

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114223.D
 Acq On : 13 May 2019 12:47
 Operator : JU/SJ
 Sample : K2766-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS008-0206-01

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-BF051019.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	3.916	299	311	317	rBV	892810	1284985	9.92%	0.960%
2	5.057	501	505	516	rVB	423500	511882	3.95%	0.382%
3	5.481	567	577	590	rBV	3333914	3540697	27.34%	2.644%
4	6.492	745	749	761	rBV	3365221	3407962	26.31%	2.545%
5	6.628	768	772	775	rBV	3961313	3605597	27.84%	2.693%
6	6.851	806	810	817	rBV	2222825	1787305	13.80%	1.335%
7	7.010	833	837	840	rBV	3148343	2845645	21.97%	2.125%
8	7.410	901	905	916	rBV	2952717	2680062	20.69%	2.002%
9	8.133	1020	1028	1031	rBV	2792920	2458791	18.98%	1.836%
10	8.198	1036	1039	1051	rVB4	67819	164307	1.27%	0.123%
11	9.204	1206	1210	1217	rBV	4601382	3850887	29.73%	2.876%
12	9.310	1221	1228	1232	rVV4	103901	197277	1.52%	0.147%
13	9.598	1272	1277	1287	rVB	865508	912007	7.04%	0.681%
14	9.886	1322	1326	1336	rVB	2996255	2655822	20.51%	1.984%
15	10.051	1351	1354	1358	rBV	170057	153160	1.18%	0.114%
16	10.086	1358	1360	1365	rBV2	133435	146043	1.13%	0.109%
17	10.674	1456	1460	1469	rBV	2782485	2558753	19.76%	1.911%
18	10.910	1498	1500	1504	rBV	240414	218106	1.68%	0.163%
19	11.033	1518	1521	1525	rBV	251557	260122	2.01%	0.194%
20	11.321	1567	1570	1575	rBV4	96925	151579	1.17%	0.113%
21	11.368	1575	1578	1581	rVV	2855252	2722908	21.02%	2.034%
22	11.421	1584	1587	1590	rVB2	376006	332985	2.57%	0.249%
23	11.592	1612	1616	1622	rBV4	91799	158606	1.22%	0.118%
24	11.904	1664	1669	1680	rVV	2558840	3013051	23.26%	2.250%
25	11.986	1680	1683	1685	rVV	325546	330506	2.55%	0.247%
26	12.016	1686	1688	1691	rVV2	165235	191209	1.48%	0.143%
27	12.045	1691	1693	1695	rVV	236428	217047	1.68%	0.162%
28	12.068	1695	1697	1702	rVB2	156016	208736	1.61%	0.156%
29	12.151	1709	1711	1715	rBV3	180162	226865	1.75%	0.169%
30	12.227	1721	1724	1728	rBV3	252391	264855	2.04%	0.198%
31	12.457	1760	1763	1765	rVV	346343	302635	2.34%	0.226%
32	12.498	1765	1770	1774	rVB3	908514	1015354	7.84%	0.758%
33	12.586	1782	1785	1787	rBV	195143	203894	1.57%	0.152%
34	12.633	1790	1793	1797	rVB	694199	651707	5.03%	0.487%

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35	12.686	1797	1802	1812	rBV2	2336001	3332696	25.73%	2.489%
36	12.815	1821	1824	1825	rBV	177355	203906	1.57%	0.152%
37	12.951	1843	1847	1854	rVB	3834757	3988808	30.80%	2.979%
38	13.045	1860	1863	1866	rVB	607519	521309	4.02%	0.389%
39	13.074	1866	1868	1874	rVB2	253114	319253	2.46%	0.238%
40	13.139	1876	1879	1881	rBV	1691219	1457974	11.26%	1.089%
41	13.180	1881	1886	1891	rVB2	1543114	1915459	14.79%	1.431%
42	13.274	1900	1902	1904	rBV	217167	169661	1.31%	0.127%
43	13.327	1908	1911	1914	rBV	1731406	1591807	12.29%	1.189%
44	13.362	1914	1917	1920	rVV	465363	410004	3.17%	0.306%
45	13.398	1921	1923	1926	rVV	239872	213783	1.65%	0.160%
46	13.433	1926	1929	1933	rVB2	835031	777069	6.00%	0.580%
47	13.498	1938	1940	1941	rVV	173090	150214	1.16%	0.112%
48	13.545	1942	1948	1952	rVV2	1136801	1918836	14.81%	1.433%
49	13.651	1962	1966	1969	rVB2	1072169	1123969	8.68%	0.839%
50	13.692	1970	1973	1978	rVB	504546	457960	3.54%	0.342%
51	13.857	1994	2001	2007	rBV2	6305338	9640121	74.43%	7.200%
52	13.904	2007	2009	2013	rVB2	368453	446933	3.45%	0.334%
53	13.974	2019	2021	2025	rBV2	217999	300098	2.32%	0.224%
54	14.015	2025	2028	2031	rVV	1985773	2006888	15.49%	1.499%
55	14.045	2031	2033	2036	rVB	1539876	1383693	10.68%	1.033%
56	14.080	2036	2039	2043	rBV2	180734	201826	1.56%	0.151%
57	14.180	2052	2056	2058	rBV	952375	1201282	9.27%	0.897%
58	14.268	2068	2071	2074	rBV2	685491	672665	5.19%	0.502%
59	14.304	2074	2077	2084	rVB2	804352	920353	7.11%	0.687%
60	14.362	2084	2087	2089	rBV	309093	278595	2.15%	0.208%
61	14.504	2105	2111	2117	rBV3	7798116	12952010	100.00%	9.673%
62	14.551	2117	2119	2124	rVV	699168	691892	5.34%	0.517%
63	14.621	2128	2131	2134	rBV	334041	309700	2.39%	0.231%
64	14.721	2145	2148	2149	rBV	251040	282619	2.18%	0.211%
65	14.804	2157	2162	2164	rBV	1452378	1656650	12.79%	1.237%
66	14.827	2164	2166	2171	rVV2	878123	1283369	9.91%	0.959%
67	14.874	2171	2174	2182	rVV2	557154	779193	6.02%	0.582%
68	14.945	2183	2186	2193	rVB	1068537	1169106	9.03%	0.873%
69	15.145	2215	2220	2222	rBV	3245968	3980379	30.73%	2.973%
70	15.174	2222	2225	2230	rVV	2497473	3662733	28.28%	2.736%
71	15.221	2230	2233	2242	rVB	1069189	1338363	10.33%	1.000%

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72	15.309	2245	2248	2251	rBV	396130	478083	3.69%	0.357%
73	15.515	2277	2283	2288	rBV2	2210164	3871130	29.89%	2.891%
74	15.568	2289	2292	2297	rVV3	333935	603809	4.66%	0.451%
75	15.621	2298	2301	2313	rVB	410418	639430	4.94%	0.478%
76	15.721	2313	2318	2326	rBV	1260540	1981458	15.30%	1.480%
77	15.956	2353	2358	2363	rBV	1841410	2961993	22.87%	2.212%
78	16.015	2363	2368	2374	rVV3	1251747	2550880	19.69%	1.905%
79	16.080	2375	2379	2383	rVB	998211	1487790	11.49%	1.111%
80	16.127	2384	2387	2395	rVB3	338678	527648	4.07%	0.394%
81	16.198	2395	2399	2402	rBV	366641	527680	4.07%	0.394%
82	16.462	2439	2444	2455	rVB4	652644	1342861	10.37%	1.003%
83	16.609	2465	2469	2486	rVB3	296287	681761	5.26%	0.509%
84	16.756	2488	2494	2502	rVB	1074866	2017748	15.58%	1.507%
85	17.239	2570	2576	2581	rBV	728310	1397088	10.79%	1.043%
86	17.639	2638	2644	2655	rVB3	1062393	2410534	18.61%	1.800%
87	17.897	2683	2688	2693	rBV5	363286	845632	6.53%	0.632%
88	18.592	2801	2806	2819	rVB4	307723	839002	6.48%	0.627%
89	18.862	2845	2852	2864	rVB3	571455	1786152	13.79%	1.334%

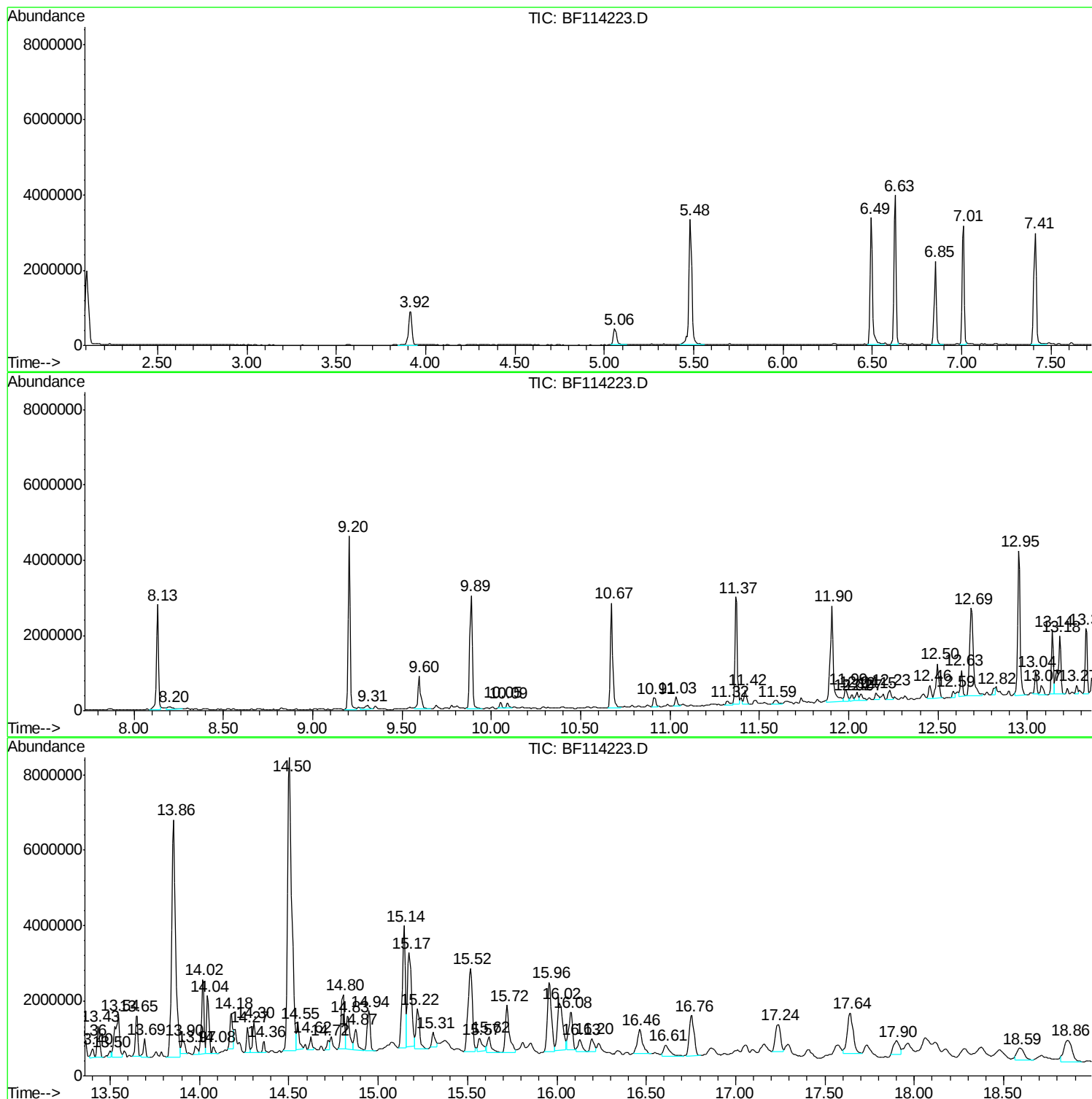
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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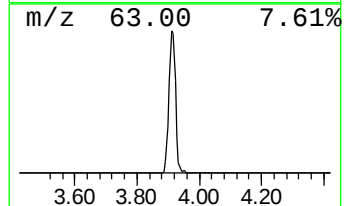
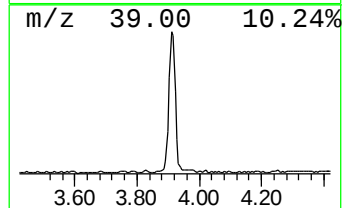
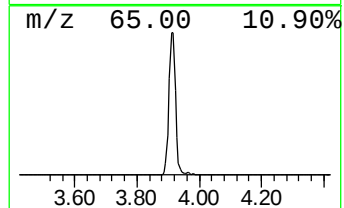
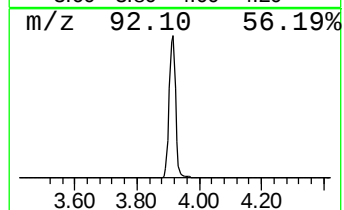
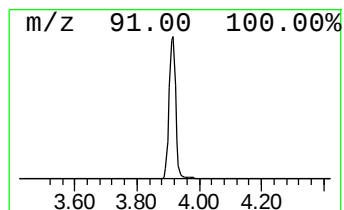
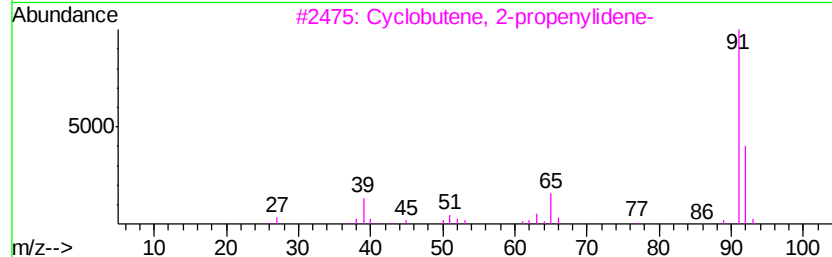
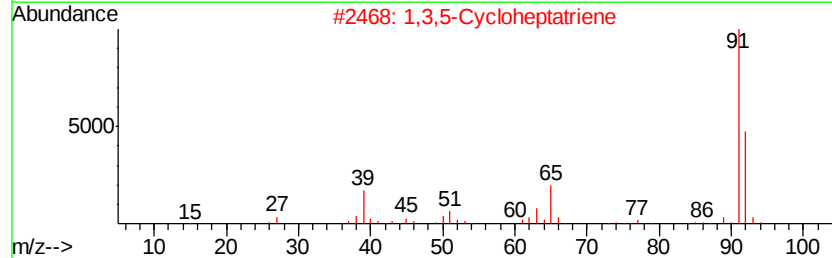
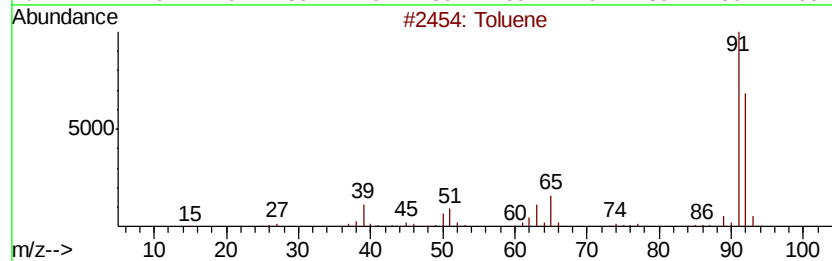
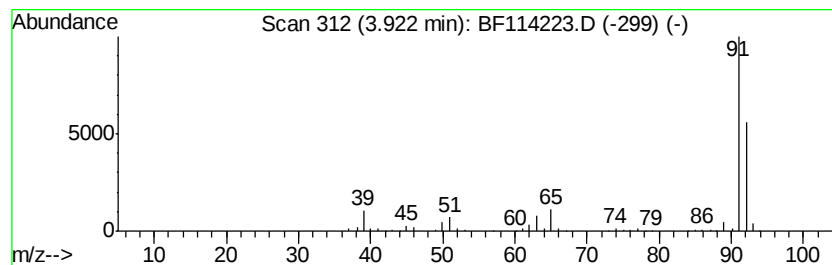
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Toluene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	14.38 ng	1284990	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Toluene	92	C7H8	000108-88-3	95
2			1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3			Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	78
4			2,5-Norbornadiene	92	C7H8	000121-46-0	64
5			Tetracyclo[3.2.0.0(2,7).0(4,6)]h...	92	C7H8	000278-06-8	59



