

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
 Data File : BG044431.D
 Acq On : 13 Feb 2020 23:54
 Operator : CG/JU
 Sample : L1491-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2A-(13.5-15.5)

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_G\METHODS\8270-BG013020.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	5.006	322	326	331	rBV3	24329	38148	1.52%	0.085%
2	5.482	400	407	418	rBV	881449	1481211	59.11%	3.318%
3	6.187	519	527	532	rBV6	15929	38533	1.54%	0.086%
4	6.398	558	563	570	rBV5	18717	42728	1.71%	0.096%
5	6.475	570	576	580	rBV2	27421	39719	1.59%	0.089%
6	6.545	580	588	592	rBV5	26915	60075	2.40%	0.135%
7	6.909	639	650	655	rBV3	27455	67070	2.68%	0.150%
8	7.080	669	679	691	rBV	924002	1683107	67.17%	3.770%
9	7.403	725	734	742	rBV5	16347	50968	2.03%	0.114%
10	7.473	743	746	759	rVB9	14474	43396	1.73%	0.097%
11	7.814	799	804	806	rBV	23390	34932	1.39%	0.078%
12	7.902	812	819	827	rVB2	361092	627254	25.03%	1.405%
13	7.985	827	833	839	rVB6	15926	31953	1.28%	0.072%
14	8.226	863	874	889	rVB	769159	1428954	57.03%	3.201%
15	8.578	932	934	946	rVB6	25538	54038	2.16%	0.121%
16	8.684	946	952	955	rBV3	26784	49817	1.99%	0.112%
17	9.019	999	1009	1010	rBV2	77832	136455	5.45%	0.306%
18	9.060	1010	1016	1031	rVB	567389	1153141	46.02%	2.583%
19	9.271	1041	1052	1058	rBV8	60290	197251	7.87%	0.442%
20	9.354	1058	1066	1068	rBV7	28643	61680	2.46%	0.138%
21	9.401	1069	1074	1080	rVB7	35880	84439	3.37%	0.189%
22	9.636	1109	1114	1119	rVB4	48853	88320	3.52%	0.198%
23	9.800	1137	1142	1146	rBV3	40400	71190	2.84%	0.159%
24	9.841	1146	1149	1153	rVB3	43397	63844	2.55%	0.143%
25	9.900	1153	1159	1167	rVB5	92738	188442	7.52%	0.422%
26	9.994	1167	1175	1180	rBV4	62719	138485	5.53%	0.310%
27	10.065	1183	1187	1191	rBV2	37830	57615	2.30%	0.129%
28	10.112	1191	1195	1199	rBV3	47315	85754	3.42%	0.192%
29	10.176	1203	1206	1214	rVB3	74461	126271	5.04%	0.283%
30	10.253	1215	1219	1223	rBV2	42605	72638	2.90%	0.163%
31	10.300	1224	1227	1232	rVB5	25489	39195	1.56%	0.088%
32	10.417	1242	1247	1251	rBV	48820	82129	3.28%	0.184%
33	10.499	1257	1261	1265	rVB4	28421	46500	1.86%	0.104%
34	10.587	1271	1276	1277	rBV4	40271	61066	2.44%	0.137%

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35	10.617	1278	1281	1286	rVV5	63446	125995	5.03%	0.282%
36	10.705	1287	1296	1302	rVV	500132	1091524	43.56%	2.445%
37	10.758	1302	1305	1312	rVV5	107386	251669	10.04%	0.564%
38	10.828	1313	1317	1322	rVV2	108115	232611	9.28%	0.521%
39	10.881	1322	1326	1331	rVV	216555	349752	13.96%	0.783%
40	10.934	1331	1335	1344	rVV5	85073	206033	8.22%	0.461%
41	11.010	1344	1348	1353	rVB4	55608	94705	3.78%	0.212%
42	11.128	1363	1368	1373	rBV5	69111	138530	5.53%	0.310%
43	11.210	1378	1382	1388	rVB2	79627	126224	5.04%	0.283%
44	11.292	1392	1396	1399	rBV5	28758	48611	1.94%	0.109%
45	11.381	1406	1411	1412	rBV4	46469	71252	2.84%	0.160%
46	11.422	1414	1418	1425	rVB5	137713	259280	10.35%	0.581%
47	11.492	1425	1430	1435	rVB2	63157	120216	4.80%	0.269%
48	11.557	1436	1441	1447	rBV4	122441	226797	9.05%	0.508%
49	11.627	1447	1453	1461	rVB5	74843	198409	7.92%	0.444%
50	11.751	1468	1474	1482	rBV2	320434	695764	27.77%	1.558%
51	11.821	1482	1486	1492	rVB2	103054	199344	7.96%	0.446%
52	11.904	1496	1500	1508	rVV4	65789	154563	6.17%	0.346%
53	12.003	1514	1517	1521	rBV2	66222	87113	3.48%	0.195%
54	12.127	1534	1538	1540	rBV	50421	74793	2.98%	0.168%
55	12.338	1571	1574	1576	rBV2	52012	72132	2.88%	0.162%
56	12.462	1589	1595	1599	rBV7	56586	131098	5.23%	0.294%
57	12.509	1599	1603	1606	rBV5	36554	60900	2.43%	0.136%
58	12.579	1611	1615	1619	rVV3	92144	172373	6.88%	0.386%
59	12.620	1619	1622	1627	rVB4	85550	138235	5.52%	0.310%
60	13.055	1690	1696	1698	rBV5	75239	154796	6.18%	0.347%
61	13.096	1698	1703	1708	rVV	457133	695700	27.76%	1.558%
62	13.167	1708	1715	1727	rVB	1377395	2305030	91.99%	5.163%
63	13.367	1741	1749	1752	rBV8	101754	270388	10.79%	0.606%
64	13.402	1753	1755	1759	rVB2	52245	67386	2.69%	0.151%
65	13.478	1764	1768	1775	rVB5	110996	206916	8.26%	0.463%
66	13.549	1776	1780	1782	rBV3	95601	142497	5.69%	0.319%
67	13.701	1802	1806	1814	rBV	141877	322932	12.89%	0.723%
68	13.825	1823	1827	1829	rBV4	98613	142645	5.69%	0.320%
69	13.866	1829	1834	1839	rVB	233018	419537	16.74%	0.940%
70	13.978	1849	1853	1858	rBV2	151014	233298	9.31%	0.523%
71	14.042	1859	1864	1868	rVB2	565374	764040	30.49%	1.711%

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72	14.101	1871	1874	1878	rVB3	138773	169405	6.76%	0.379%
73	14.265	1897	1902	1906	rBV3	102564	230234	9.19%	0.516%
74	14.389	1919	1923	1929	rVB4	218926	378240	15.09%	0.847%
75	14.547	1942	1950	1955	rBV	708557	1410873	56.31%	3.160%
76	14.606	1957	1960	1965	rVB2	142428	217259	8.67%	0.487%
77	15.082	2036	2041	2050	rBV4	296655	515395	20.57%	1.154%
78	15.170	2051	2056	2060	rVV2	232089	460744	18.39%	1.032%
79	15.211	2061	2063	2068	rVB2	168814	230473	9.20%	0.516%
80	15.341	2078	2085	2088	rBV5	186012	389171	15.53%	0.872%
81	15.587	2123	2127	2131	rBV3	253500	383058	15.29%	0.858%
82	15.629	2131	2134	2141	rVB4	192013	369194	14.73%	0.827%
83	15.811	2160	2165	2172	rVB	733755	1263667	50.43%	2.830%
84	16.034	2198	2203	2211	rVB2	1048314	1762418	70.34%	3.948%
85	16.193	2227	2230	2233	rBV3	109960	171513	6.84%	0.384%
86	16.293	2240	2247	2253	rBV	1321269	2278625	90.94%	5.104%
87	16.651	2304	2308	2319	rVB7	245501	597553	23.85%	1.338%
88	17.115	2382	2387	2397	rVB2	1112257	1862502	74.33%	4.172%
89	17.291	2412	2417	2420	rBV	734184	1155545	46.12%	2.588%
90	17.332	2420	2424	2429	rVB	761328	1141469	45.55%	2.557%
91	17.421	2436	2439	2444	rVB	274500	380726	15.19%	0.853%
92	17.720	2487	2490	2496	rVB2	381249	547219	21.84%	1.226%
93	18.167	2563	2566	2570	rBV	274649	399244	15.93%	0.894%
94	18.214	2571	2574	2581	rVB	403960	585441	23.36%	1.311%
95	18.355	2595	2598	2603	rVB2	400296	519831	20.75%	1.164%
96	19.083	2720	2722	2727	rVB	433551	555792	22.18%	1.245%
97	19.348	2762	2767	2774	rBV	1141478	1659275	66.22%	3.716%
98	19.706	2825	2828	2837	rVB2	893613	1563231	62.39%	3.501%
99	19.906	2858	2862	2866	rVB	1998941	2505733	100.00%	5.612%
100	21.533	3134	3139	3144	rBV2	705949	1363011	54.40%	3.053%

