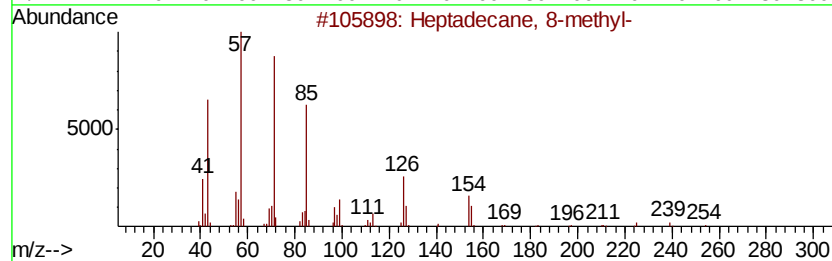
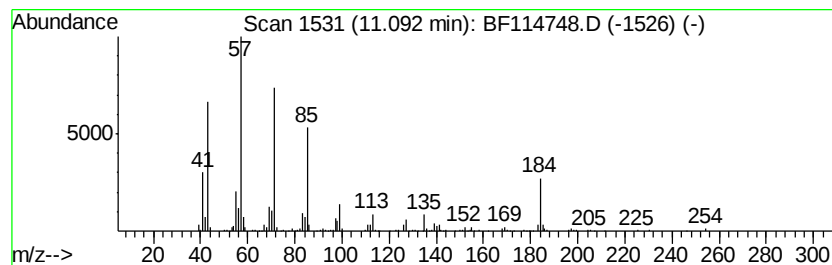
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ClientSampleId :
FK-0D015-03-006

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane, 8-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.09	5.00 ng	986147	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
2	Tridecane	184	C13H28	000629-50-5	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

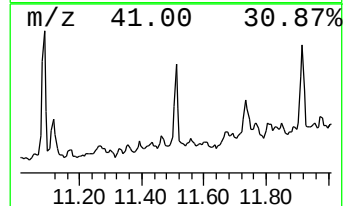
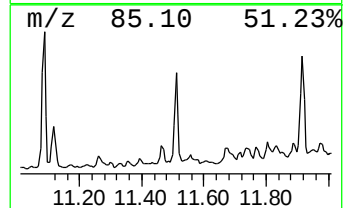
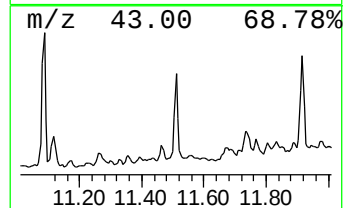
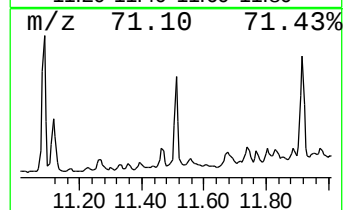
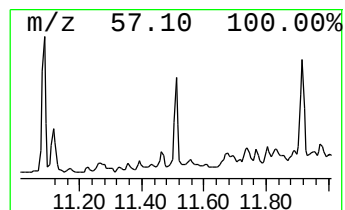
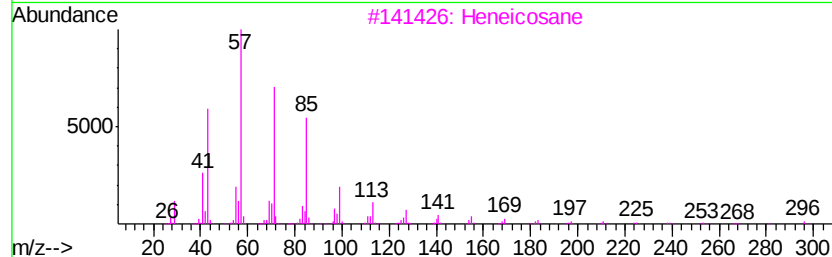
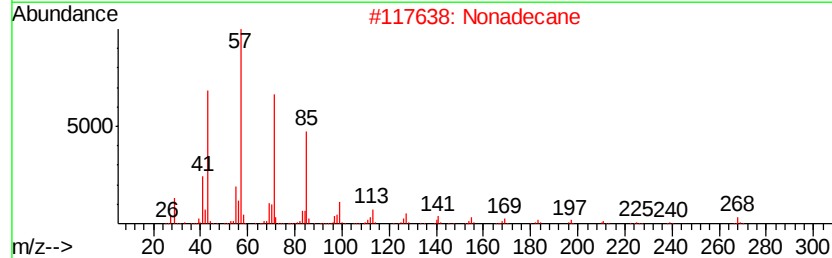
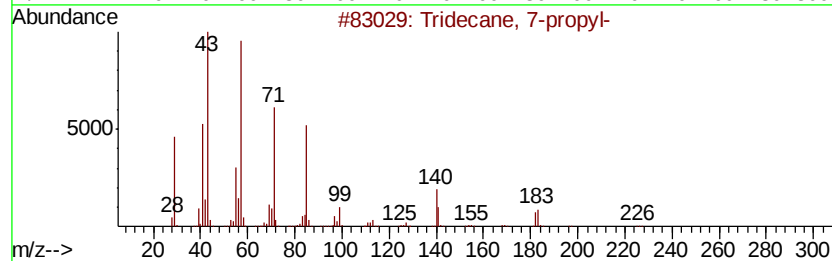
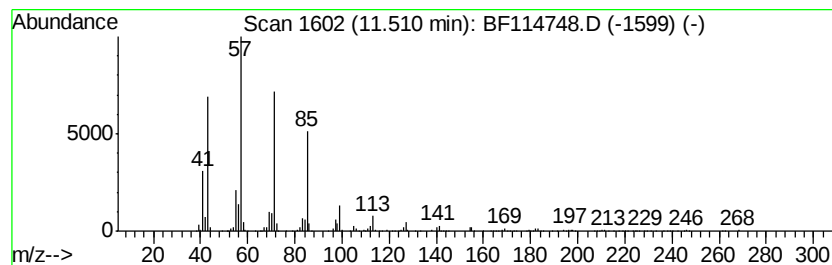
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 7-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.51	3.14 ng	619894	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-propyl-	226	C16H34	055045-09-5	93
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

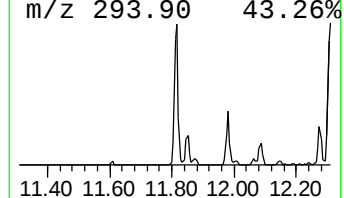
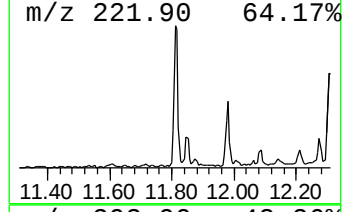
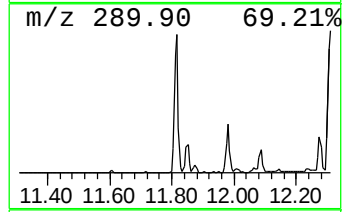
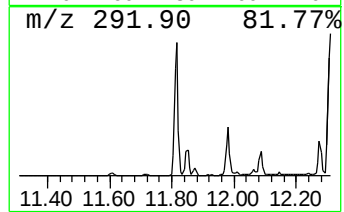
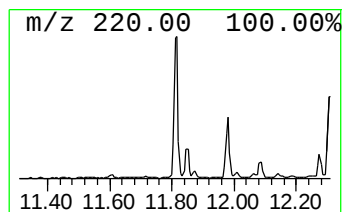
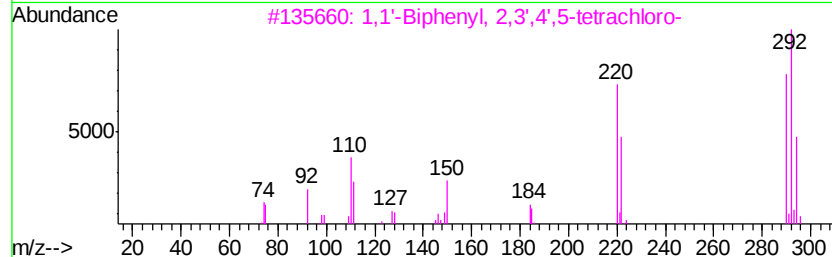
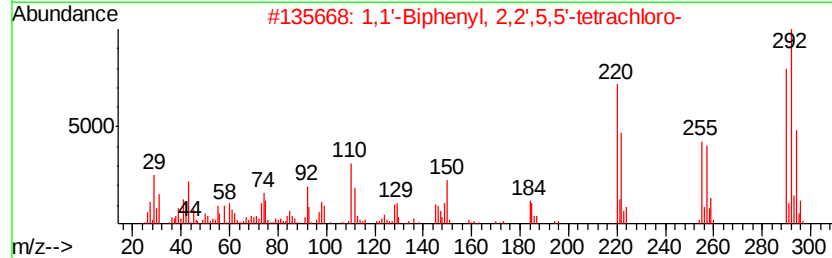
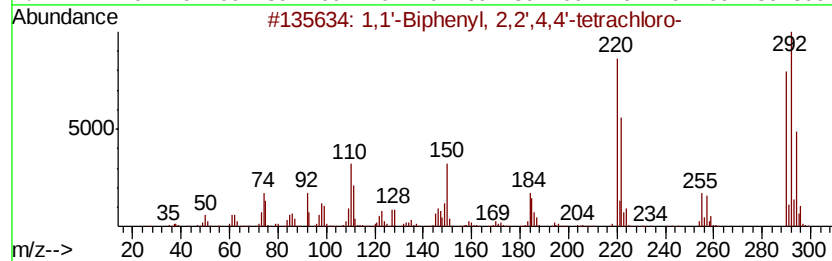
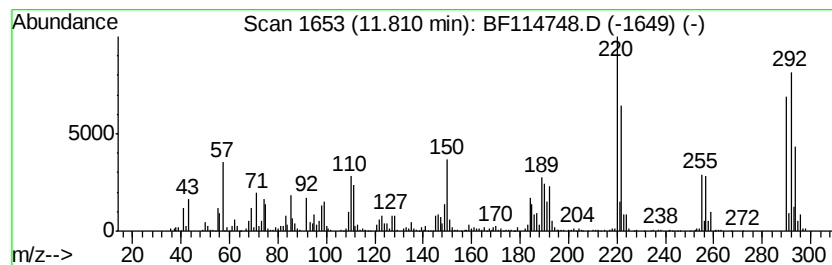
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	5.37 ng	1059570	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