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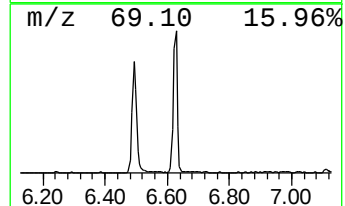
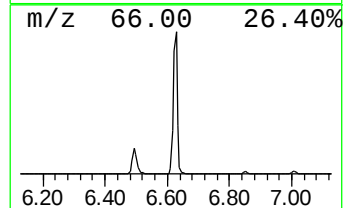
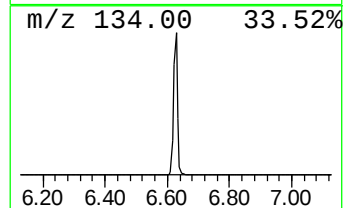
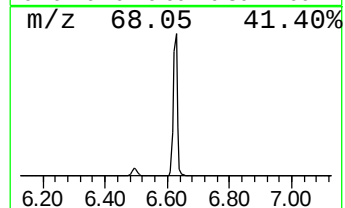
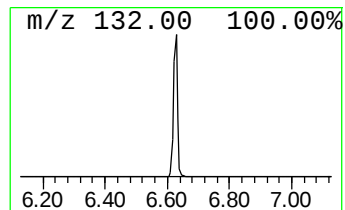
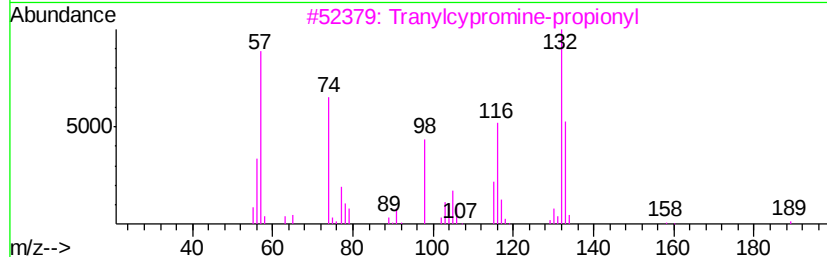
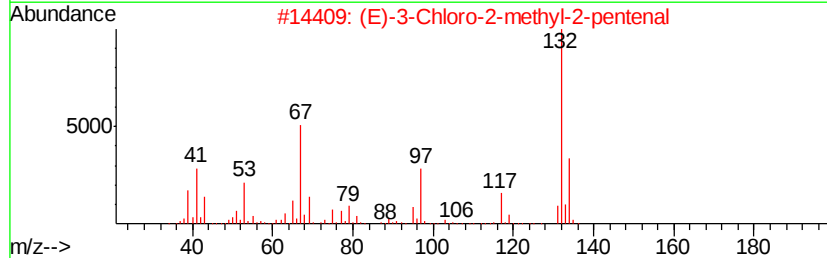
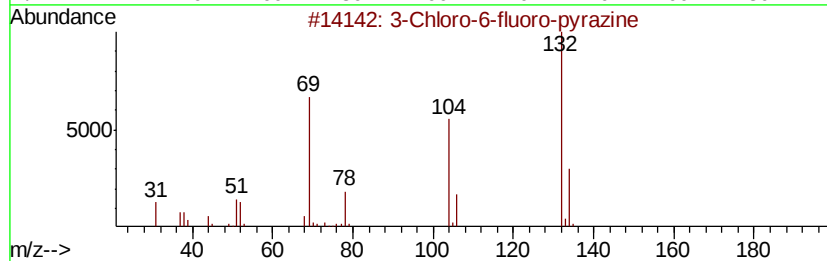
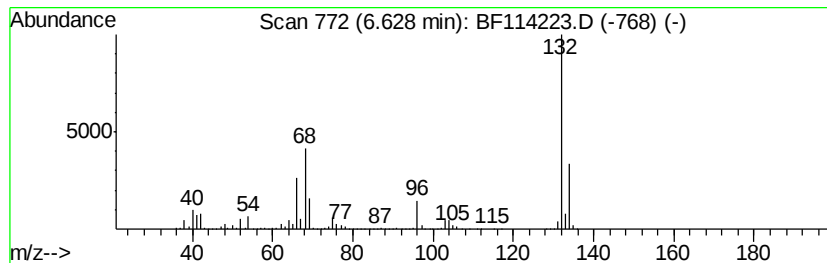
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.63 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	40.35 ng	3605600	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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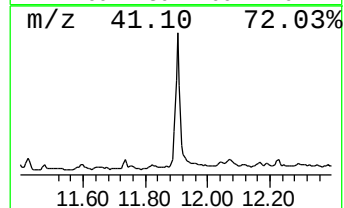
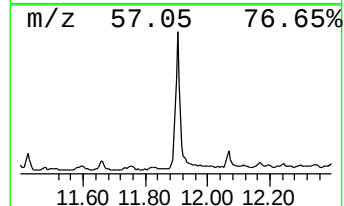
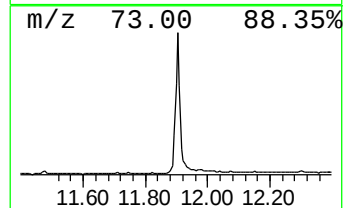
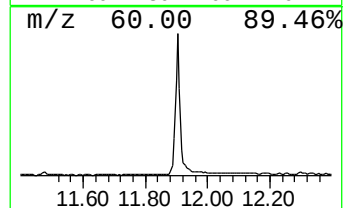
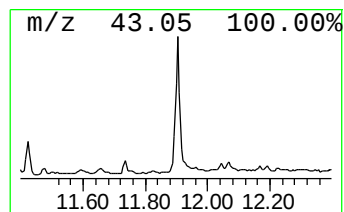
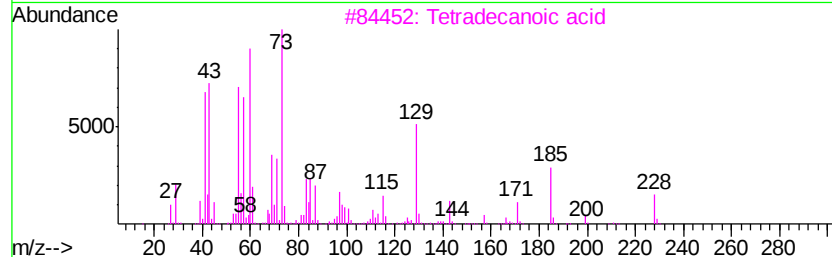
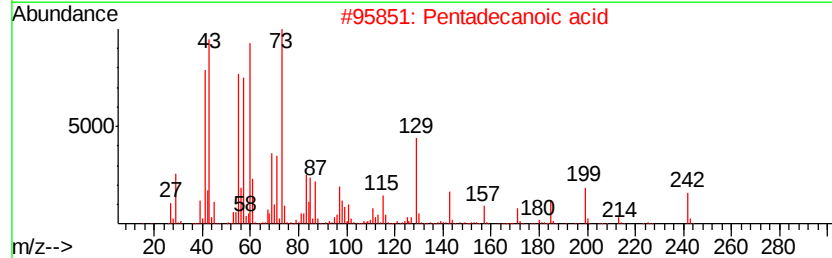
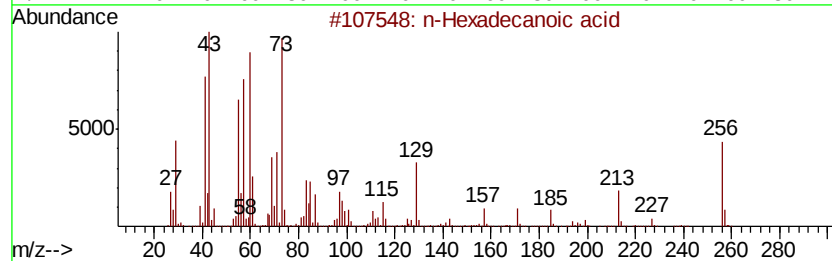
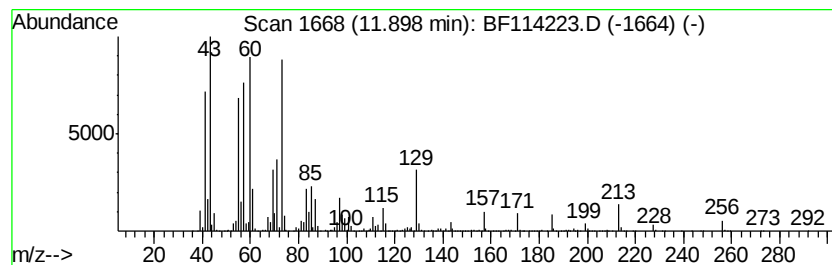
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.90	22.13 ng	3013050	Phenanthrene-d10	11.37		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4		Tridecanoic acid	214	C13H26O2	000638-53-9	81
5		Undecanoic acid	186	C11H22O2	000112-37-8	68