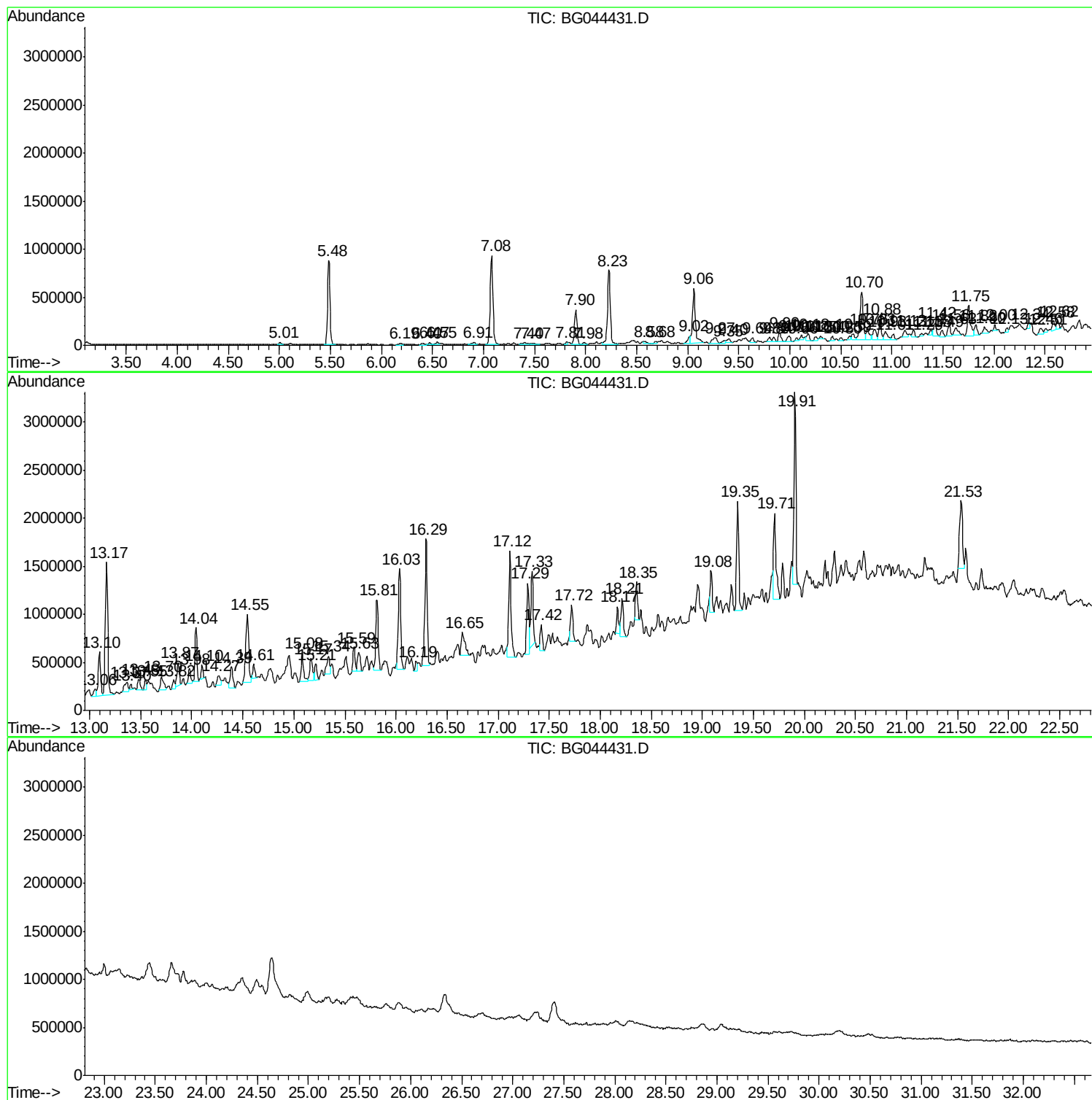
Sum of corrected areas: 44646247

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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.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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Instrument :
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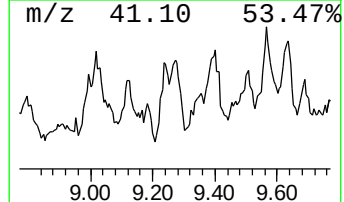
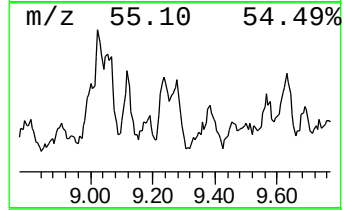
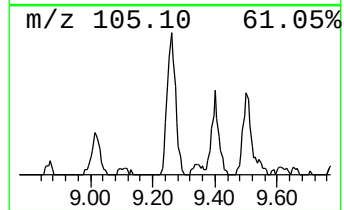
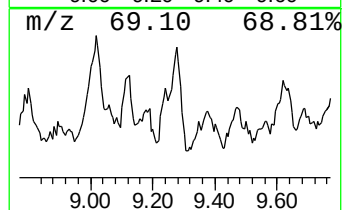
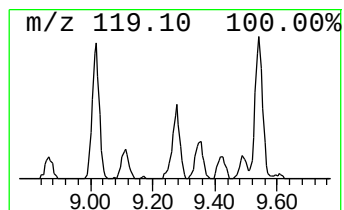
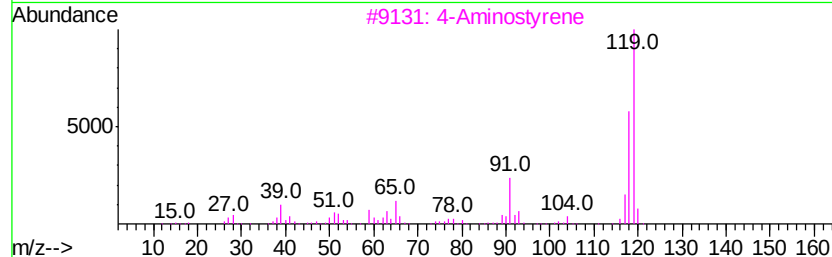
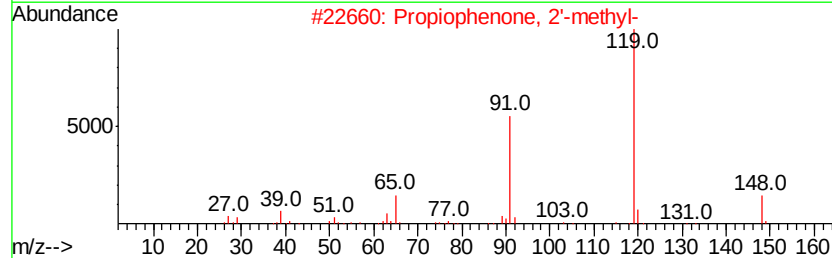
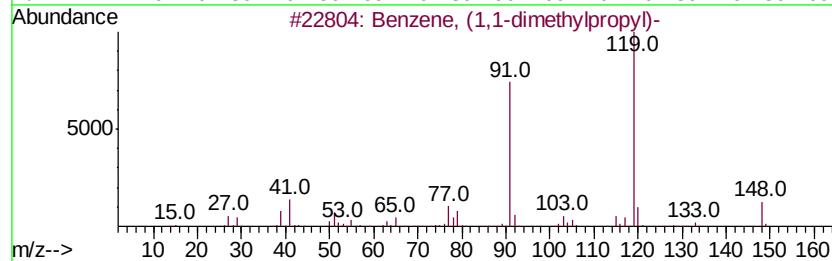
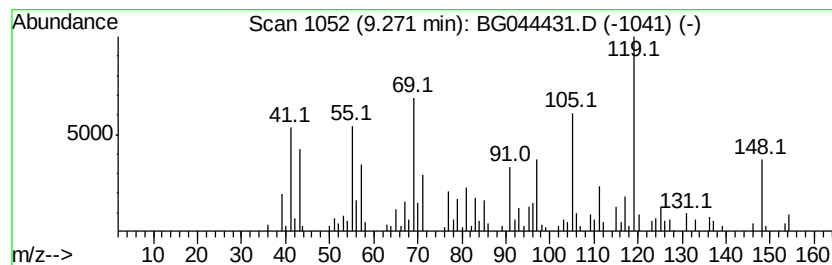
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown9.27 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	6.29 ng	197251	1,4-Dichlorobenzene-d4	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46
2		Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	46
3		4-Aminostyrene	119	C8H9N	001520-21-4	43
4		o-Toluic acid, 2-ethylcyclohexyl...	246	C16H22O2	1000293-34-8	43
5		p-Cymene	134	C10H14	000099-87-6	38



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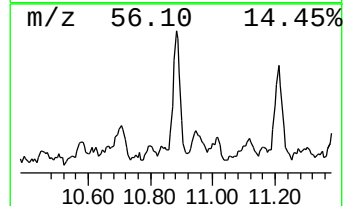
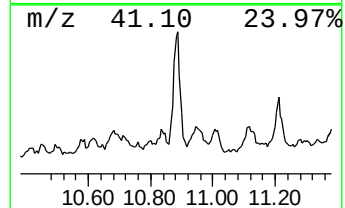
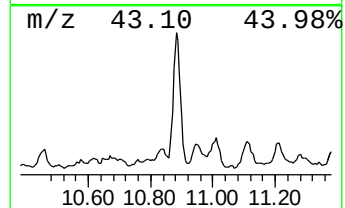
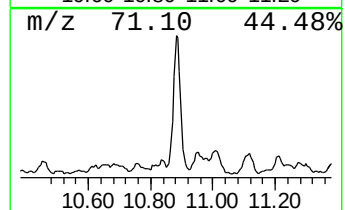
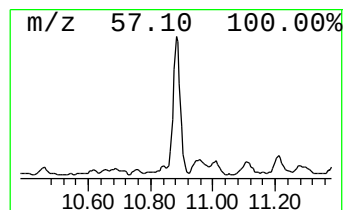
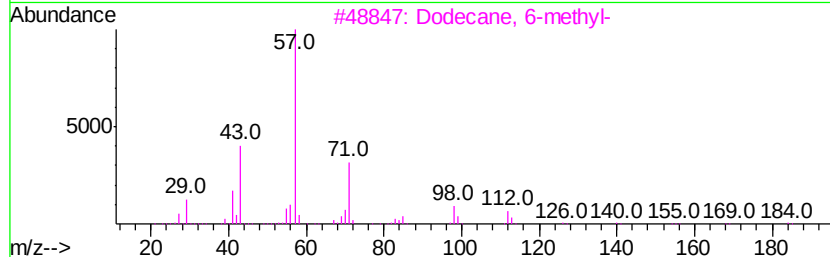
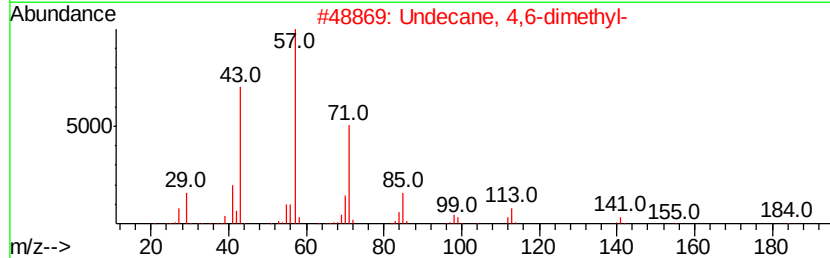
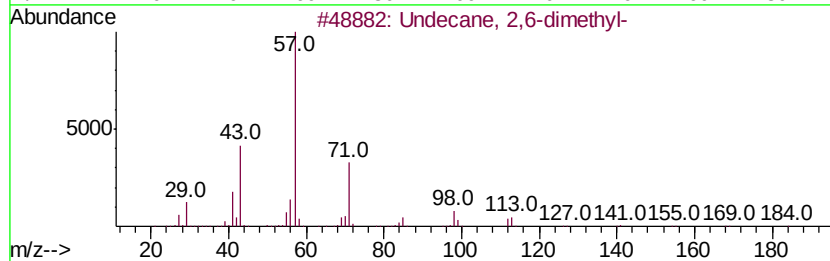
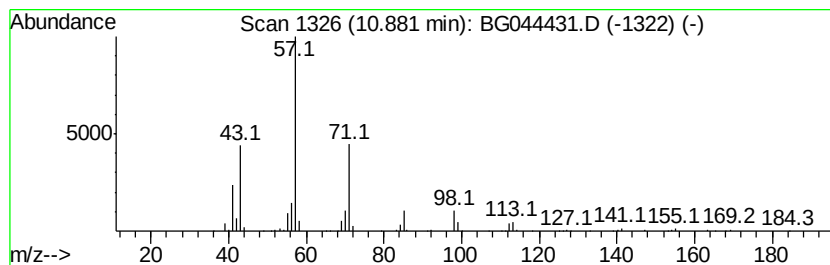
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.88	6.41 ng	349752	Napthalene-d8	10.70	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72



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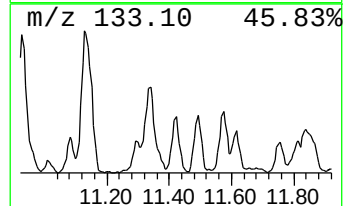
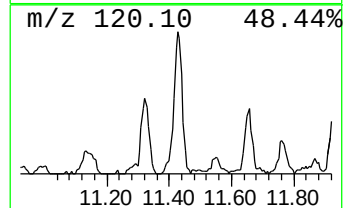
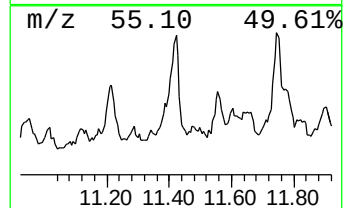
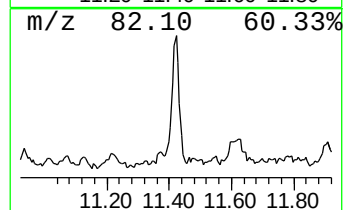
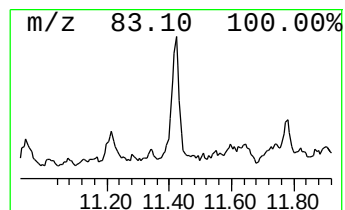
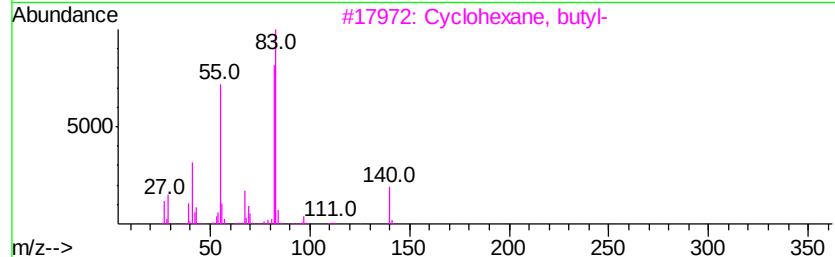
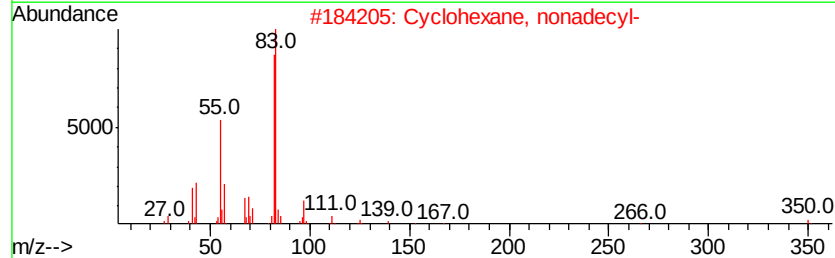
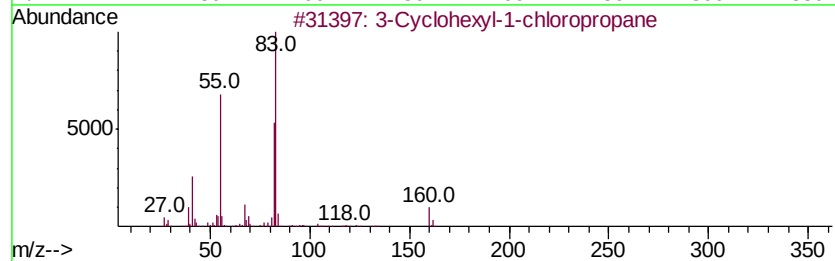
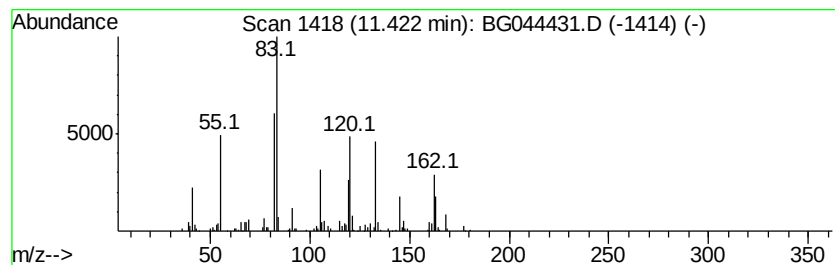
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown11.42 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	4.75 ng	259280	Naphthalene-d8	10.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	27
2		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	16
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	16
4		Bicyclo[2.2.1]heptane-1-carbonit...	177	C11H15NO	088653-54-7	16
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	16