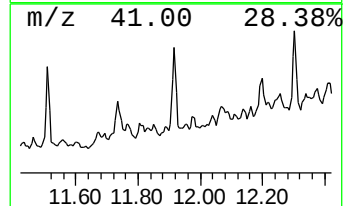
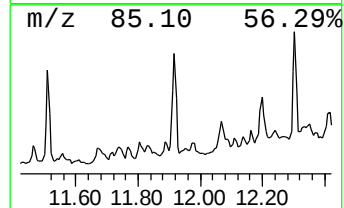
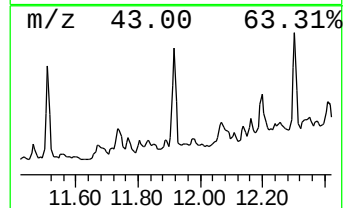
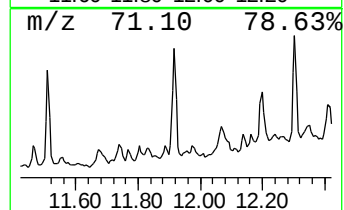
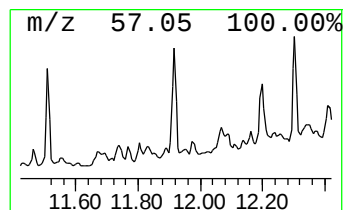
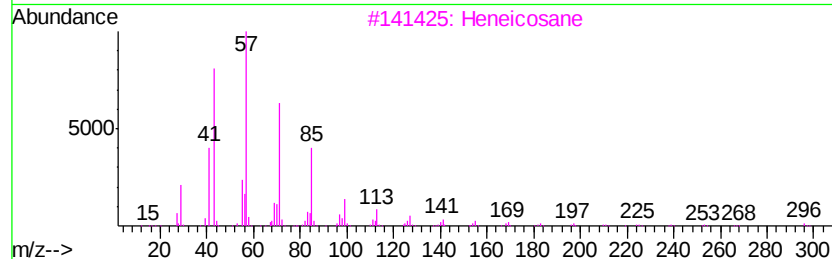
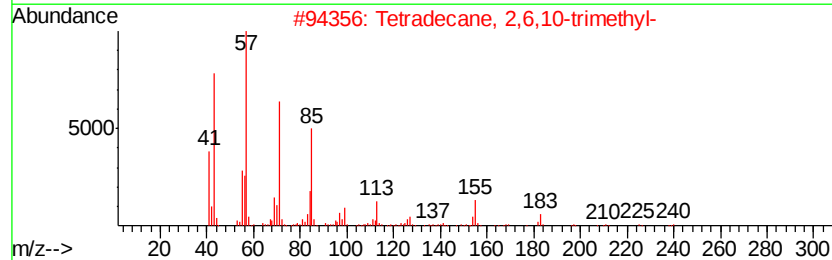
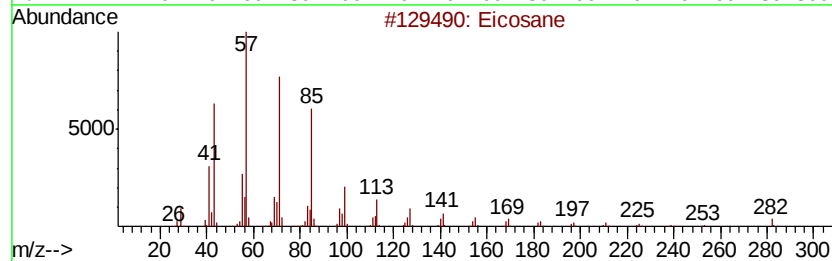
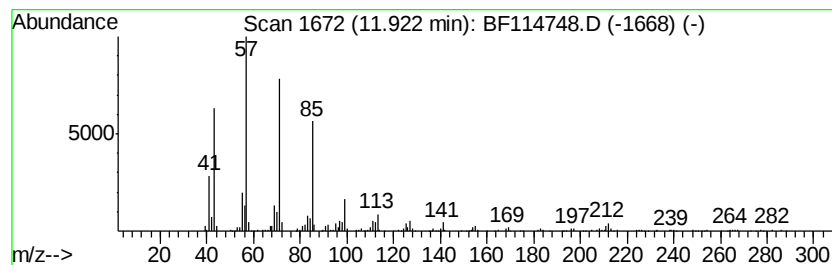
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.92	3.47 ng	684914	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Nonadecane	268	C19H40	000629-92-5	90
5	Pentadecane	212	C15H32	000629-62-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Acq On : 1 Jun 2019 11:20
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Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

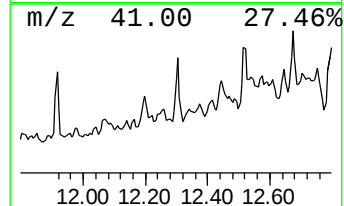
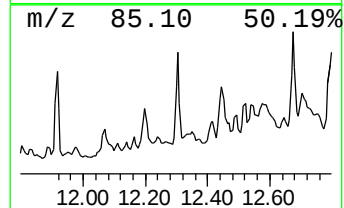
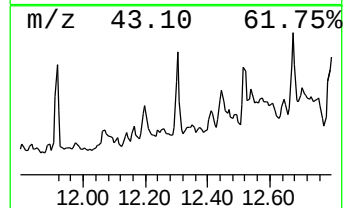
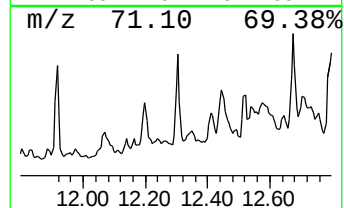
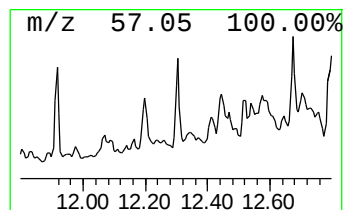
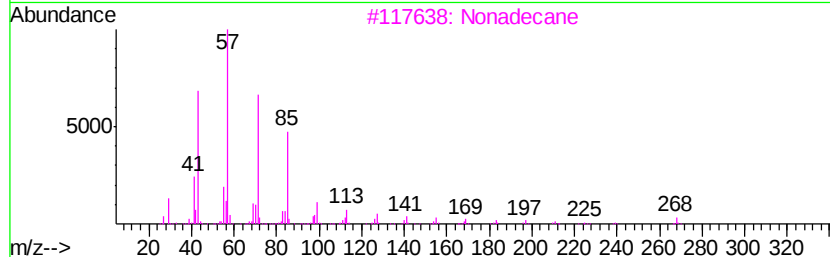
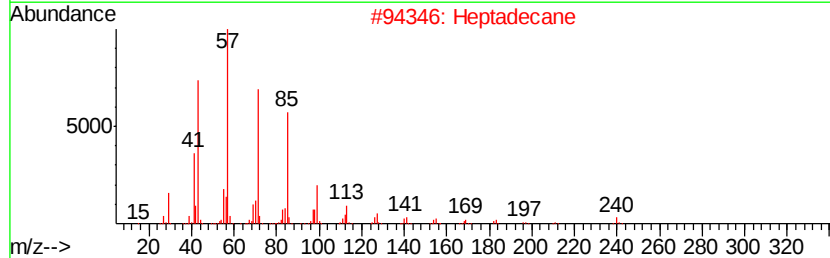
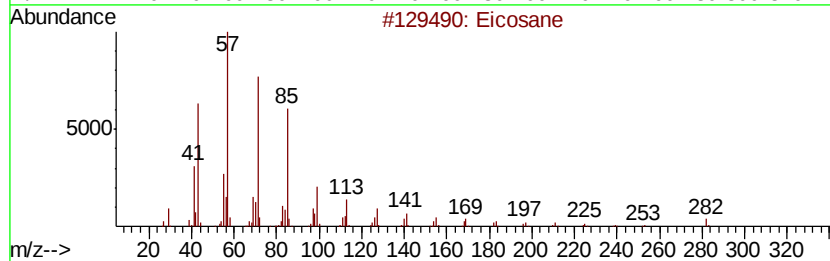
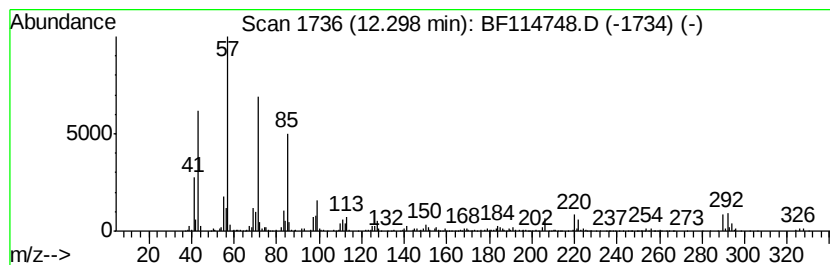
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	5.85 ng	1153600	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptadecane	240	C17H36	000629-78-7	95
3	Nonadecane	268	C19H40	000629-92-5	92
4	Hexadecane	226	C16H34	000544-76-3	91
5	Heneicosane	296	C21H44	000629-94-7	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

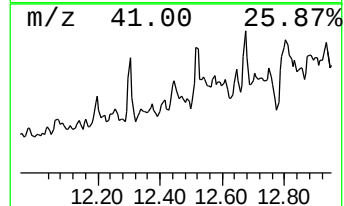
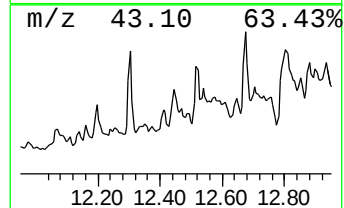
