

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112010.D
 Acq On : 11 Jan 2019 12:57
 Operator : JU/SJ
 Sample : K1124-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ER-SOIL

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-BF010719.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	2.175	11	15	31	rVB2	72198	156036	5.07%	0.348%
2	5.092	503	511	518	rBV	157339	188100	6.11%	0.419%
3	5.510	577	582	585	rBV	2940626	2766826	89.85%	6.167%
4	6.157	689	692	696	rBV	276280	237039	7.70%	0.528%
5	6.516	748	753	761	rBV	2408678	2636307	85.61%	5.876%
6	6.581	761	764	771	rVV	71780	65888	2.14%	0.147%
7	6.651	771	776	779	rVV	2682237	2593492	84.22%	5.780%
8	6.698	781	784	789	rVB	77691	66858	2.17%	0.149%
9	6.869	810	813	817	rBV	829171	754321	24.50%	1.681%
10	6.934	821	824	831	rVB2	38148	47381	1.54%	0.106%
11	6.992	831	834	836	rBV	49564	45375	1.47%	0.101%
12	7.028	836	840	844	rVV	2109639	1887560	61.30%	4.207%
13	7.433	901	909	912	rBV	1674507	1668739	54.19%	3.719%
14	7.463	912	914	919	rVB	45753	56578	1.84%	0.126%
15	7.551	924	929	932	rVB	42428	47690	1.55%	0.106%
16	7.686	948	952	955	rBV	147741	148602	4.83%	0.331%
17	7.857	978	981	985	rVV	175136	180546	5.86%	0.402%
18	7.898	985	988	991	rVB	145881	119243	3.87%	0.266%
19	7.957	994	998	1000	rBV	71856	62106	2.02%	0.138%
20	8.057	1011	1015	1018	rBV	296781	272862	8.86%	0.608%
21	8.092	1018	1021	1023	rBV	155053	154588	5.02%	0.345%
22	8.110	1023	1024	1028	rVB3	131520	82503	2.68%	0.184%
23	8.157	1028	1032	1033	rBV	1026161	930877	30.23%	2.075%
24	8.180	1033	1036	1039	rVB	1664933	1278785	41.53%	2.850%
25	8.280	1050	1053	1056	rBV	251471	222593	7.23%	0.496%
26	8.380	1066	1070	1076	rBV3	49862	74850	2.43%	0.167%
27	8.498	1085	1090	1093	rBV6	30987	41152	1.34%	0.092%
28	8.763	1131	1135	1142	rBV3	93051	113829	3.70%	0.254%
29	8.863	1149	1152	1155	rBV2	52753	70434	2.29%	0.157%
30	8.892	1155	1157	1160	rVV	271461	220220	7.15%	0.491%
31	8.927	1160	1163	1169	rVB2	60301	73641	2.39%	0.164%
32	9.016	1175	1178	1181	rBV2	80828	82598	2.68%	0.184%
33	9.051	1181	1184	1186	rVV2	83088	83752	2.72%	0.187%
34	9.075	1186	1188	1191	rVV3	55798	64768	2.10%	0.144%

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35	9.122	1191	1196	1197	rVV3	47098	72018	2.34%	0.161%
36	9.139	1197	1199	1204	rVB	58014	56736	1.84%	0.126%
37	9.227	1209	1214	1217	rBV	2838903	2391153	77.65%	5.329%
38	9.286	1222	1224	1229	rVB	102551	99556	3.23%	0.222%
39	9.345	1232	1234	1236	rBV	54884	52227	1.70%	0.116%
40	9.545	1262	1268	1275	rVB4	163927	222165	7.21%	0.495%
41	9.622	1277	1281	1284	rBV	768242	699598	22.72%	1.559%
42	9.910	1324	1330	1334	rVB	1227609	1083268	35.18%	2.414%
43	9.951	1334	1337	1345	rVB3	59704	82506	2.68%	0.184%
44	10.027	1346	1350	1352	rBV2	45313	56598	1.84%	0.126%
45	10.045	1352	1353	1360	rVB6	43719	51988	1.69%	0.116%
46	10.116	1360	1365	1369	rBV2	51338	75356	2.45%	0.168%
47	10.174	1369	1375	1378	rBV	241109	283238	9.20%	0.631%
48	10.204	1378	1380	1384	rVB	77657	67891	2.20%	0.151%
49	10.316	1396	1399	1401	rBV2	37115	41606	1.35%	0.093%
50	10.339	1401	1403	1407	rVB2	64635	59739	1.94%	0.133%
51	10.586	1442	1445	1448	rBV2	57770	73549	2.39%	0.164%