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

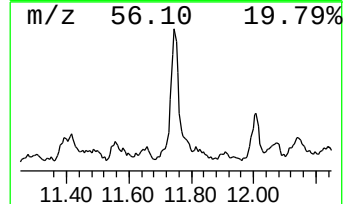
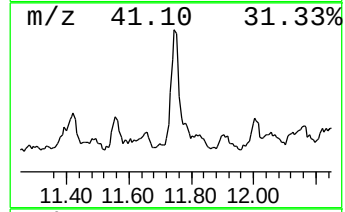
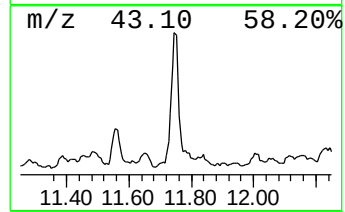
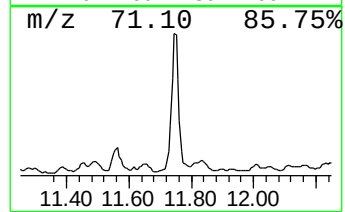
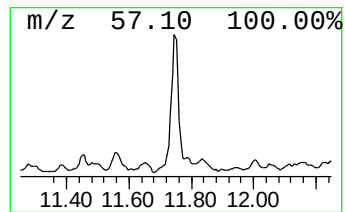
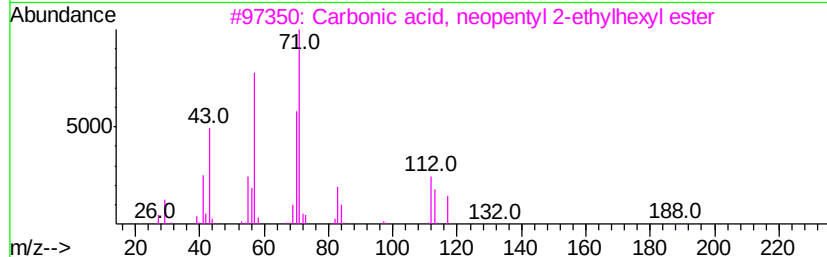
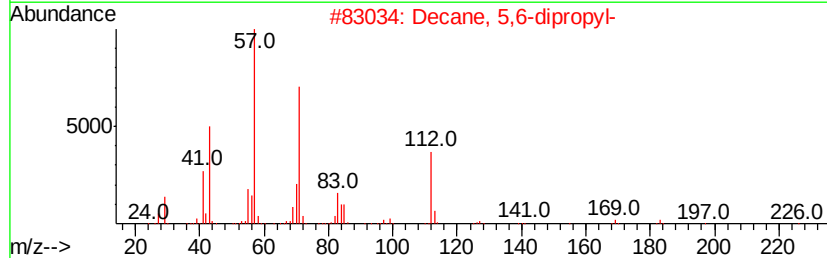
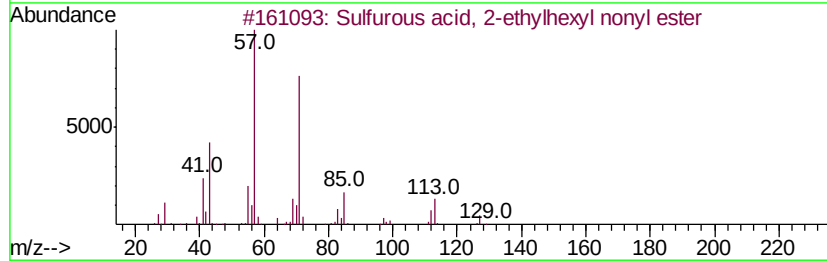
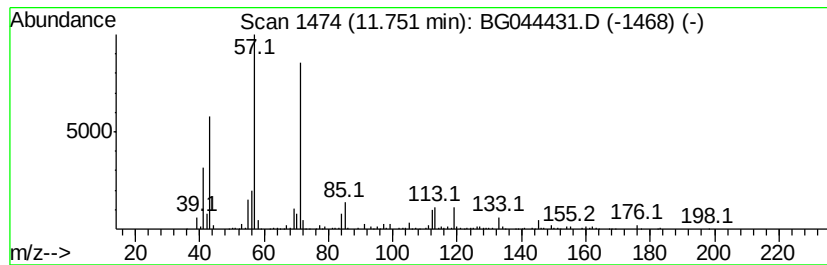
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Sulfurous acid, 2-ethylhexy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	12.75 ng	695764	Naphthalene-d8	10.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
2		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	64
3		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	64
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	59
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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Sample : L1491-04
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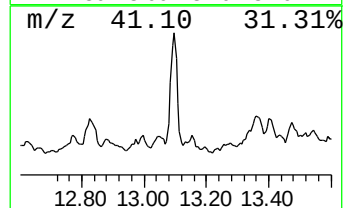
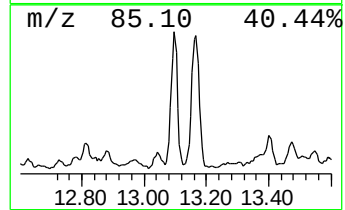
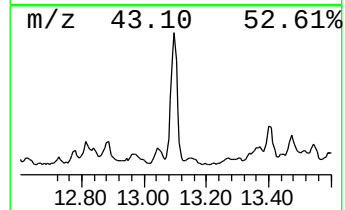
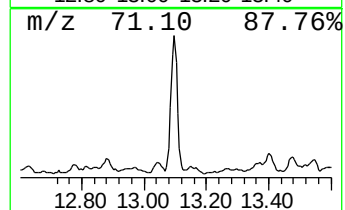
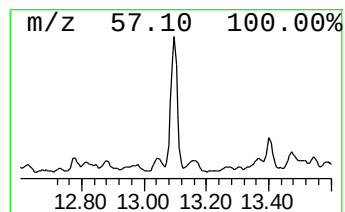
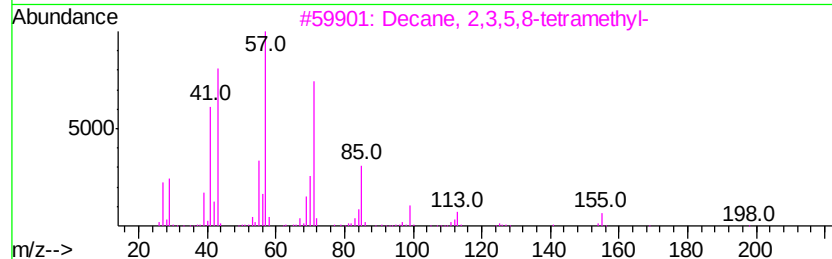
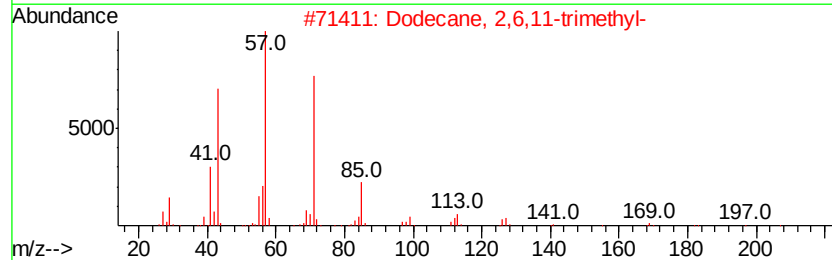
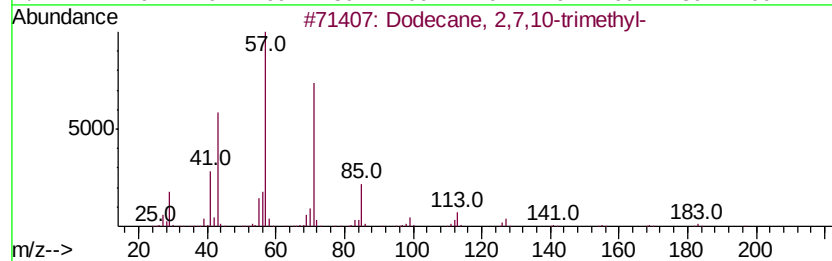
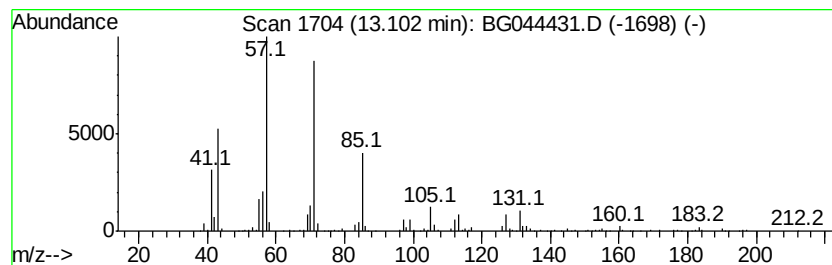
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.10	9.86 ng	695700	Acenaphthene-d10		14.55
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	72
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
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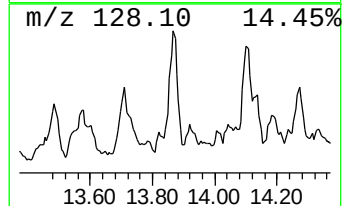
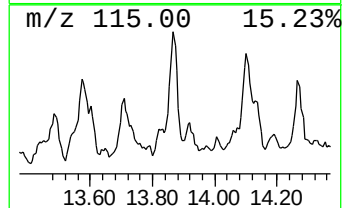
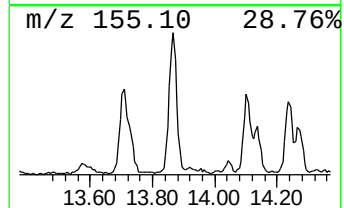
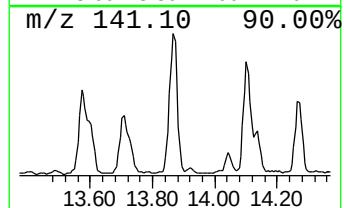
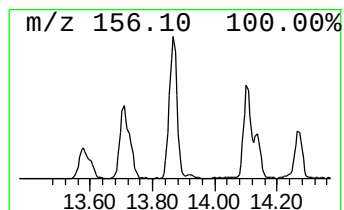
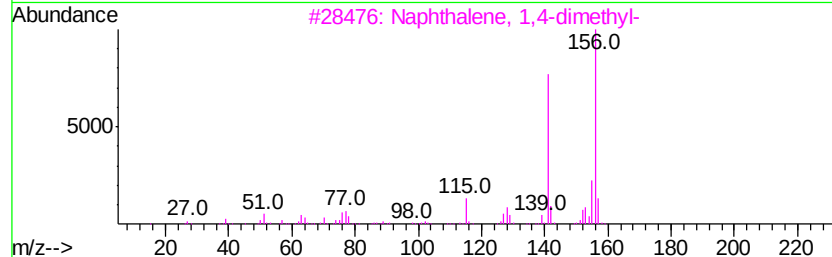
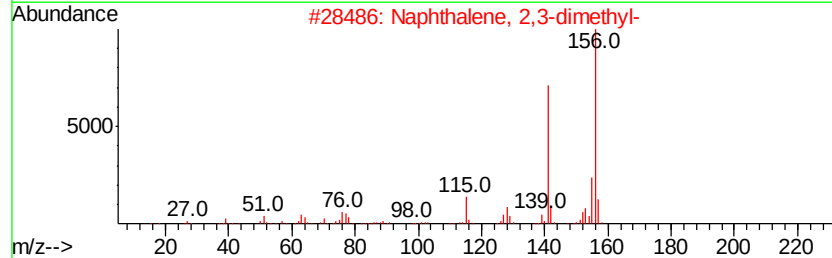
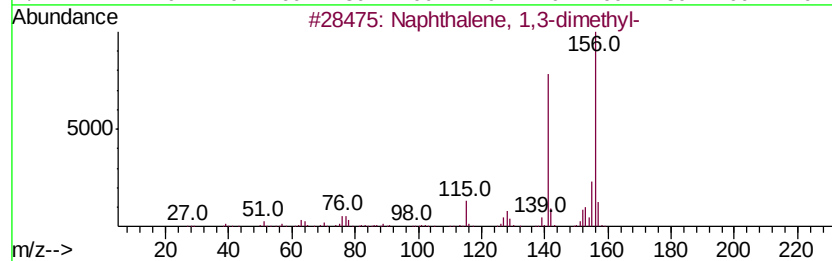
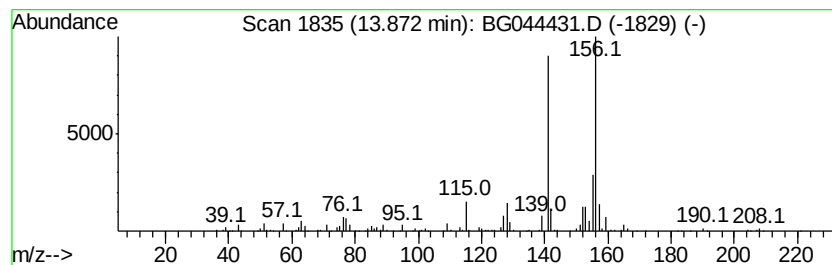
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SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.95 ng	419537	Acenaphthene-d10	14.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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Sample : L1491-04
Misc :
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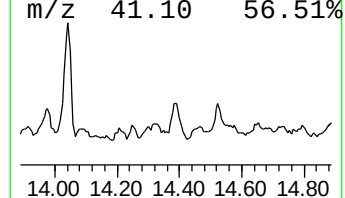
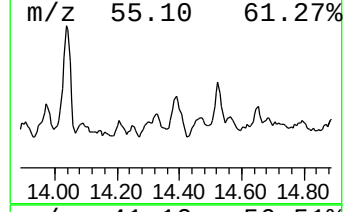
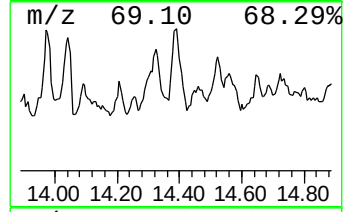
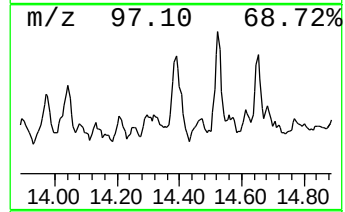
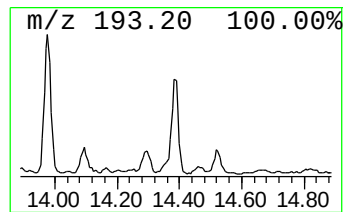
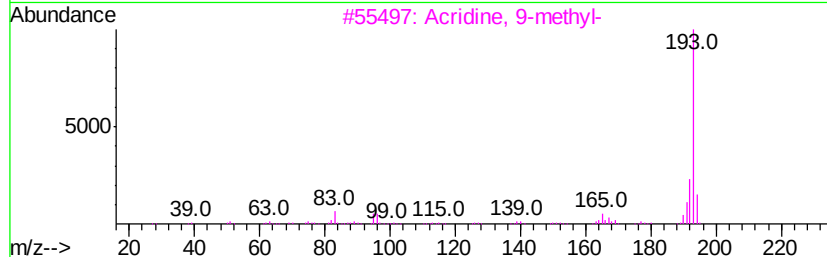
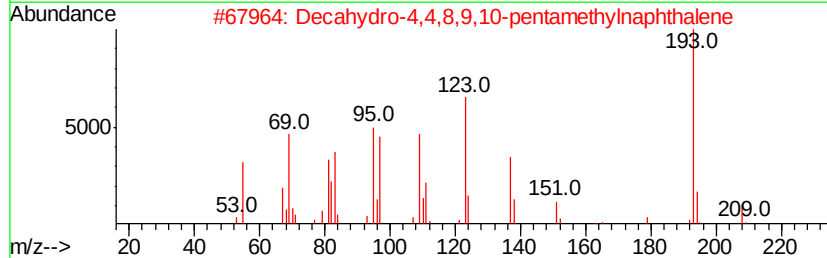
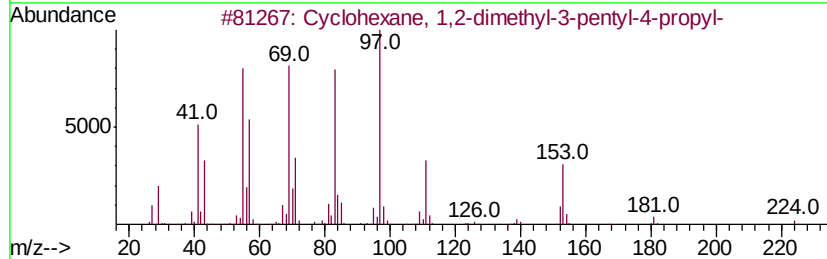
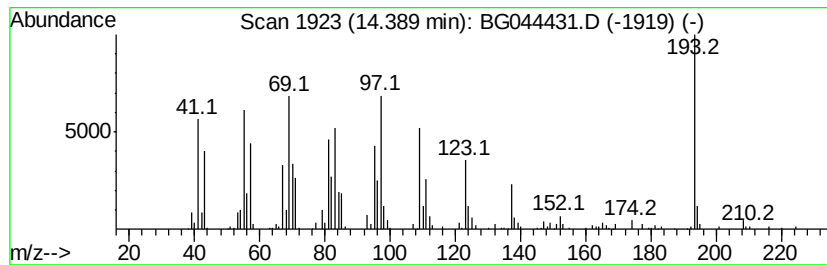
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, 1,2-dimethyl-3... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	5.36 ng	378240	Acenaphthene-d10	14.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,2-dimethyl-3-pent...	224 C16H32	062376-17-4 56
2		Decahydro-4,4,8,9,10-pentamethyl...	208 C15H28	080655-44-3 43
3		Acridine, 9-methyl-	193 C14H11N	000611-64-3 27
4		Butan-2-one, 1-[3-(3,3-dimethyl-...	278 C16H26N2O2	1000303-34-2 22
5		Benzaldehyde, p-nitro-, dimethyl...	193 C9H11N3O2	010424-92-7 18