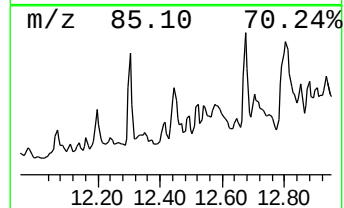
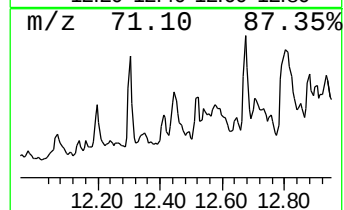
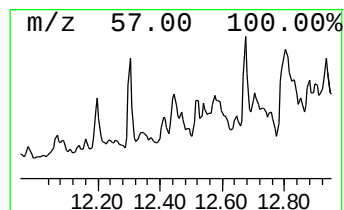
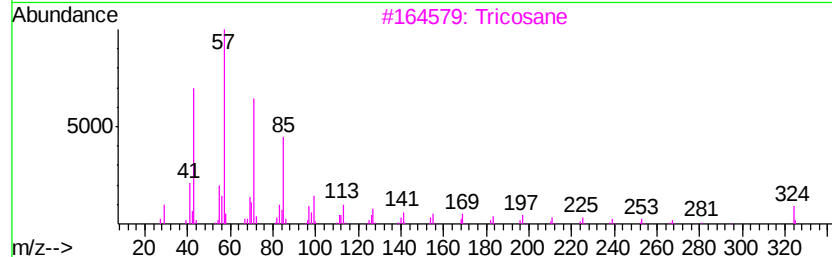
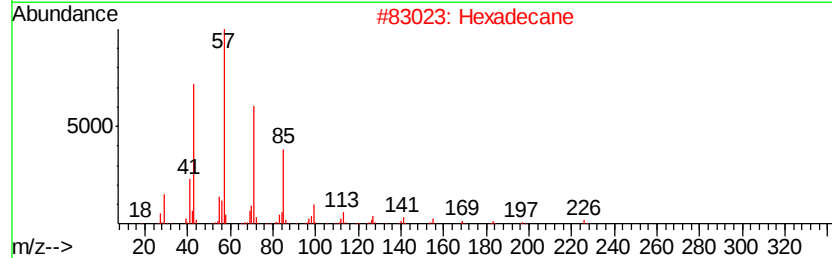
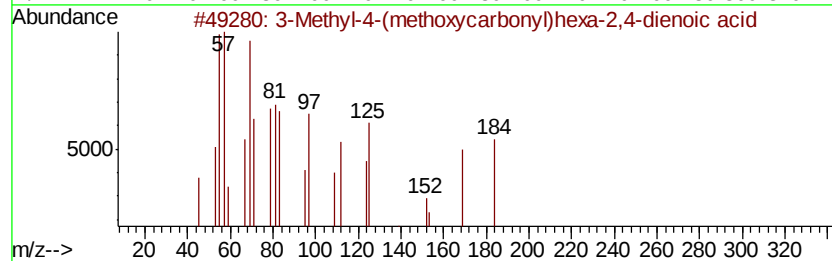
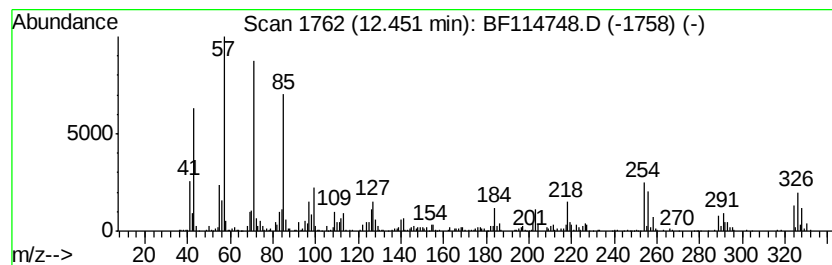
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 3-Methyl-4-(methoxycarbonyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.45	5.38 ng	1061630	Phenanthrene-d10	11.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	92	
2	Hexadecane	226	C16H34	000544-76-3	55	
3	Tricosane	324	C23H48	000638-67-5	49	
4	Hexacosane	366	C26H54	000630-01-3	49	
5	Tridecane	184	C13H28	000629-50-5	46	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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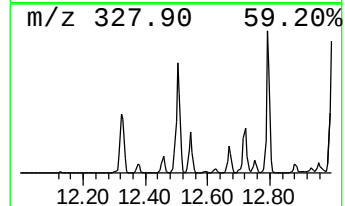
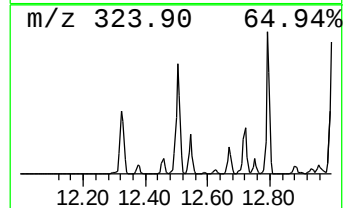
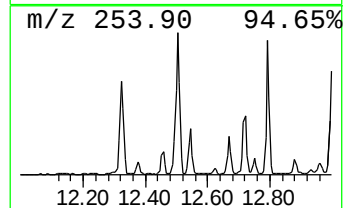
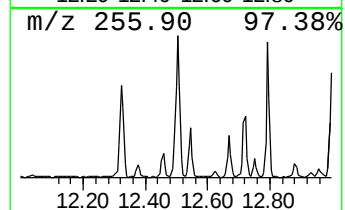
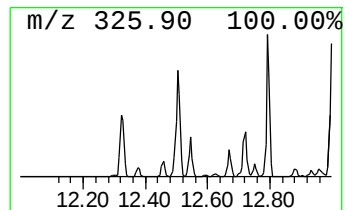
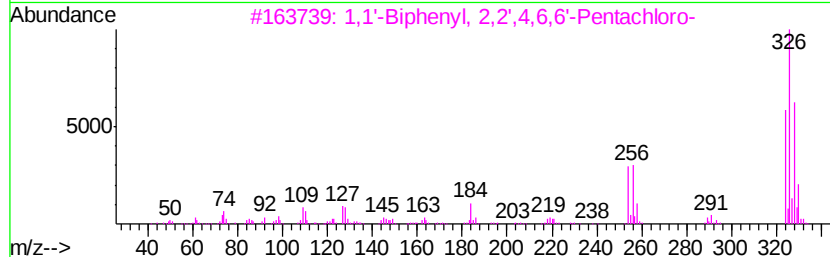
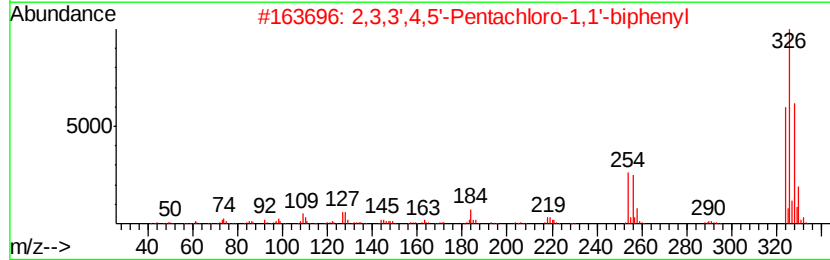
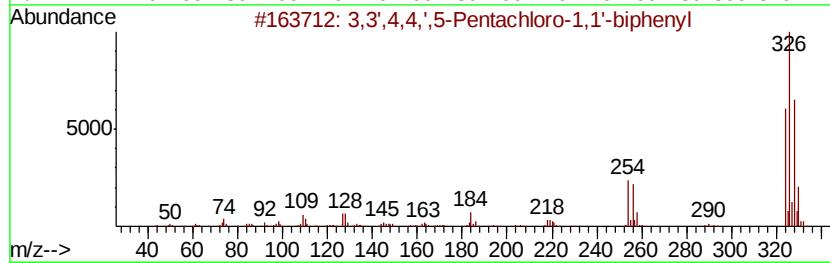
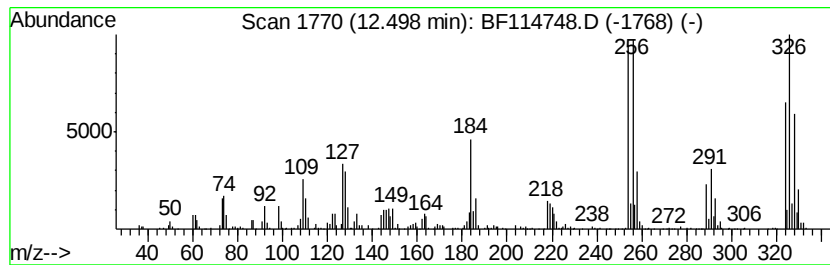
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 3,3',4,4',5-Pentachloro-1,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	10.09 ng	1652570	Chrysene-d12	13.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
2		2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
3		1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
4		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
5		3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