52	10.616	1448	1450	1455	rVV2	70584	73289	2.38%	0.163%
53	10.698	1459	1464	1468	rBV	1819281	1730238	56.19%	3.856%
54	11.045	1518	1523	1531	rBV	454544	510941	16.59%	1.139%
55	11.227	1551	1554	1558	rBV3	39241	41272	1.34%	0.092%
56	11.398	1577	1583	1590	rBV	1076190	1064740	34.58%	2.373%
57	11.533	1603	1606	1611	rVB2	56812	53727	1.74%	0.120%
58	11.933	1665	1674	1682	rBV	1136836	1507597	48.96%	3.360%
59	12.063	1693	1696	1697	rBV2	58743	67174	2.18%	0.150%
60	12.104	1700	1703	1710	rVB4	136946	171774	5.58%	0.383%
61	12.221	1720	1723	1726	rBV	276080	221218	7.18%	0.493%
62	12.316	1736	1739	1742	rBV4	56028	85522	2.78%	0.191%
63	12.357	1743	1746	1748	rVV2	119255	147481	4.79%	0.329%
64	12.380	1748	1750	1757	rVB3	111705	126922	4.12%	0.283%
65	12.474	1762	1766	1771	rVV2	345698	373286	12.12%	0.832%
66	12.568	1779	1782	1786	rBV5	33849	63739	2.07%	0.142%
67	12.610	1786	1789	1790	rVV3	82895	76781	2.49%	0.171%
68	12.633	1790	1793	1799	rVV2	219744	278121	9.03%	0.620%
69	12.721	1800	1808	1817	rVV	1050510	1397244	45.38%	3.114%
70	12.857	1829	1831	1834	rBV3	64345	62154	2.02%	0.139%
71	12.980	1848	1852	1855	rVV	2159088	1796696	58.35%	4.005%

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72	13.021	1856	1859	1864	rVB2	74091	69535	2.26%	0.155%
73	13.086	1864	1870	1873	rVB2	460459	414583	13.46%	0.924%
74	13.186	1884	1887	1889	rVB3	57595	48620	1.58%	0.108%
75	13.292	1901	1905	1911	rBV	254817	384367	12.48%	0.857%
76	13.357	1911	1916	1919	rBV	3024136	3079269	100.00%	6.863%
77	13.486	1936	1938	1940	rVB	73780	47781	1.55%	0.106%
78	13.551	1947	1949	1952	rVB2	63777	51289	1.67%	0.114%
79	13.610	1956	1959	1965	rBV	242898	299988	9.74%	0.669%
80	13.715	1974	1977	1980	rBV2	117645	121764	3.95%	0.271%
81	13.851	1996	2000	2002	rBV	269183	267529	8.69%	0.596%
82	13.880	2002	2005	2010	rVB	186029	203102	6.60%	0.453%
83	13.998	2019	2025	2029	rBV2	986435	1179246	38.30%	2.628%
84	14.039	2029	2032	2039	rVB	997894	943673	30.65%	2.103%
85	14.192	2054	2058	2061	rBV2	132061	181261	5.89%	0.404%
86	14.251	2065	2068	2071	rBV2	167282	156510	5.08%	0.349%
87	14.280	2071	2073	2076	rVB	64630	55306	1.80%	0.123%
88	14.333	2080	2082	2087	rBV5	61158	86324	2.80%	0.192%
89	14.486	2104	2108	2122	rVB3	295914	734668	23.86%	1.637%
90	14.809	2160	2163	2166	rVB	135413	112493	3.65%	0.251%
91	14.886	2174	2176	2181	rVB	143777	146462	4.76%	0.326%
92	14.980	2188	2192	2197	rVB	180174	263405	8.55%	0.587%
93	15.151	2218	2221	2224	rVB	169945	175402	5.70%	0.391%
94	15.409	2262	2265	2269	rVB	194515	220068	7.15%	0.490%
95	15.521	2279	2284	2291	rBV2	812323	1265557	41.10%	2.821%
96	15.974	2357	2361	2366	rVB	125303	189967	6.17%	0.423%
97	16.239	2403	2406	2421	rVB2	160135	383141	12.44%	0.854%
98	16.486	2444	2448	2452	rBV2	67340	104071	3.38%	0.232%
99	16.545	2452	2458	2465	rVB	337045	578584	18.79%	1.290%
100	18.633	2806	2813	2823	rVB5	102426	287349	9.33%	0.640%

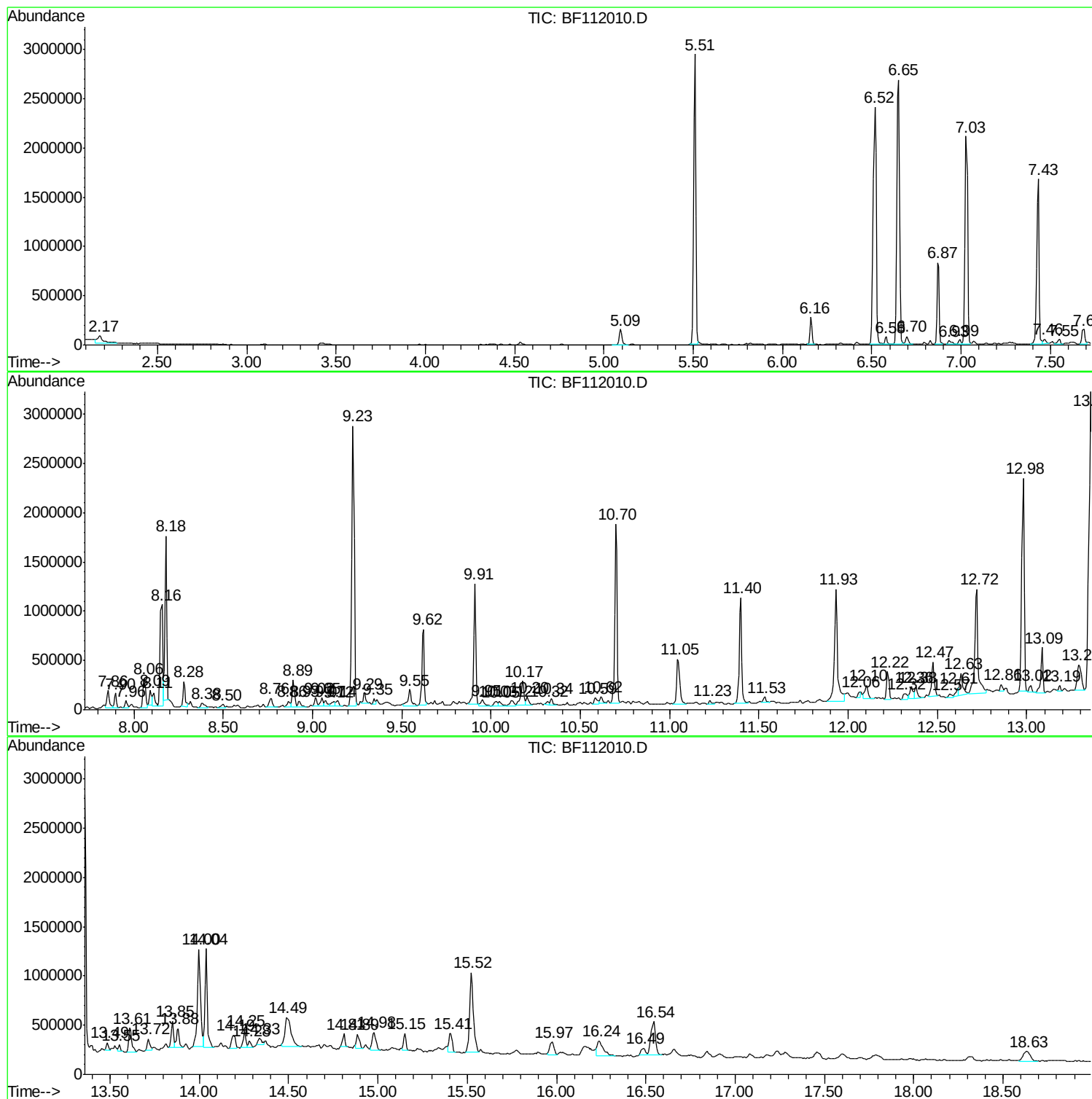
Sum of corrected areas: 44866561

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Instrument :
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ClientSampleId :
