

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021653.D
 Acq On : 14 Apr 2016 15:18
 Operator : UM/SJ
 Sample : H2512-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ACF-GW-1

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:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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	2.917	10	13	23	rVB	32513	58546	2.23%	0.326%
2	3.375	87	91	99	rVB	28460	43251	1.65%	0.241%
3	5.296	411	418	425	rBV	18713	29664	1.13%	0.165%
4	5.766	490	498	508	rBV	308405	515875	19.66%	2.874%
5	7.358	761	769	778	rVB	209692	363374	13.85%	2.025%
6	7.746	823	835	844	rBV	558498	985620	37.56%	5.491%
7	8.216	904	915	922	rBV2	118885	226237	8.62%	1.260%
8	8.545	960	971	982	rVB	506549	919972	35.05%	5.126%
9	9.386	1107	1114	1124	rVB	434421	822336	31.33%	4.582%
10	9.579	1139	1147	1153	rVB6	16336	40659	1.55%	0.227%
11	9.691	1153	1166	1172	rBV9	9206	29235	1.11%	0.163%
12	10.108	1226	1237	1240	rBV3	14515	33169	1.26%	0.185%
13	10.214	1249	1255	1261	rBV5	18387	39207	1.49%	0.218%
14	10.425	1286	1291	1297	rVV4	27477	52842	2.01%	0.294%
15	11.031	1382	1394	1401	rVV	164776	388614	14.81%	2.165%
16	11.089	1401	1404	1408	rVV6	19569	32882	1.25%	0.183%
17	11.136	1408	1412	1415	rVV	28222	50742	1.93%	0.283%
18	11.172	1415	1418	1424	rVB	36799	58315	2.22%	0.325%
19	11.501	1468	1474	1483	rVB5	30766	70098	2.67%	0.391%
20	11.612	1487	1493	1497	rBV4	16881	35092	1.34%	0.196%
21	11.689	1501	1506	1509	rBV	23208	44083	1.68%	0.246%
22	11.935	1542	1548	1554	rVB4	28637	57919	2.21%	0.323%
23	12.029	1559	1564	1568	rBV	41620	69883	2.66%	0.389%
24	12.124	1575	1580	1585	rVB2	26936	46471	1.77%	0.259%
25	12.212	1590	1595	1600	rVB7	18457	33063	1.26%	0.184%
26	12.335	1613	1616	1621	rVB	17084	27968	1.07%	0.156%
27	12.406	1622	1628	1636	rBV5	15617	48724	1.86%	0.271%
28	12.558	1649	1654	1659	rVB2	48304	79914	3.05%	0.445%
29	12.629	1662	1666	1671	rVB4	26874	43810	1.67%	0.244%
30	12.758	1679	1688	1694	rBV9	13067	32003	1.22%	0.178%
31	12.917	1708	1715	1719	rVB3	37952	77818	2.97%	0.434%
32	13.357	1781	1790	1799	rBV3	67880	146042	5.56%	0.814%
33	13.451	1799	1806	1816	rVB	1151225	1886058	71.87%	10.508%
34	13.616	1830	1834	1839	rBV4	29821	62064	2.36%	0.346%

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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:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.663	1839	1842	1847	rVB3	30551	45478	1.73%	0.253%
36	13.763	1847	1859	1865	rBV3	50435	129929	4.95%	0.724%
37	13.857	1871	1875	1876	rBV	25283	28959	1.10%	0.161%
38	13.986	1891	1897	1900	rBV2	62352	123304	4.70%	0.687%
39	14.145	1919	1924	1930	rBV	102342	173279	6.60%	0.965%
40	14.192	1930	1932	1937	rVB5	26374	37632	1.43%	0.210%
41	14.286	1938	1948	1953	rBV4	103803	209523	7.98%	1.167%
42	14.380	1960	1964	1968	rBV3	51348	88261	3.36%	0.492%
43	14.544	1988	1992	2001	rBV3	49417	89970	3.43%	0.501%
44	14.656	2007	2011	2015	rVB5	25380	36849	1.40%	0.205%
45	14.703	2015	2019	2022	rBV	22205	30989	1.18%	0.173%
46	14.820	2027	2039	2045	rBV2	280251	554615	21.13%	3.090%
47	14.903	2050	2053	2057	rVB6	36958	48677	1.85%	0.271%
48	15.026	2068	2074	2082	rVB2	70091	173887	6.63%	0.969%
49	15.102	2083	2087	2090	rBV3	28942	45400	1.73%	0.253%
50	15.208	2099	2105	2113	rVB2	108451	195557	7.45%	1.090%
51	15.284	2114	2118	2122	rBV	71787	101924	3.88%	0.568%
52	15.431	2138	2143	2147	rBV2	73094	131912	5.03%	0.735%
53	15.484	2148	2152	2156	rVB	61268	87580	3.34%	0.488%
54	15.531	2157	2160	2165	rBV4	16901	27072	1.03%	0.151%
55	15.602	2165	2172	2175	rBV4	56264	132273	5.04%	0.737%
56	15.643	2175	2179	2184	rVB3	71781	119043	4.54%	0.663%
57	15.854	2210	2215	2219	rBV2	52314	99793	3.80%	0.556%
58	15.990	2234	2238	2241	rBV	44233	68027	2.59%	0.379%
59	16.048	2245	2248	2256	rVB2	107490	203163	7.74%	1.132%
60	16.301	2282	2291	2298	rBV	835036	1304011	49.69%	7.265%
61	16.442	2312	2315	2321	rBV8	13539	27834	1.06%	0.155%
62	16.524	2321	2329	2336	rBV	246224	444920	16.95%	2.479%
63	16.665	2349	2353	2357	rVB2	39639	59491	2.27%	0.331%
64	16.841	2380	2383	2390	rVB7	32233	66910	2.55%	0.373%
65	16.912	2390	2395	2400	rBV4	68066	117602	4.48%	0.655%
66	17.112	2426	2429	2439	rVB8	40794	115042	4.38%	0.641%
67	17.294	2455	2460	2463	rBV4	30812	51606	1.97%	0.288%
68	17.347	2465	2469	2473	rVV2	80649	117787	4.49%	0.656%
69	17.558	2499	2505	2509	rBV	349653	555856	21.18%	3.097%
70	17.829	2547	2551	2555	rBV7	13465	27236	1.04%	0.152%
71	17.952	2568	2572	2576	rBV4	36754	59765	2.28%	0.333%

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 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
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72	18.134	2594	2603	2612	rBV7	26765	95248	3.63%	0.531%
73	18.428	2648	2653	2657	rBV2	61039	110105	4.20%	0.613%
74	18.475	2657	2661	2669	rVB3	51993	87311	3.33%	0.486%
75	18.610	2680	2684	2689	rBV3	33337	55499	2.11%	0.309%
76	18.657	2689	2692	2698	rVB4	30236	47950	1.83%	0.267%
77	19.156	2775	2777	2783	rVB6	22974	29257	1.11%	0.163%
78	19.333	2802	2807	2811	rBV3	40117	64098	2.44%	0.357%
79	20.144	2939	2945	2951	rBV	2049074	2624371	100.00%	14.622%
80	20.931	3076	3079	3083	rVB2	25259	28156	1.07%	0.157%
81	21.448	3163	3167	3171	rBV3	28067	43335	1.65%	0.241%
82	21.824	3225	3231	3241	rVB	406675	704534	26.85%	3.925%
83	25.161	3788	3799	3810	rVB2	221813	676007	25.76%	3.766%