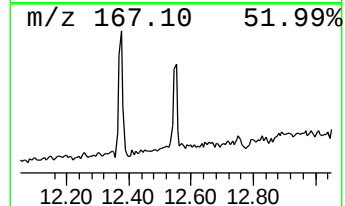
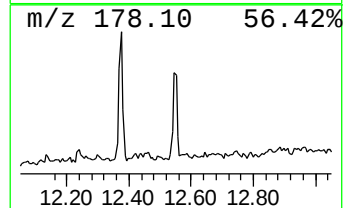
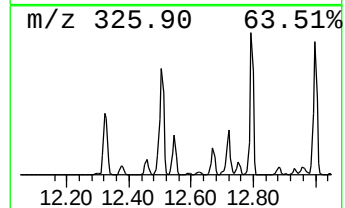
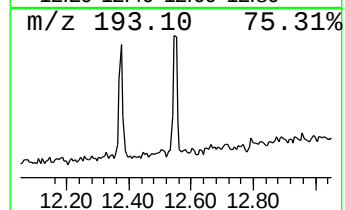
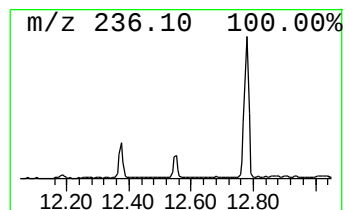
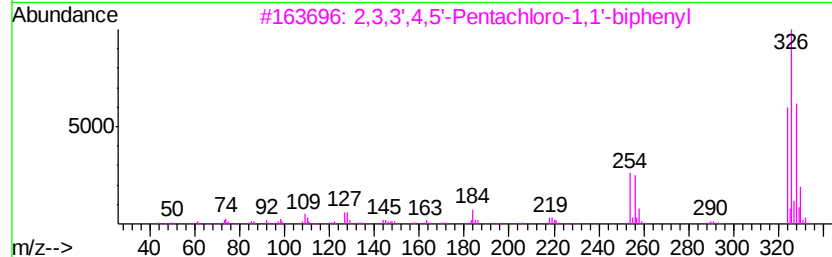
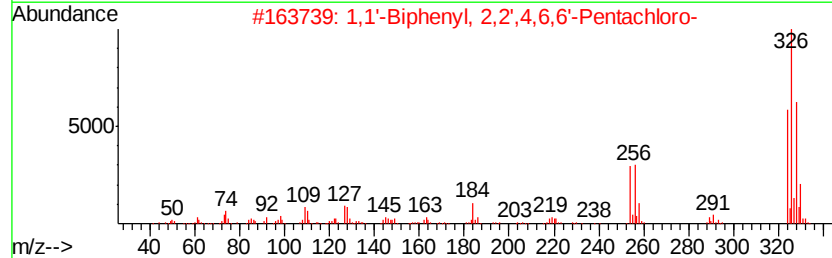
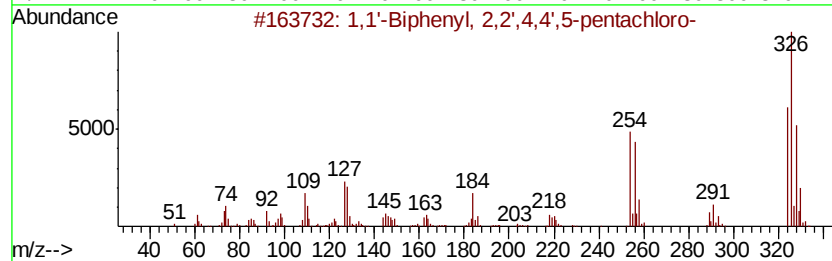
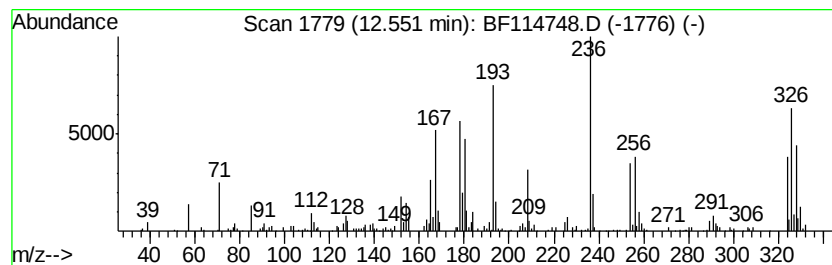
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.55	2.95 ng	483607	Chrysene-d12	13.82	
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, 2,2',4,6,6' -Penta...	324	C12H5Cl5	056558-16-8	99
3	2,3,3',4,5' -Pentachloro-1,1' -bip...	324	C12H5Cl5	070362-41-3	99
4	2,2',3,6,6' -Pentachloro-1,1' -bip...	324	C12H5Cl5	073575-54-9	99
5	2,3,3',5',6 -Pentachloro-1,1' -bi...	324	C12H5Cl5	068194-10-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

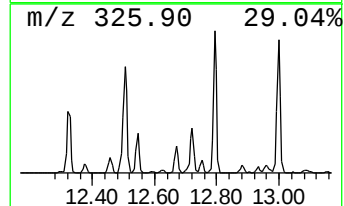
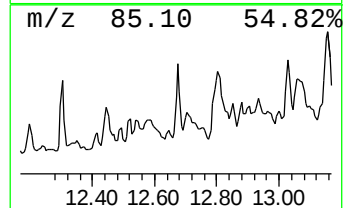
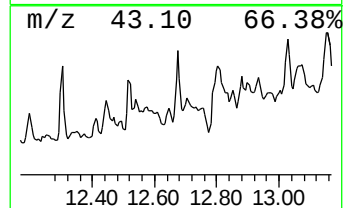
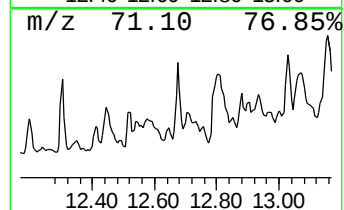
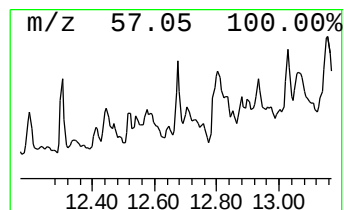
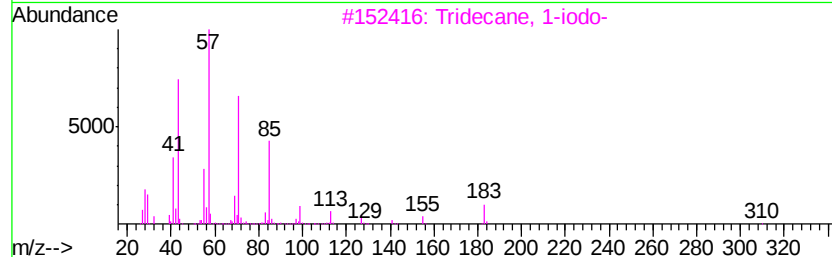
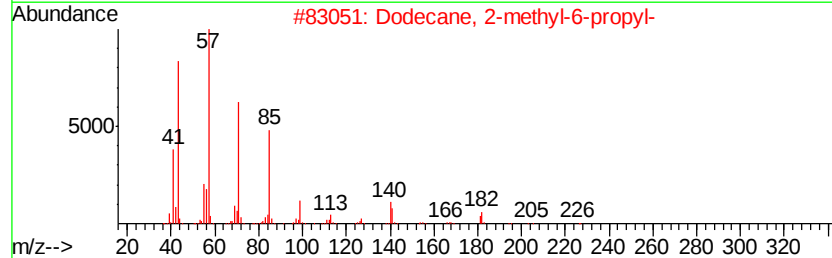
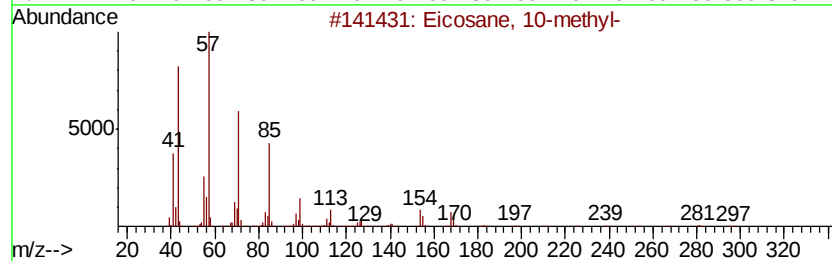
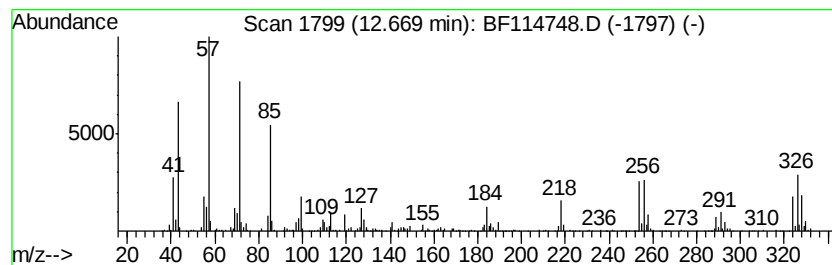
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Eicosane, 10-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	5.80 ng	949731	Chrysene-d12	13.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane, 10-methyl-	296 C21H44	054833-23-7	76
2	Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4	76
3	Tridecane, 1-iodo-	310 C13H27I	035599-77-0	76