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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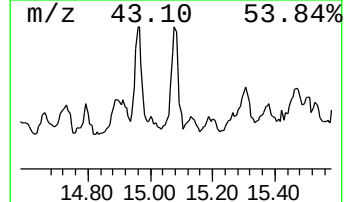
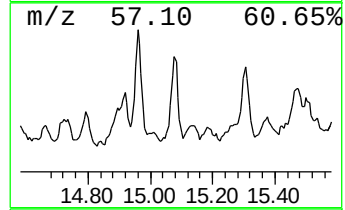
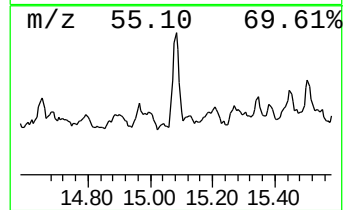
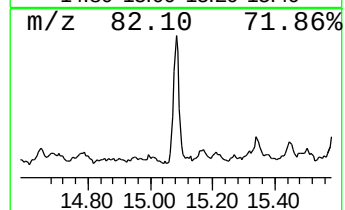
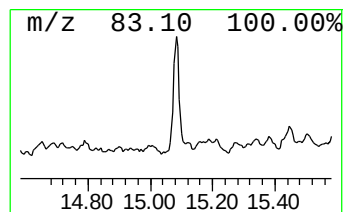
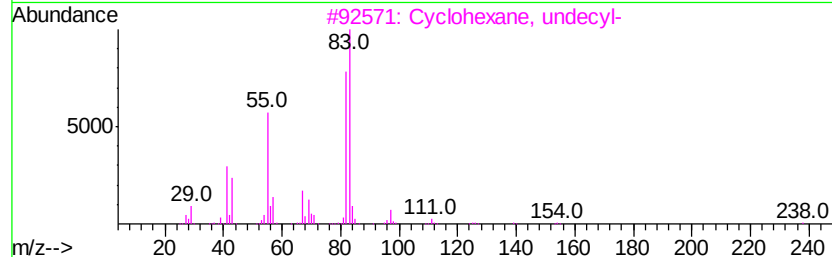
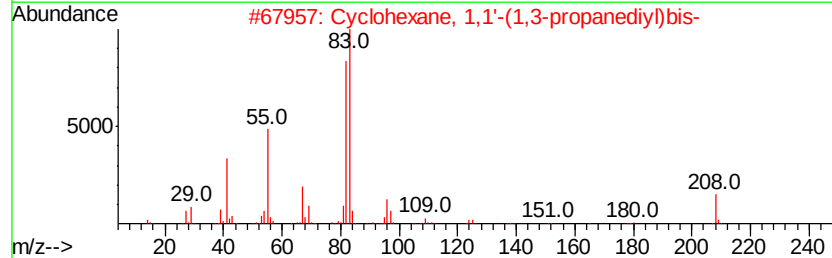
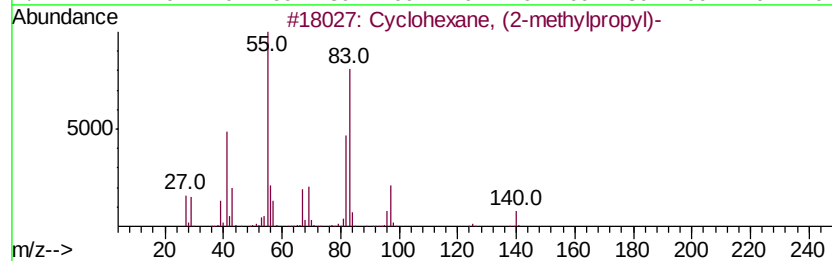
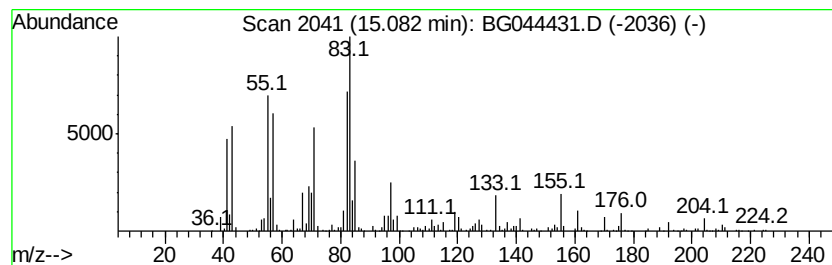
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown15.08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	7.31 ng	515395	Acenaphthene-d10	14.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 43
2		Cyclohexane, 1,1'-(1,3-propanedi...	208 C15H28	003178-24-3 43
3		Cyclohexane, undecyl-	238 C17H34	054105-66-7 43
4		n-Nonylcyclohexane	210 C15H30	002883-02-5 43
5		Cyclohexane, propyl-	126 C9H18	001678-92-8 43