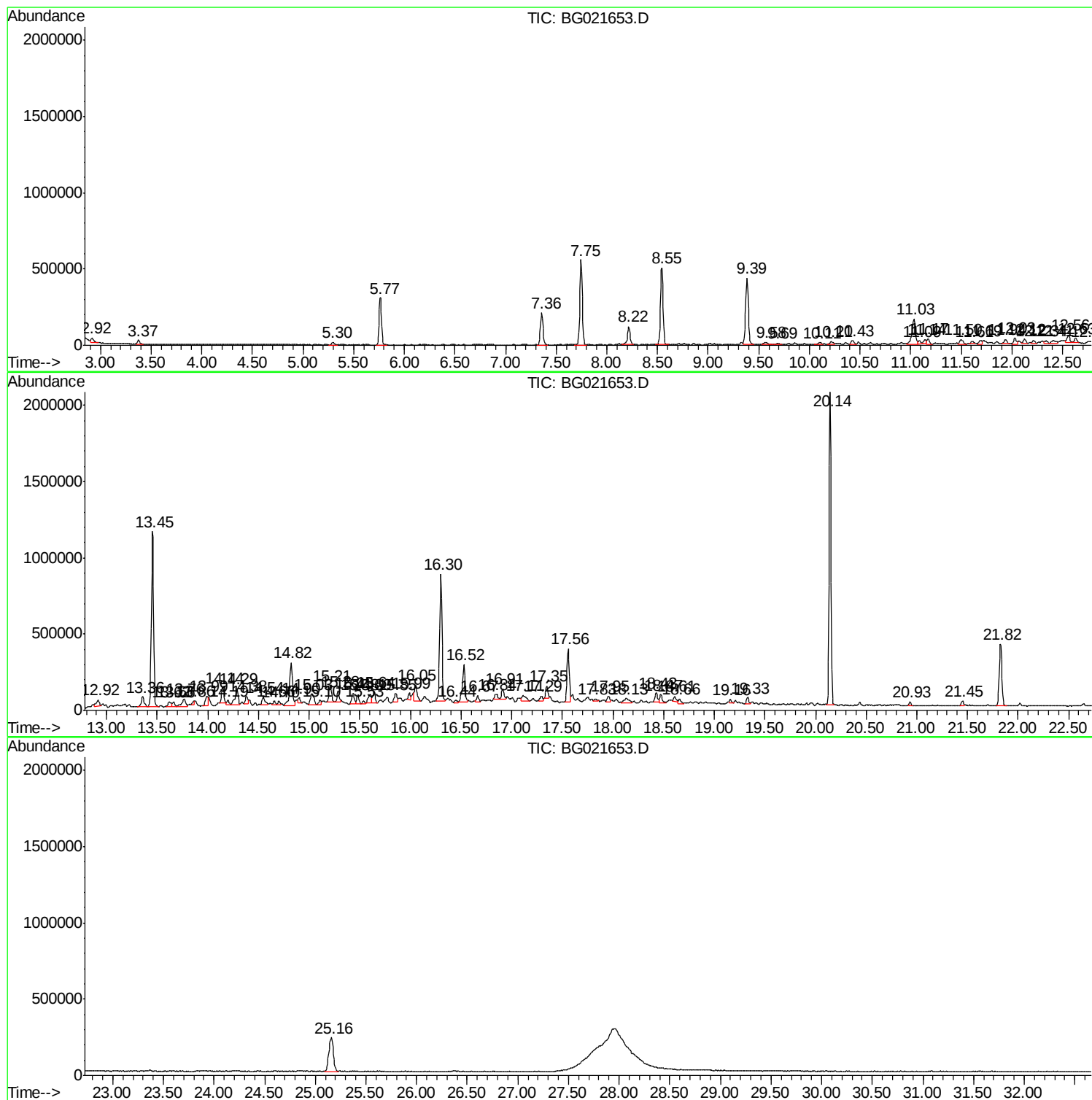
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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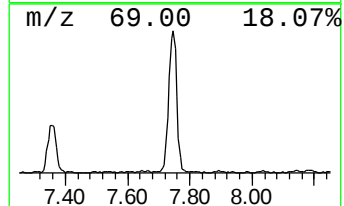
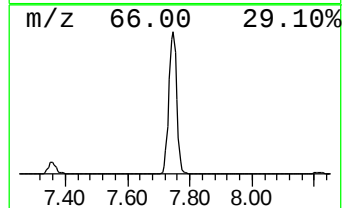
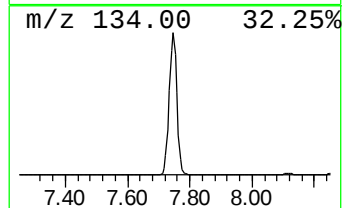
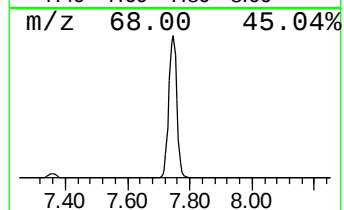
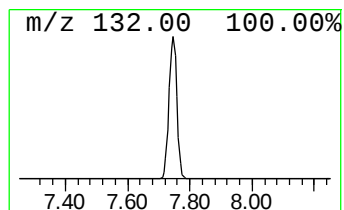
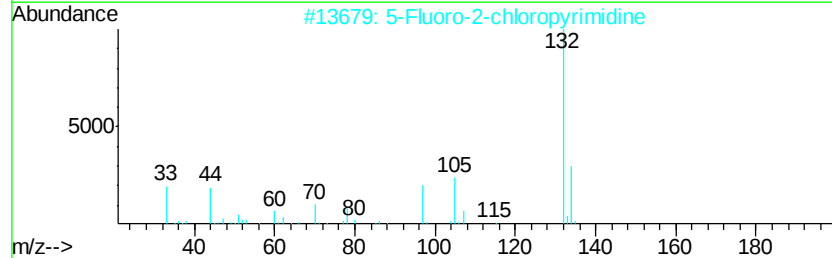
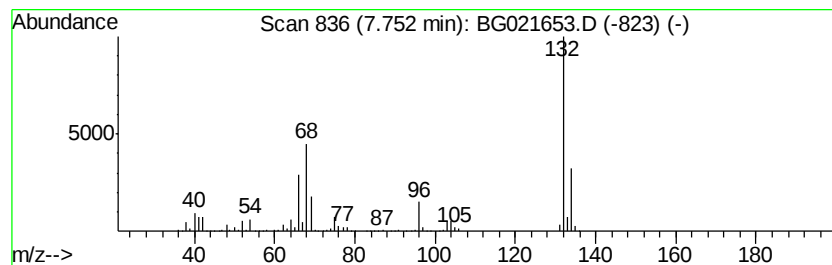
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	87.13 ng	985620	1,4-Dichlorobenzene-d4	8.22

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	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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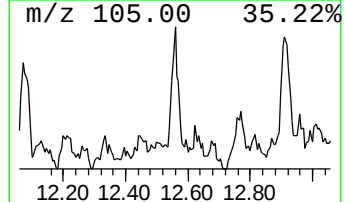
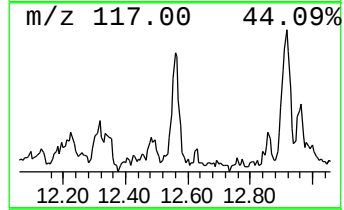
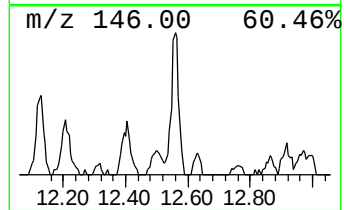
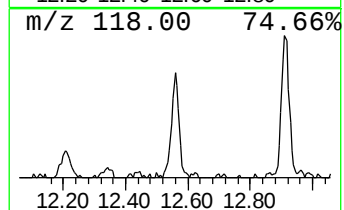
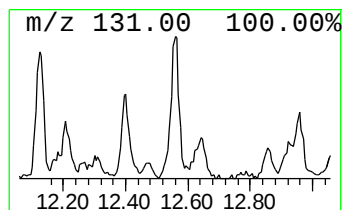
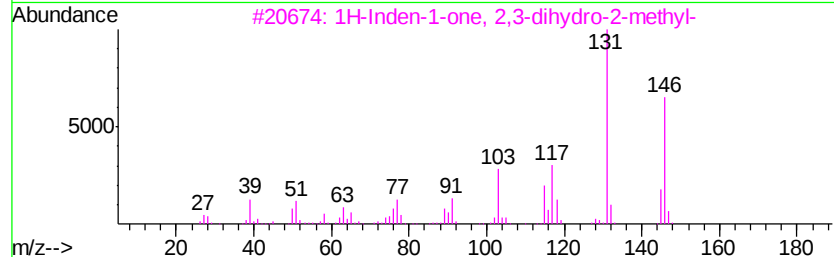
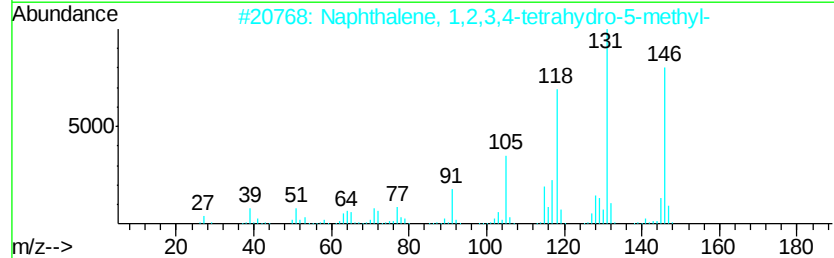
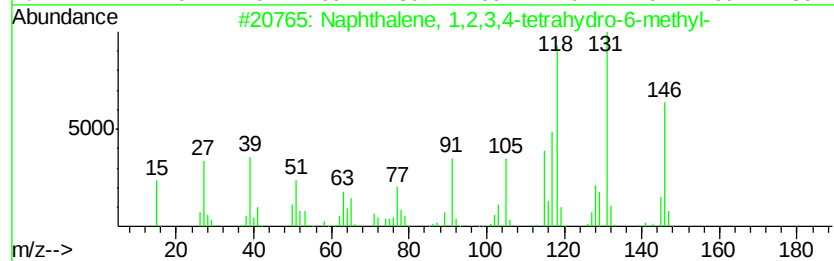
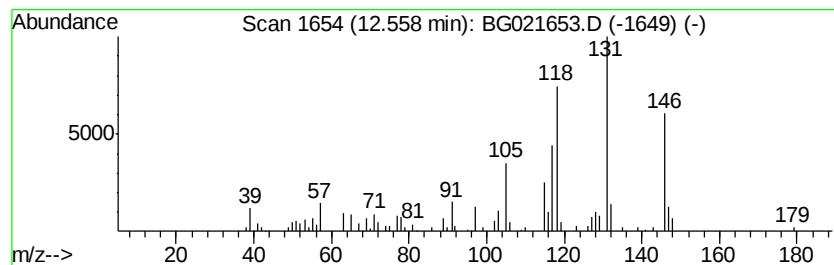
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.11 ng	79914	Naphthalene-d8	11.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87
3			1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	58
4			1H-Indene, 2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	55
5			Benzocycloheptene	146	C11H14	001075-16-7	46