4	Octadecane	254 C18H38	000593-45-3	74
5	Hexadecane	226 C16H34	000544-76-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

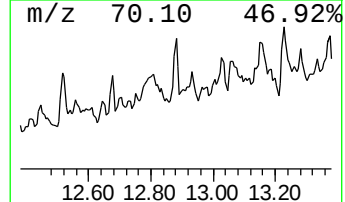
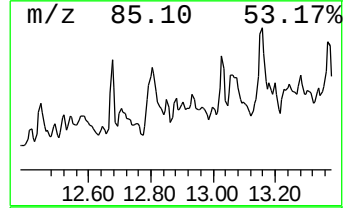
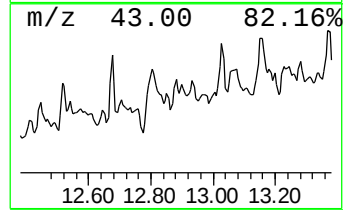
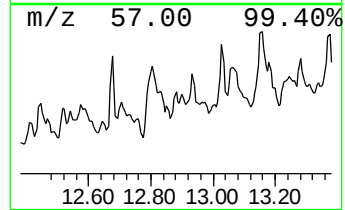
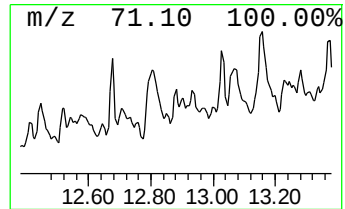
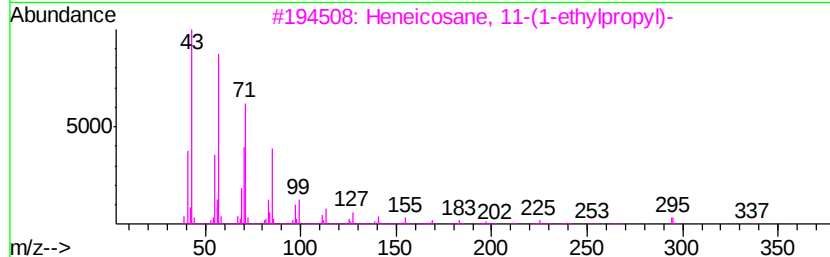
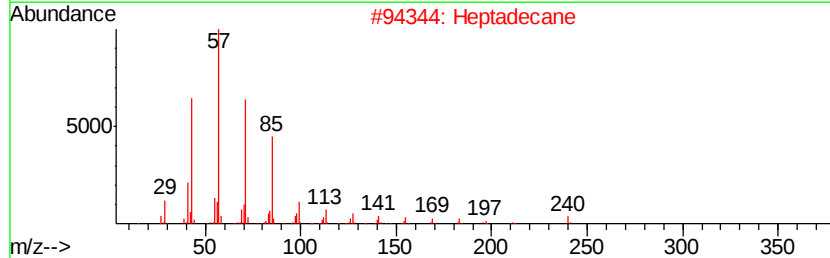
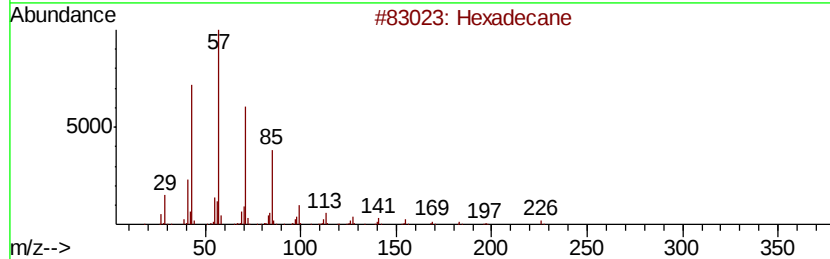
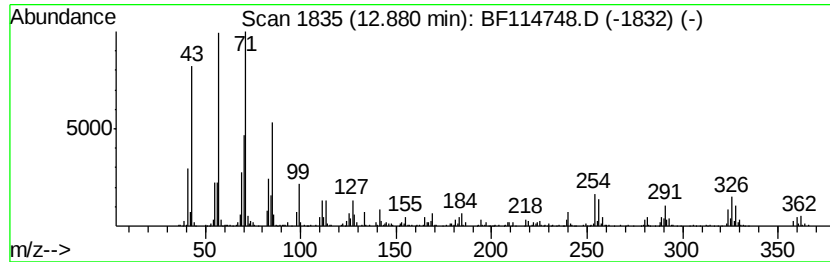
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.88	3.60 ng	589155	Chrysene-d12	13.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heptadecane	240	C17H36	000629-78-7	78
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	68
4	Octadecane	254	C18H38	000593-45-3	64
5	Tetratetracontane	619	C44H90	007098-22-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

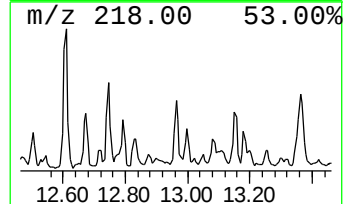
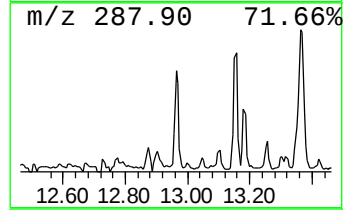
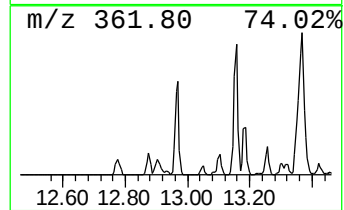
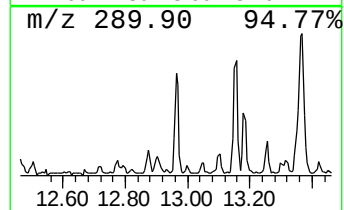
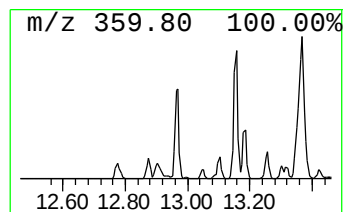
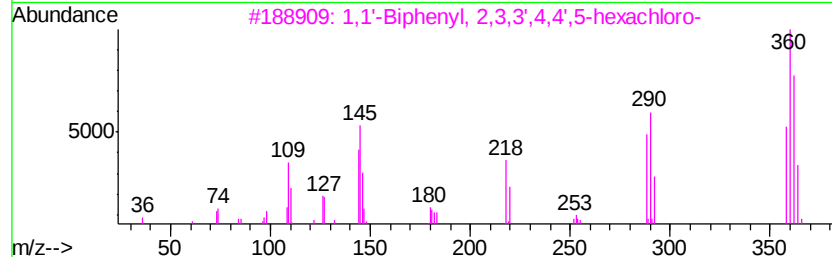
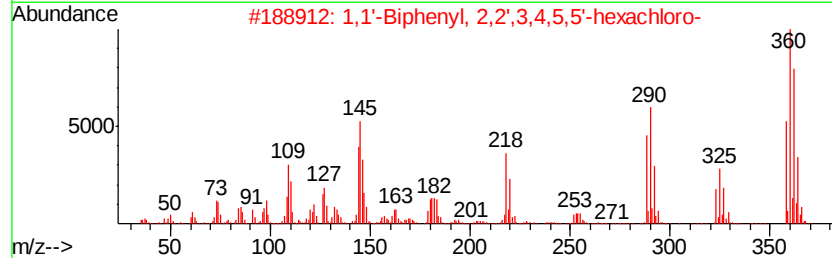
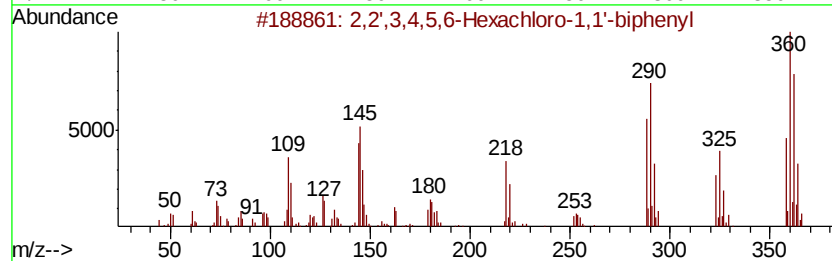
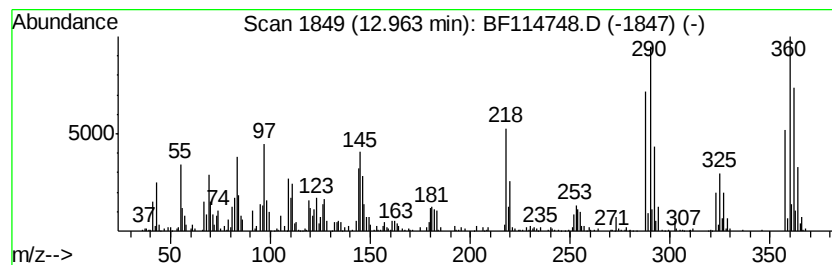
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.96	3.89 ng	637100	Chrysene-d12	13.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99	
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99	
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99	
4	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99	