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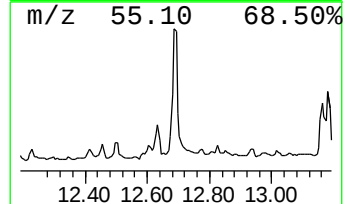
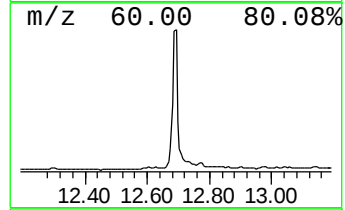
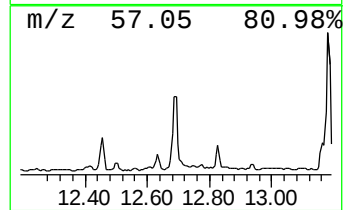
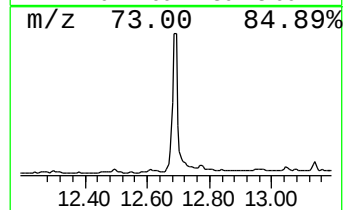
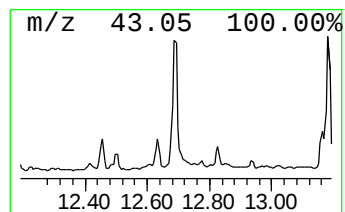
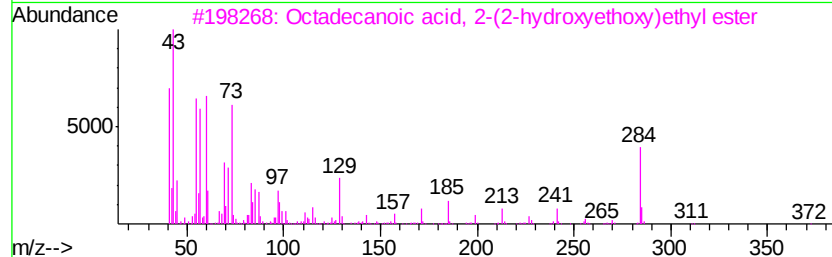
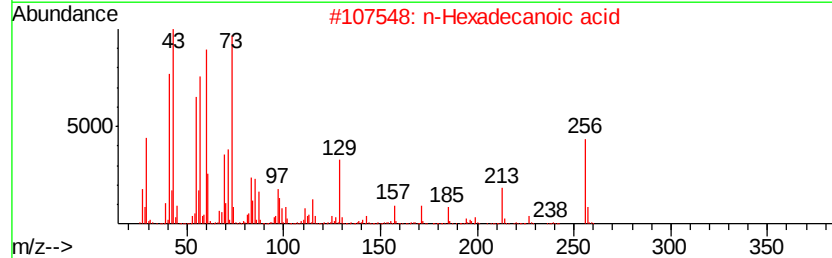
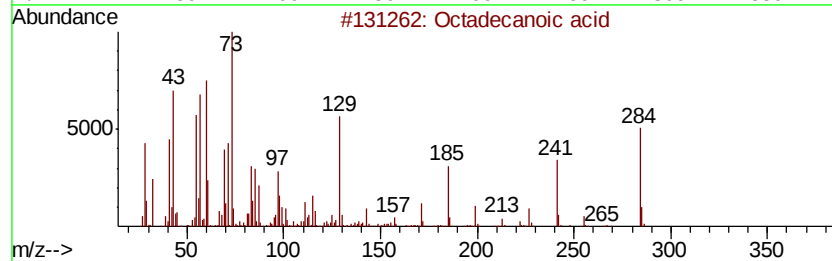
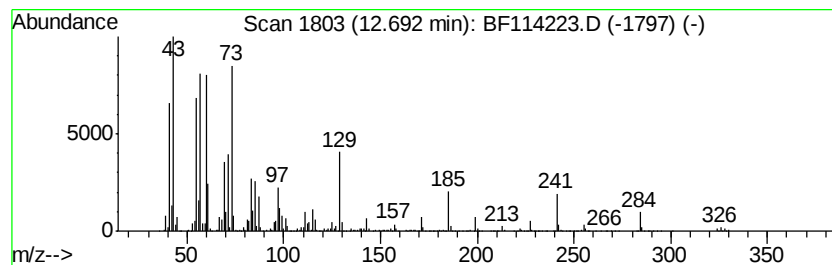
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	24.48 ng	3332700	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	83
4		n-Decanoic acid	172	C10H20O2	000334-48-5	64
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

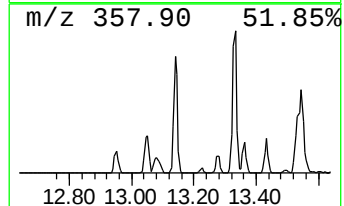
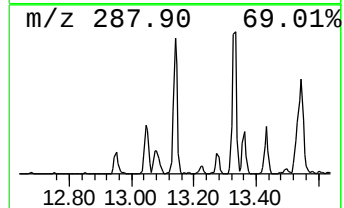
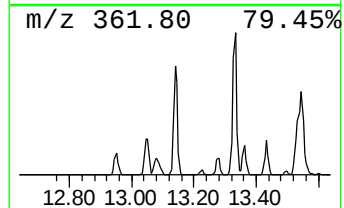
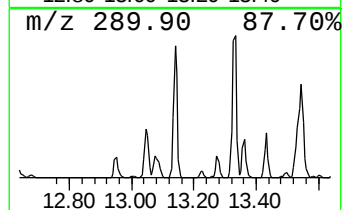
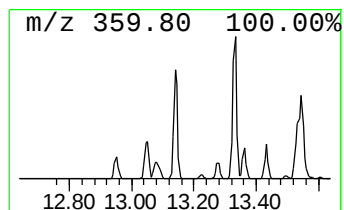
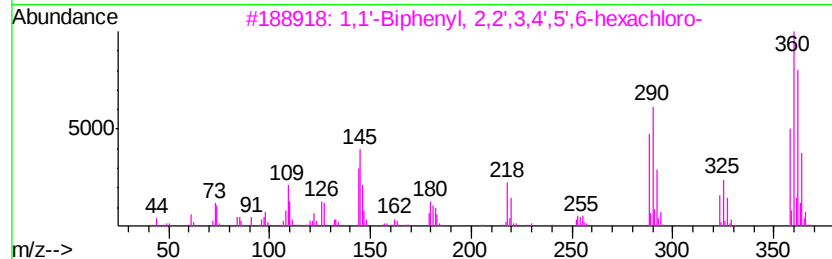
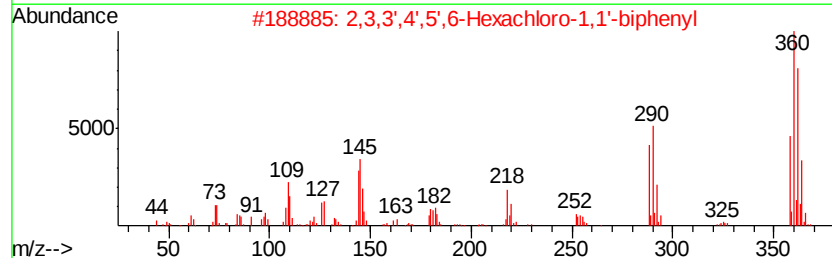
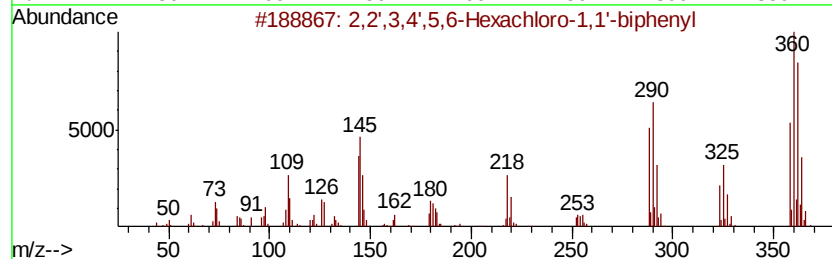
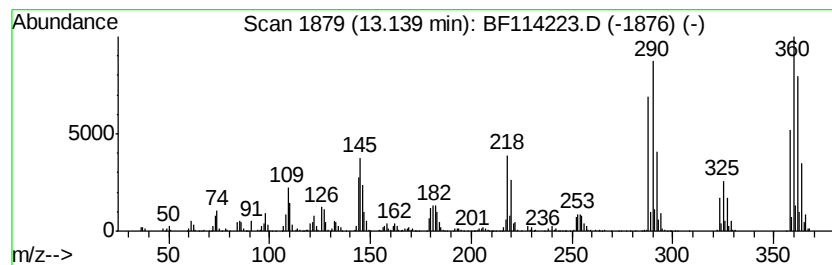
Instrument :
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ClientSampleId :
P026-SS008-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2,2',3,4',5,6-Hexachloro-1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.14	14.53 ng	1457970	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99	
2	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99	
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99	
4	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99	
5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114223.D
 Acq On : 13 May 2019 12:47
 Operator : JU/SJ
 Sample : K2766-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 P026-SS008-0206-01

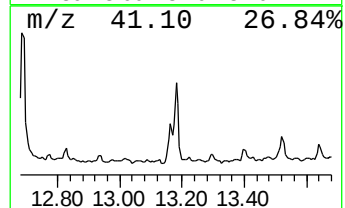
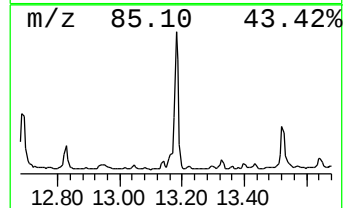
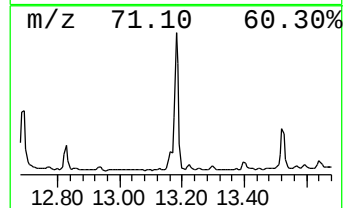
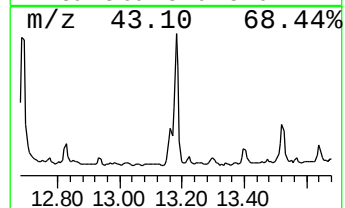
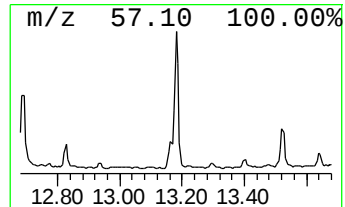
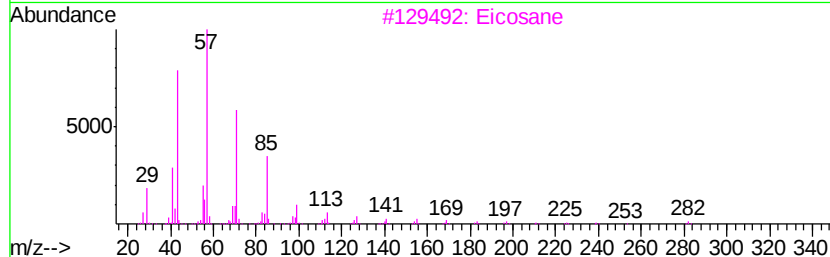
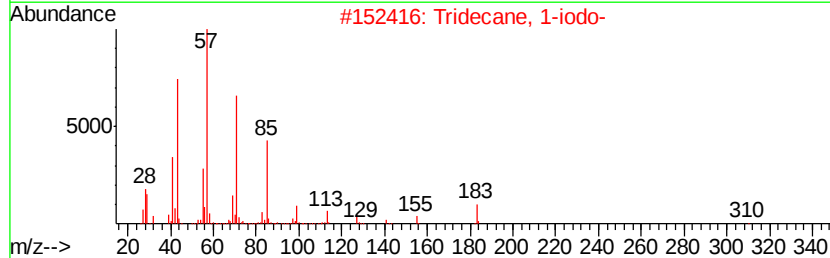
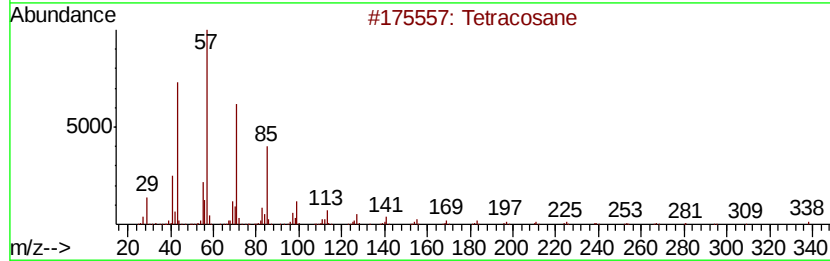
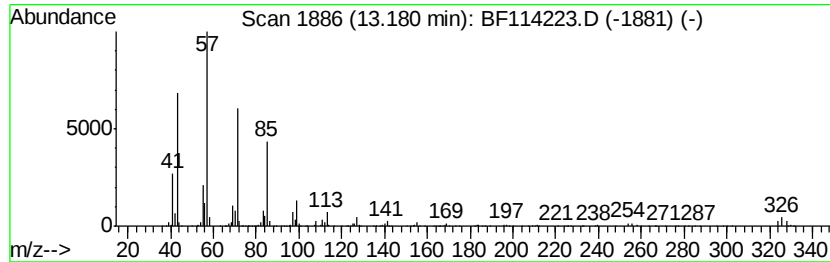
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 7 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	19.09 ng	1915460	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	87
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3		Eicosane	282	C20H42	000112-95-8	86
4		Pentacosane	352	C25H52	000629-99-2	86
5		Hexadecane	226	C16H34	000544-76-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