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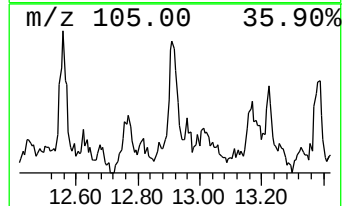
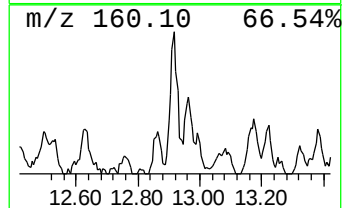
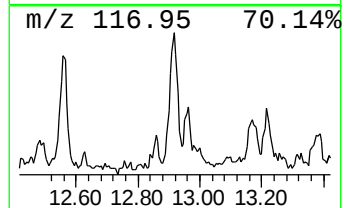
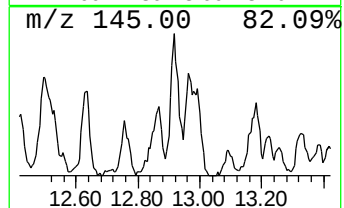
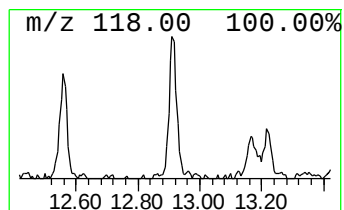
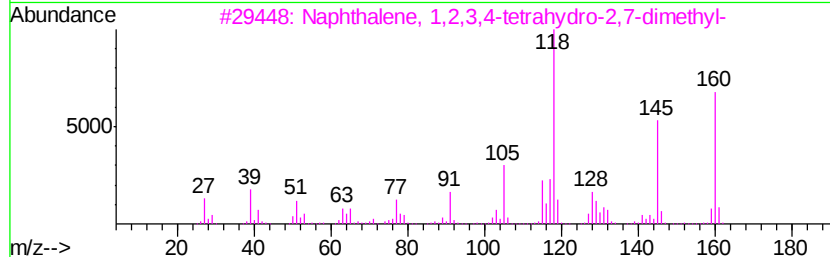
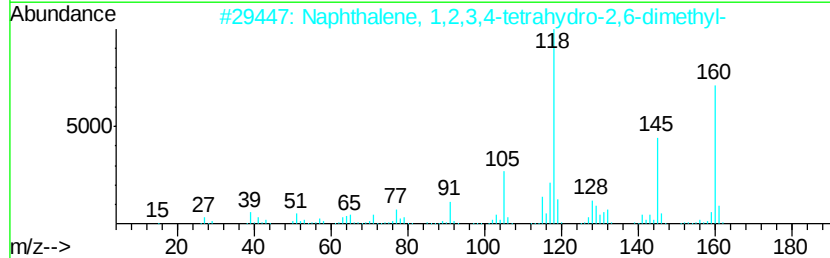
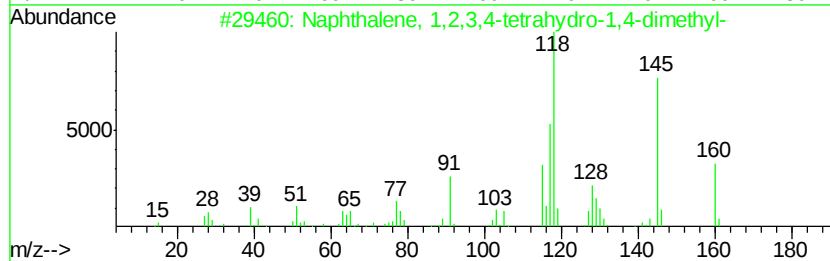
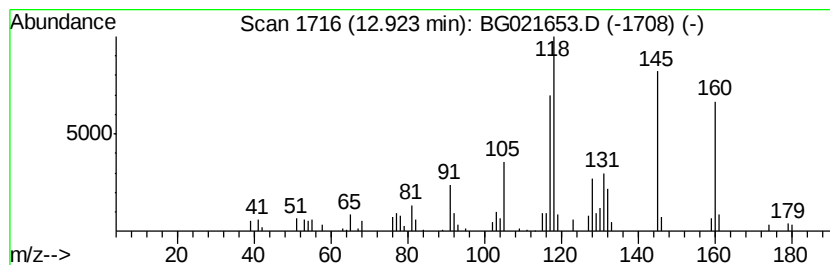
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	4.00 ng	77818	Naphthalene-d8	11.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	83
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	81
4		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	72
5		Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	68



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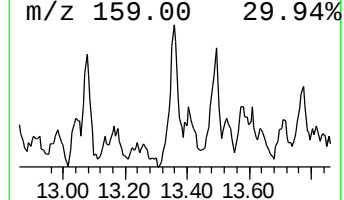
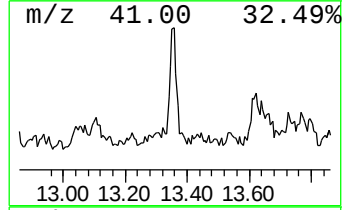
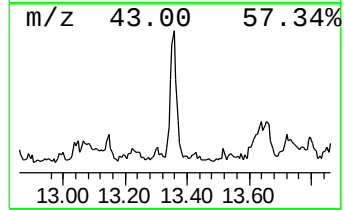
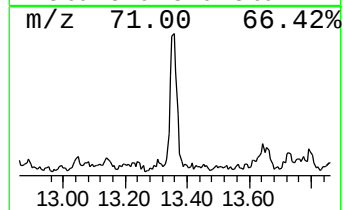
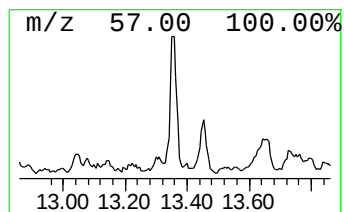
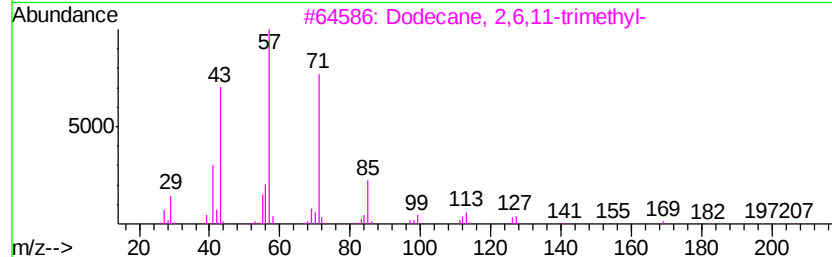
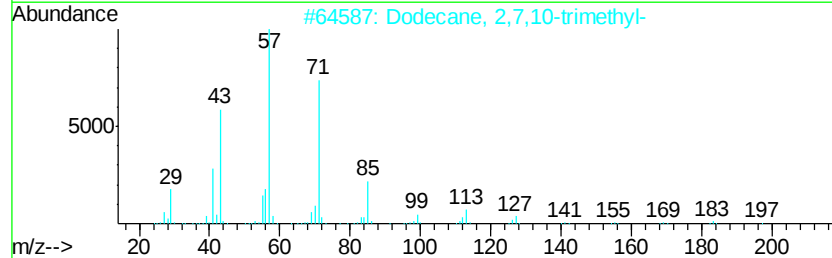
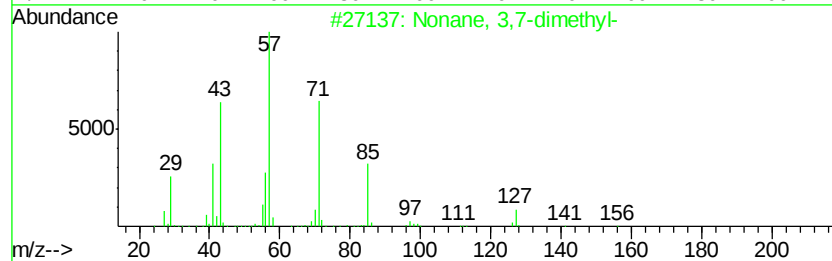
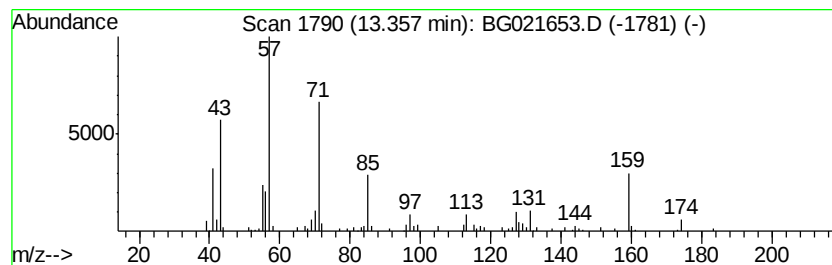
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ClientSampleId :
ACF-GW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Nonane, 3,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	5.27 ng	146042	Acenaphthene-d10	14.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	53
2	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	52
3	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	47
4	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	43
5	Butane, 2,2-dimethyl-	86 C6H14	000075-83-2	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ACF-GW-1