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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Acq On : 13 Feb 2020 23:54
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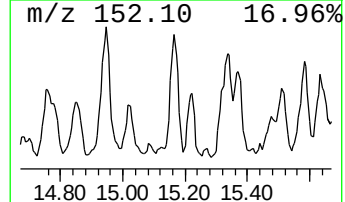
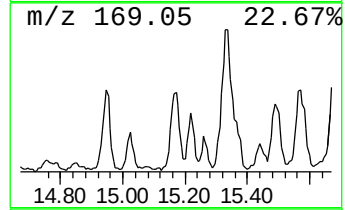
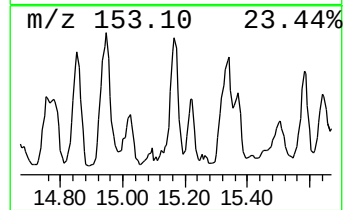
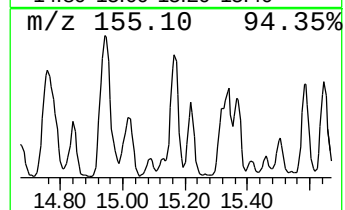
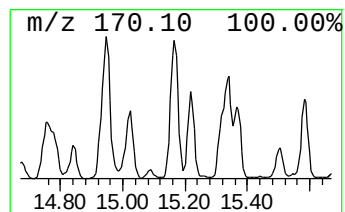
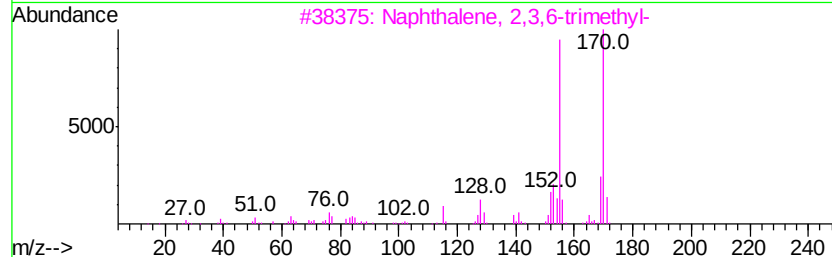
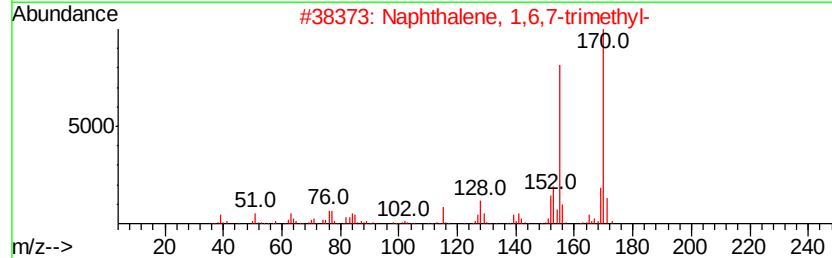
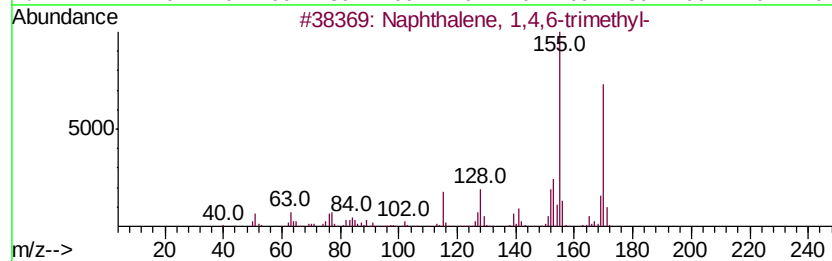
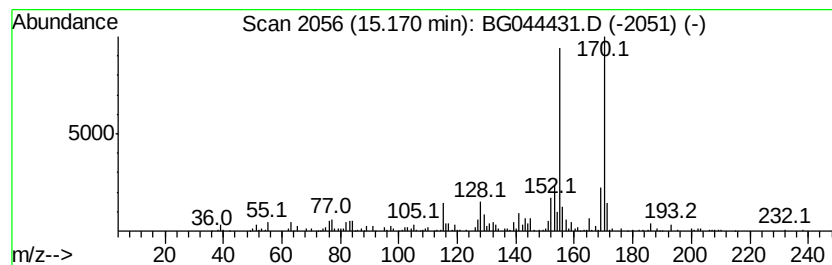
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.53 ng	460744	Acenaphthene-d10	14.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 97
2		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 97
3		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 96
4		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 93
5		3-(2-Methyl-propenyl)-1H-indene	170 C13H14	1000187-78-5 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2A-(13.5-15.5)

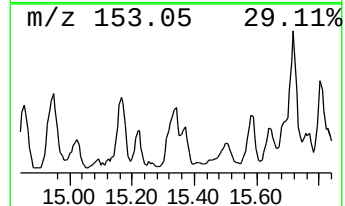
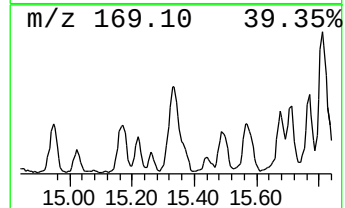
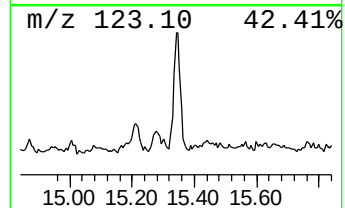
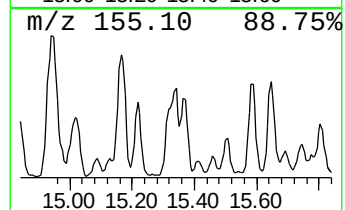
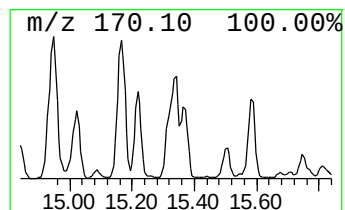
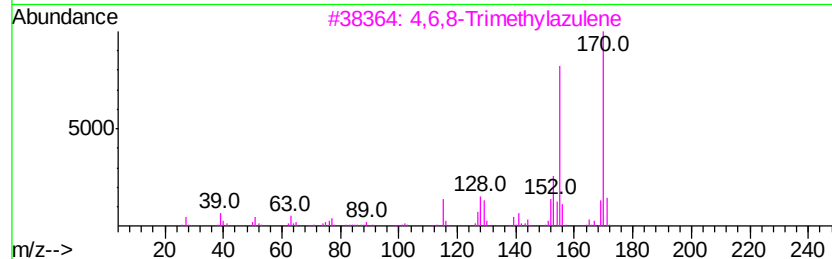
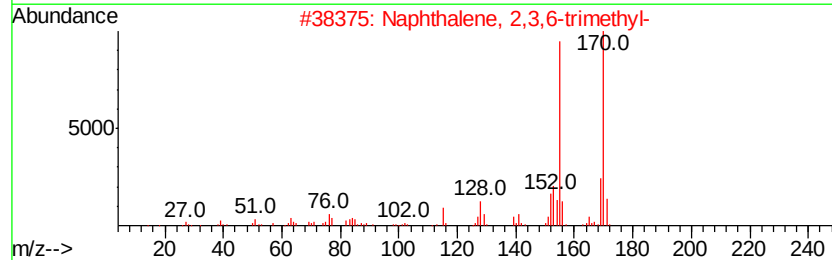
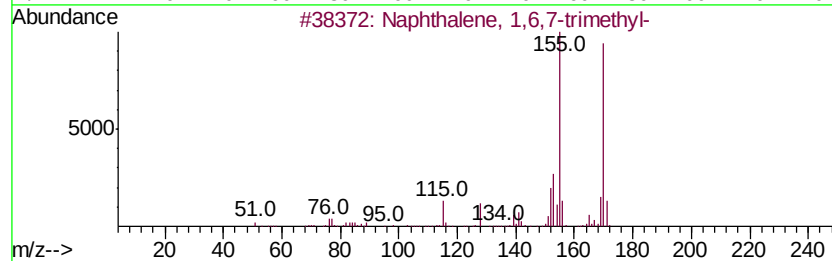
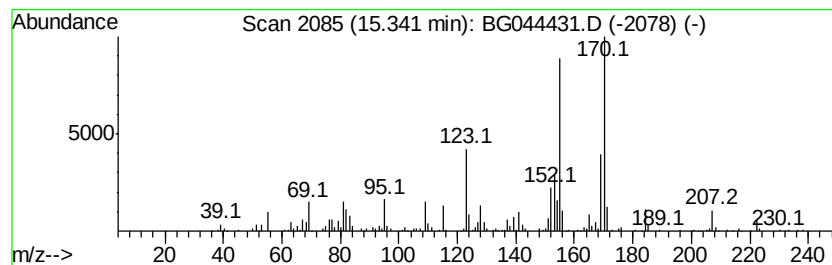
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.52 ng	389171	Acenaphthene-d10	14.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
3			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	78
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2A-(13.5-15.5)