ER-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.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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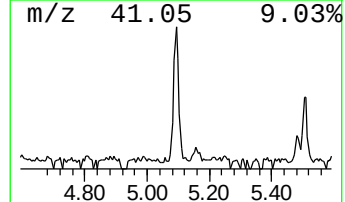
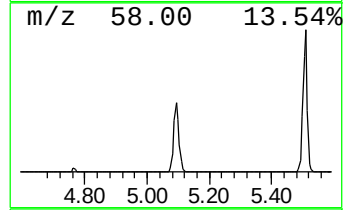
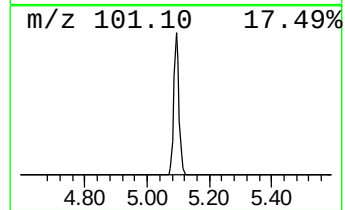
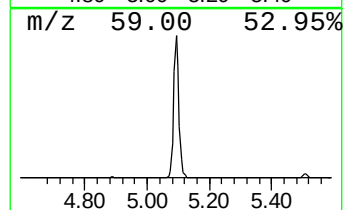
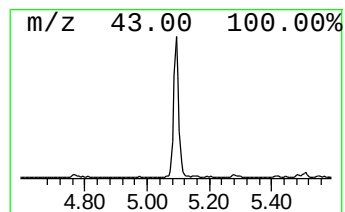
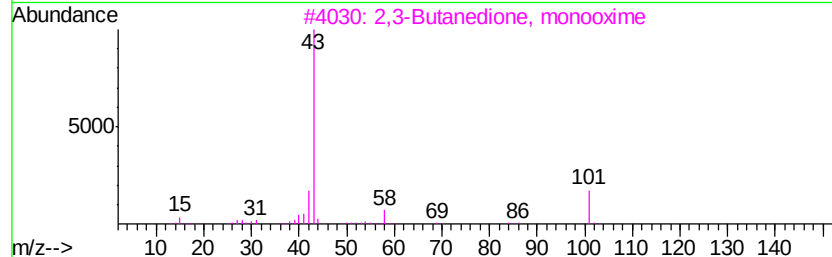
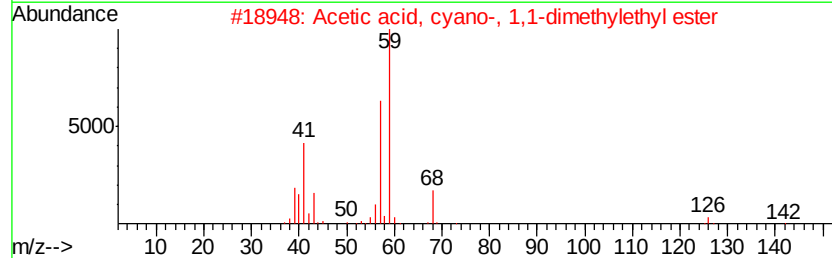
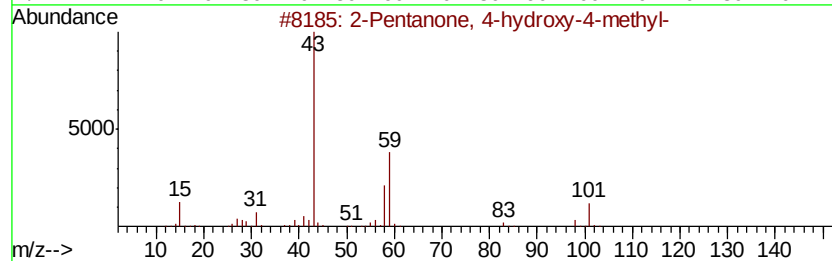
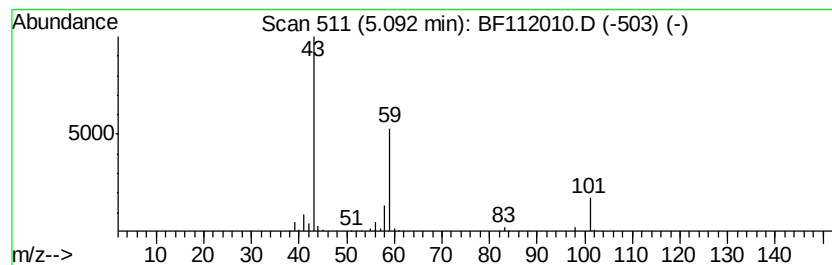
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	4.99 ng	188100	1,4-Dichlorobenzene-d4	6.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4			Propanoic acid, 3-nitro-, methyl...	133	C4H7NO4	020497-95-4	9
5			4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9



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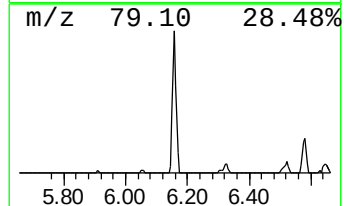
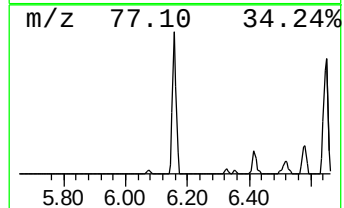
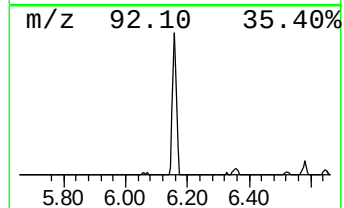
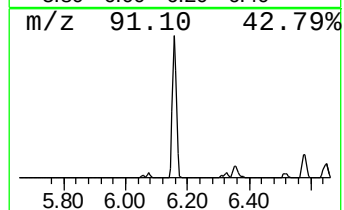
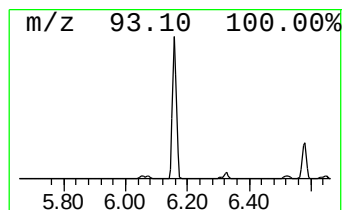
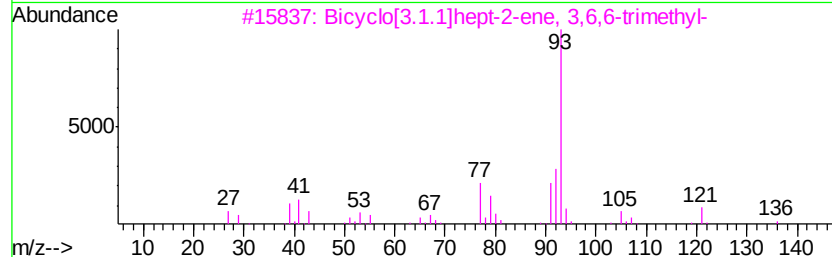
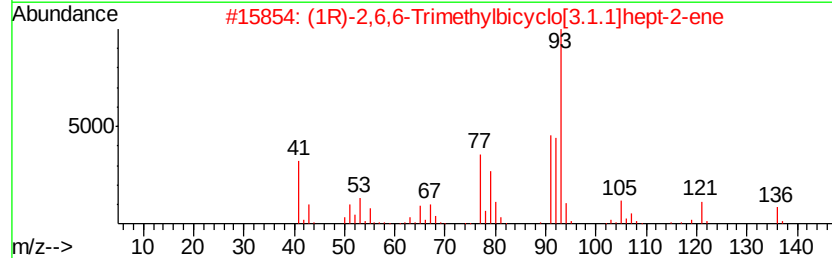
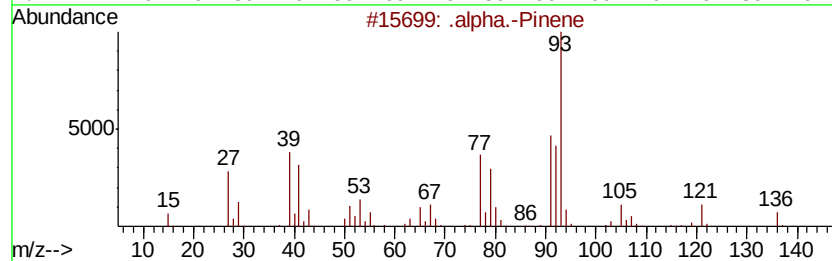
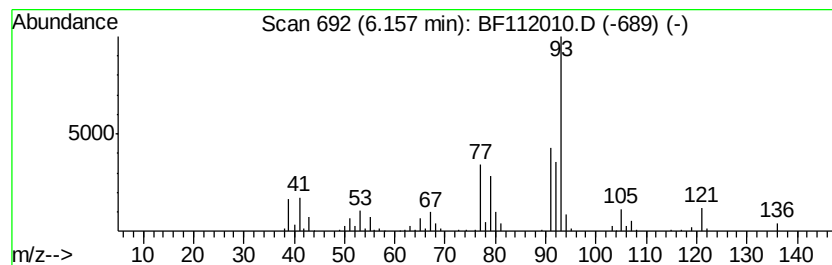
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 .alpha.-Pinene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	6.28 ng	237039	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Pinene	136	C10H16	000080-56-8	95
2		(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
4		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5		3-Carene	136	C10H16	013466-78-9	91



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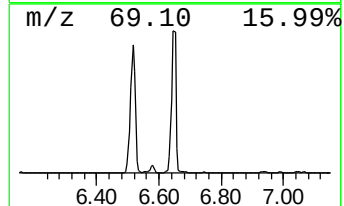
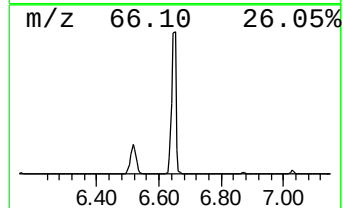
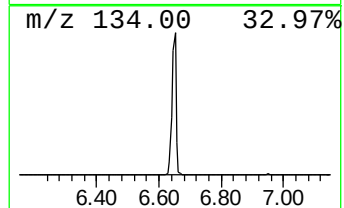
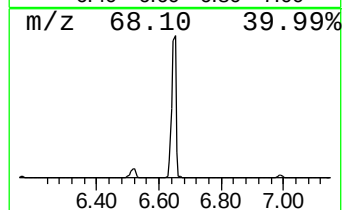
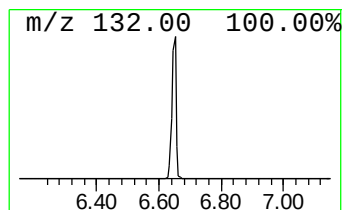
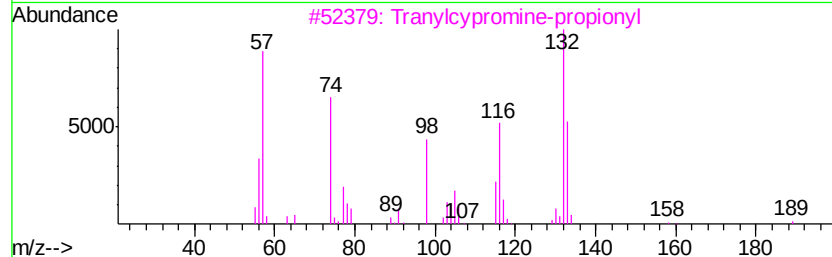
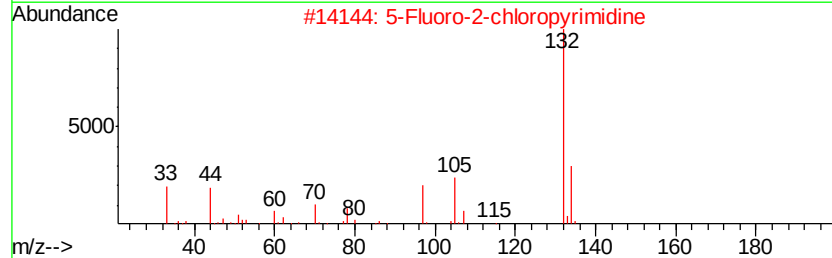
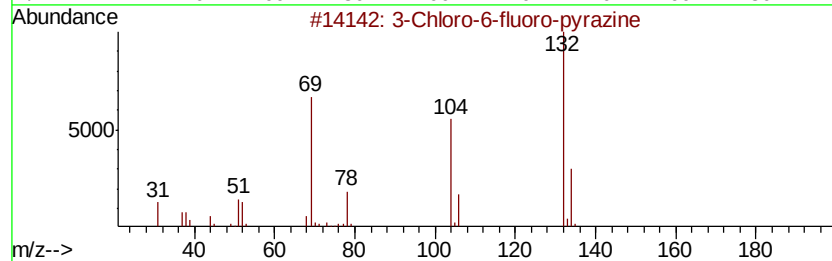
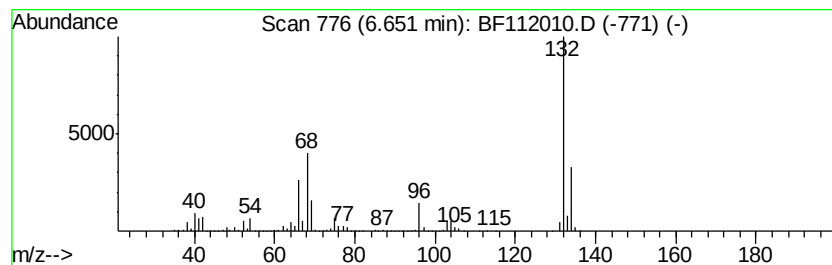
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Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	68.76 ng	2593490	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
Acq On : 11 Jan 2019 12:57
Operator : JU/SJ
Sample : K1124-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ER-SOIL

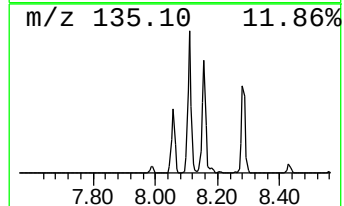
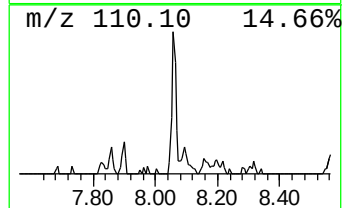
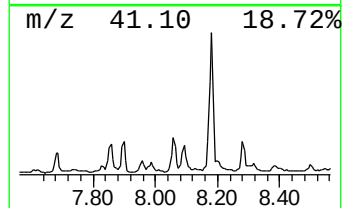
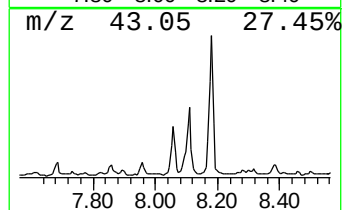
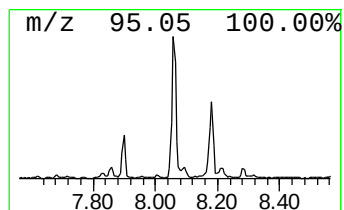
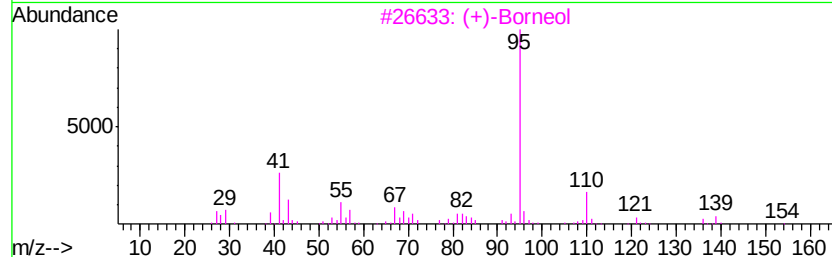
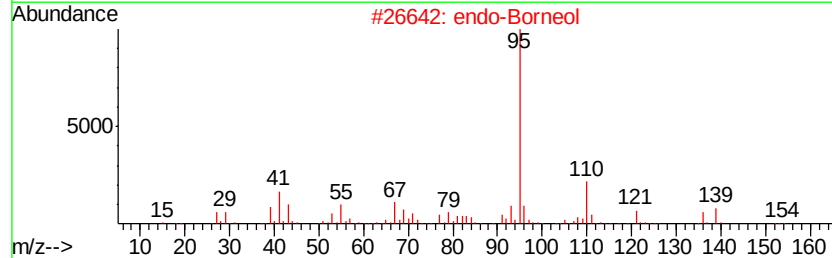
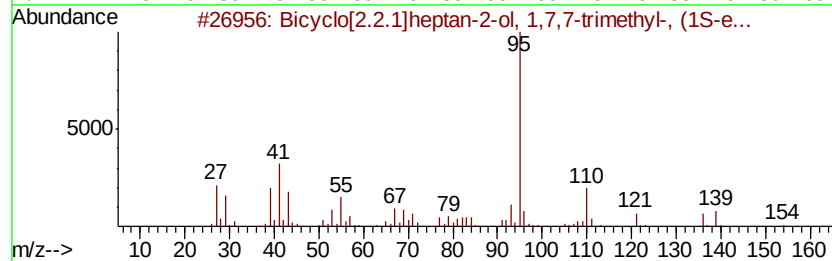
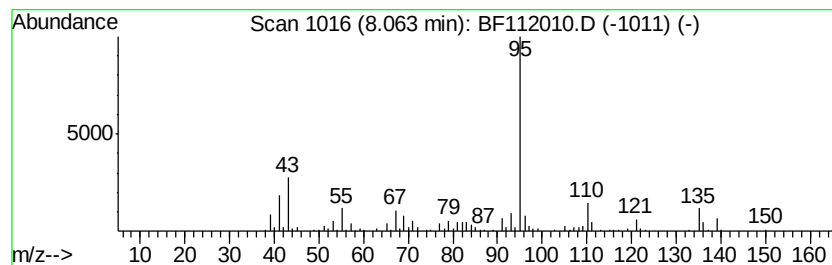
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	5.86 ng	272862	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	72
2		endo-Borneol	154	C10H18O	000507-70-0	72
3		(+)-Borneol	154	C10H18O	1000150-76-3	64
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	62
5		Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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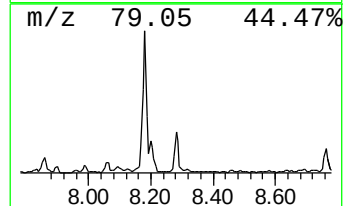