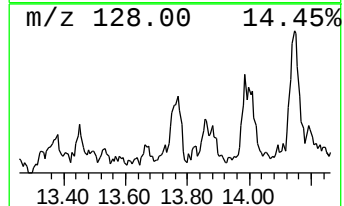
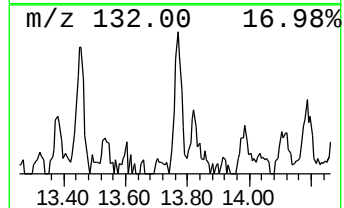
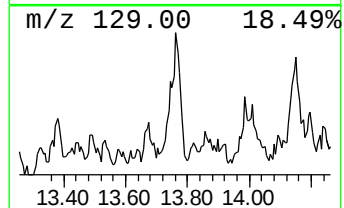
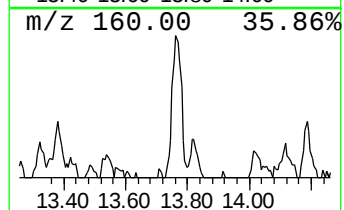
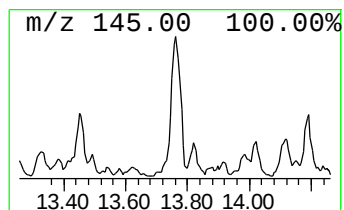
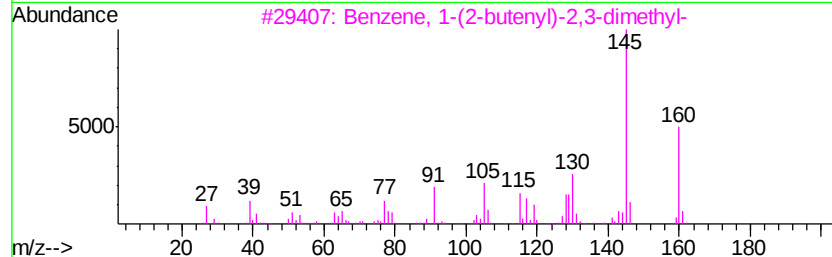
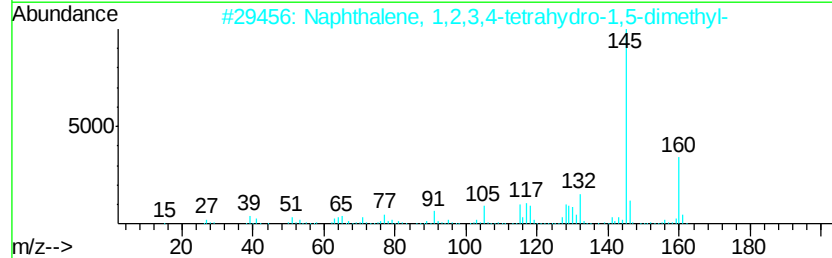
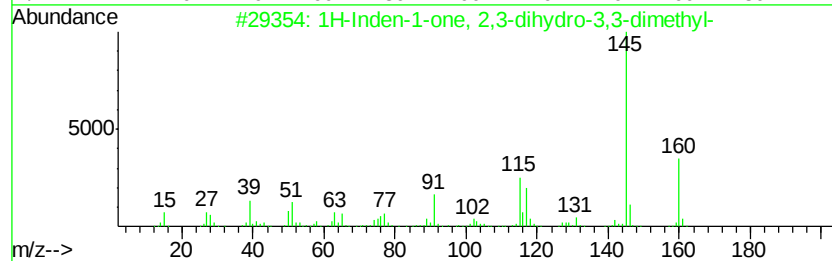
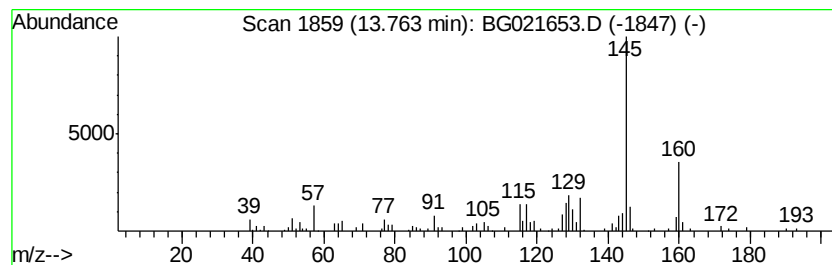
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.69 ng	129929	Acenaphthene-d10	14.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	93
3			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	83
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
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Sample : H2512-01
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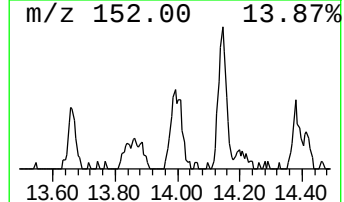
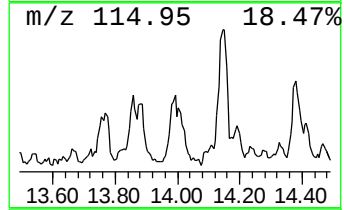
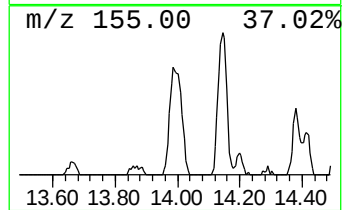
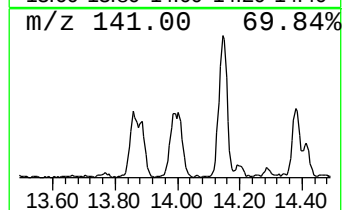
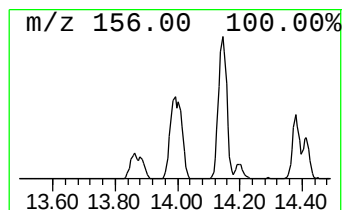
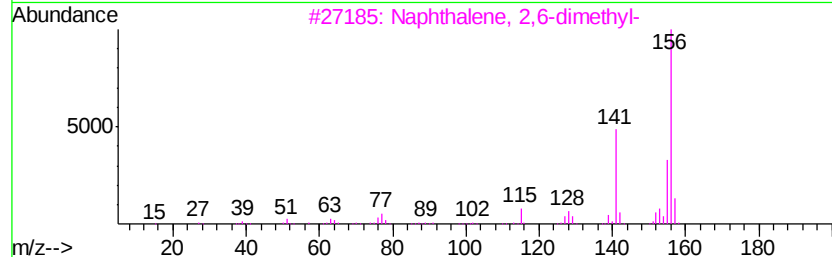
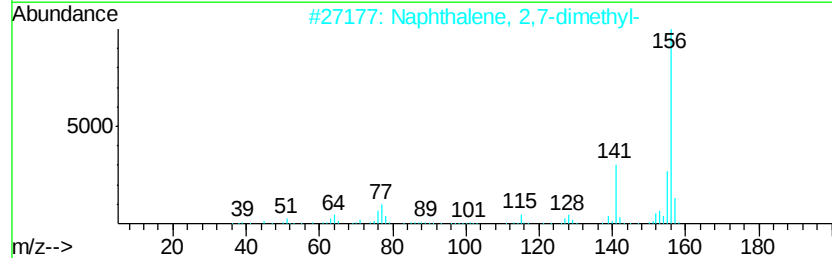
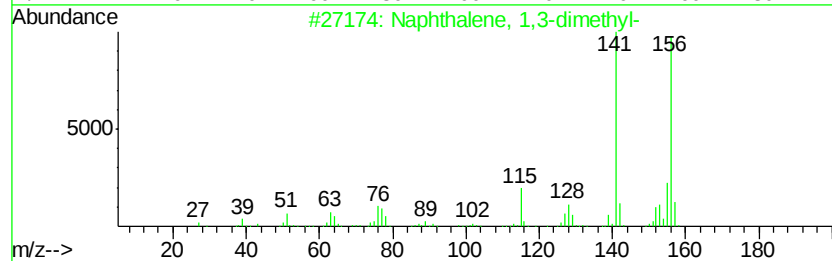
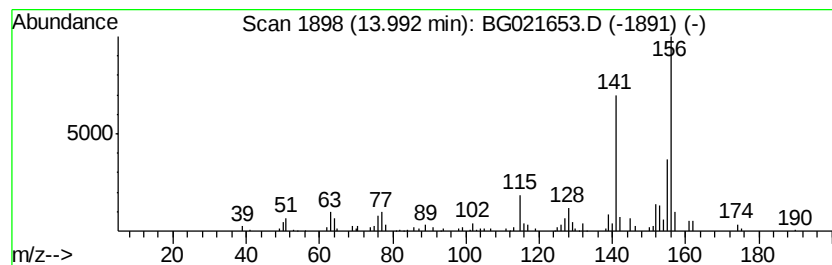
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	4.45 ng	123304	Acenaphthene-d10	14.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 94
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 94
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 93
5		Naphthalene, 1,8-dimethyl-	156 C12H12	000569-41-5 93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