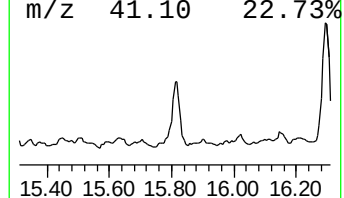
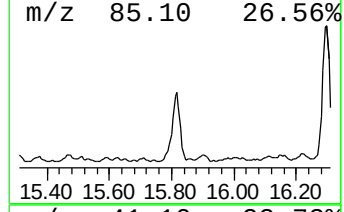
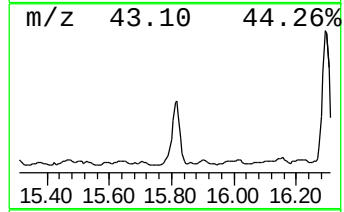
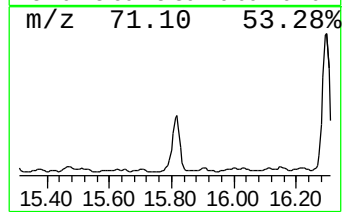
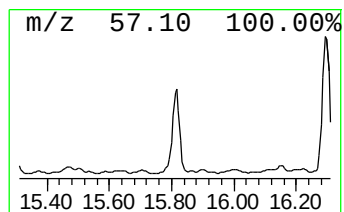
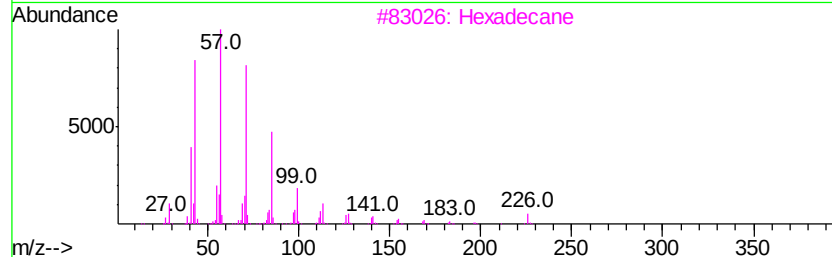
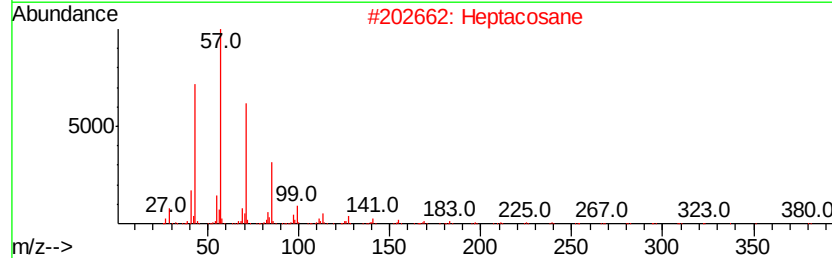
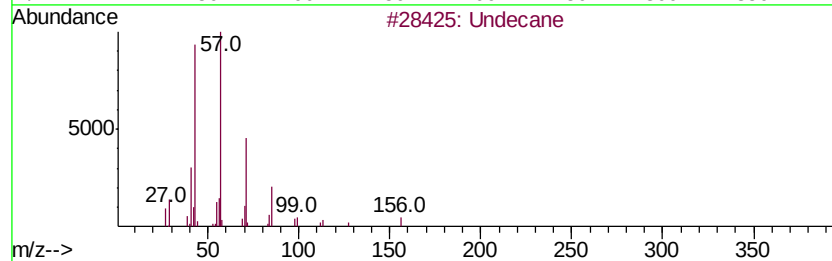
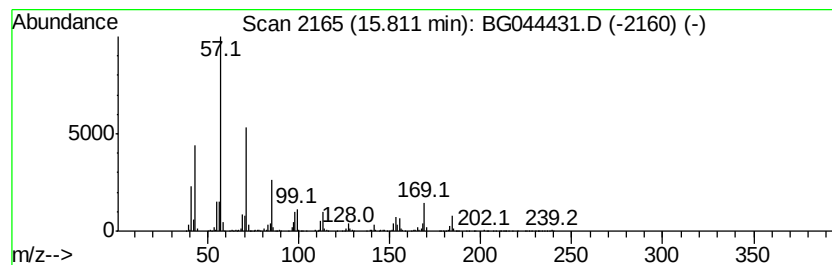
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Undecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	17.91 ng	1263670	Acenaphthene-d10	14.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	72
2		Heptacosane	380	C27H56	000593-49-7	72
3		Hexadecane	226	C16H34	000544-76-3	58
4		Decane, 2-methyl-	156	C11H24	006975-98-0	58
5		Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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Sample : L1491-04
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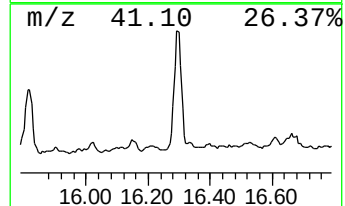
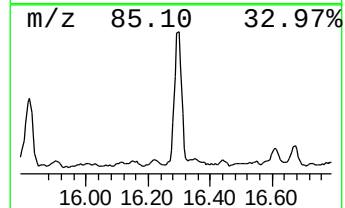
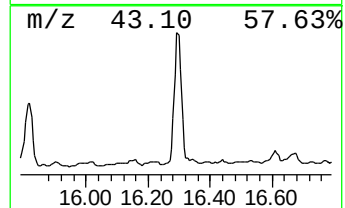
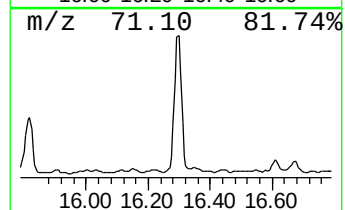
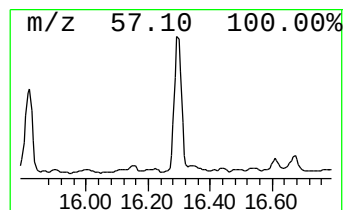
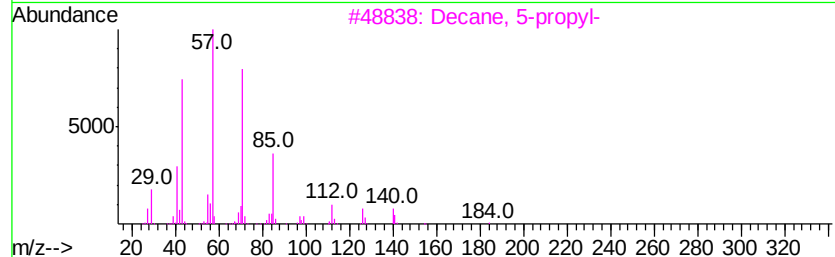
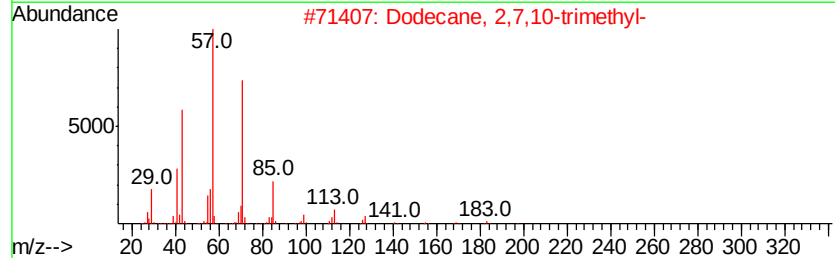
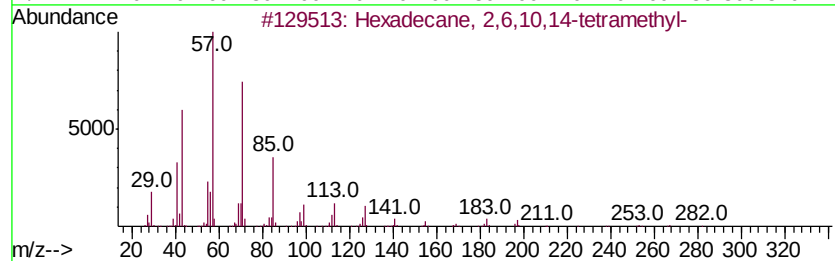
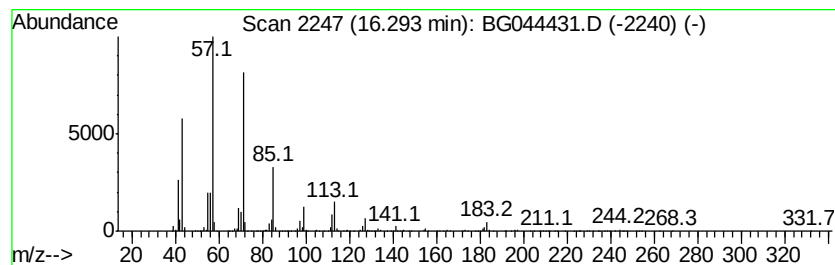
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.29	39.44 ng	2278630	Phenanthrene-d10	17.29		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Decane, 5-propyl-	184	C13H28	017312-62-8	74
4		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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Sample : L1491-04
Misc :
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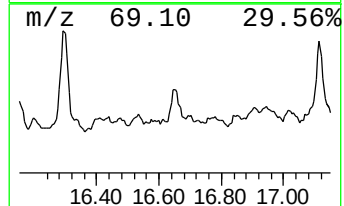
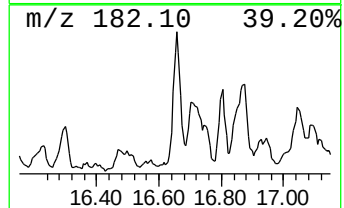
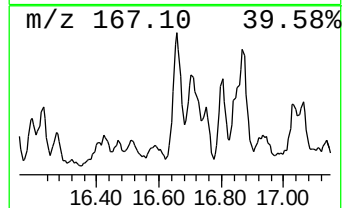
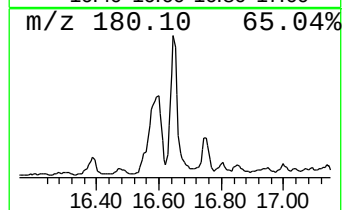
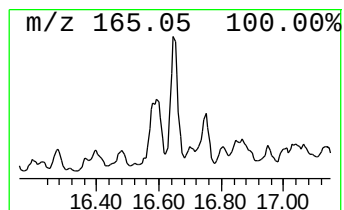
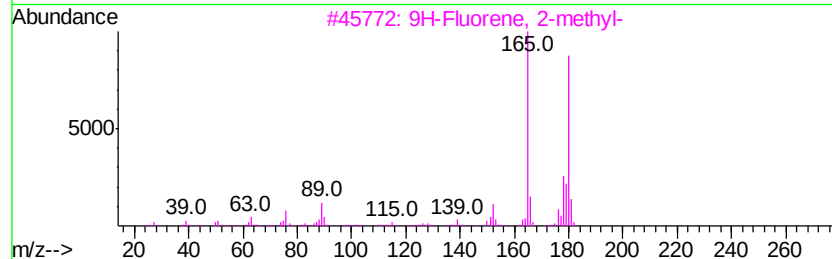
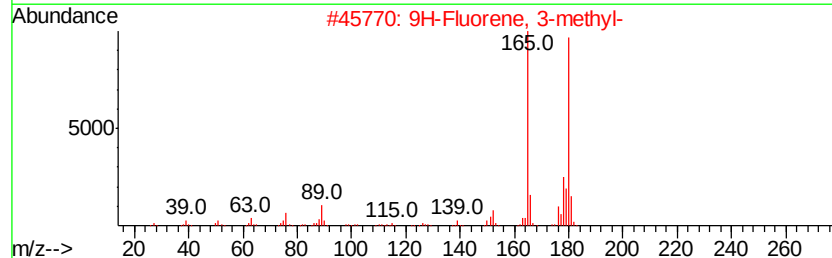
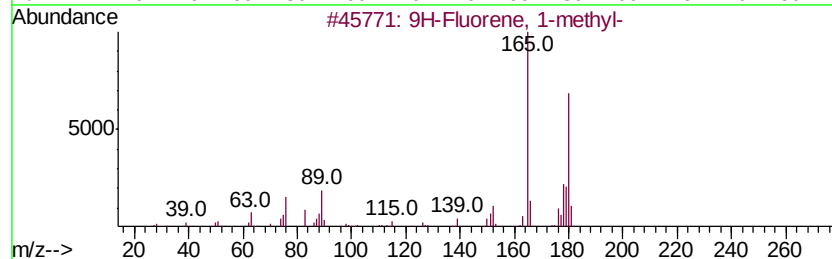
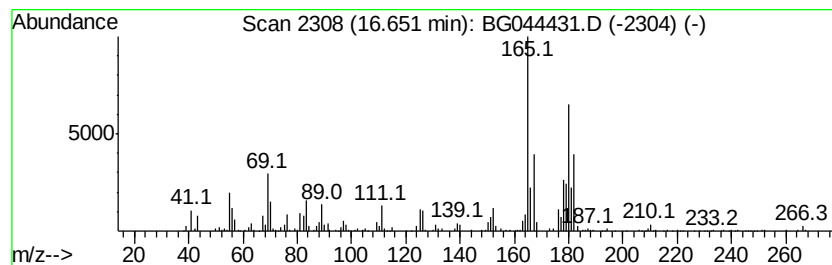
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9H-Fluorene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.65	10.34 ng	597553	Phenanthrene-d10	17.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	46
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
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Operator : CG/JU
Sample : L1491-04
Misc :
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Instrument :
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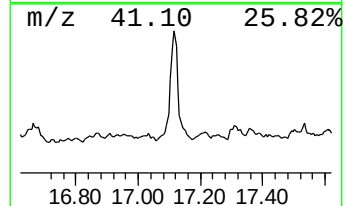
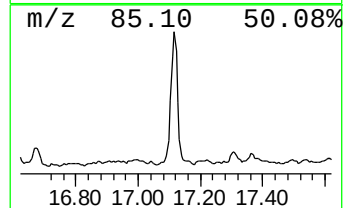
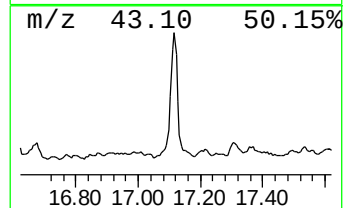
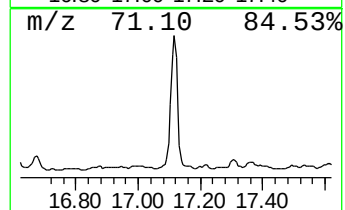
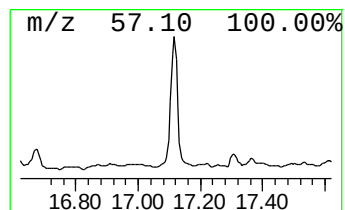
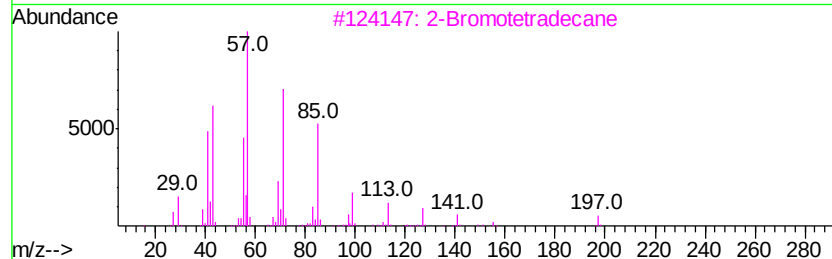
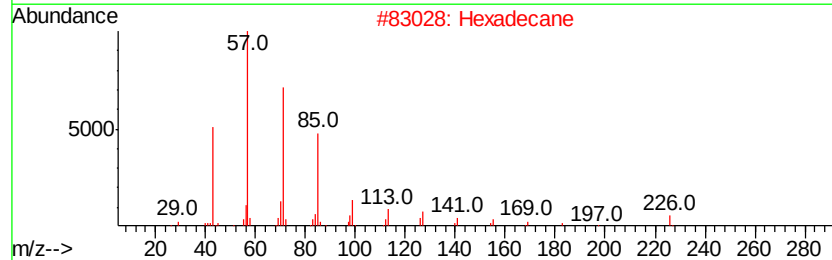
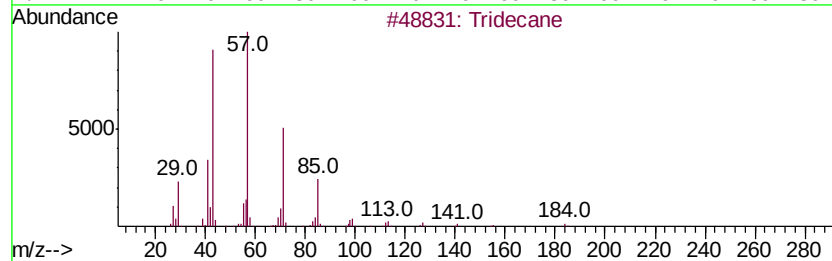
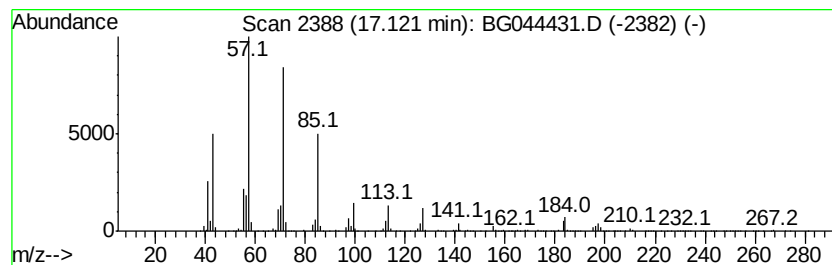
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	32.24 ng	1862500	Phenanthrene-d10	17.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Hexadecane	226	C16H34	000544-76-3	87
3			2-Bromotetradecane	276	C14H29Br	074036-95-6	86
4			Tetracosane	338	C24H50	000646-31-1	86
5			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
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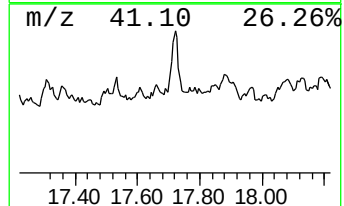
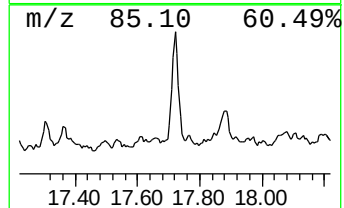
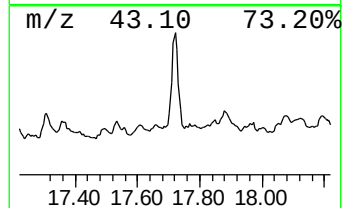
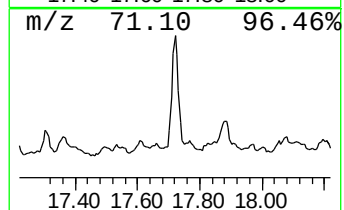
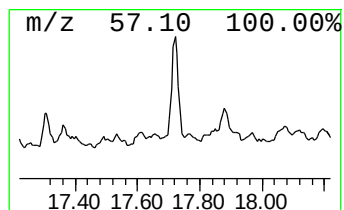
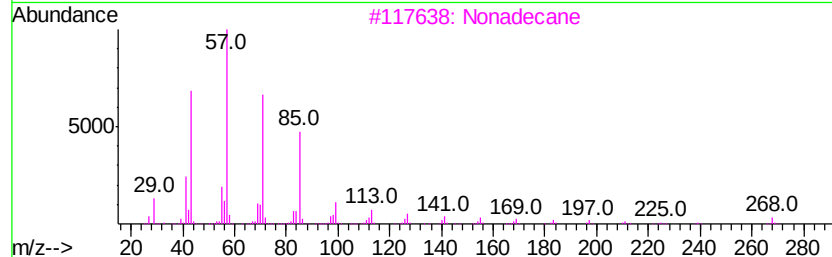
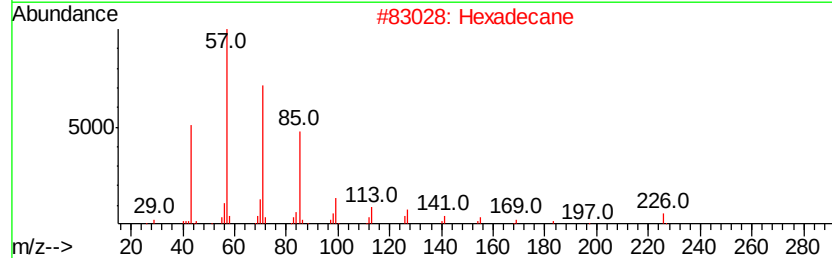
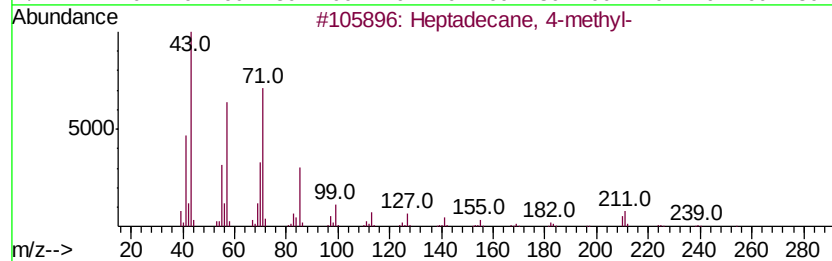
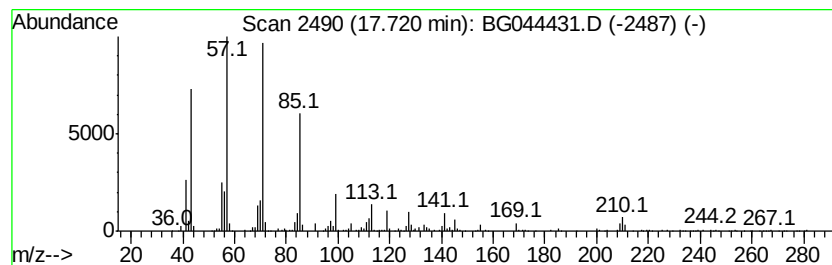
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptadecane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.72	9.47 ng	547219	Phenanthrene-d10		17.29
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Nonadecane	268	C19H40	000629-92-5	72
4	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	72
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
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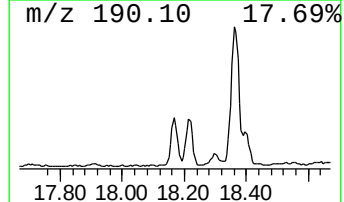
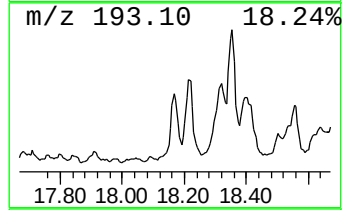
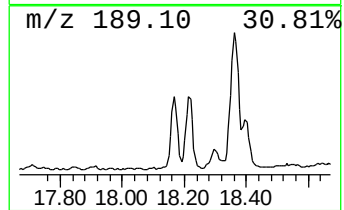
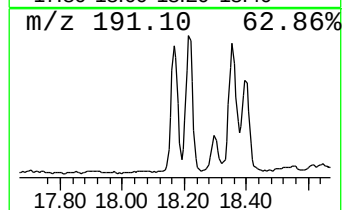
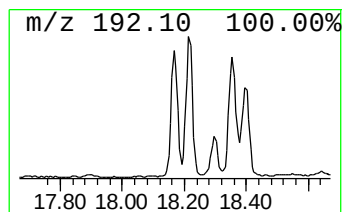
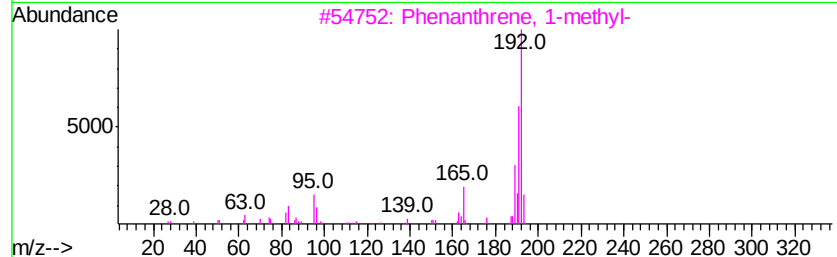
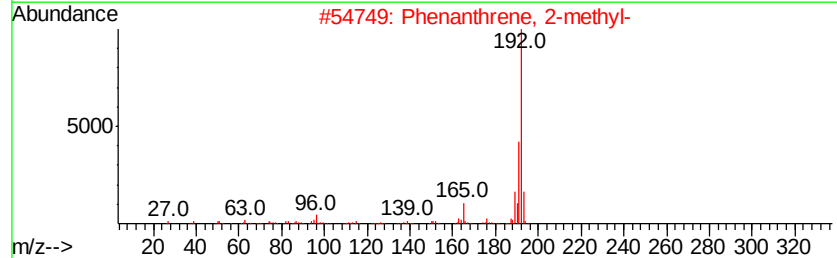
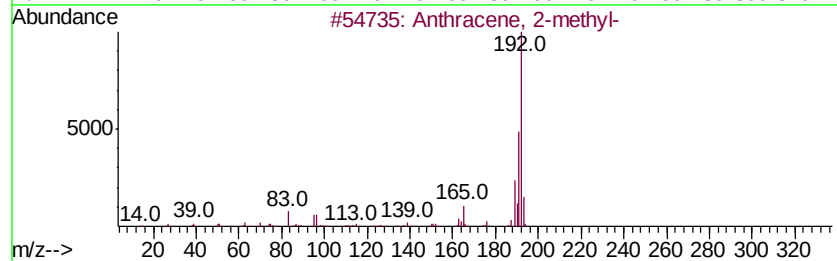
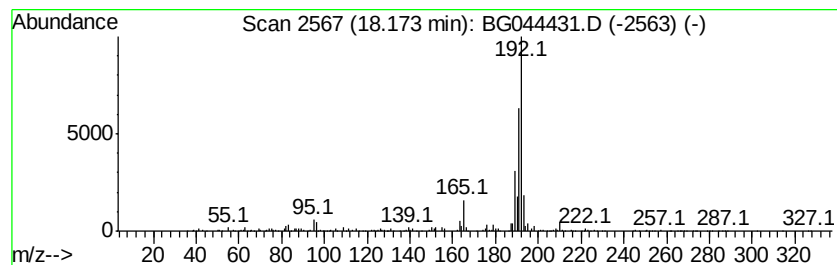
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	6.91 ng	399244	Phenanthrene-d10	17.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
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ALS Vial : 13 Sample Multiplier: 1