5	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

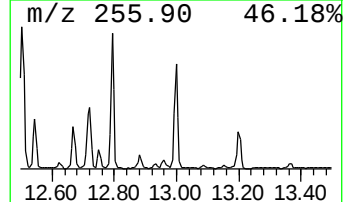
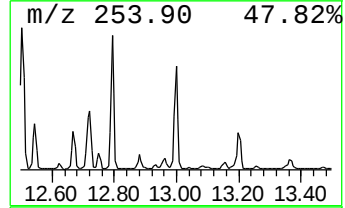
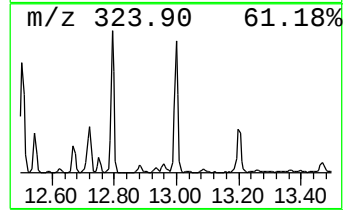
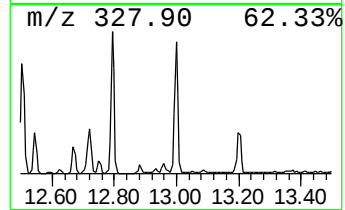
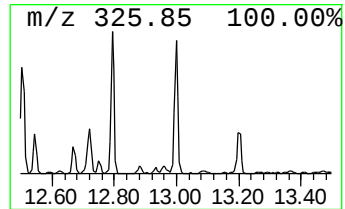
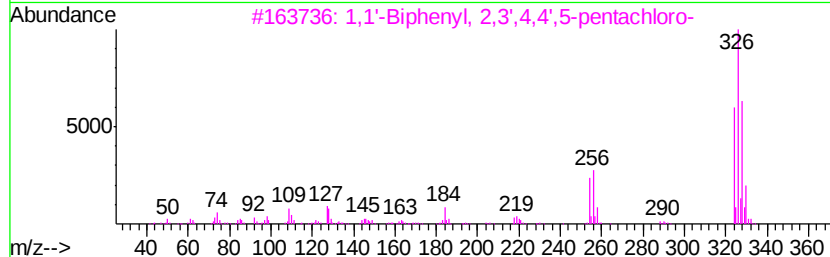
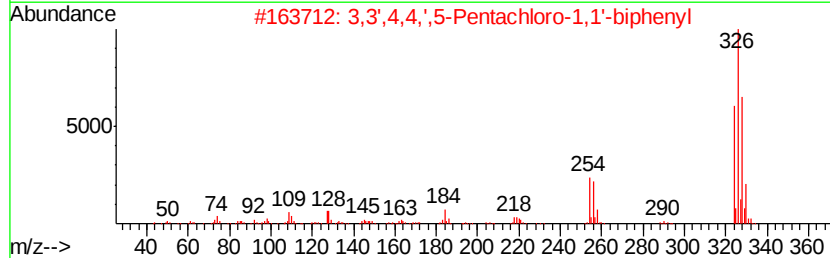
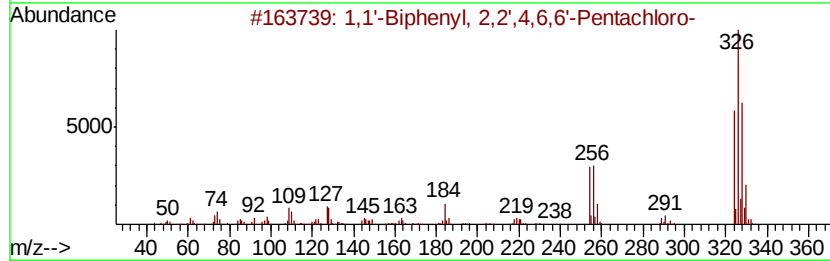
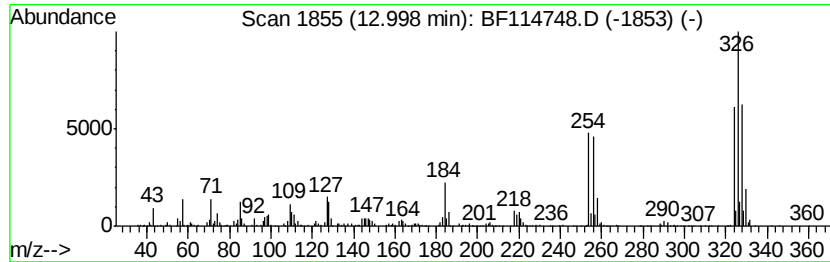
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,2',4,6,6'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.00	4.86 ng	796026	Chrysene-d12	13.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
2	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Instrument :
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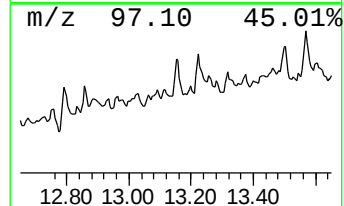
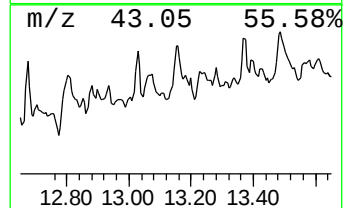
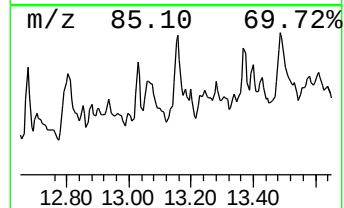
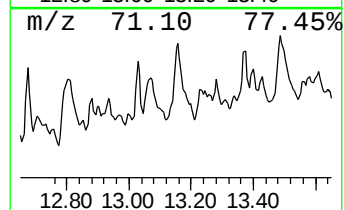
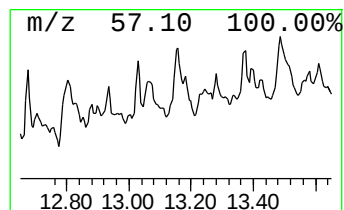
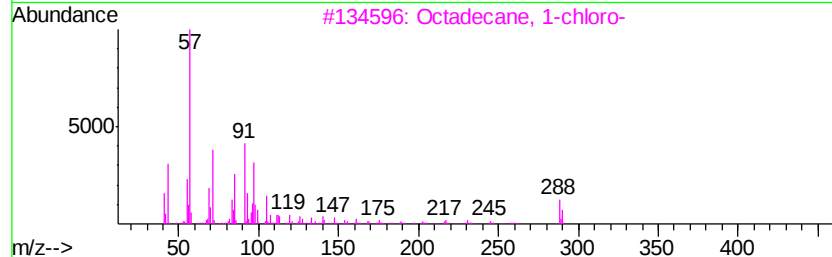
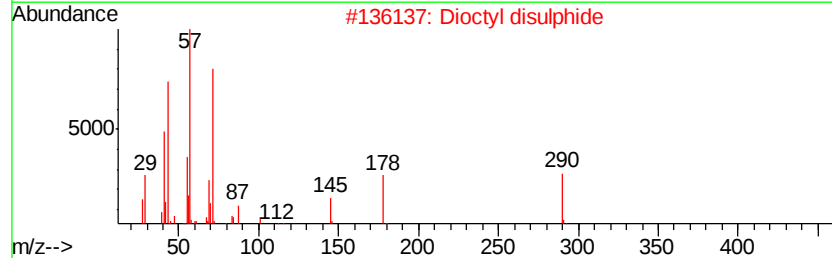
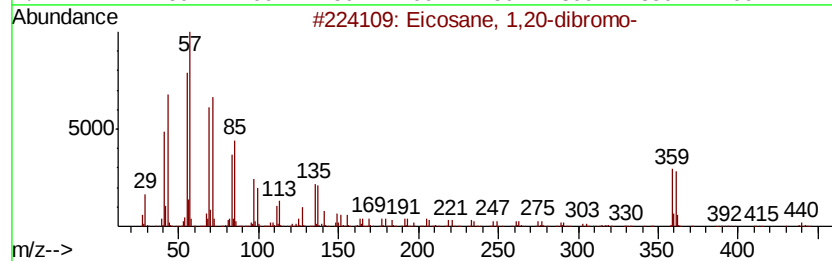
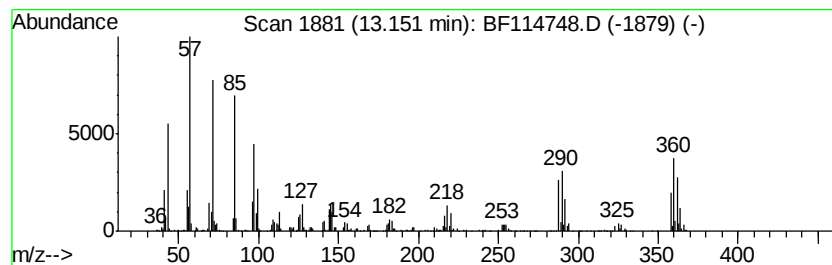
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown13.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	7.92 ng	1297160	Chrysene-d12	13.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane, 1,20-dibromo-	438	C20H40Br2	014296-16-3	25
2			Dioctyl disulphide	290	C16H34S2	000822-27-5	25
3			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	12
4			Dodecyl 4-nitrophenyl ether	307	C18H29NO3	065039-18-1	7