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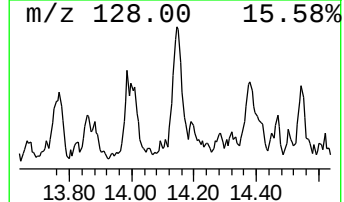
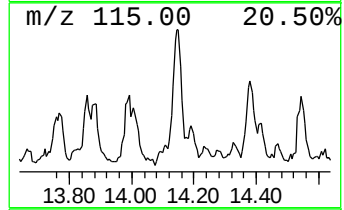
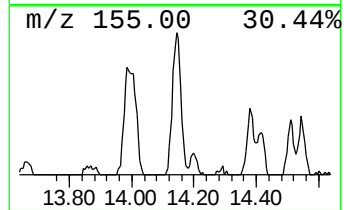
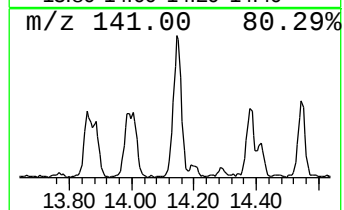
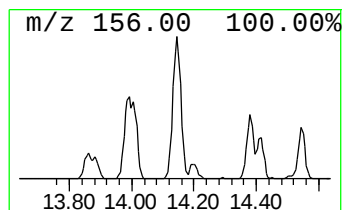
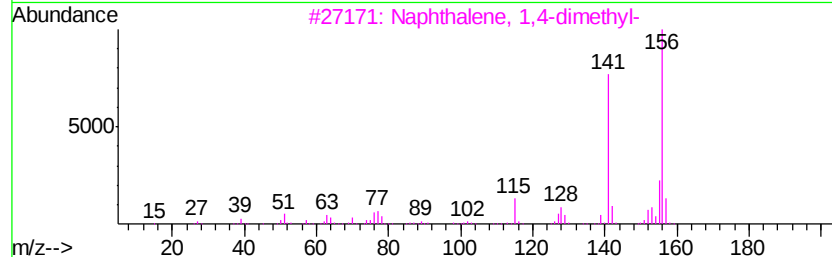
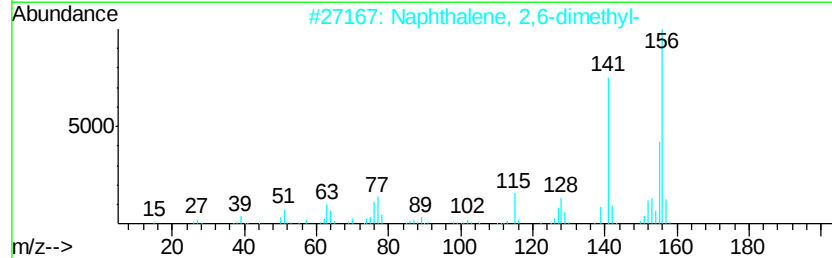
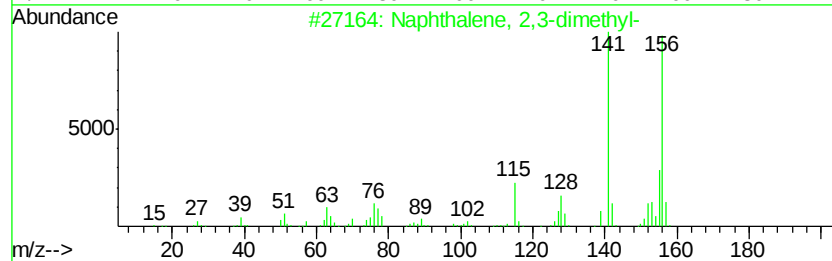
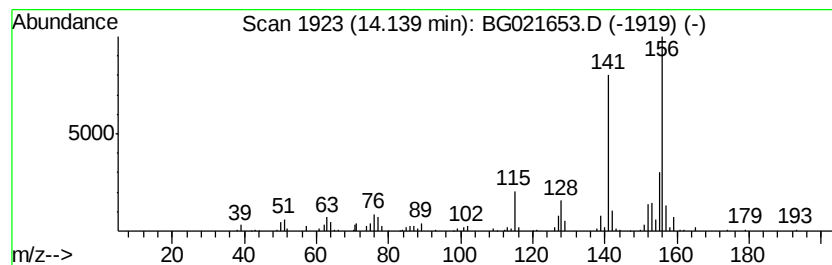
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	6.25 ng	173279	Acenaphthene-d10	14.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
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Misc :
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Instrument :
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ClientSampleId :
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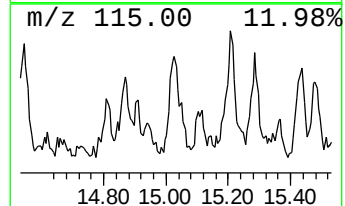
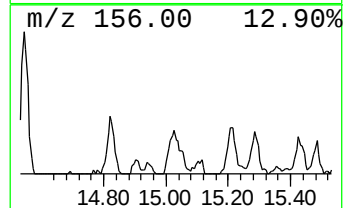
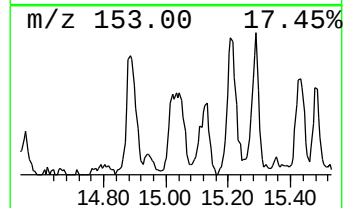
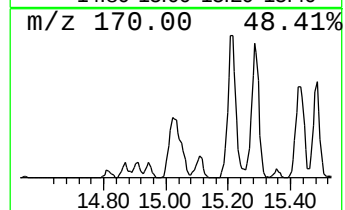
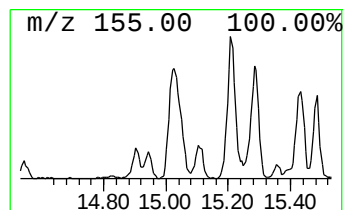
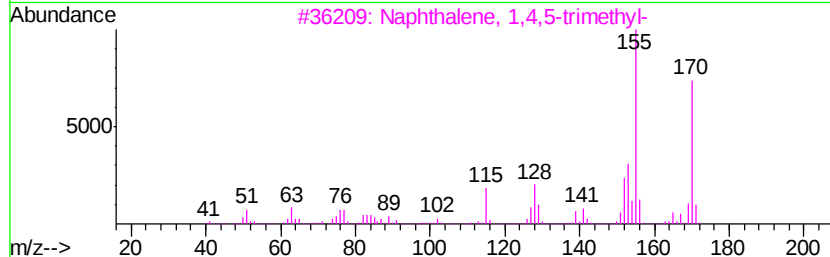
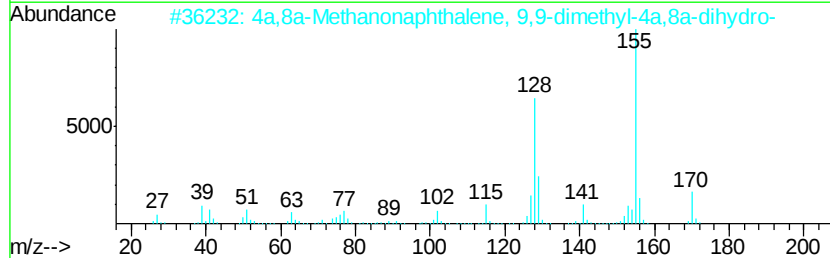
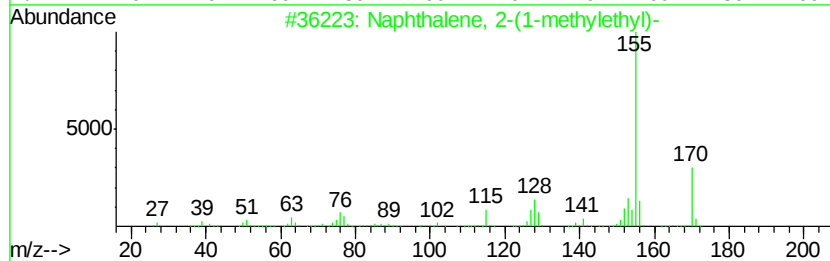
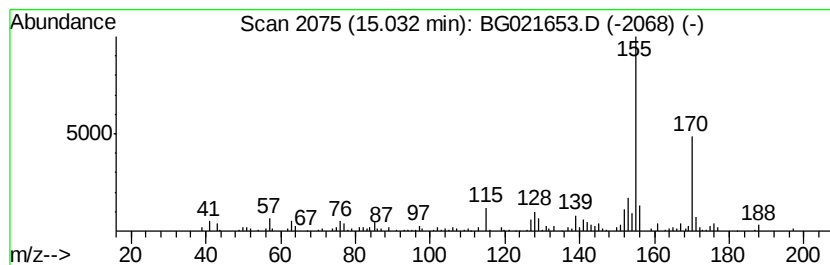
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	6.27 ng	173887	Acenaphthene-d10	14.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2			4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	90
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
4			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	72
5			Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ACF-GW-1

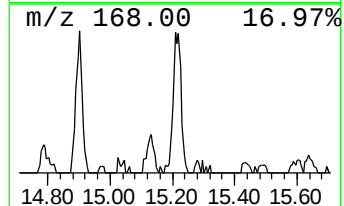
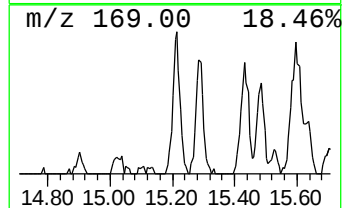
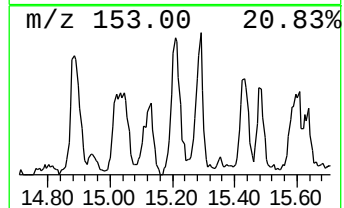
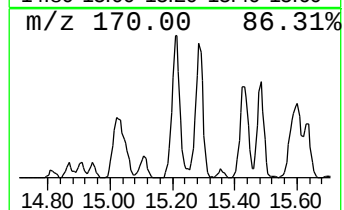
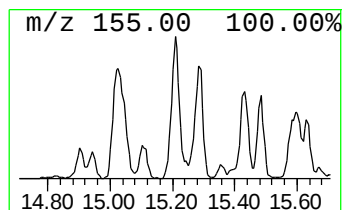
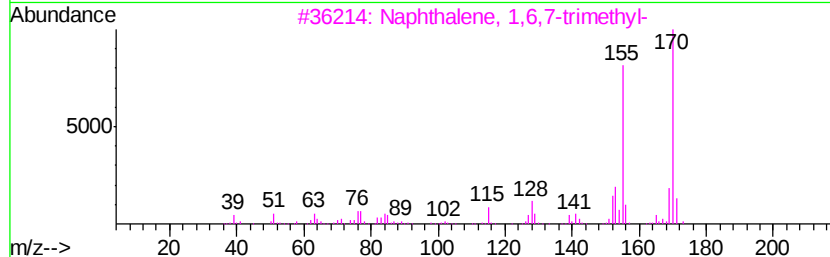
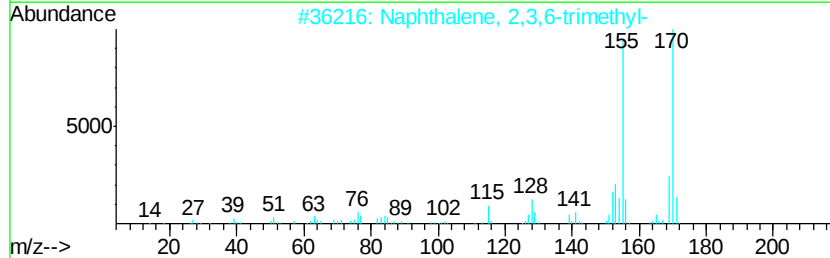
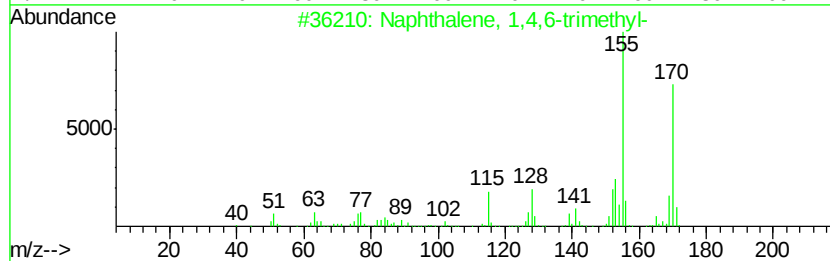
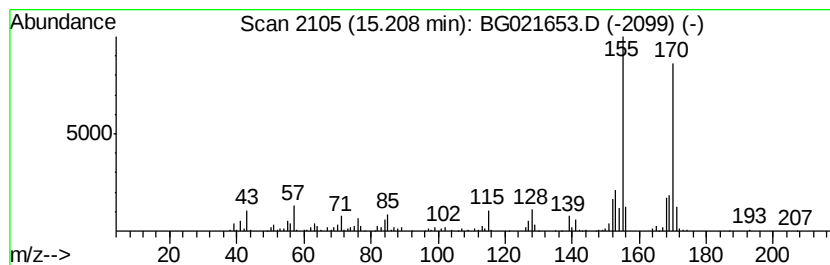
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	7.05 ng	195557	Acenaphthene-d10	14.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