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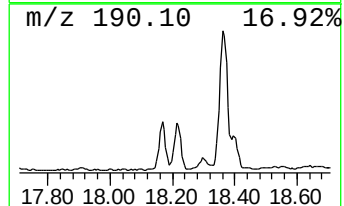
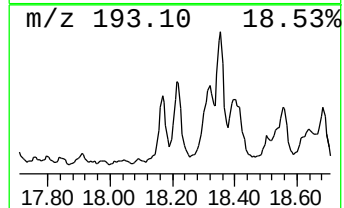
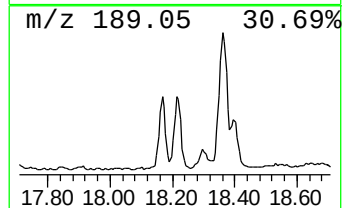
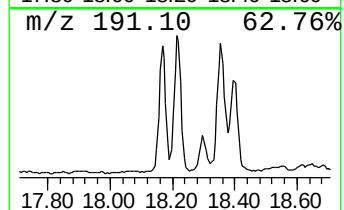
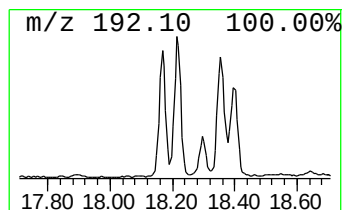
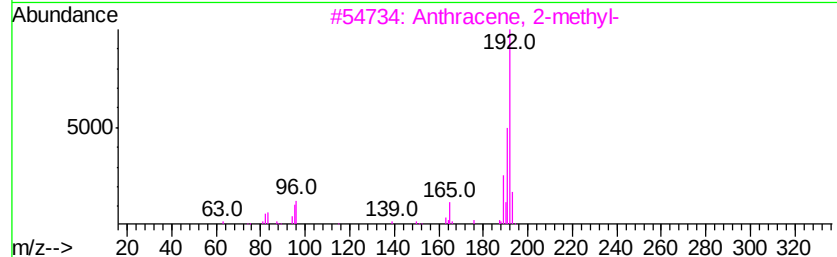
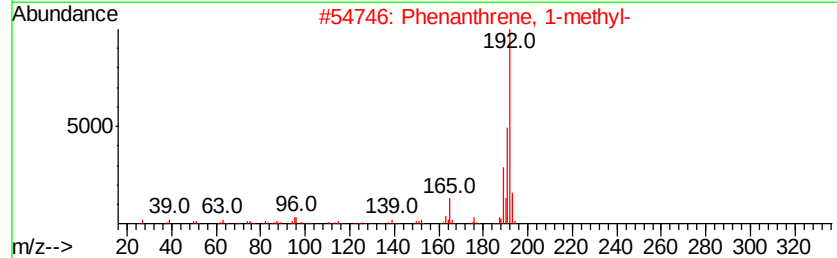
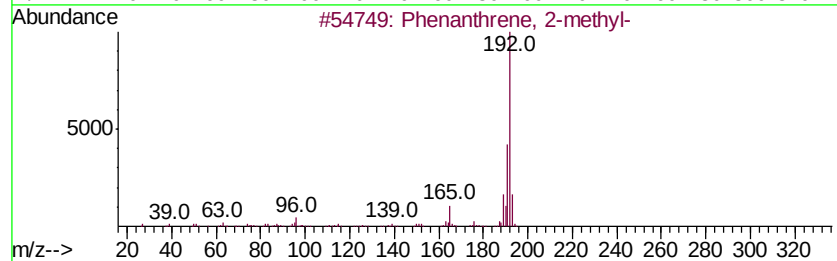
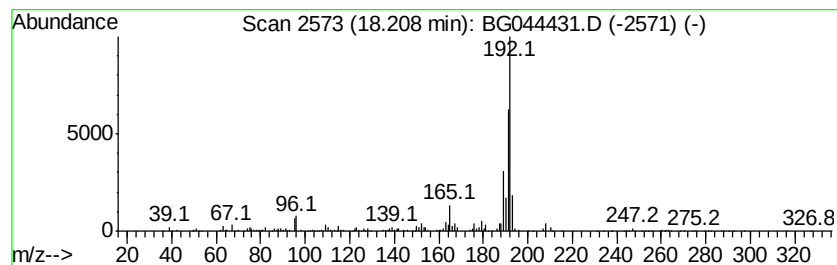
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	10.13 ng	585441	Phenanthrene-d10	17.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