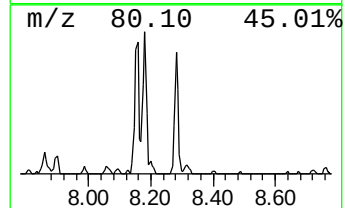
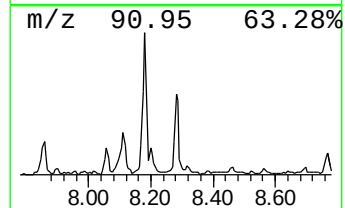
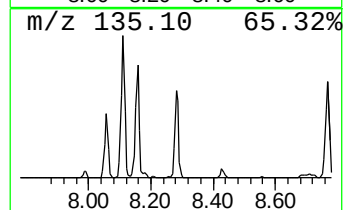
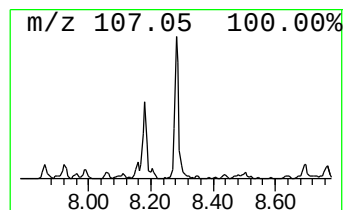
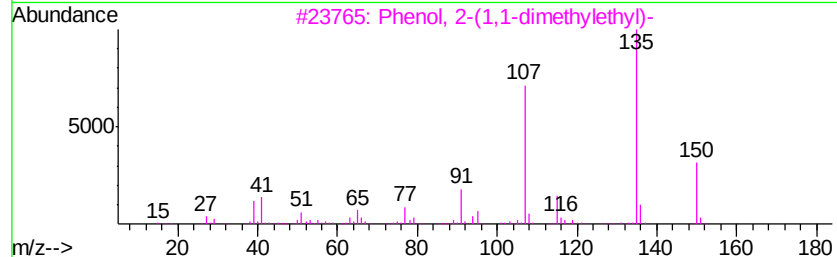
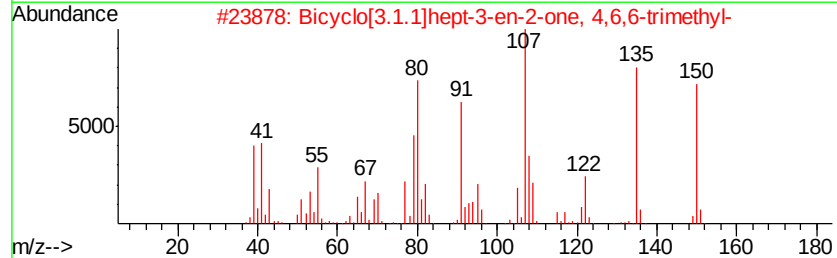
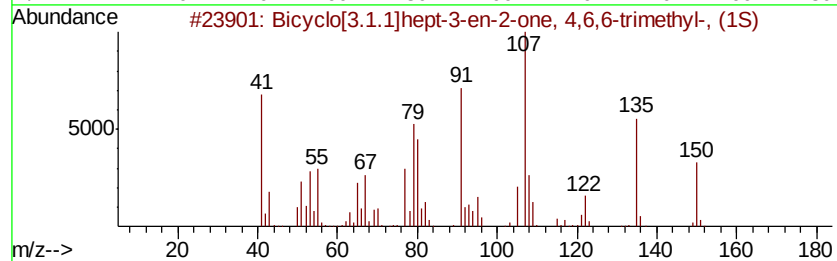
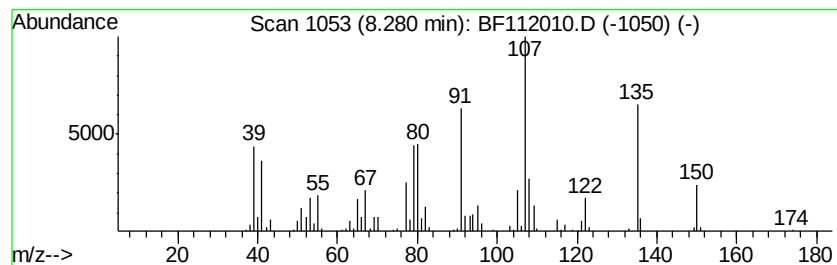
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Bicyclo[3.1.1]hept-3-en-2-o... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	4.78 ng	222593	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]hept-3-en-2-one, 4...	150	C10H14O	001196-01-6	98
2		Bicyclo[3.1.1]hept-3-en-2-one, 4...	150	C10H14O	000080-57-9	64
3		Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	50
4		1,3-Cyclopentadiene, 1,2,5,5-tet...	122	C9H14	004249-12-1	50
5		1,3-Cyclopentadiene, 1,3-bis(1-m...	150	C11H18	123278-27-3	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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ClientSampleId :
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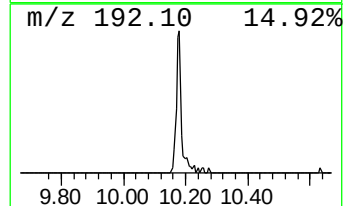
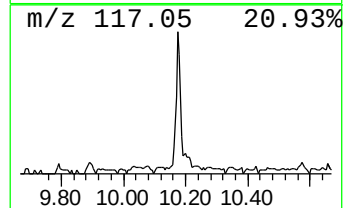
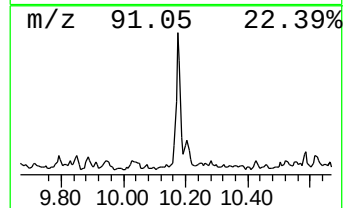
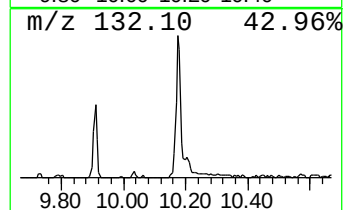
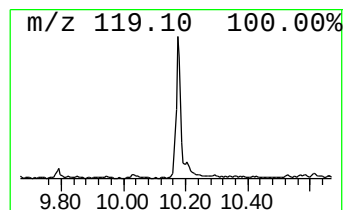
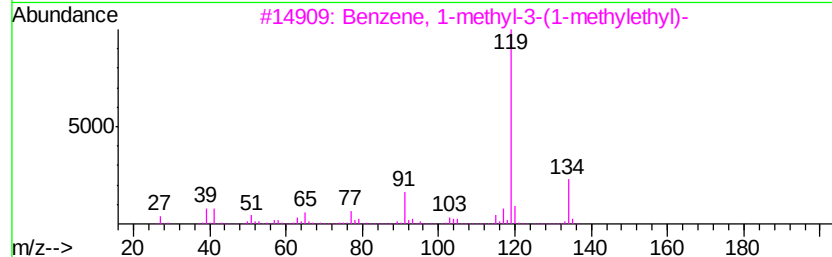
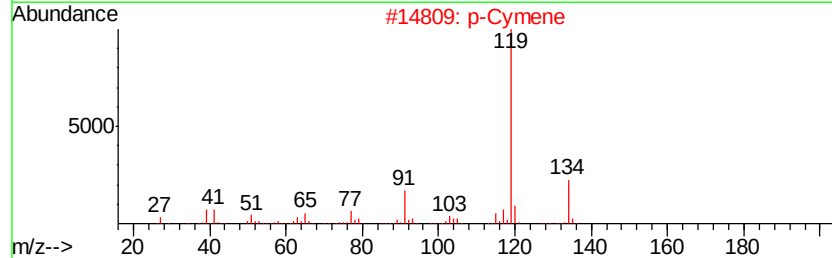
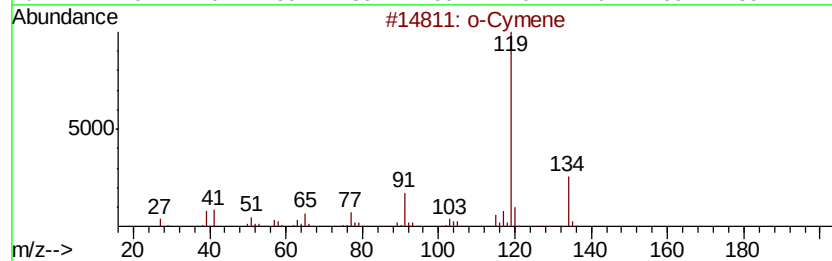
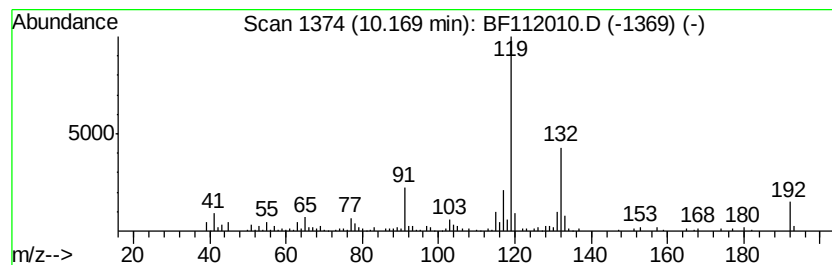
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 o-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	5.23 ng	283238	Acenaphthene-d10	9.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	55
2		p-Cymene	134	C10H14	000099-87-6	46
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	46
4		Benzene, 1,1'-(1,1,2,2-tetramethyl-4,4'-di-)	238	C18H22	001889-67-4	38
5		2,4,4,6-Tetramethyl-6-phenyl-1-hexene	230	C17H26	1000293-27-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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 Acq On : 11 Jan 2019 12:57
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 Sample : K1124-01
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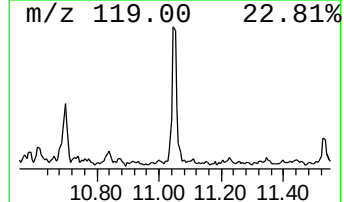
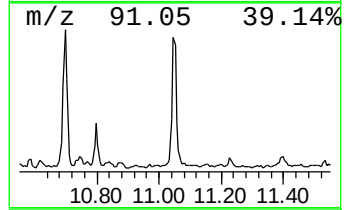
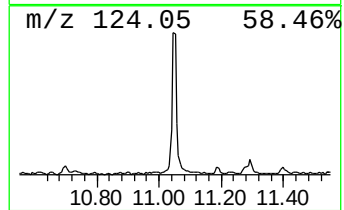
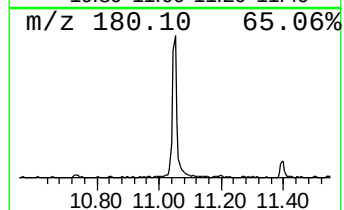
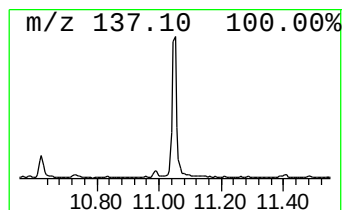
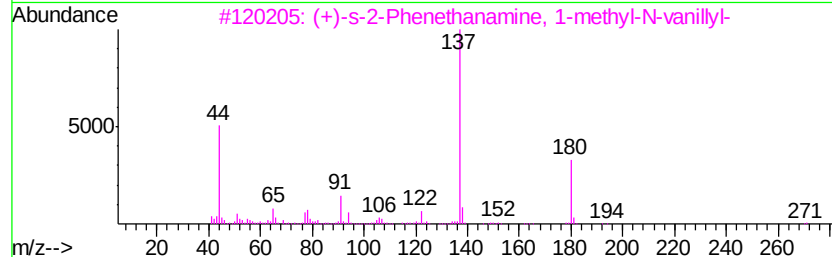
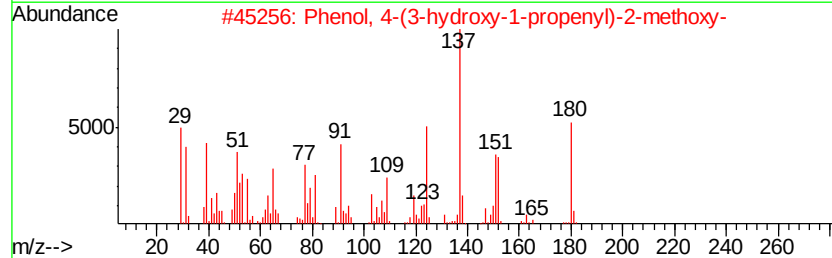
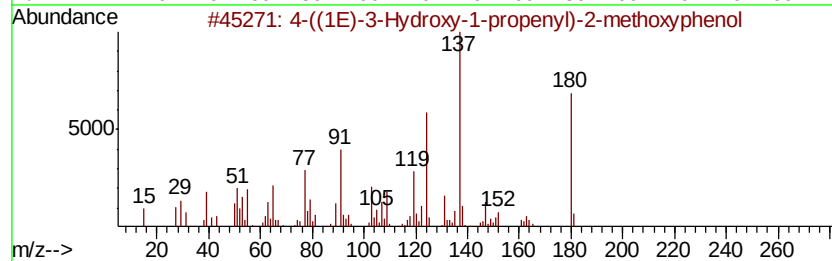
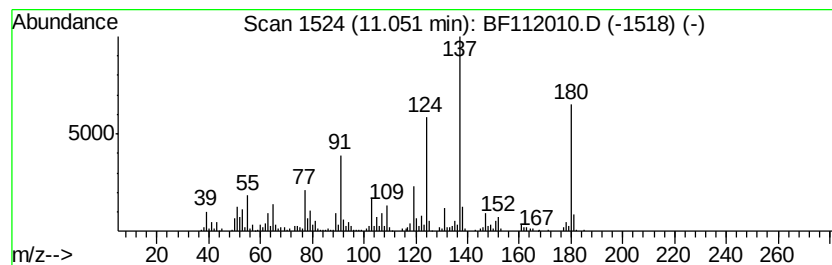
Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 8 4-((1E)-3-Hydroxy-1-propeny... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.05	9.60 ng	510941	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-((1E)-3-Hydroxy-1-propenyl)-2-...	180	C10H12O3	1000297-95-5	99
2	Phenol, 4-(3-hydroxy-1-propenyl)...	180	C10H12O3	000458-35-5	72
3	(+)-s-2-Phenethanamine, 1-methyl...	271	C17H21NO2	1000127-89-6	43
4	6-Methylnicotinic acid	137	C7H7NO2	003222-47-7	35
5	4-Fluorophenyl isocyanate	137	C7H4FNO	001195-45-5	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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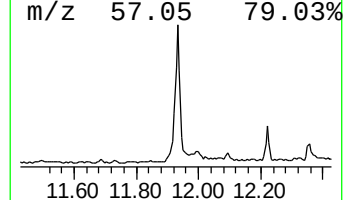