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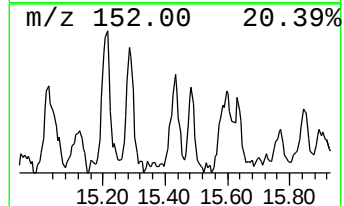
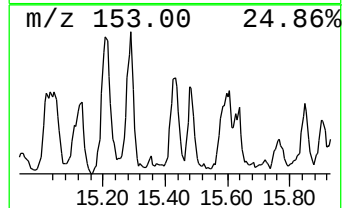
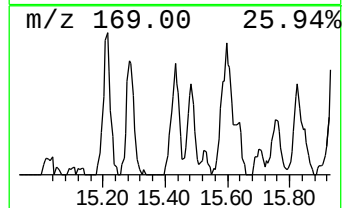
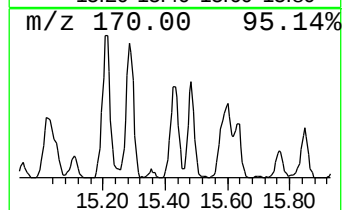
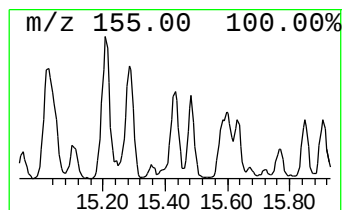
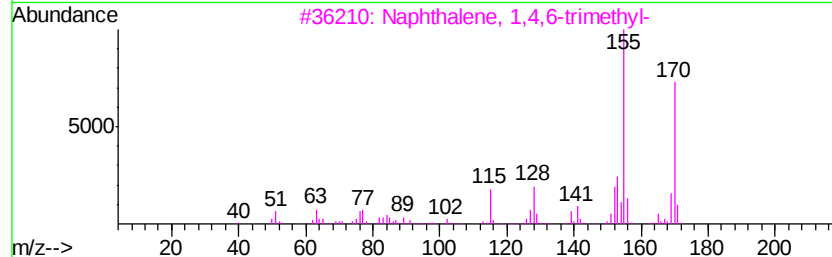
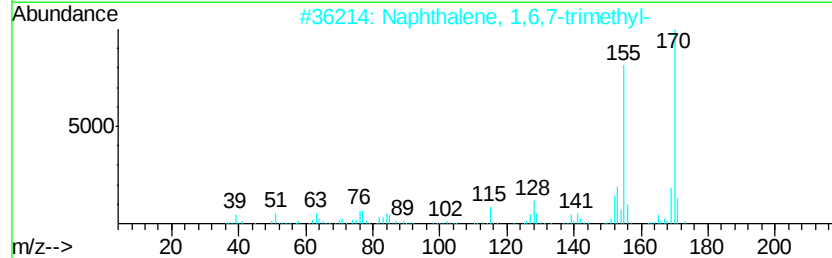
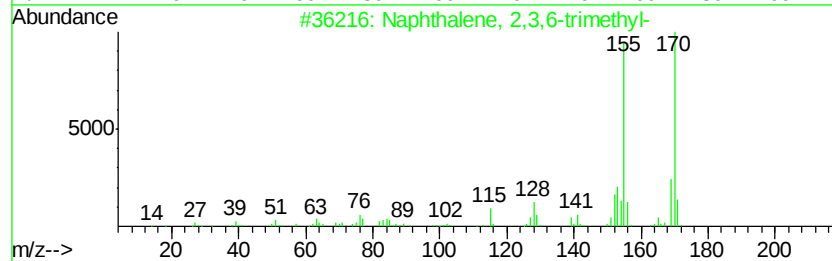
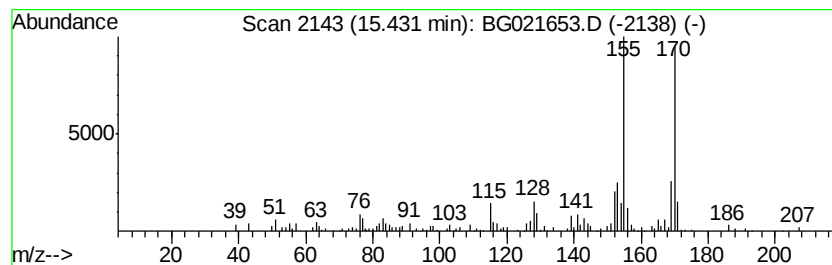
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	4.76 ng	131912	Acenaphthene-d10	14.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

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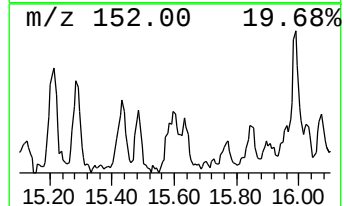
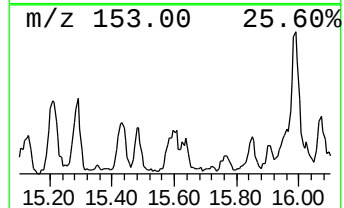
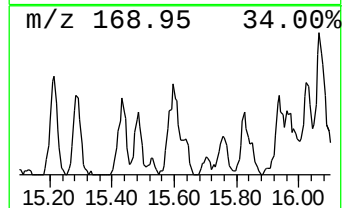
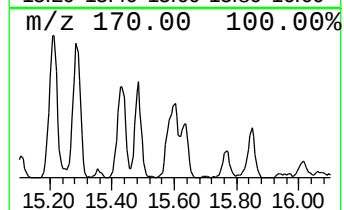
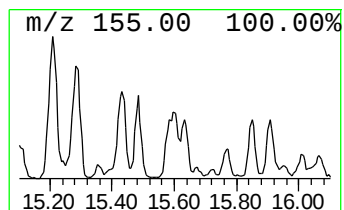
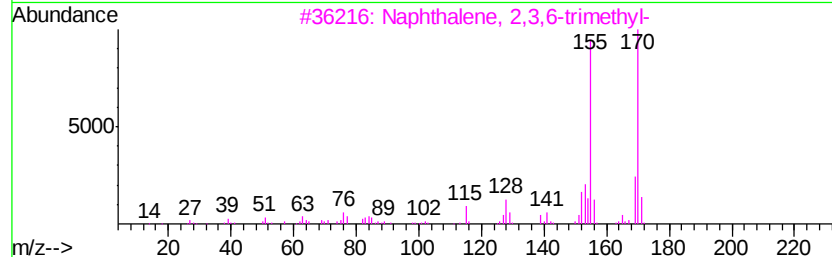
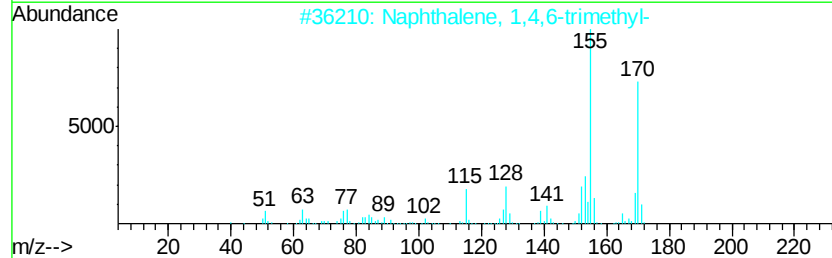
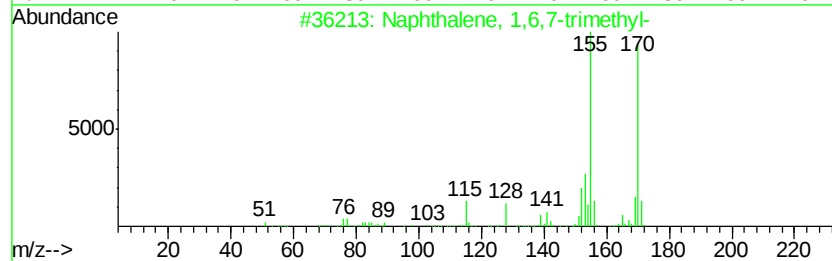
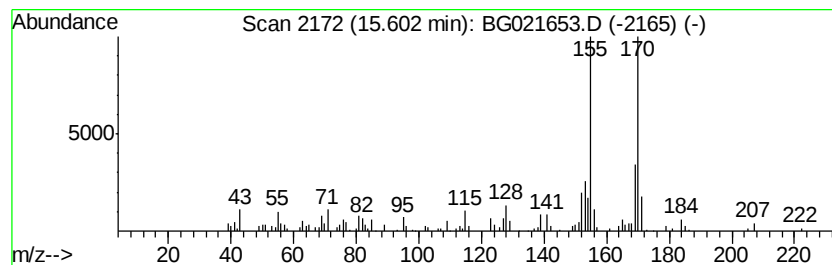
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.77 ng	132273	Acenaphthene-d10	14.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5			1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