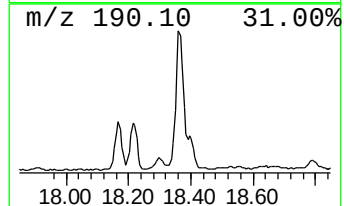
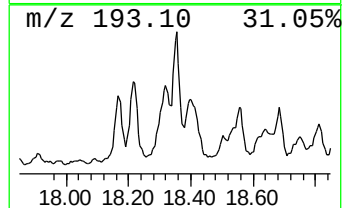
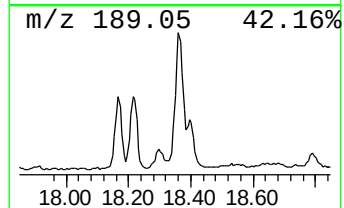
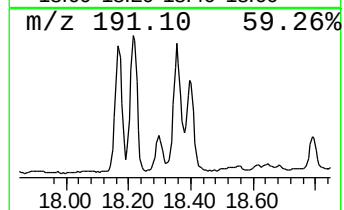
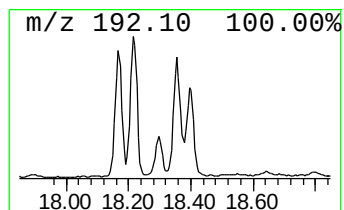
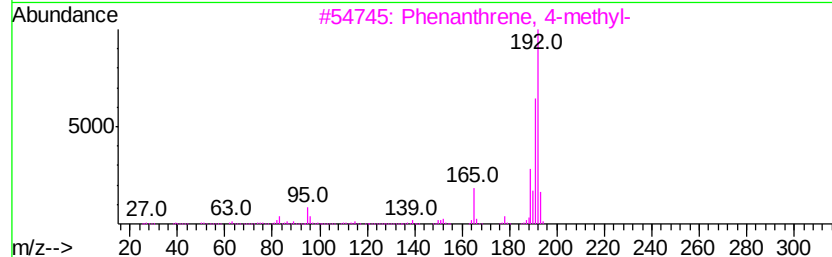
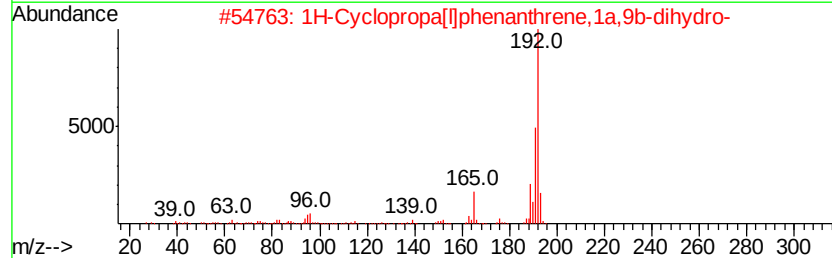
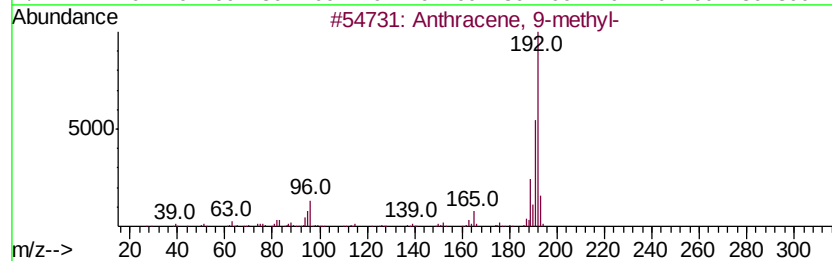
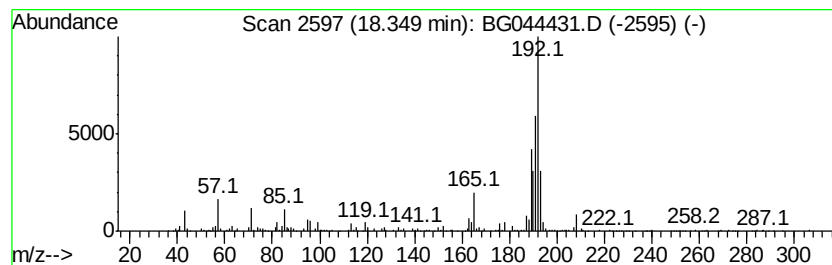
Instrument :
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ClientSampleId :
SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.35	9.00 ng	519831	Phenanthrene-d10	17.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	60
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

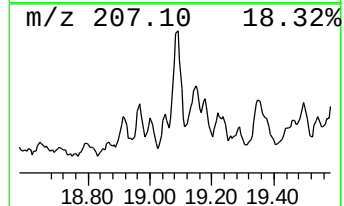
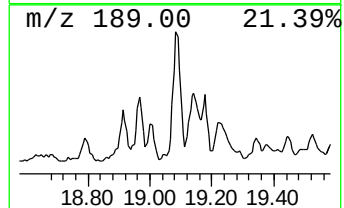
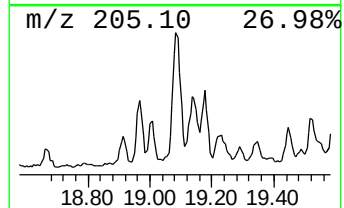
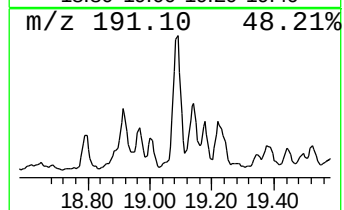
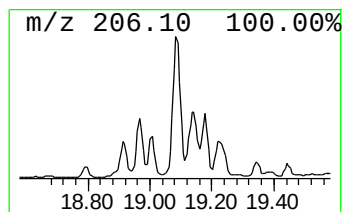
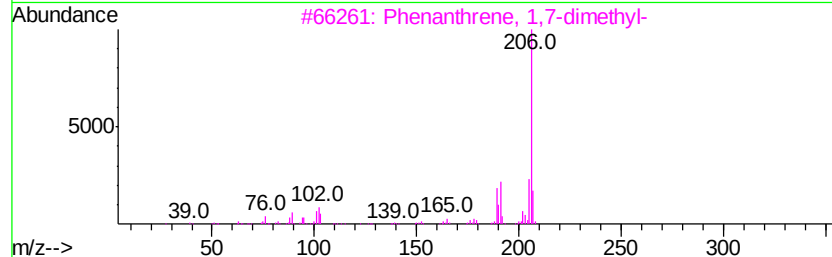
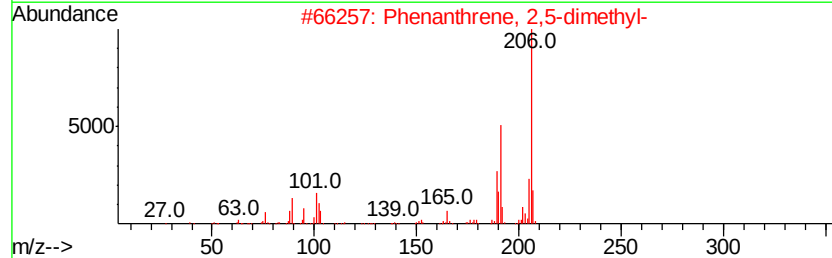
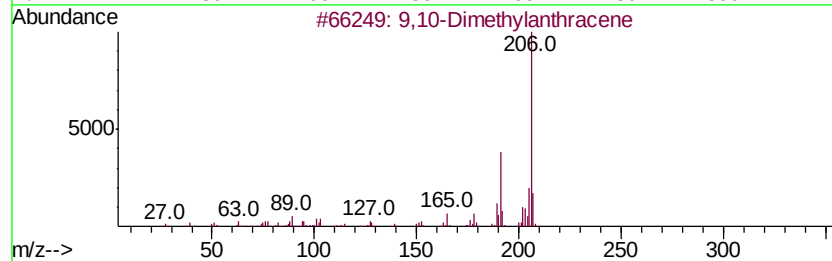
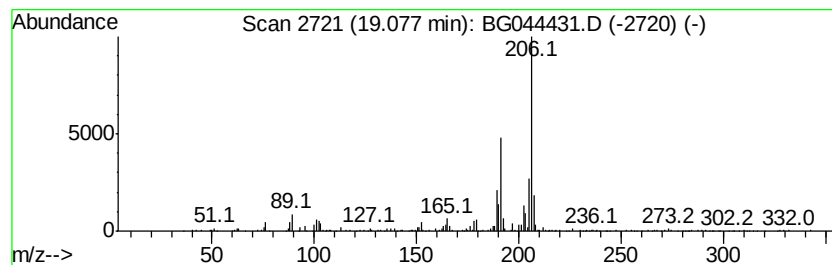
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9,10-Dimethylantracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	9.62 ng	555792	Phenanthrene-d10	17.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021320\
 Data File : BG044431.D
 Acq On : 13 Feb 2020 23:54
 Operator : CG/JU
 Sample : L1491-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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
unknown9.27	9.27	6.3	ng	197251	1	7.90	627254	20.0
Undecane, 2,6-dim...	10.88	6.4	ng	349752	2	10.70	1091520	20.0
unknown11.42	11.42	4.8	ng	259280	2	10.70	1091520	20.0
Sulfurous acid, 2...	11.75	12.8	ng	695764	2	10.70	1091520	20.0
Dodecane, 2,7,10-...	13.10	9.9	ng	695700	3	14.55	1410870	20.0
Naphthalene, 1,3-...	13.87	6.0	ng	419537	3	14.55	1410870	20.0
Cyclohexane, 1,2-...	14.39	5.4	ng	378240	3	14.55	1410870	20.0
unknown15.08	15.08	7.3	ng	515395	3	14.55	1410870	20.0
Naphthalene, 1,4,...	15.17	6.5	ng	460744	3	14.55	1410870	20.0
Naphthalene, 1,6,...	15.34	5.5	ng	389171	3	14.55	1410870	20.0
Undecane	15.81	17.9	ng	1263670	3	14.55	1410870	20.0
Hexadecane, 2,6,1...	16.29	39.4	ng	2278630	4	17.29	1155550	20.0
9H-Fluorene, 1-me...	16.65	10.3	ng	597553	4	17.29	1155550	20.0
Tridecane	17.12	32.2	ng	1862500	4	17.29	1155550	20.0
Heptadecane, 4-me...	17.72	9.5	ng	547219	4	17.29	1155550	20.0
Anthracene, 2-met...	18.17	6.9	ng	399244	4	17.29	1155550	20.0
Phenanthrene, 2-m...	18.21	10.1	ng	585441	4	17.29	1155550	20.0
Anthracene, 9-met...	18.35	9.0	ng	519831	4	17.29	1155550	20.0
9,10-Dimethylanth...	19.08	9.6	ng	555792	4	17.29	1155550	20.0