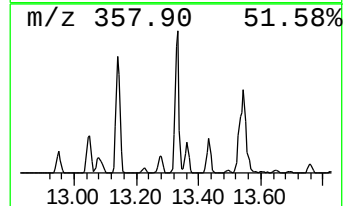
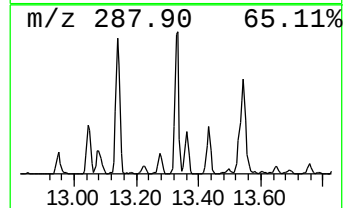
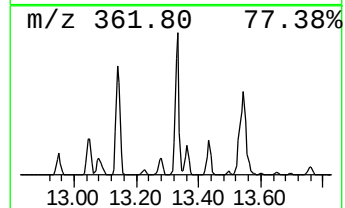
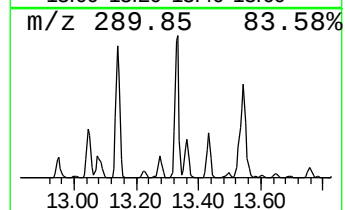
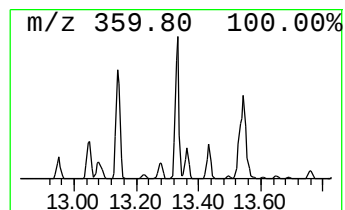
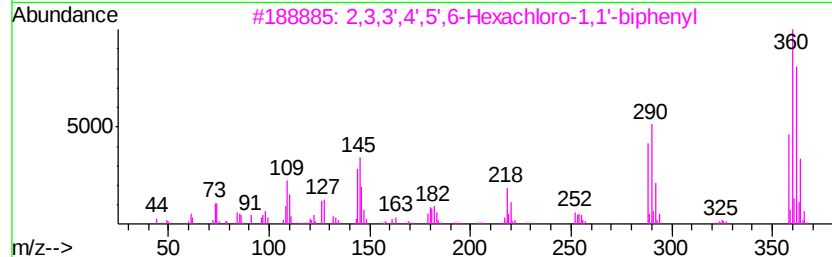
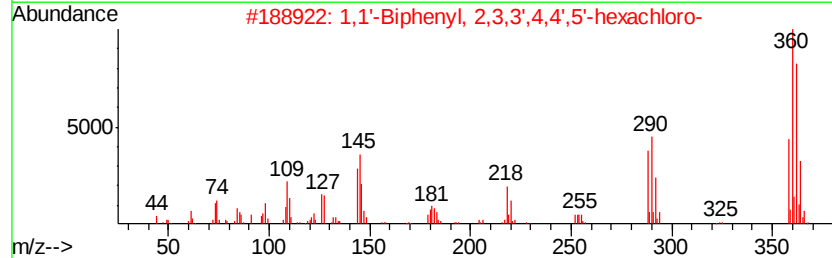
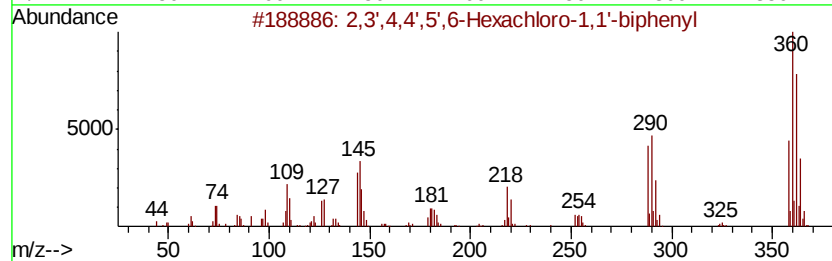
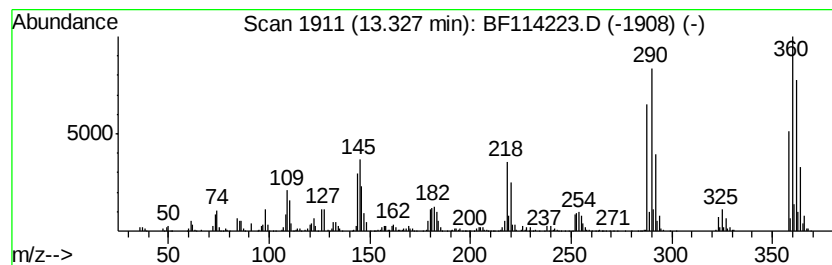
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.33	15.86 ng	1591810	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99	
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99	
3	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99	
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99	
5	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

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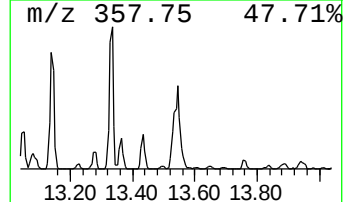
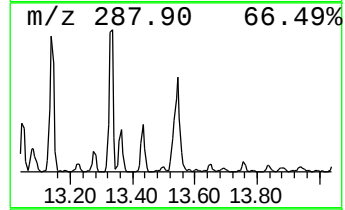
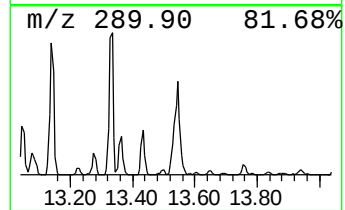
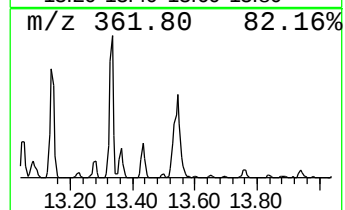
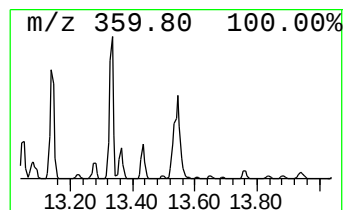
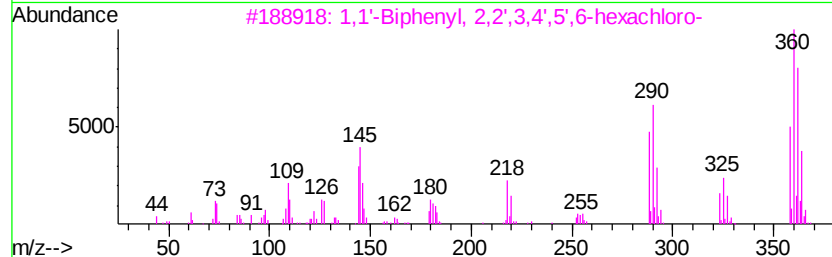
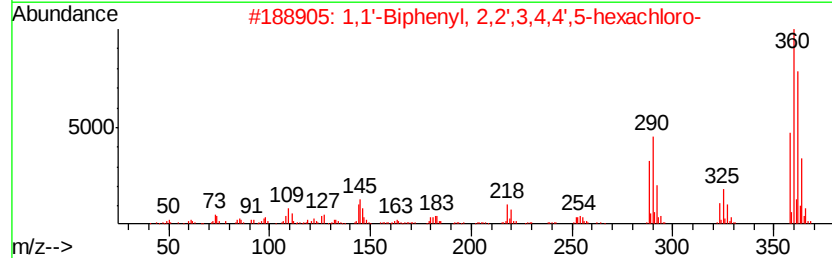
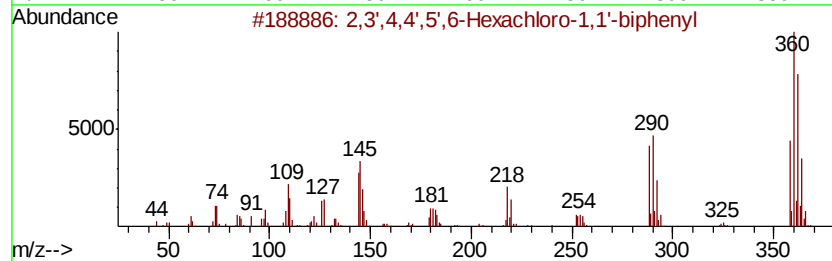
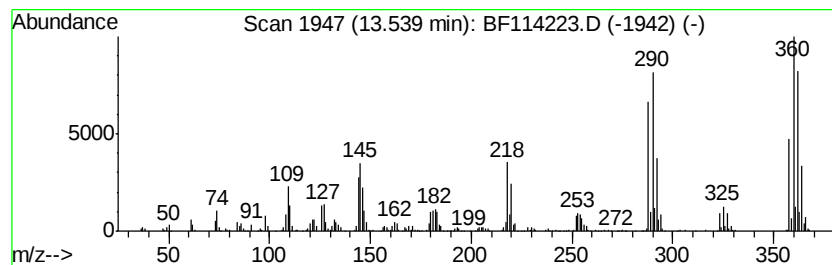
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	19.12 ng	1918840	Chrysene-d12	14.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3'	4,4'	5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2	1,1'-Biphenyl,	2,2'	3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
3	1,1'-Biphenyl,	2,2'	3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
4	1,1'-Biphenyl,	2,3,3'	4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
5	2,3,3'	4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

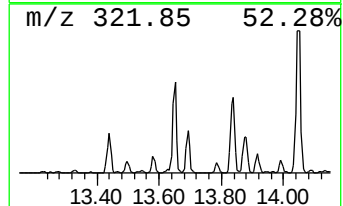
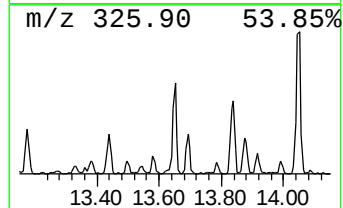
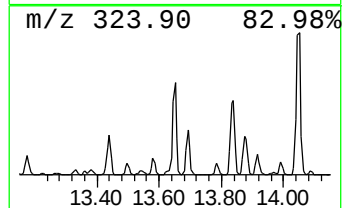
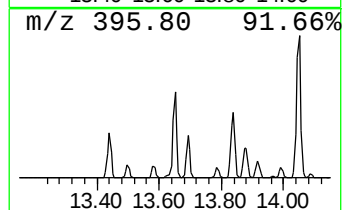
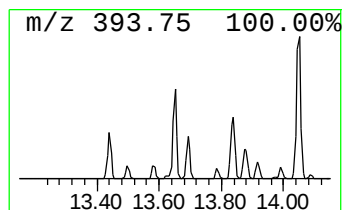
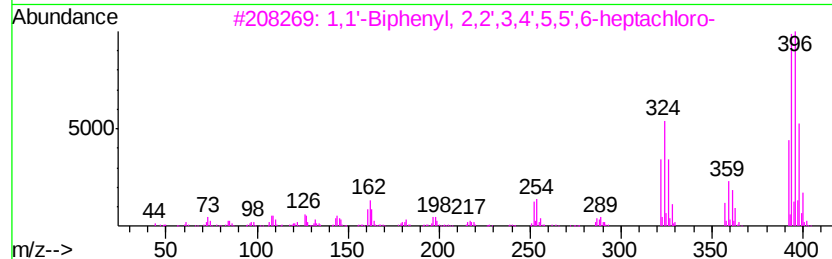
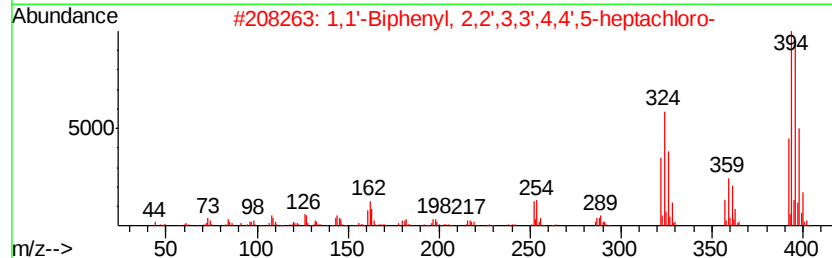
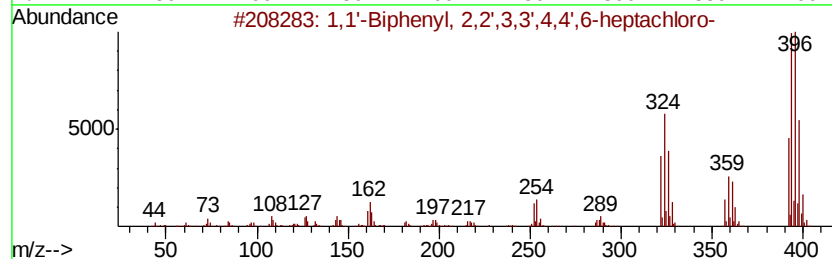
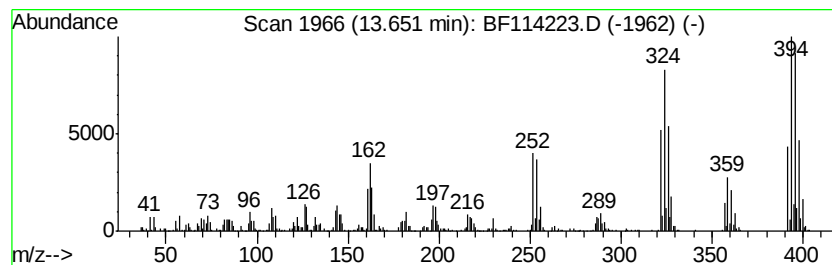
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.65	11.20 ng	1123970	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99	
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99	
3	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99	
4	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99	
5	1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