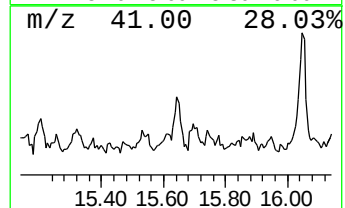
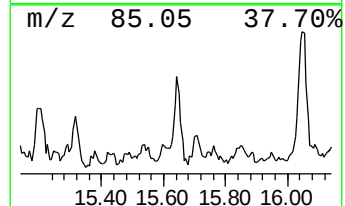
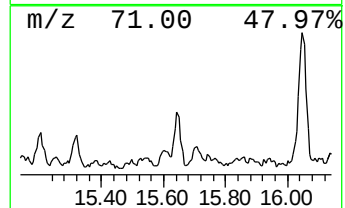
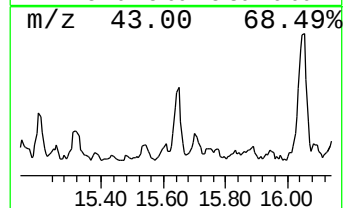
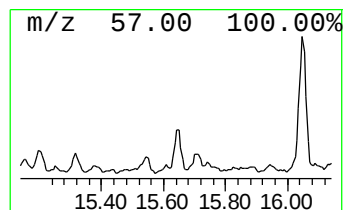
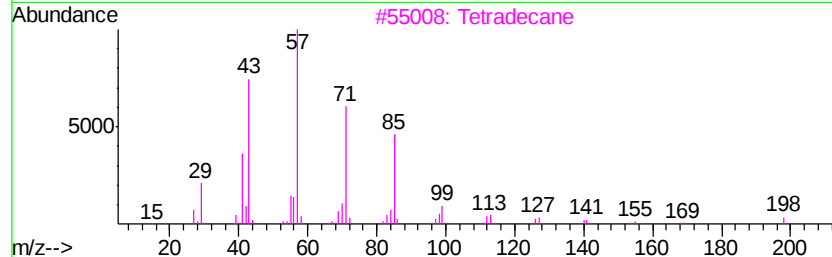
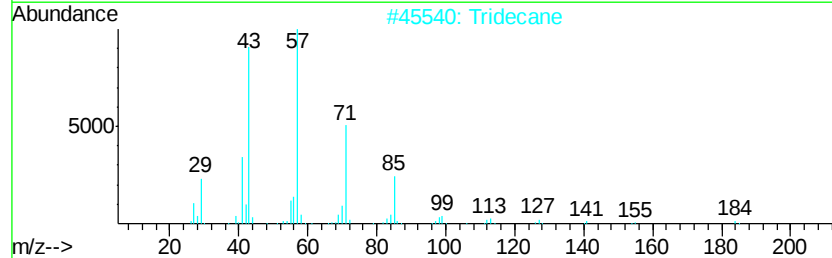
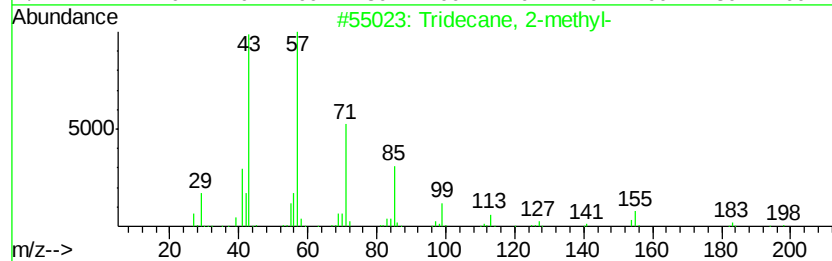
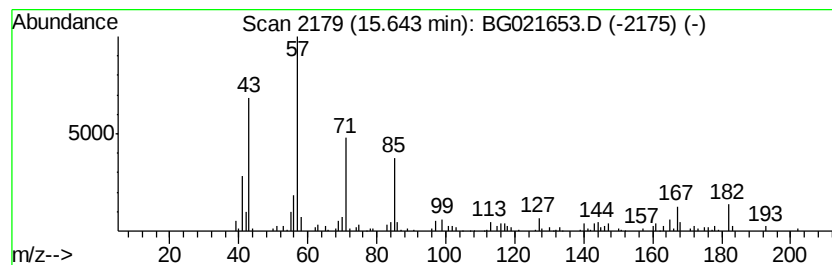
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.64	4.29 ng	119043	Acenaphthene-d10		14.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	50
2	Tridecane	184	C13H28	000629-50-5	50
3	Tetradecane	198	C14H30	000629-59-4	50
4	Decane	142	C10H22	000124-18-5	50
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
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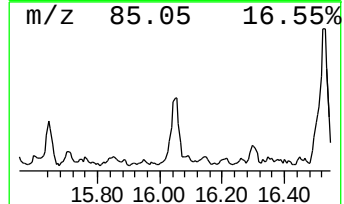
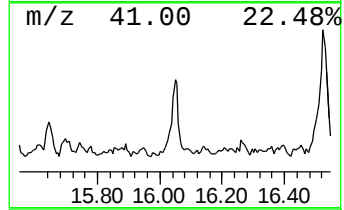
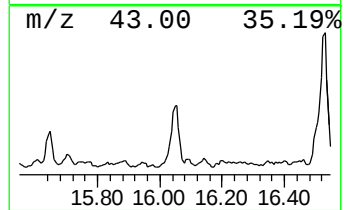
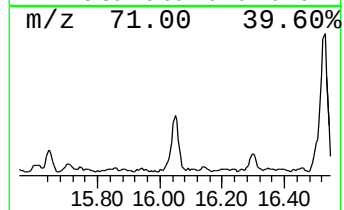
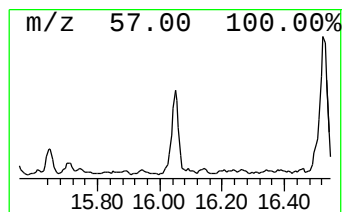
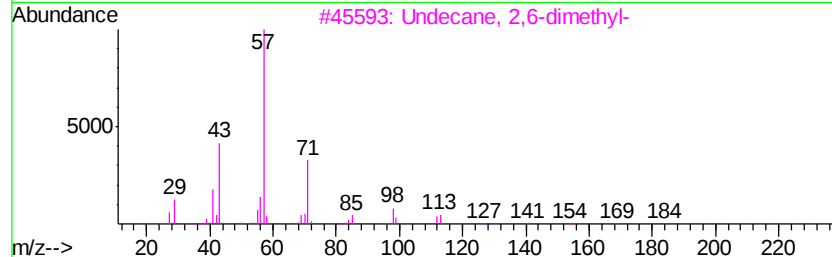
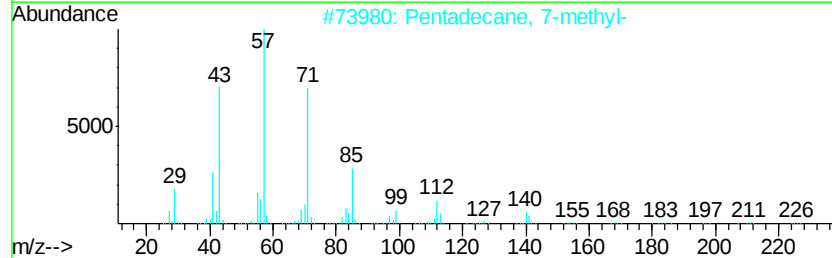
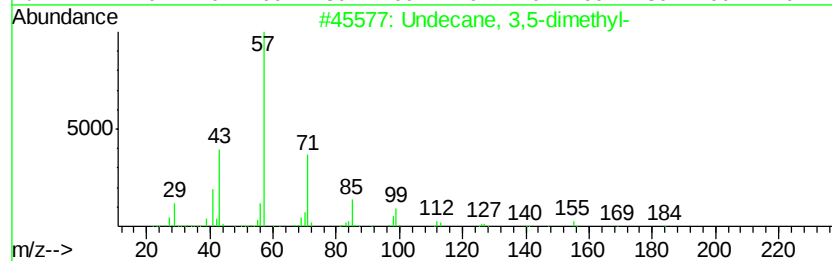
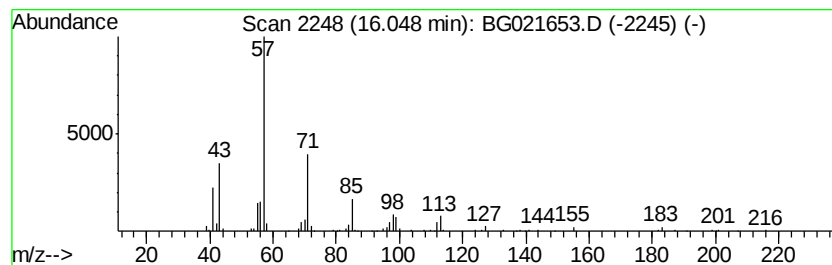
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Undecane, 3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	7.33 ng	203163	Acenaphthene-d10	14.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 3,5-dimethyl-	184 C13H28	017312-81-1	78
2	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	72
3	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	72
4	Octane, 2,5-dimethyl-	142 C10H22	015869-89-3	64
5	Tetratriacontane	479 C34H70	014167-59-0	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ACF-GW-1