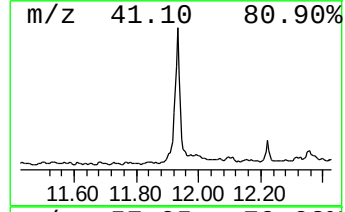
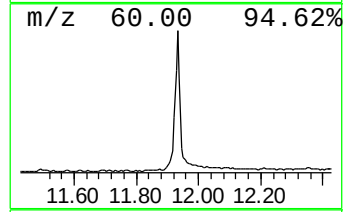
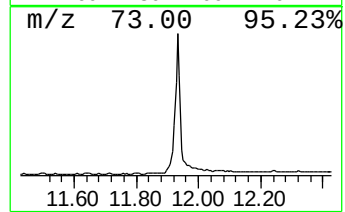
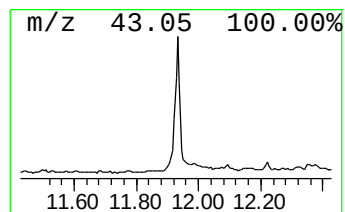
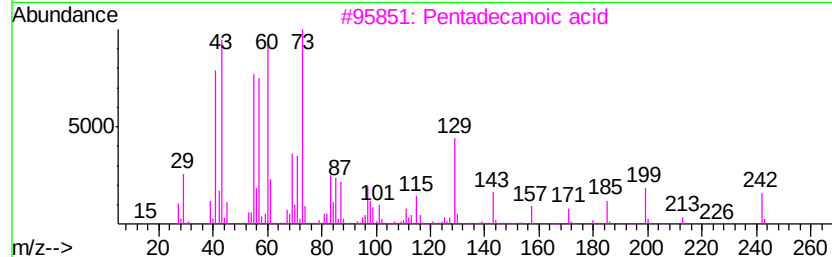
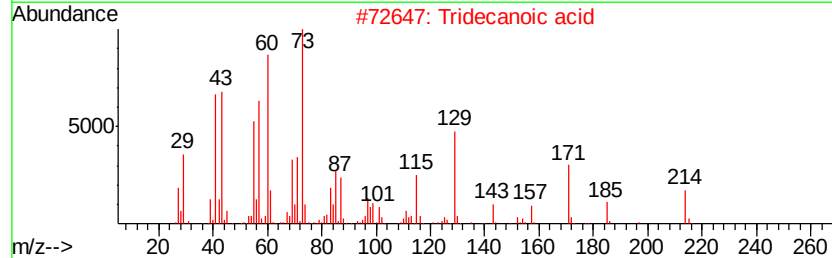
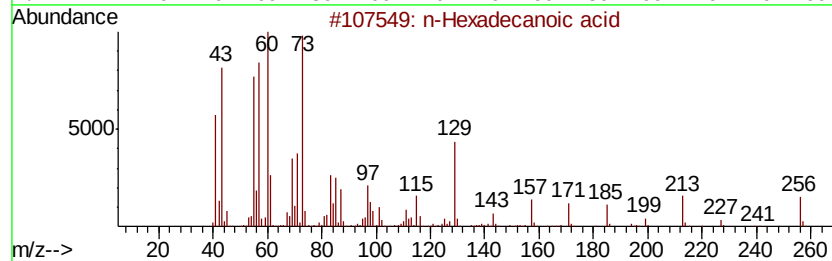
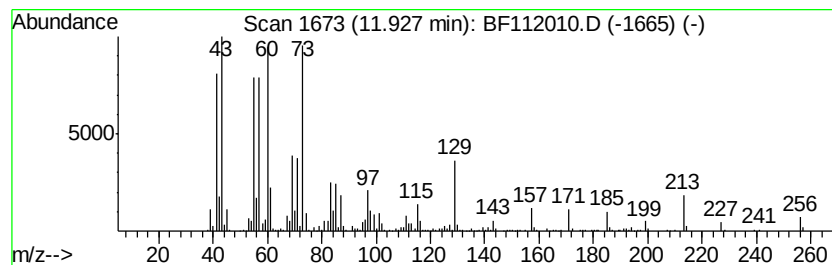
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.93	28.32 ng	1507600	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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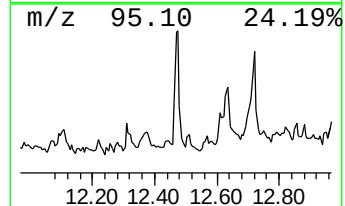
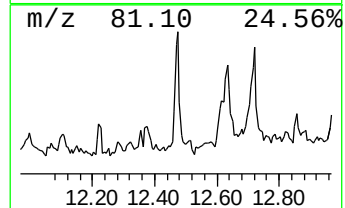
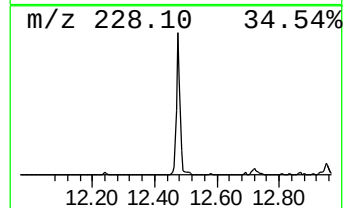
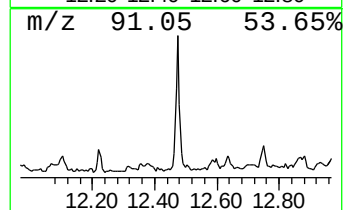
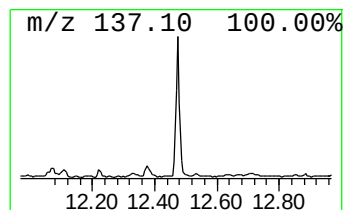
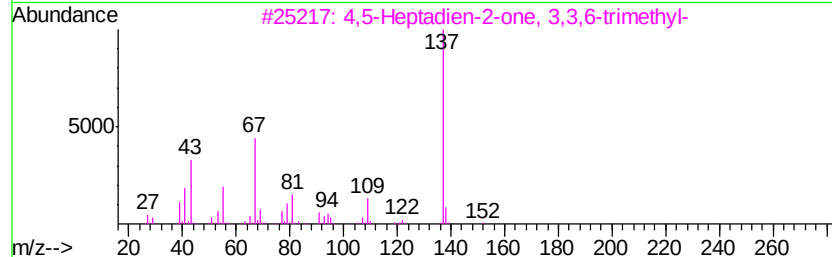
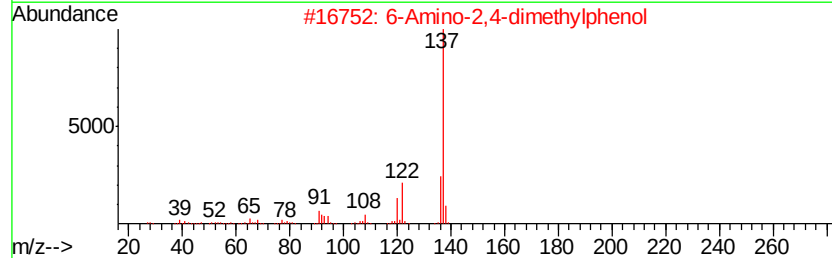
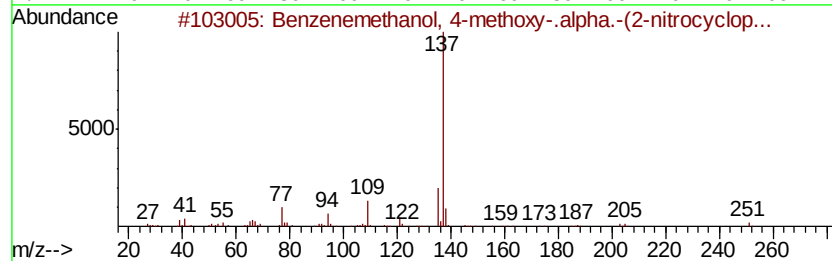
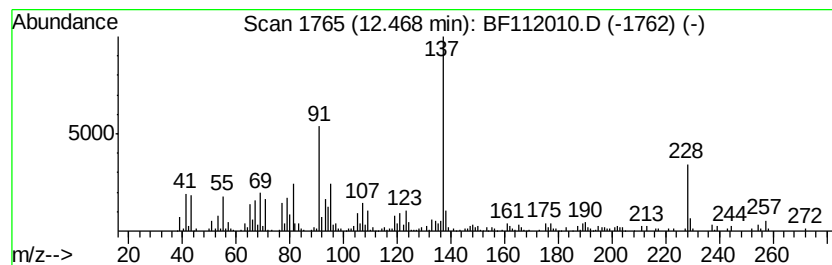
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.47 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.47	7.01 ng	373286	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, 4-methoxy-.alph...	251	C13H17N04	103130-05-8	43
2	6-Amino-2,4-dimethylphenol	137	C8H11NO	041458-65-5	43
3	4,5-Heptadien-2-one, 3,3,6-trime...	152	C10H16O	081250-41-1	43
4	Benzene, 1,4-dimethoxy-2-methyl-	152	C9H12O2	024599-58-4	43
5	Pyrazine, 2-methoxy-3-(1-methyle...	152	C8H12N2O	025773-40-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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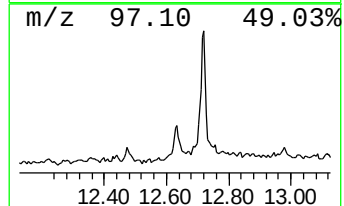
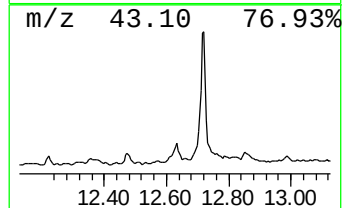
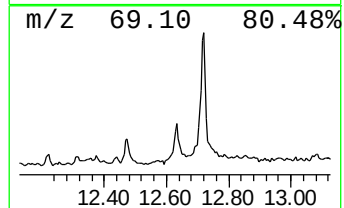
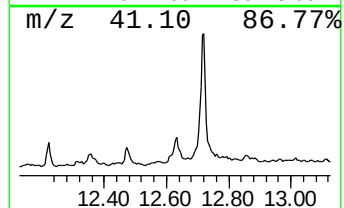
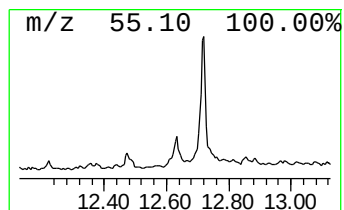
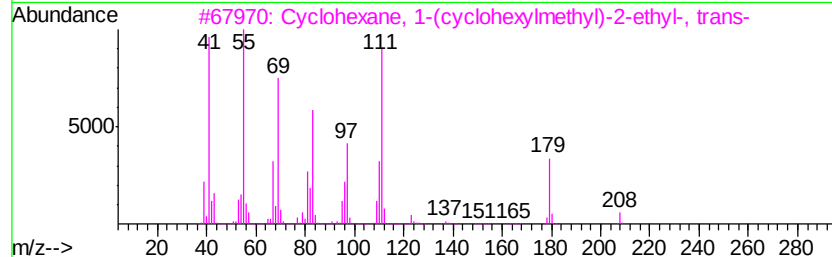
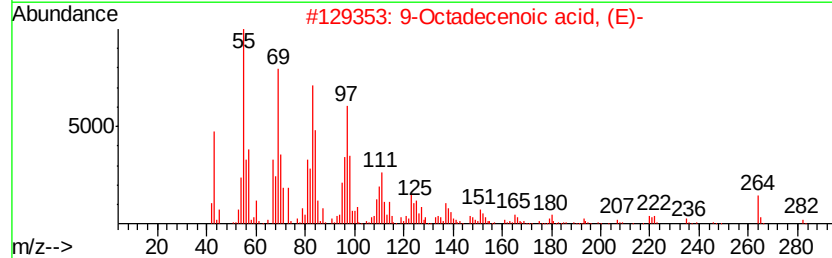
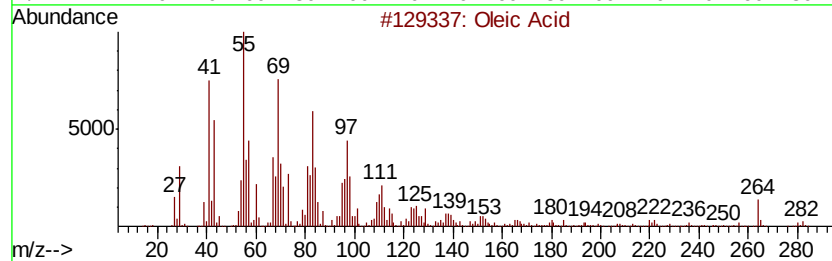
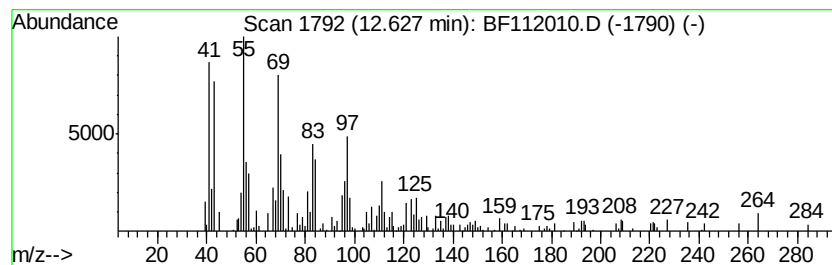
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Oleic Acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.63	5.22 ng	278121	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	91
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	90
3	Cyclohexane, 1-(cyclohexylmethvl...	208	C15H28	054934-92-8	70
4	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	64
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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Acq On : 11 Jan 2019 12:57
Operator : JU/SJ
Sample : K1124-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

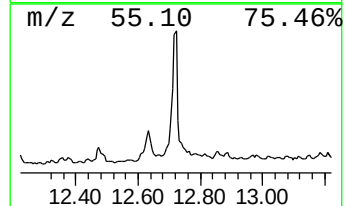
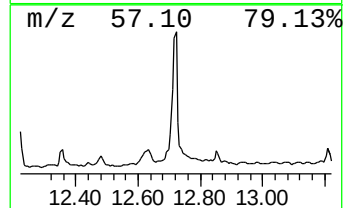
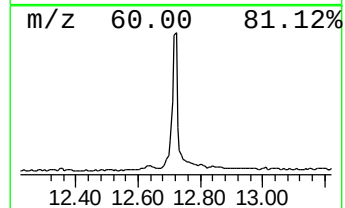
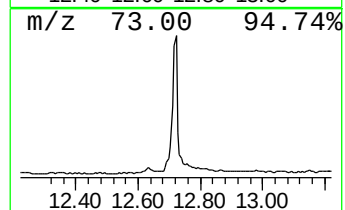
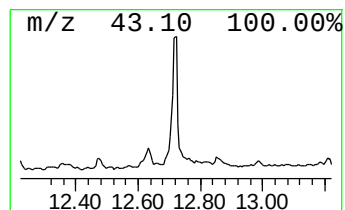
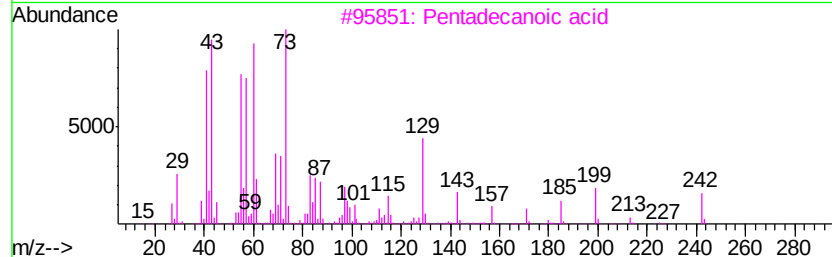
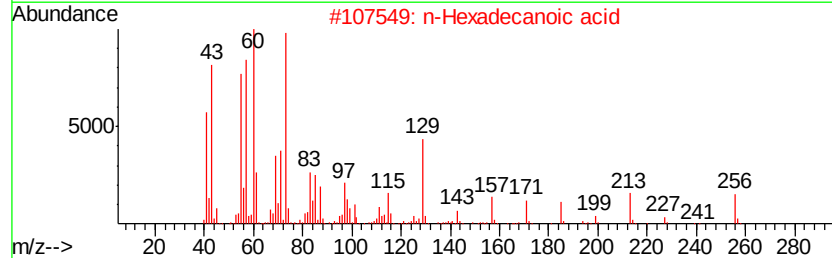
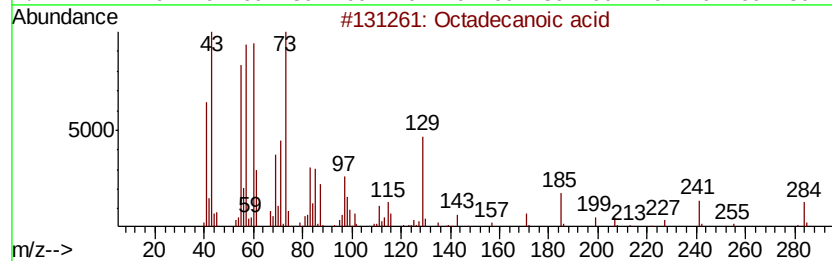
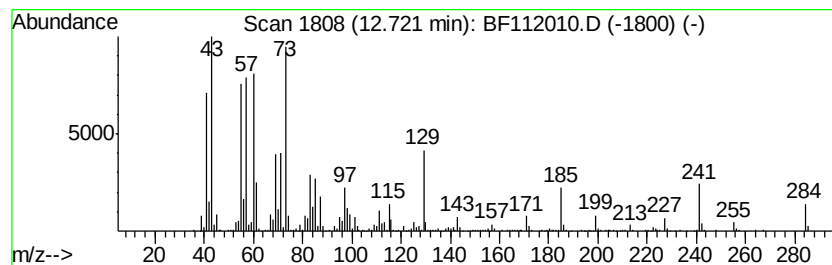
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.72	29.61 ng	1397240	Chrysene-d12		14.04
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	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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Sample : K1124-01