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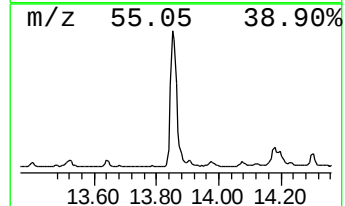
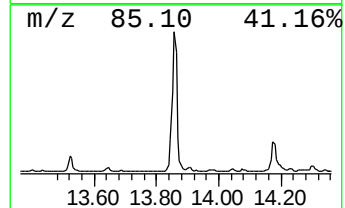
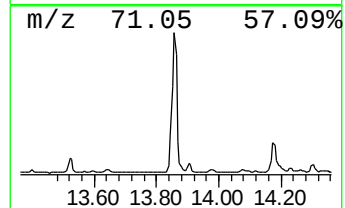
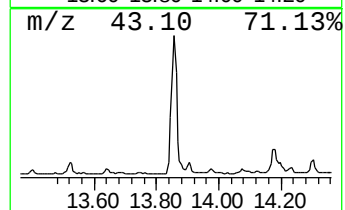
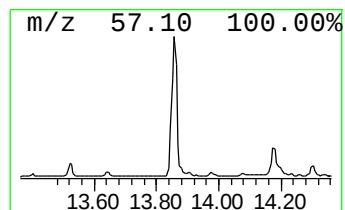
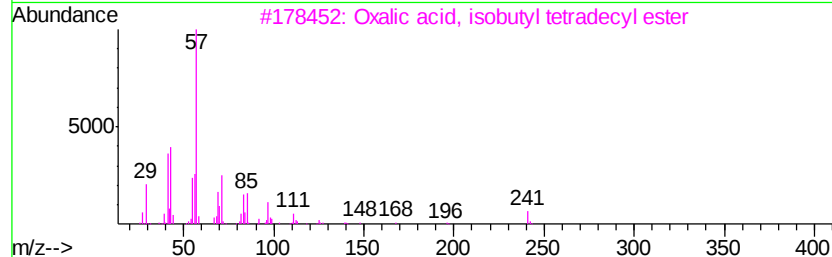
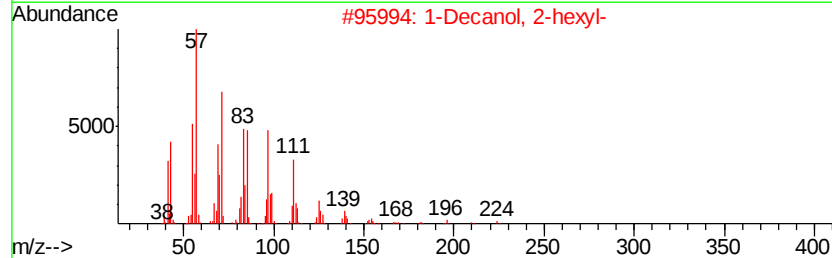
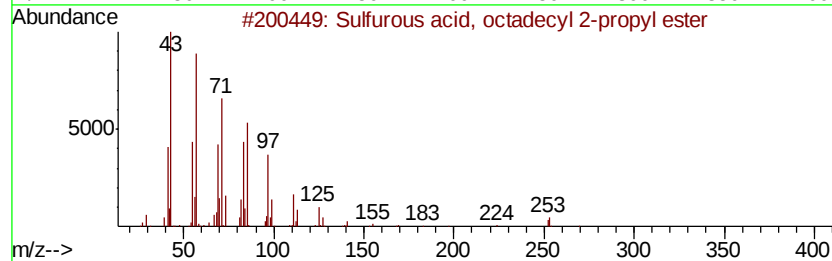
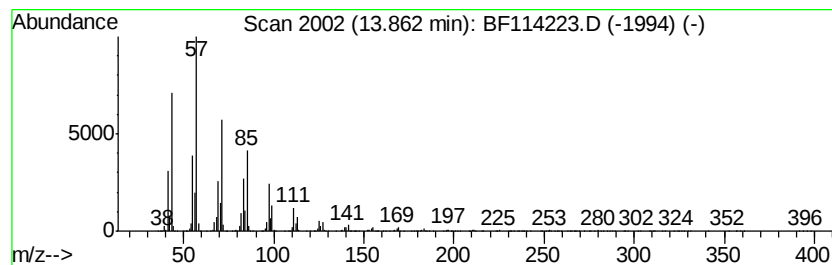
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Sulfurous acid, octadecyl 2... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	96.07 ng	9640120	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
2		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	90
3		Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	83
4		1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	83
5		Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS008-0206-01