5			Tetradecanoic acid, 2-hydroxy-, ...	258	C15H30O3	056009-40-6	7



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
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Sample : K3109-01
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ALS Vial : 9 Sample Multiplier: 1

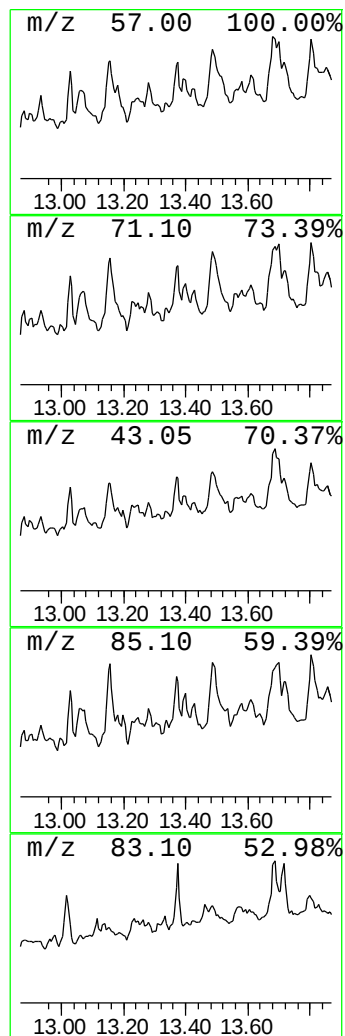
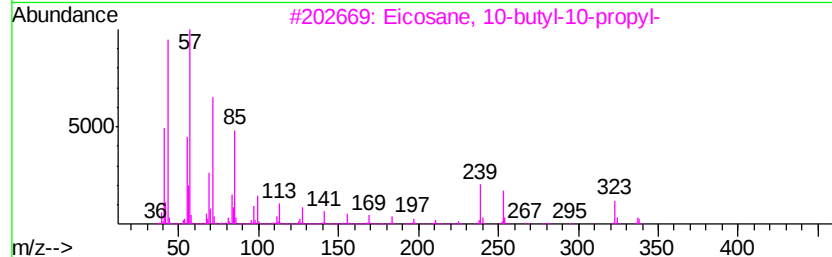
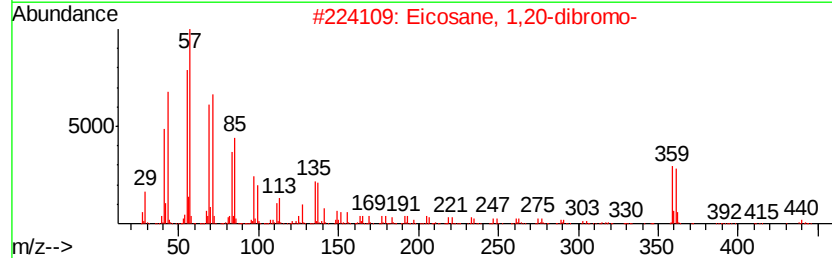
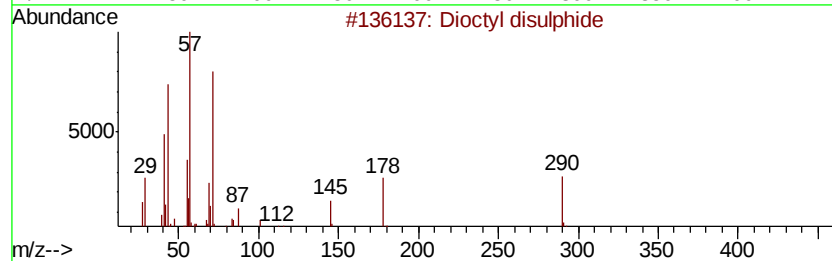
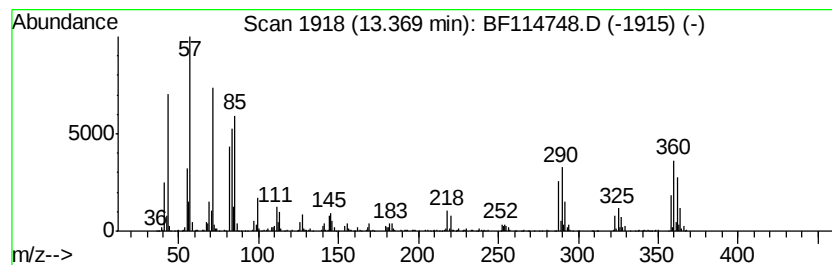
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown13.37 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	6.73 ng	1102620	Chrysene-d12	13.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dioctyl disulphide	290 C16H34S2	000822-27-5 30
2		Eicosane, 1,20-dibromo-	438 C20H40Br2	014296-16-3 25
3		Eicosane, 10-butyl-10-propyl-	380 C27H56	055282-33-2 20
4		Boric acid, ethyl-, didecyl ester	354 C22H47B02	1000152-34-4 17
5		Pregnane-3,11,20,21-tetrol, cycl...	376 C22H37B04	030882-72-5 9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

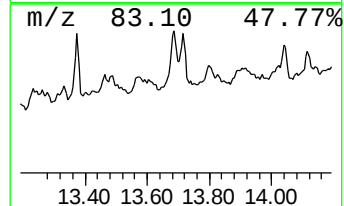
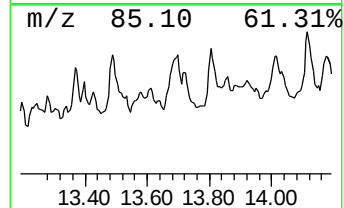
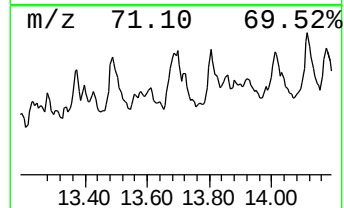
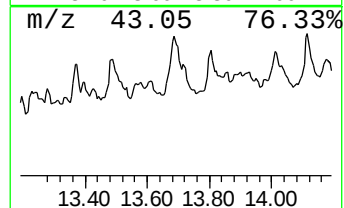
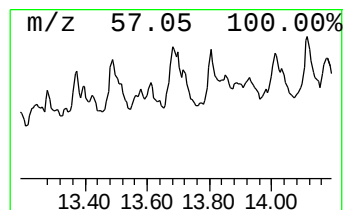
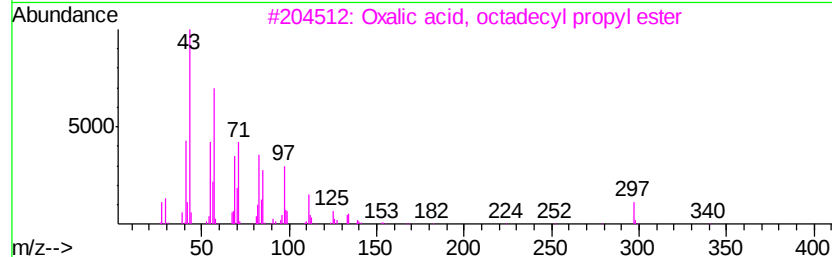
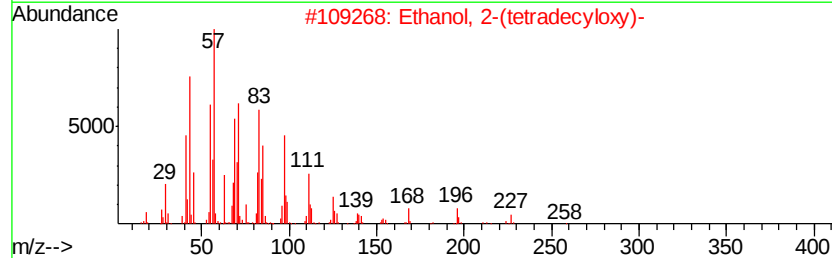
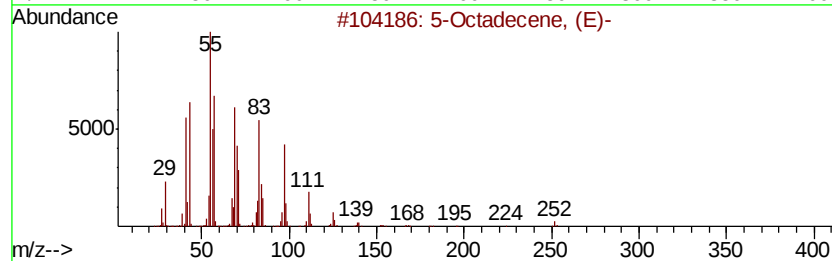
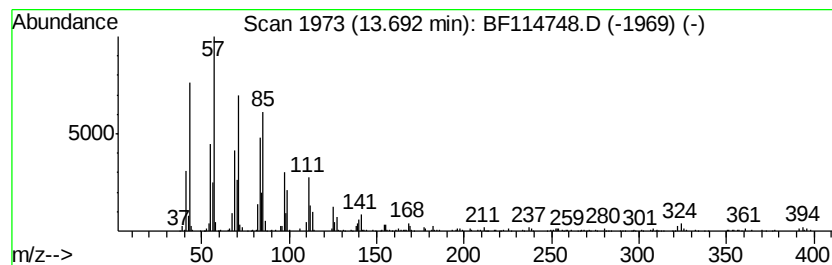
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 5-Octadecene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.69	7.17 ng	1174410	Chrysene-d12	13.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octadecene, (E)-	252	C18H36	007206-21-5	93