Misc :
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Instrument :
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ClientSampleId :
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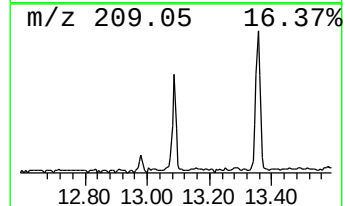
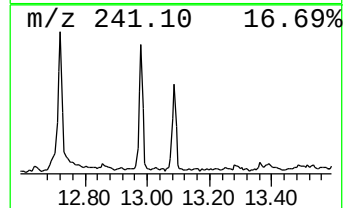
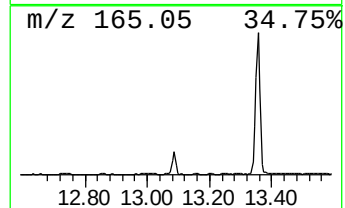
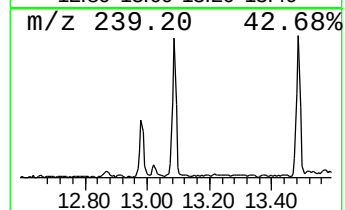
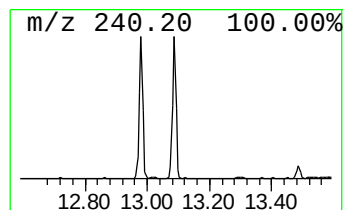
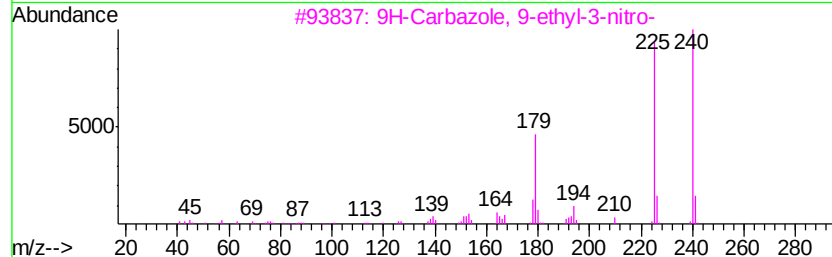
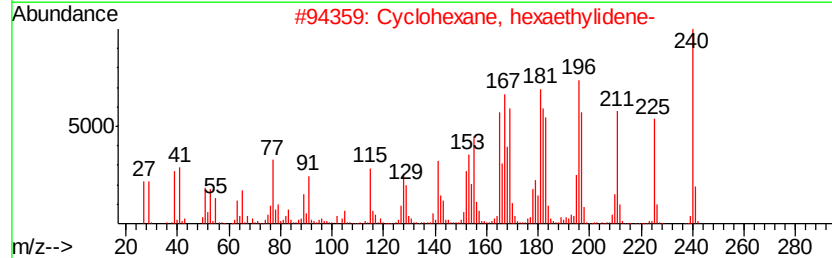
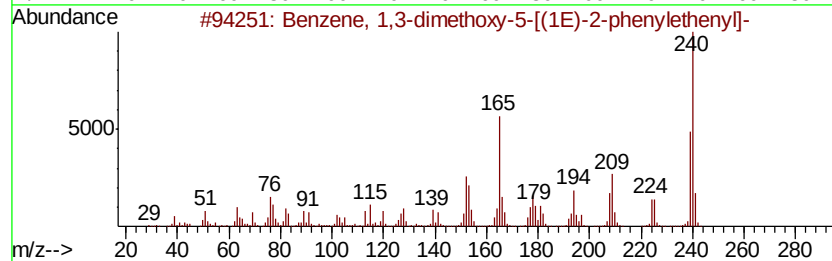
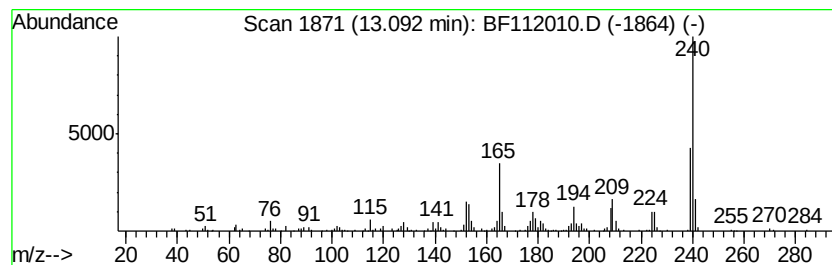
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	8.79 ng	414583	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	99
2		Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	60
3		9H-Carbazole, 9-ethyl-3-nitro-	240	C14H12N2O2	000086-20-4	50
4		[1,2,4]Triazolo[1,5-b]pyridazin-...	240	C12H12N6	1000350-58-0	50
5		Benzene, 1,3-dimethoxy-4-[(1E)-2...	240	C16H16O2	1000368-46-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112010.D
 Acq On : 11 Jan 2019 12:57
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 Sample : K1124-01
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Instrument :
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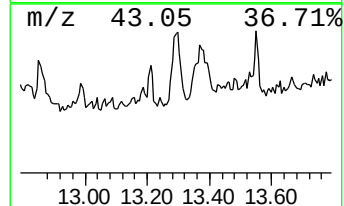
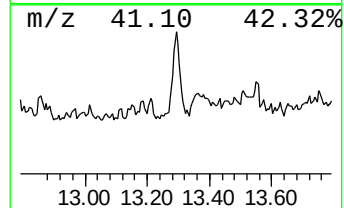
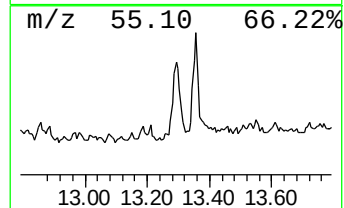
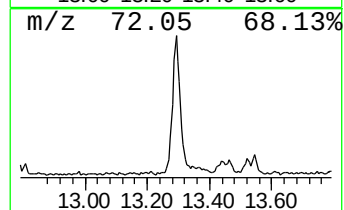
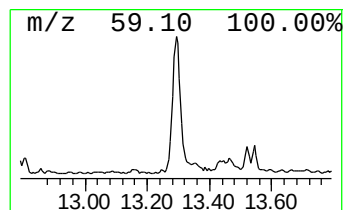
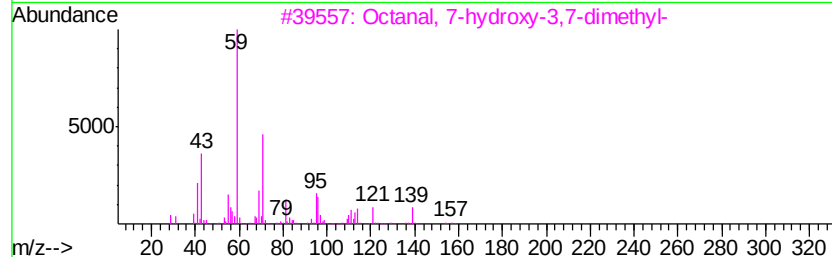
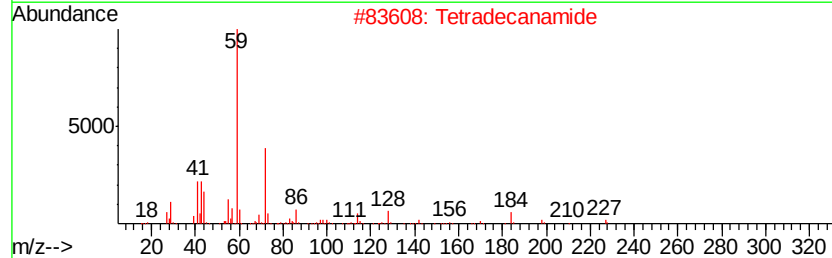
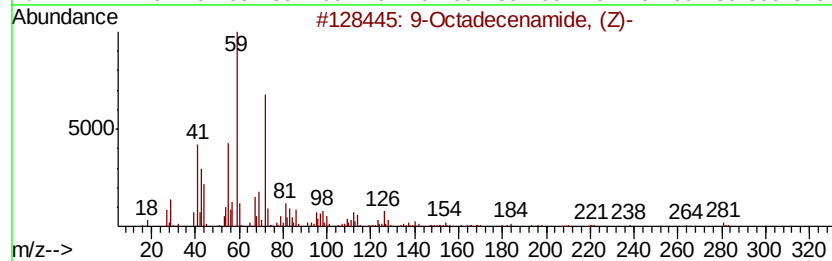
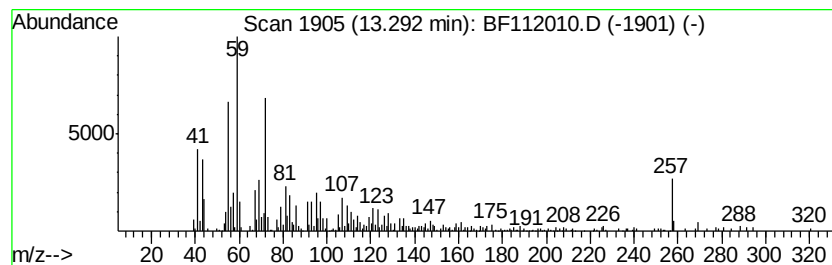
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 14 9-Octadecenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	8.15 ng	384367	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	92
2		Tetradecanamide	227	C14H29NO	000638-58-4	50
3		Octanal, 7-hydroxy-3,7-dimethyl-	172	C10H20O2	000107-75-5	47
4		Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	43
5		Dodecanamide	199	C12H25NO	001120-16-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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Sample : K1124-01
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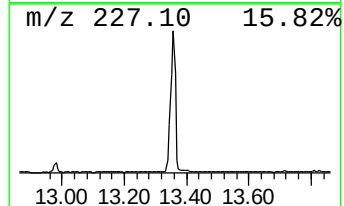
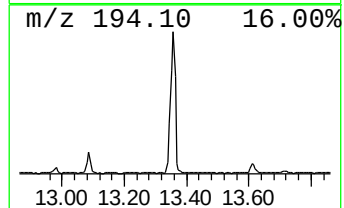
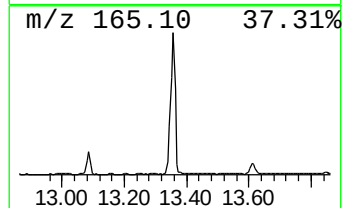
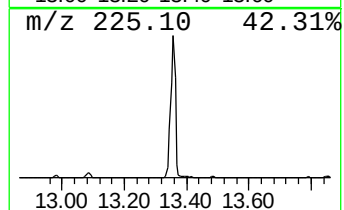
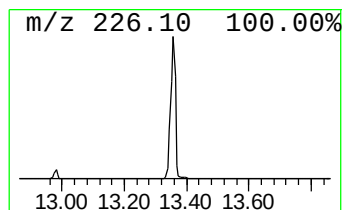
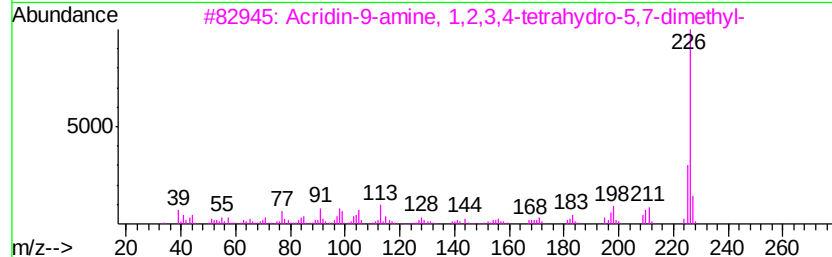
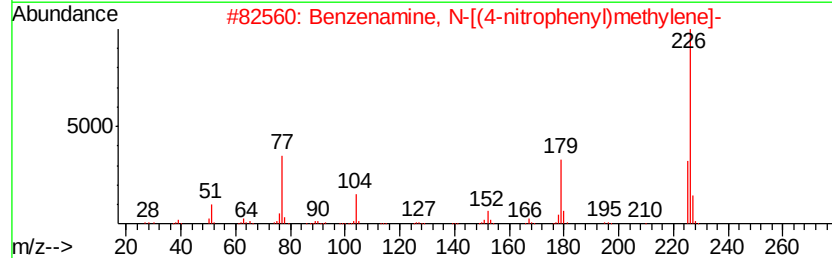
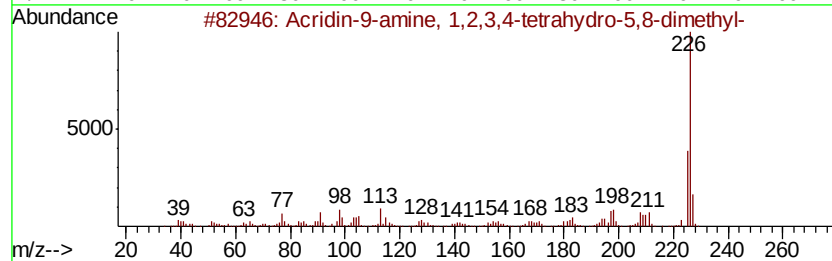
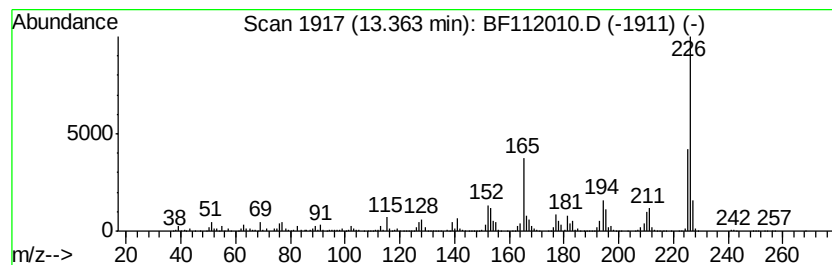
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.36	65.26 ng	3079270	Chrysene-d12		14.04	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	70	
2	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	46	
3	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	46	
4	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	43	
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	43	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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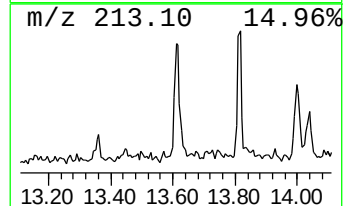