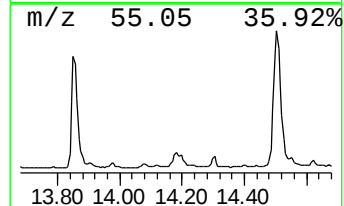
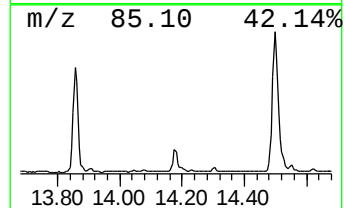
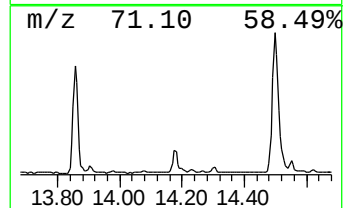
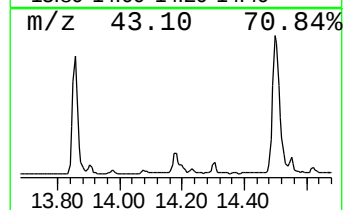
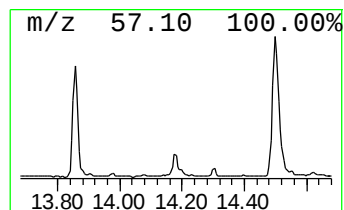
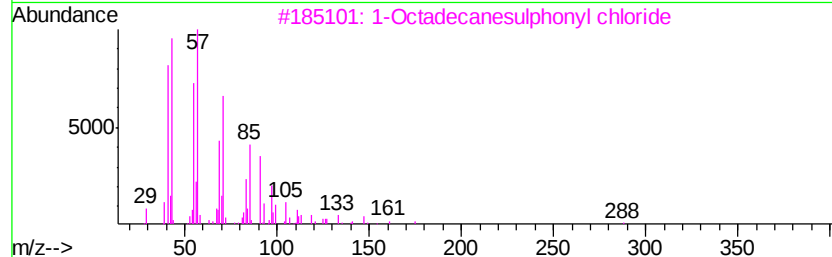
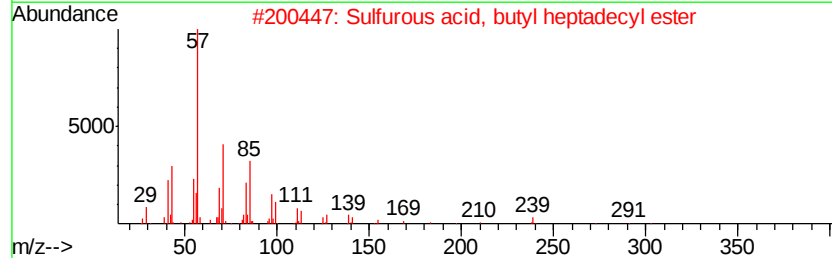
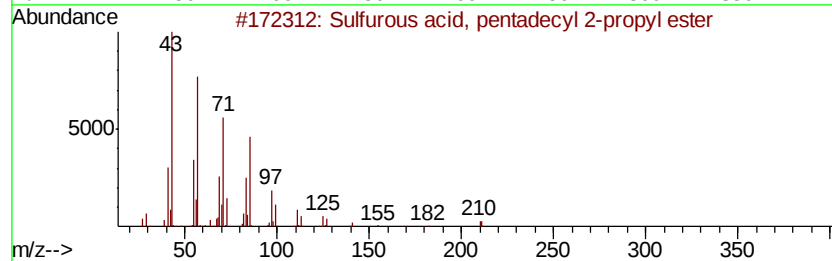
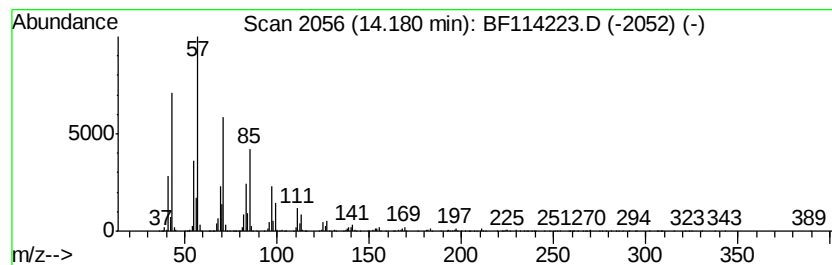
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Sulfurous acid, pentadecyl ... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	11.97 ng	1201280	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
2		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	91
3		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	87
4		Octadecane	254	C18H38	000593-45-3	70
5		Heneicosane	296	C21H44	000629-94-7	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Sample : K2766-11
Misc :
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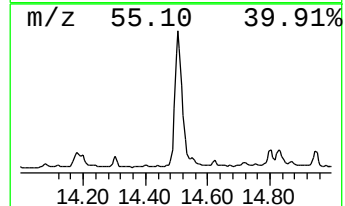
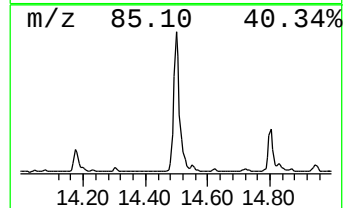
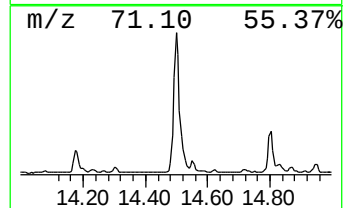
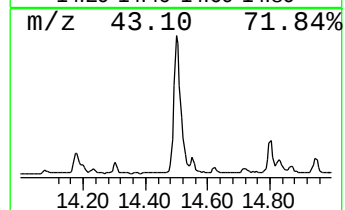
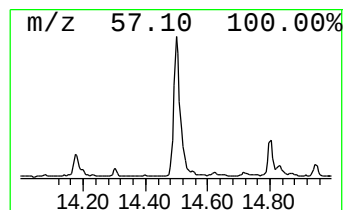
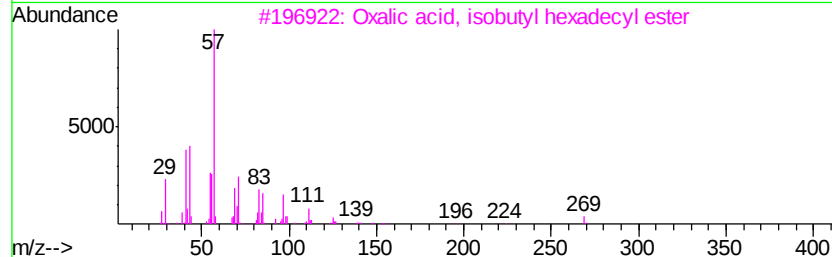
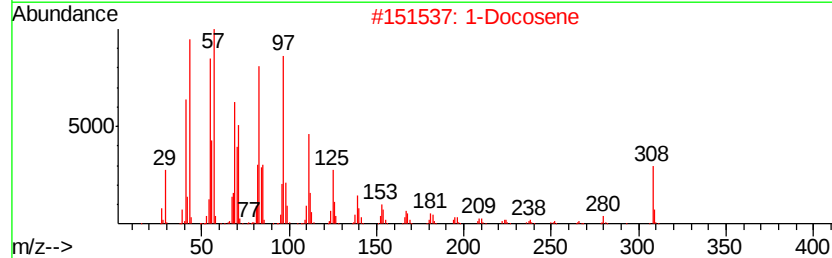
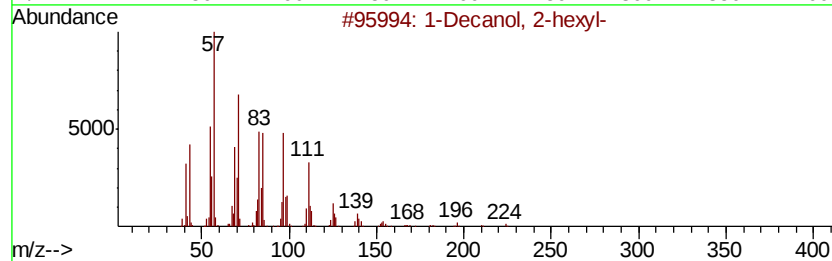
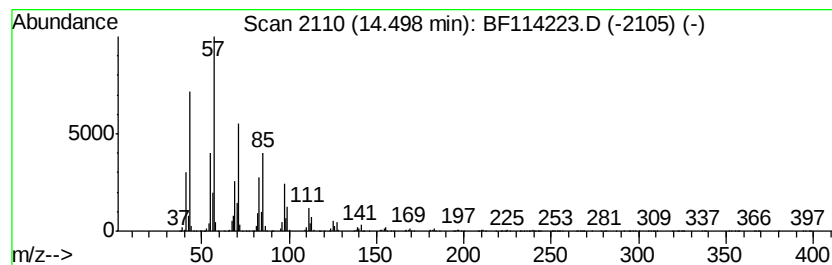
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Decanol, 2-hexyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	129.08 ng	12952000	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Decanol, 2-hexyl-	242 C16H34O	002425-77-6 91
2		1-Docosene	308 C22H44	001599-67-3 91
3		Oxalic acid, isobutyl hexadecyl ...	370 C22H42O4	1000309-38-1 91
4		Tricosyl heptafluorobutylate	536 C27H47F7O2	1000351-83-4 91
5		1-Dodecanol, 2-octyl-	298 C20H42O	005333-42-6 91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
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Sample : K2766-11
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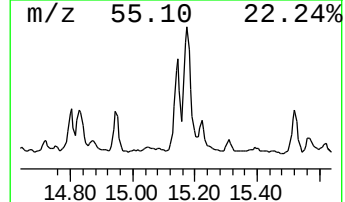
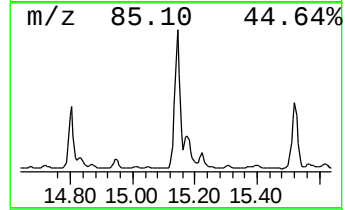
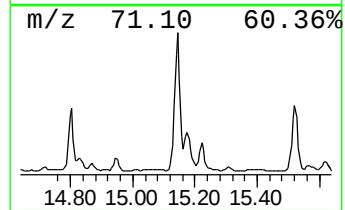
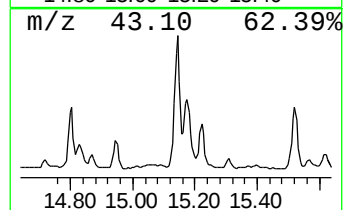
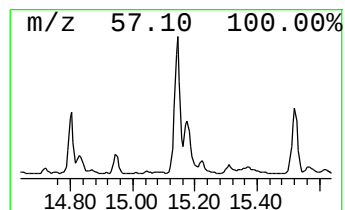
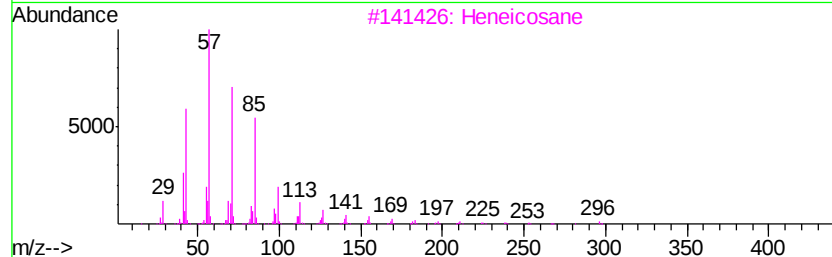
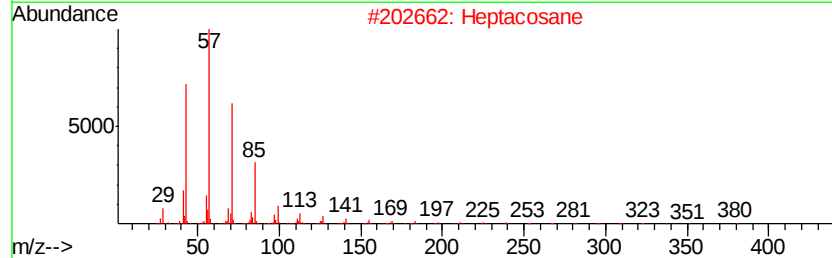
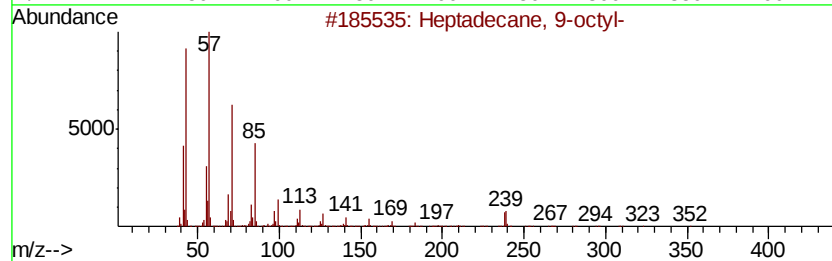
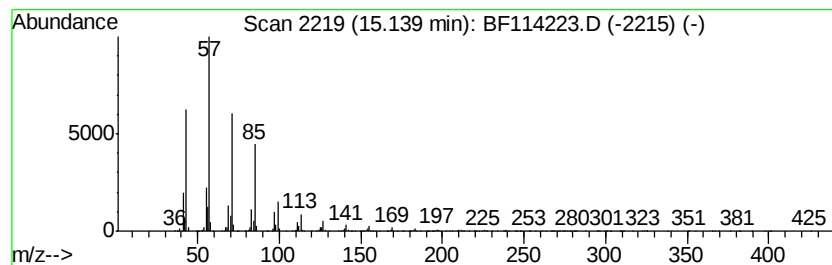
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptadecane, 9-octyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	20.56 ng	3980380	Perylene-d12	15.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptadecane, 9-octyl-	352 C25H52	007225-64-1 97
2		Heptacosane	380 C27H56	000593-49-7 91
3		Heneicosane	296 C21H44	000629-94-7 90
4		Tetracosane	338 C24H50	000646-31-1 90
5		triacontane	422 C30H62	000638-68-6 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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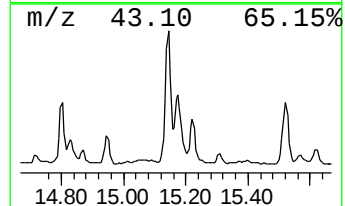
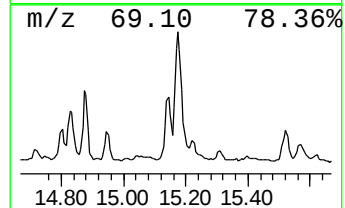
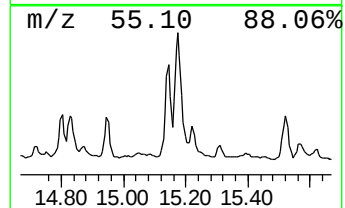
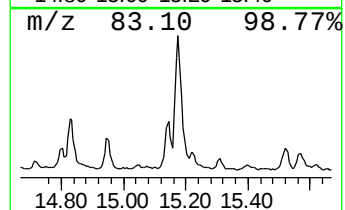
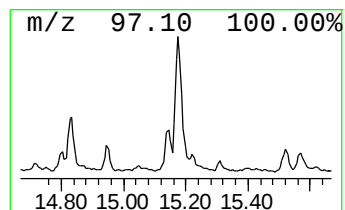
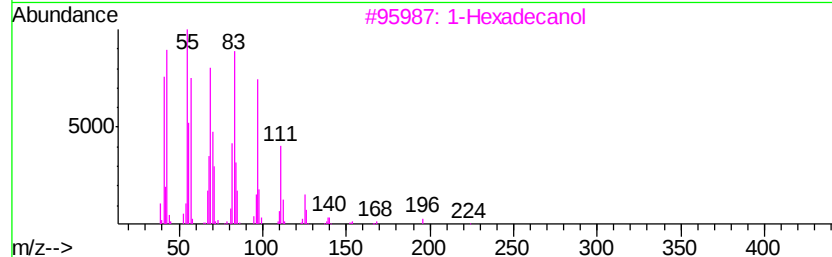
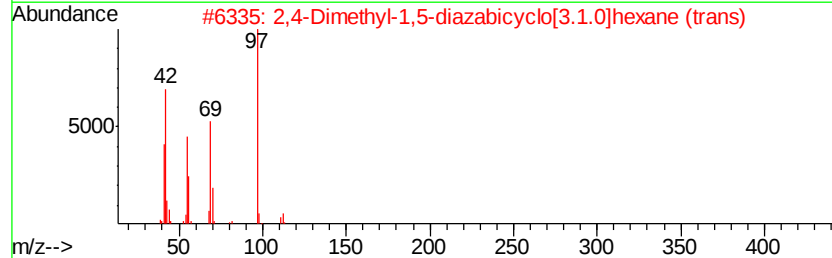
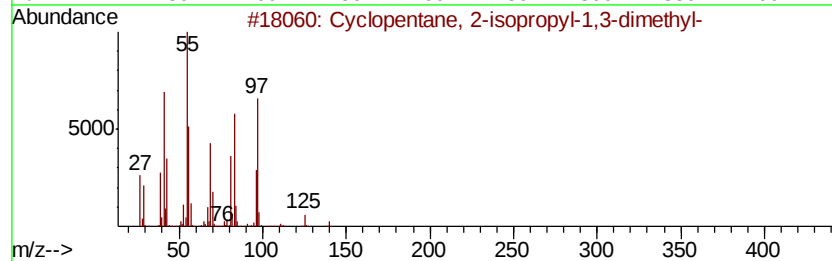
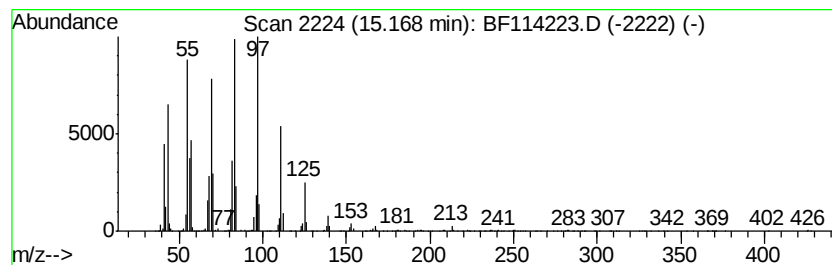
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopentane, 2-isopropyl-1... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	18.92 ng	3662730	Perylene-d12	15.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 2-isopropyl-1,3-di...	140 C10H20	032281-85-9 68
2		2,4-Dimethyl-1,5-diazabicyclo[3....	112 C6H12N2	1000283-20-9 43
3		1-Hexadecanol	242 C16H34O	036653-82-4 43
4		Cycloheptane, methyl-	112 C8H16	004126-78-7 38
5		2-Pentene-1,4-dione, 1-(1,2,2-tr...	208 C13H20O2	1000196-77-9 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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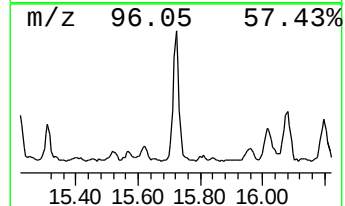
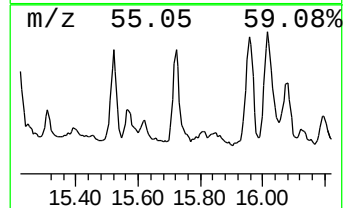
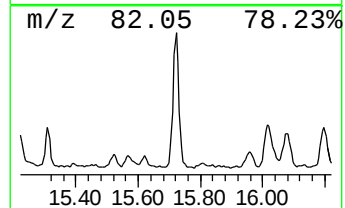
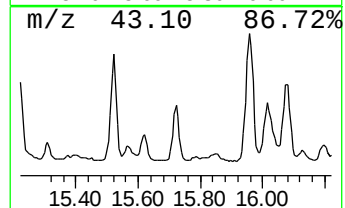
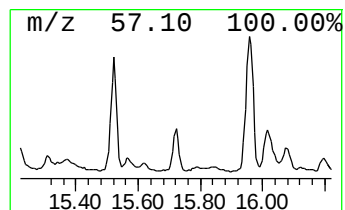
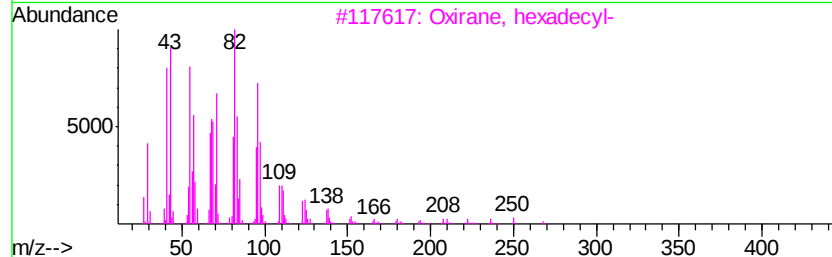
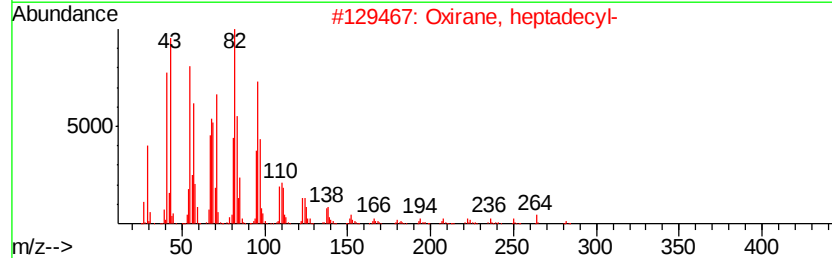
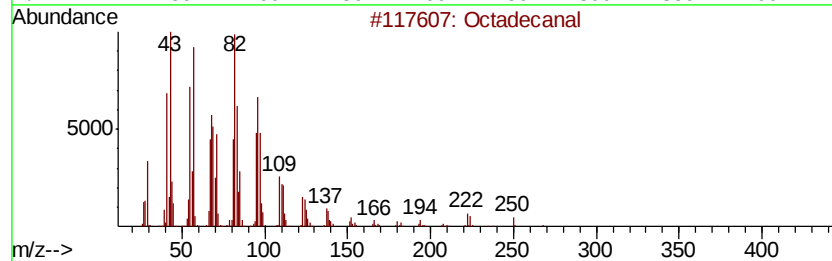
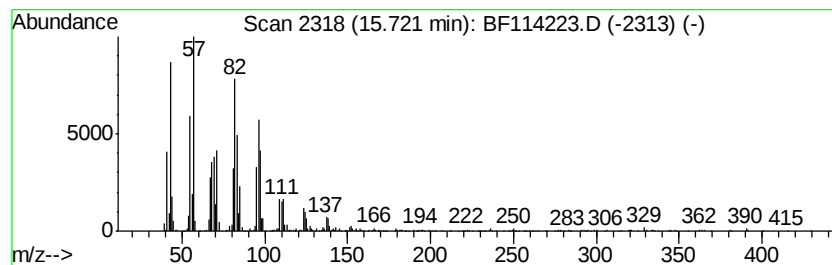
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Octadecanal Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	10.24 ng	1981460	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanal	268	C18H36O	000638-66-4	91
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
4		17-Octadecenal	266	C18H34O	056554-86-0	86
5		Tetradecanal	212	C14H28O	000124-25-4	86