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
3	Oxalic acid, octadecyl propyl ester	384	C23H44O4	1000309-27-0	91
4	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
5	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060119\
 Data File : BF114748.D
 Acq On : 1 Jun 2019 11:20
 Operator : HP/JU
 Sample : K3109-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
3-Penten-2-one, 4...	4.25	56.0	ng	7510880	1	6.69	2681660	20.0
2-Pentanone, 4-hy...	4.93	127.6	ng	17103900	1	6.69	2681660	20.0
1-Hexanol, 2-ethyl-	6.76	9.0	ng	1208540	1	6.69	2681660	20.0
Heneicosane	10.64	4.4	ng	863143	4	11.19	3946080	20.0
Heptadecane, 8-me...	11.09	5.0	ng	986147	4	11.19	3946080	20.0
Tridecane, 7-propyl-	11.51	3.1	ng	619894	4	11.19	3946080	20.0
1,1'-Biphenyl, 2,...	11.81	5.4	ng	1059570	4	11.19	3946080	20.0
Eicosane	11.92	3.5	ng	684914	4	11.19	3946080	20.0
Nonadecane	12.30	5.8	ng	1153600	4	11.19	3946080	20.0
3-Methyl-4-(metho...	12.45	5.4	ng	1061630	4	11.19	3946080	20.0
3,3',4,4',5-Pent...	12.50	10.1	ng	1652570	5	13.82	3274600	20.0
1,1'-Biphenyl, 2,...	12.55	3.0	ng	483607	5	13.82	3274600	20.0
Eicosane, 10-methyl-	12.67	5.8	ng	949731	5	13.82	3274600	20.0
Hexadecane	12.88	3.6	ng	589155	5	13.82	3274600	20.0
2,2',3,4,5,6-Hexa...	12.96	3.9	ng	637100	5	13.82	3274600	20.0
1,1'-Biphenyl, 2,...	13.00	4.9	ng	796026	5	13.82	3274600	20.0
unknown13.15	13.15	7.9	ng	1297160	5	13.82	3274600	20.0
unknown13.37	13.37	6.7	ng	1102620	5	13.82	3274600	20.0
5-Octadecene, (E)-	13.69	7.2	ng	1174410	5	13.82	3274600	20.0