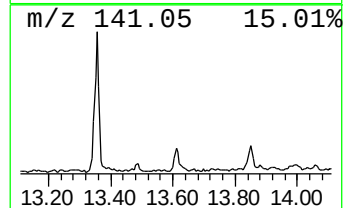
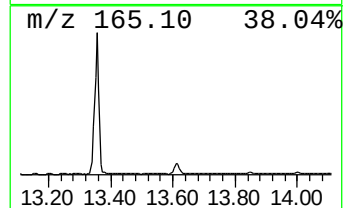
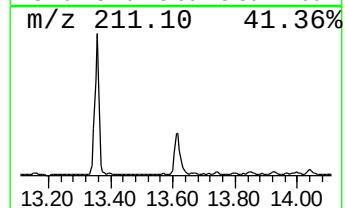
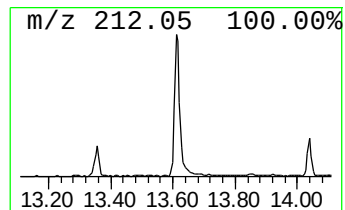
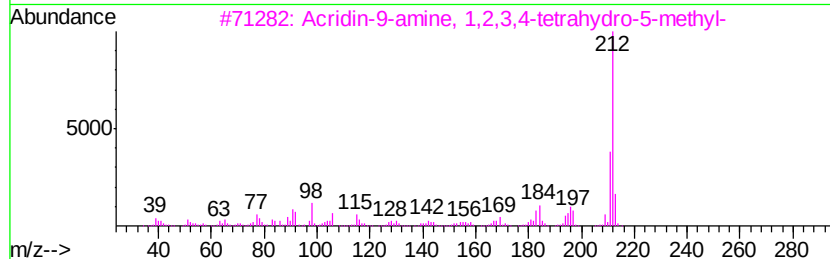
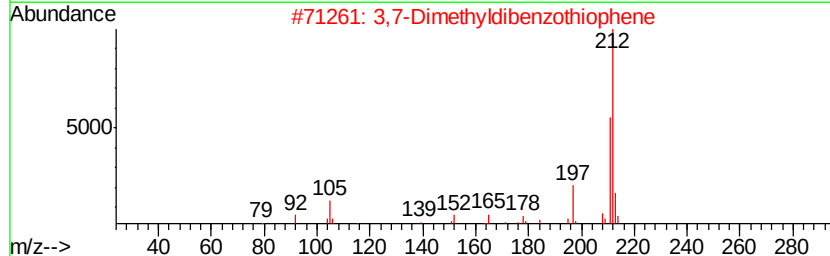
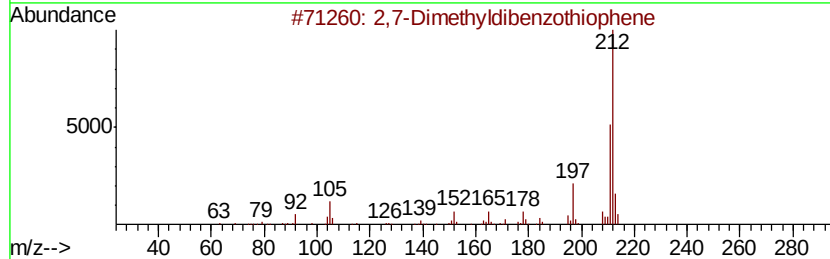
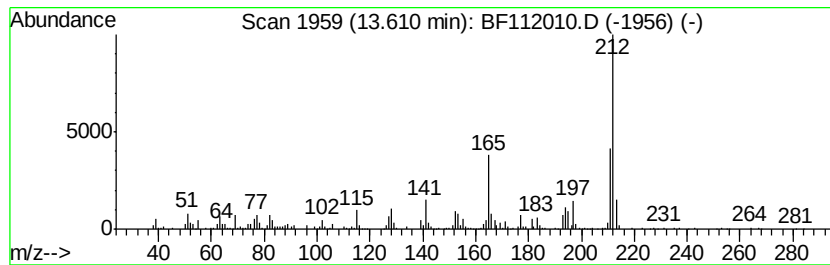
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2,7-Dimethyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	6.36 ng	299988	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	68
2		3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	59
3		Acridin-9-amine, 1,2,3,4-tetrahy...	212	C14H16N2	005778-78-9	53
4		2-(4-Methylphenyl)benzoic acid	212	C14H12O2	1000305-27-8	53
5		[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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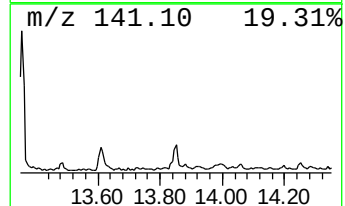
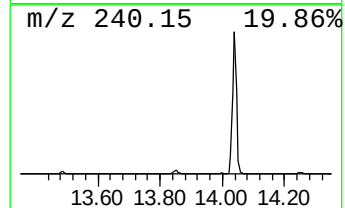
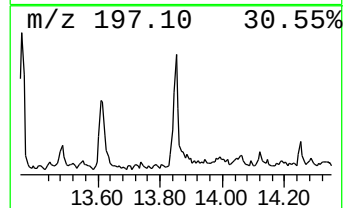
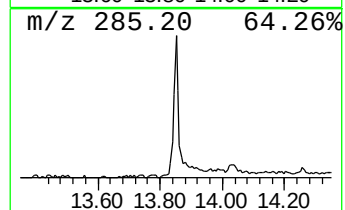
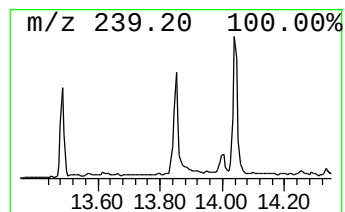
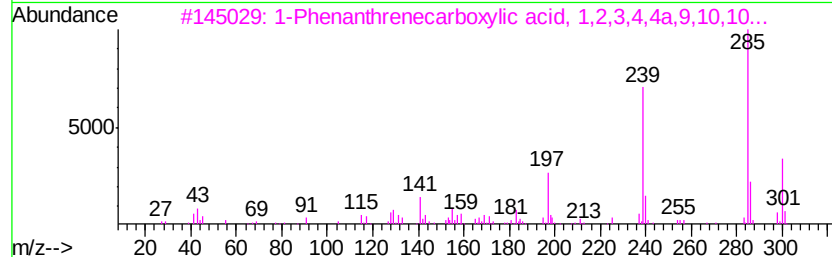
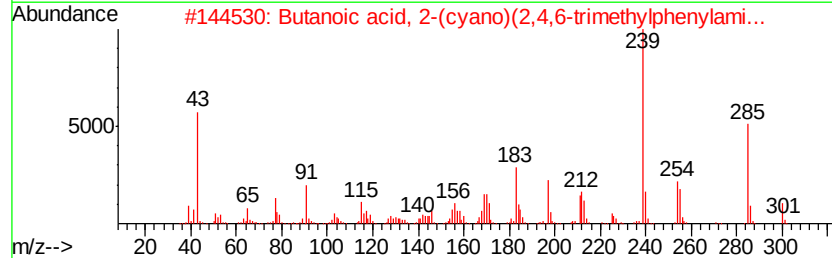
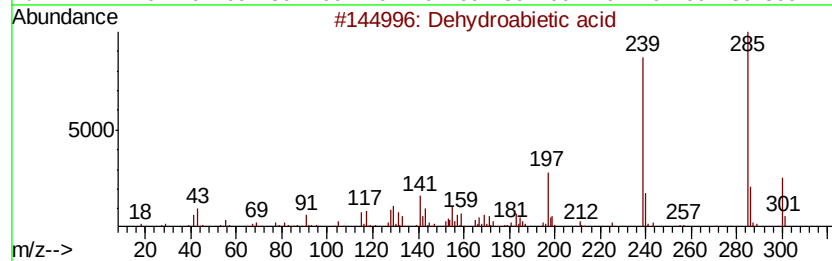
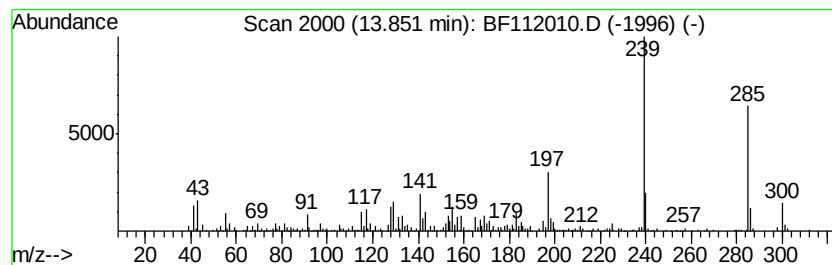
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 17 Dehydroabiatic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	5.67 ng	267529	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dehydroabiatic acid	300	C20H28O2	001740-19-8	95
2		Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	87
3		1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	64
4		3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3N03	023851-84-5	53
5		Cobalt, (.eta.5-2,4-cyclopentadi...	239	C14H12Co	088242-61-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
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Sample : K1124-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

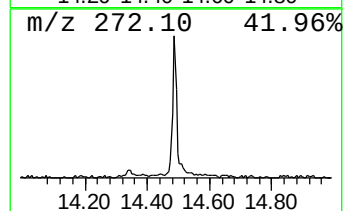
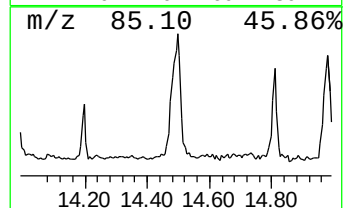
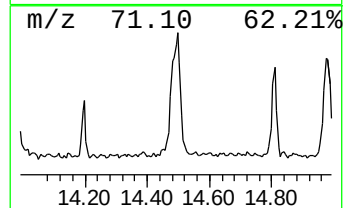
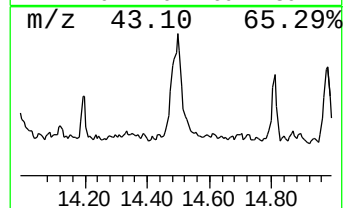
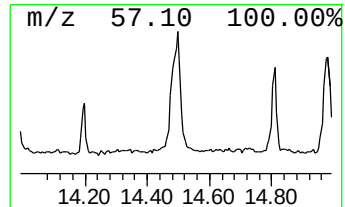
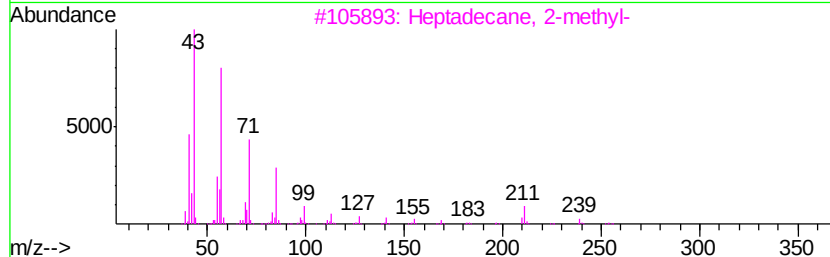
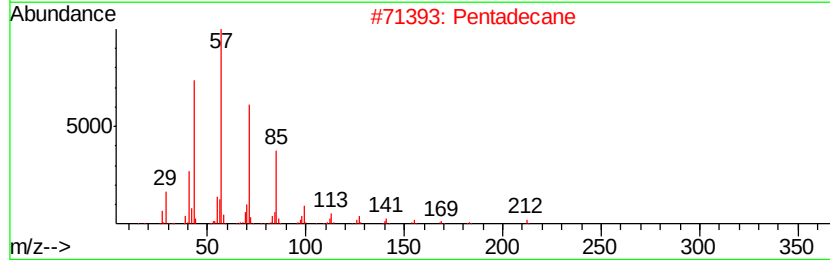
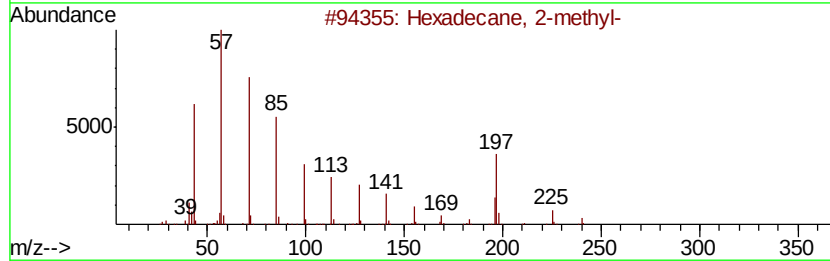
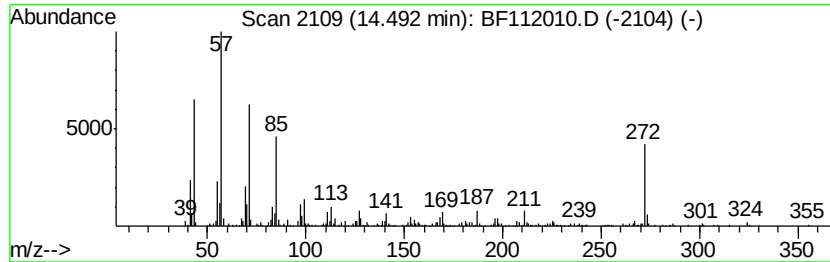
Instrument :
BNA_F
ClientSampleId :
ER-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.49	15.57 ng	734668	Chrysene-d12	14.04		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-		240	C17H36	001560-92-5	81
2	Pentadecane		212	C15H32	000629-62-9	70
3	Heptadecane, 2-methyl-		254	C18H38	001560-89-0	55
4	Eicosane		282	C20H42	000112-95-8	51
5	Hexadecane, 2,6,10,14-tetramethyl-		282	C20H42	000638-36-8	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
Acq On : 11 Jan 2019 12:57
Operator : JU/SJ
Sample : K1124-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

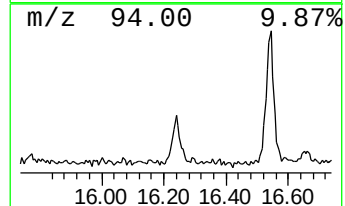
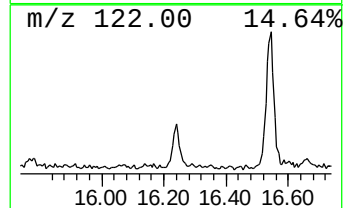
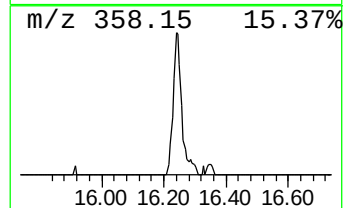
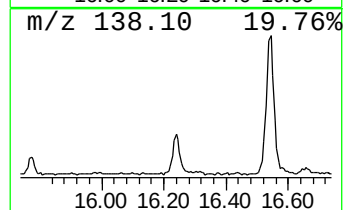
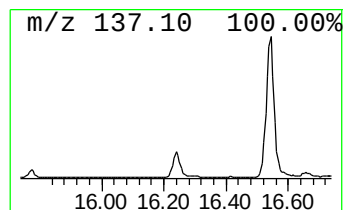
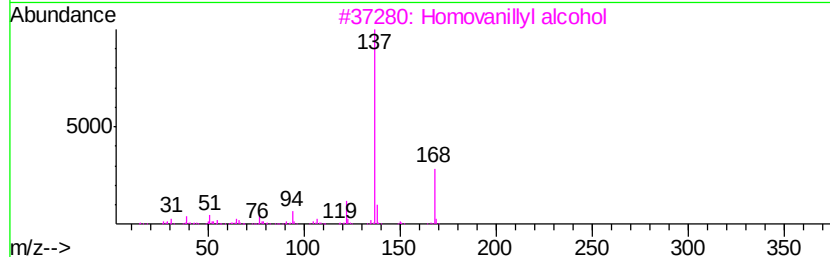