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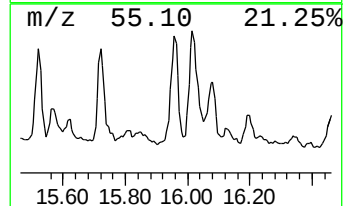
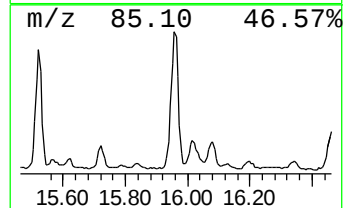
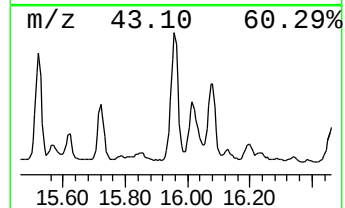
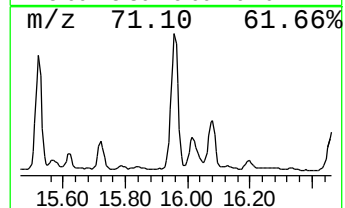
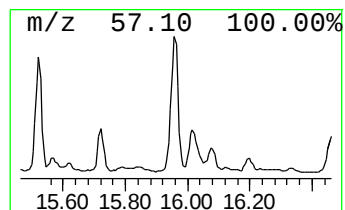
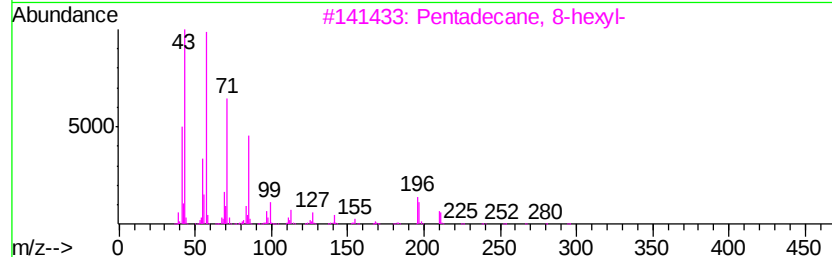
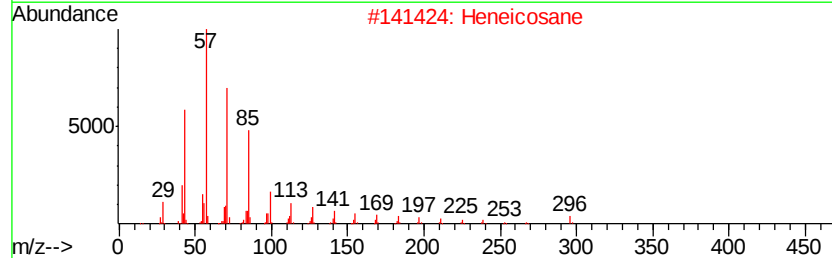
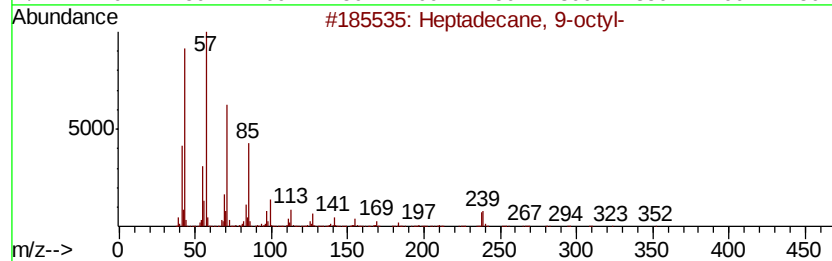
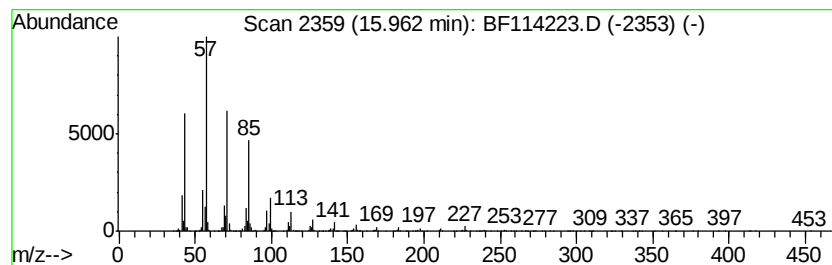
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	15.30 ng	2961990	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	97
2		Heneicosane	296	C21H44	000629-94-7	96
3		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
4		Hexacosane	366	C26H54	000630-01-3	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
Acq On : 13 May 2019 12:47
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ALS Vial : 4 Sample Multiplier: 1

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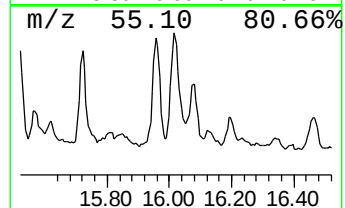
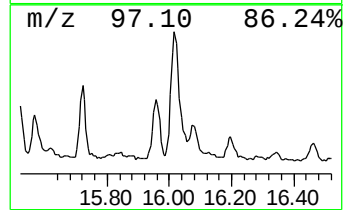
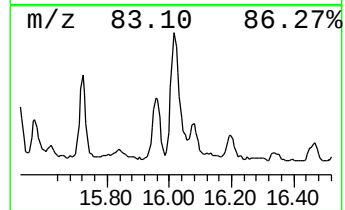
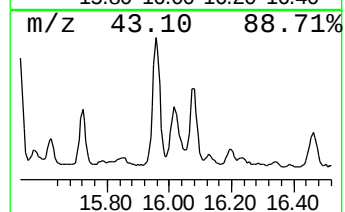
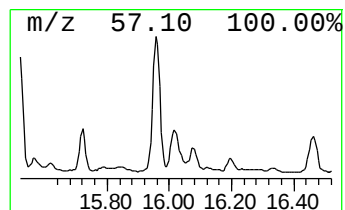
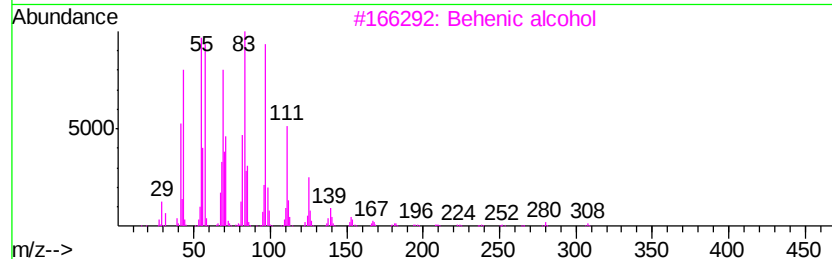
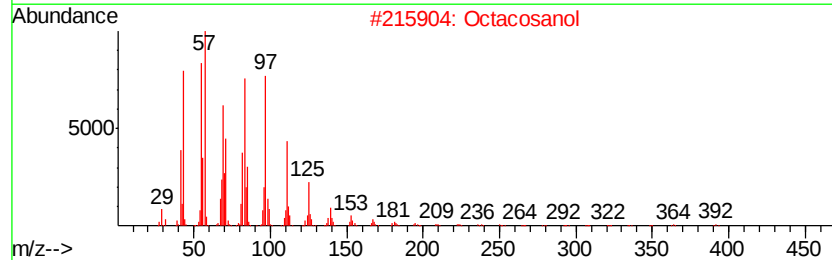
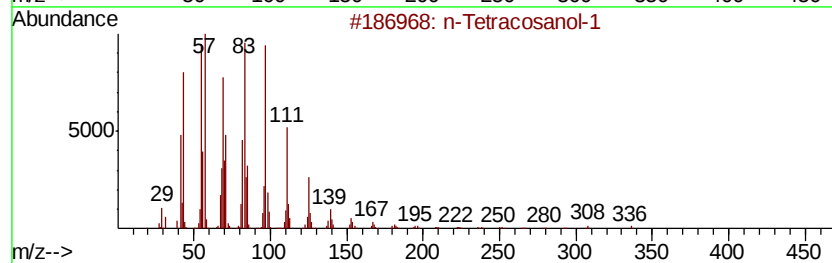
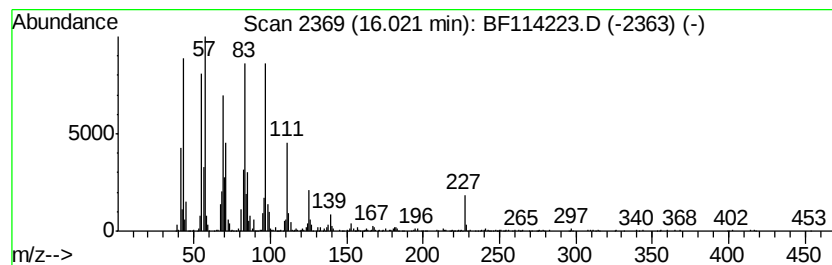
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 n-Tetracosanol-1 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	13.18 ng	2550880	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2		Octacosanol	410	C28H58O	000557-61-9	93
3		Behenic alcohol	326	C22H46O	000661-19-8	91
4		1-Heptacosanol	396	C27H56O	002004-39-9	91
5		1-Docosene	308	C22H44	001599-67-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114223.D
 Acq On : 13 May 2019 12:47
 Operator : JU/SJ
 Sample : K2766-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 P026-SS008-0206-01

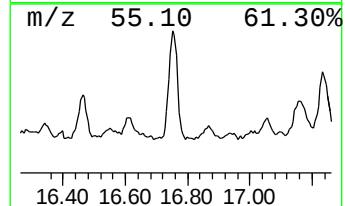
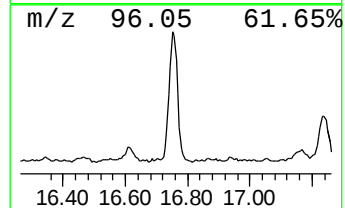
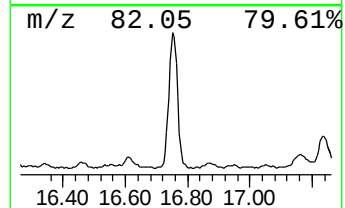
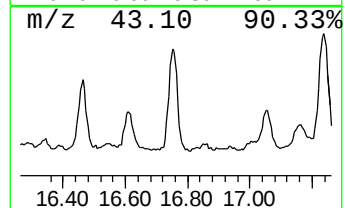
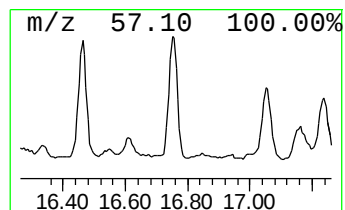
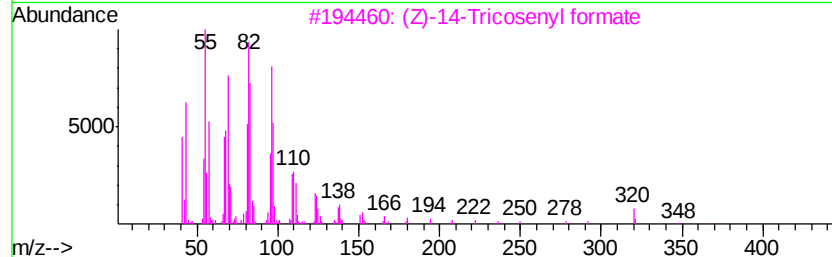
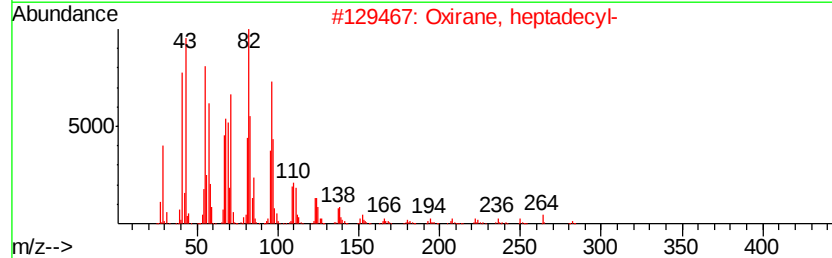
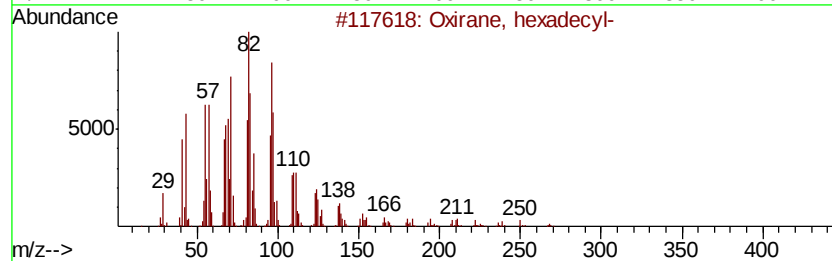
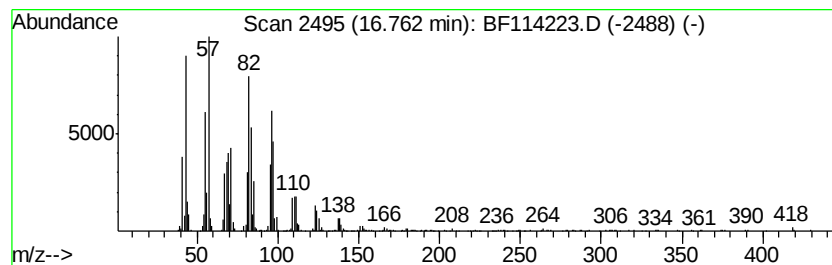
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 19 Oxirane, hexadecyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	10.42 ng	2017750	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3		(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	90
4		Octadecanal	268	C18H36O	000638-66-4	90
5		1,19-Eicosadiene	278	C20H38	014811-95-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114223.D
Acq On : 13 May 2019 12:47
Operator : JU/SJ
Sample : K2766-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS008-0206-01

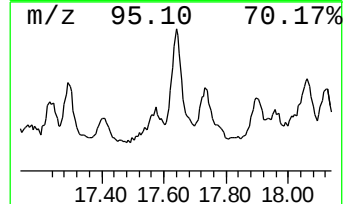
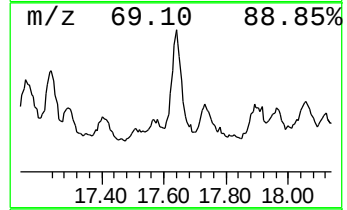
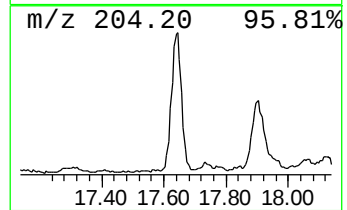
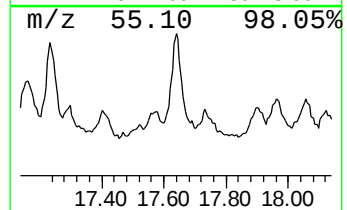
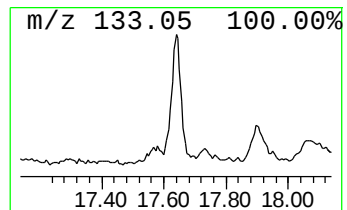
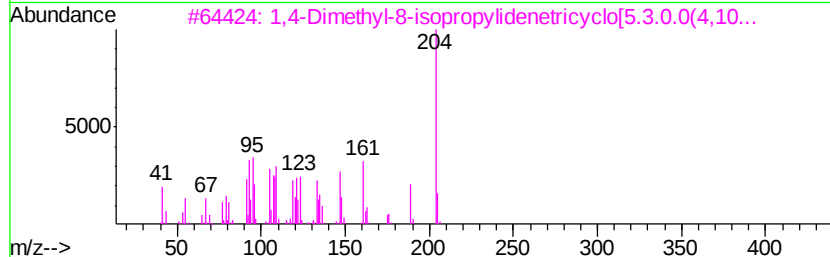
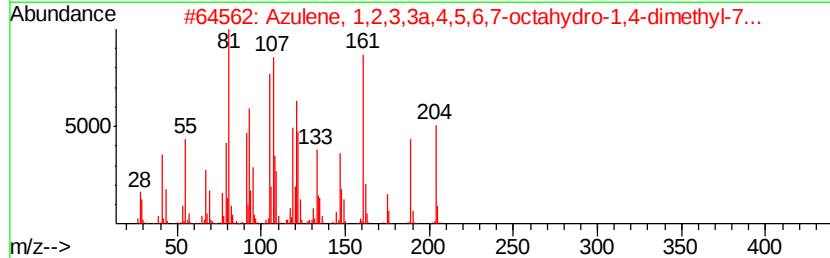
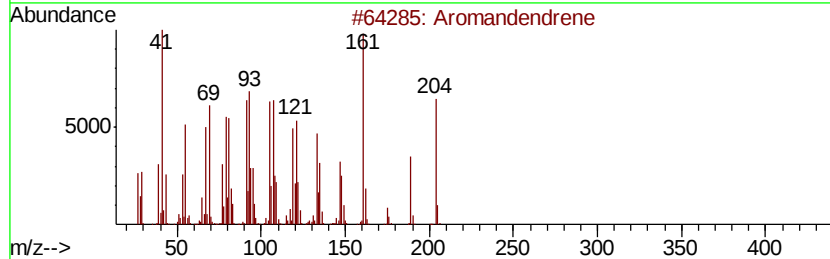
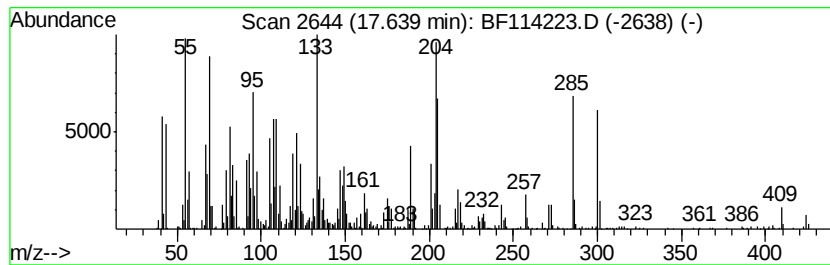
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Aromandendrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	12.45 ng	2410530	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Aromandendrene	204	C15H24	000489-39-4	50
2		Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	46
3		1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	43
4		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	41
5		Humulane-1,6-dien-3-ol	222	C15H26O	1000140-23-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114223.D
 Acq On : 13 May 2019 12:47
 Operator : JU/SJ
 Sample : K2766-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
Toluene	3.92	14.4	ng	1284990	1	6.85	1787310	20.0
unknown6.63	6.63	40.4	ng	3605600	1	6.85	1787310	20.0
n-Hexadecanoic acid	11.90	22.1	ng	3013050	4	11.37	2722910	20.0
Octadecanoic acid	12.69	24.5	ng	3332700	4	11.37	2722910	20.0
2,2',3,4',5,6-Hex...	13.14	14.5	ng	1457970	5	14.02	2006890	20.0
Tetracosane	13.18	19.1	ng	1915460	5	14.02	2006890	20.0
2,3',4,4',5',6-He...	13.33	15.9	ng	1591810	5	14.02	2006890	20.0
1,1'-Biphenyl, 2,...	13.54	19.1	ng	1918840	5	14.02	2006890	20.0
1,1'-Biphenyl, 2,...	13.65	11.2	ng	1123970	5	14.02	2006890	20.0
Sulfurous acid, o...	13.86	96.1	ng	9640120	5	14.02	2006890	20.0
Sulfurous acid, p...	14.18	12.0	ng	1201280	5	14.02	2006890	20.0
1-Decanol, 2-hexyl-	14.50	129.1	ng	12952000	5	14.02	2006890	20.0
Heptadecane, 9-oc...	15.14	20.6	ng	3980380	6	15.51	3871130	20.0
Cyclopentane, 2-i...	15.17	18.9	ng	3662730	6	15.51	3871130	20.0
Octadecanal	15.72	10.2	ng	1981460	6	15.51	3871130	20.0
Heneicosane	15.96	15.3	ng	2961990	6	15.51	3871130	20.0
n-Tetracosanol-1	16.02	13.2	ng	2550880	6	15.51	3871130	20.0
Oxirane, hexadecyl-	16.76	10.4	ng	2017750	6	15.51	3871130	20.0
Aromandendrene	17.64	12.4	ng	2410530	6	15.51	3871130	20.0