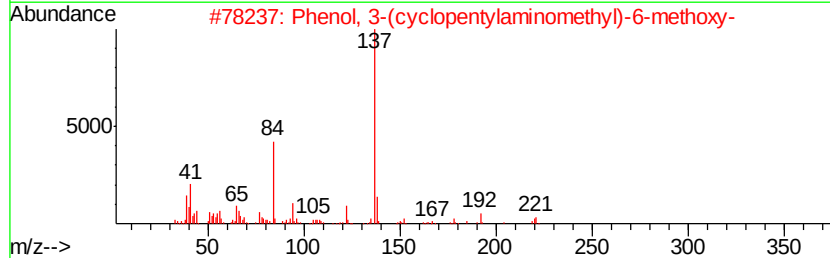
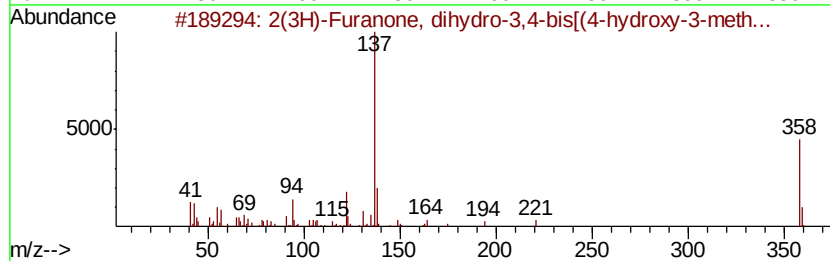
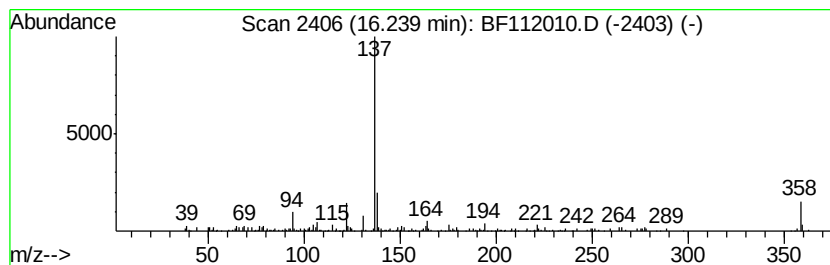
Instrument :
BNA_F
ClientSampleId :
ER-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2(3H)-Furanone, dihydro-3,4... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.24	6.05 ng	383141	Perylene-d12	15.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-3,4-bis[...	358	C20H22O6	000580-72-3	78
2	Phenol, 3-(cyclopentylaminomethy...	221	C13H19NO2	332382-83-9	59
3	Homovanillyl alcohol	168	C9H12O3	002380-78-1	59
4	Ethyl homovanillate	210	C11H14O4	060563-13-5	53
5	Benzeneacetic acid, 4-hydroxy-3-...	196	C10H12O4	015964-80-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112010.D
Acq On : 11 Jan 2019 12:57
Operator : JU/SJ
Sample : K1124-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ER-SOIL

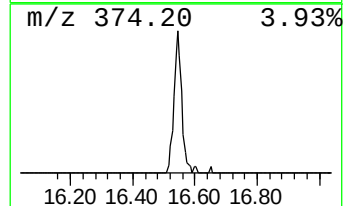
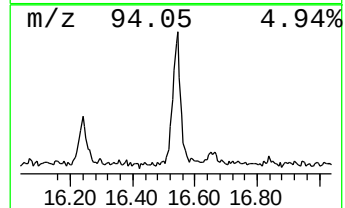
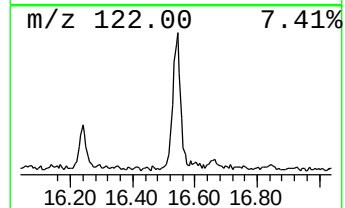
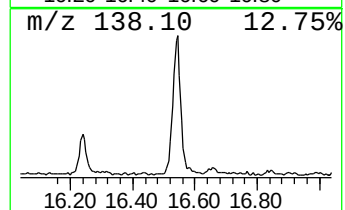
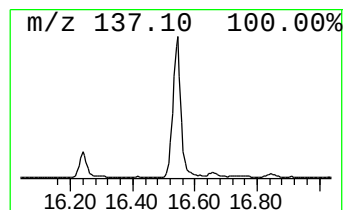
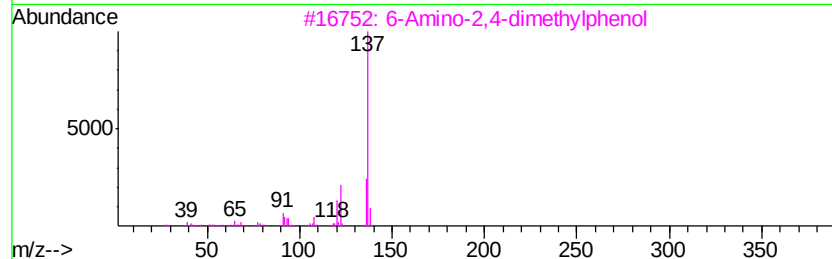
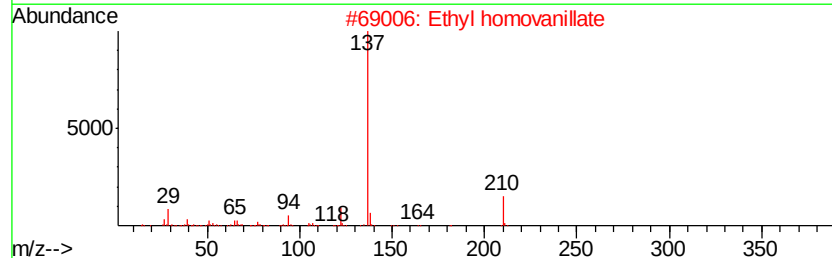
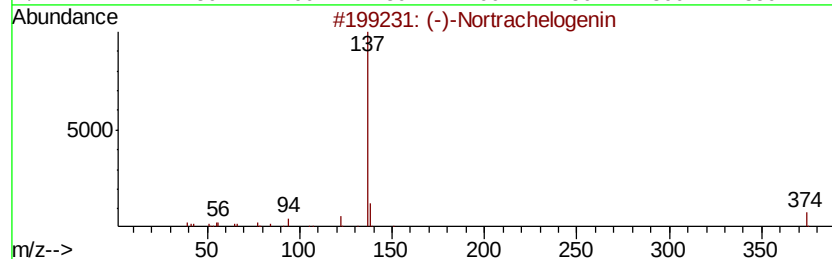
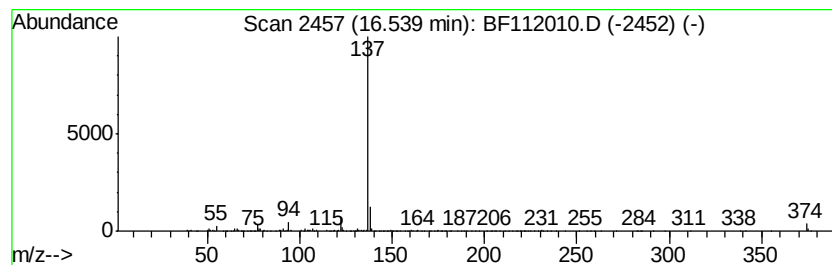
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 (-)-Nortrachelogenin Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	9.14 ng	578584	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(-)-Nortrachelogenin	374	C20H22O7	034444-37-6	90
2		Ethyl homovanillate	210	C11H14O4	060563-13-5	72
3		6-Amino-2,4-dimethylphenol	137	C8H11NO	041458-65-5	64
4		Capsaicin	305	C18H27NO3	000404-86-4	56
5		Propan-2-one, 1-(4-isopropoxy-3-...	222	C13H18O3	1000267-40-3	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011119\
 Data File : BF112010.D
 Acq On : 11 Jan 2019 12:57
 Operator : JU/SJ
 Sample : K1124-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ER-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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
2-Pentanone, 4-hy...	5.09	5.0	ng	188100	1	6.87	754321	20.0
.alpha.-Pinene	6.16	6.3	ng	237039	1	6.87	754321	20.0
unknown6.65	6.65	68.8	ng	2593490	1	6.87	754321	20.0
Bicyclo[2.2.1]hep...	8.06	5.9	ng	272862	2	8.16	930877	20.0
Bicyclo[3.1.1]hep...	8.28	4.8	ng	222593	2	8.16	930877	20.0
o-Cymene	10.17	5.2	ng	283238	3	9.91	1083270	20.0
4-((1E)-3-Hydroxy...	11.05	9.6	ng	510941	4	11.40	1064740	20.0
n-Hexadecanoic acid	11.93	28.3	ng	1507600	4	11.40	1064740	20.0
unknown12.47	12.47	7.0	ng	373286	4	11.40	1064740	20.0
Oleic Acid	12.63	5.2	ng	278121	4	11.40	1064740	20.0
Octadecanoic acid	12.72	29.6	ng	1397240	5	14.04	943673	20.0
Benzene, 1,3-dime...	13.09	8.8	ng	414583	5	14.04	943673	20.0
9-Octadecenamide, ...	13.29	8.2	ng	384367	5	14.04	943673	20.0
Acridin-9-amine, ...	13.36	65.3	ng	3079270	5	14.04	943673	20.0
2,7-Dimethyldiben...	13.61	6.4	ng	299988	5	14.04	943673	20.0
Dehydroabietic acid	13.85	5.7	ng	267529	5	14.04	943673	20.0
Hexadecane, 2-met...	14.49	15.6	ng	734668	5	14.04	943673	20.0
2(3H)-Furanone, d...	16.24	6.0	ng	383141	6	15.52	1265560	20.0
(-)-Nortrachelogenin	16.54	9.1	ng	578584	6	15.52	1265560	20.0