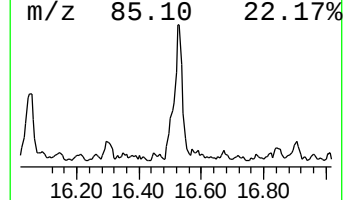
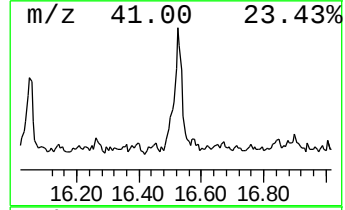
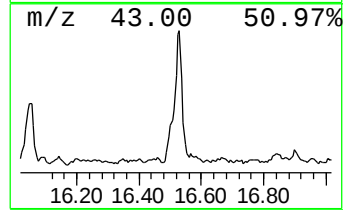
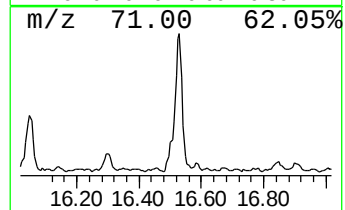
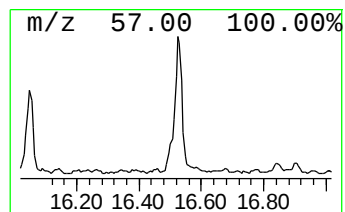
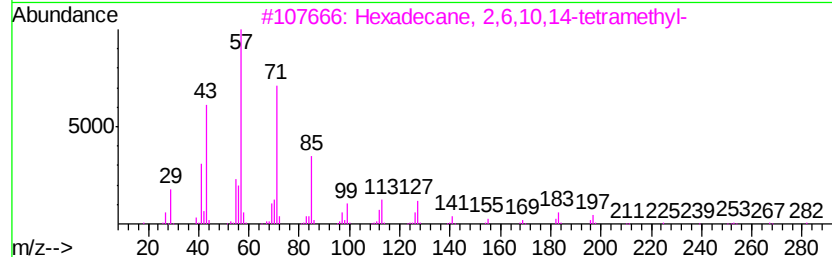
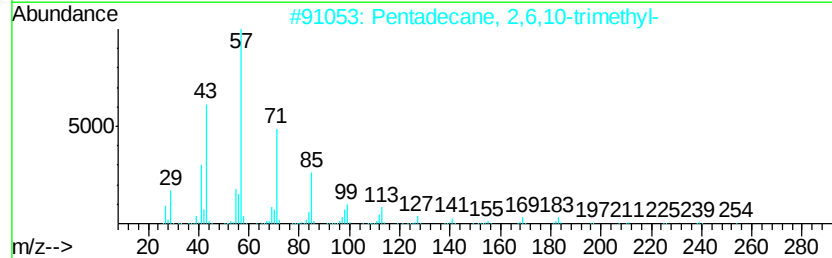
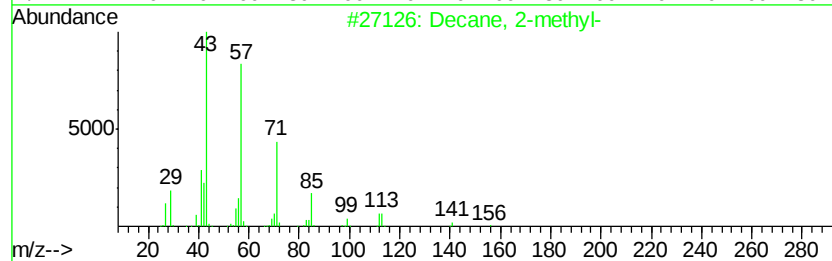
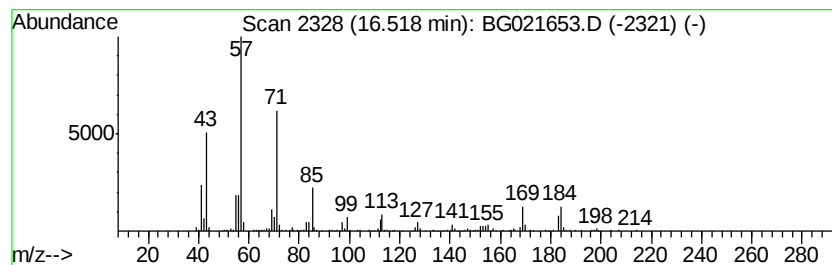
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Decane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	16.01 ng	444920	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	76
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
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Misc :
ALS Vial : 33 Sample Multiplier: 1

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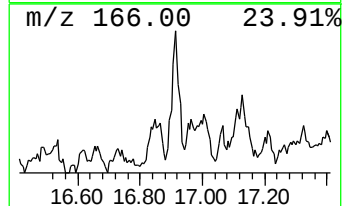
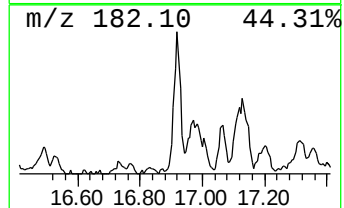
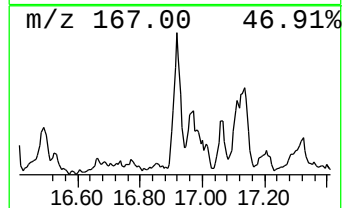
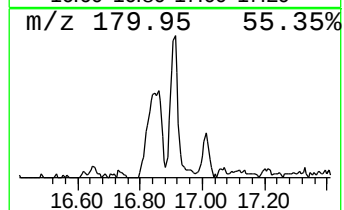
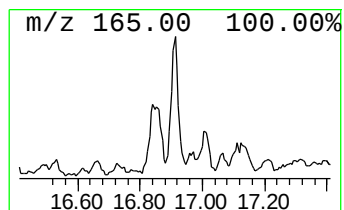
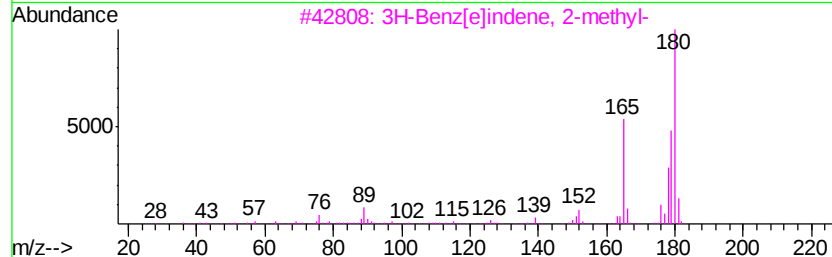
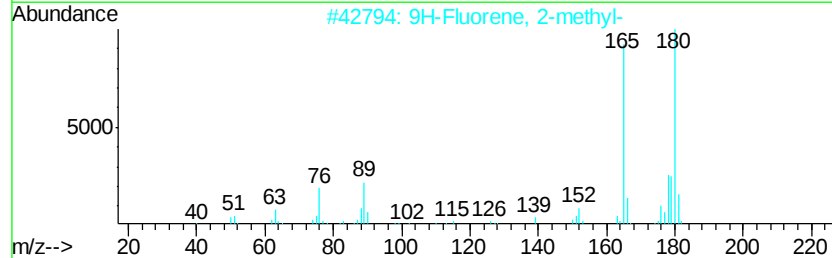
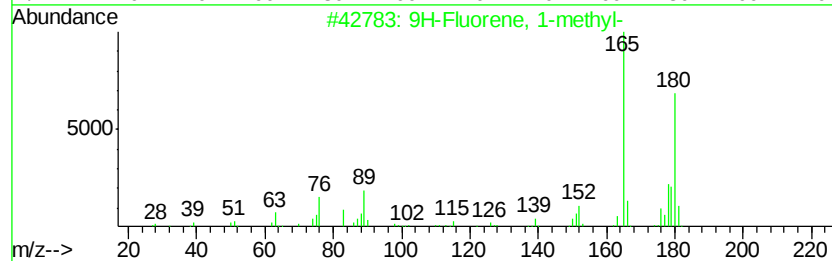
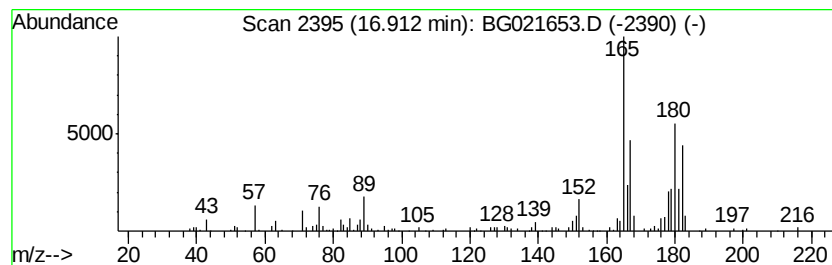
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	4.23 ng	117602	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
3		3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	55
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
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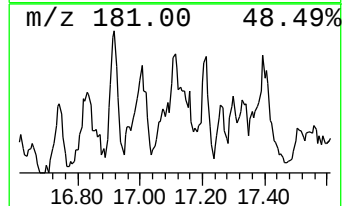
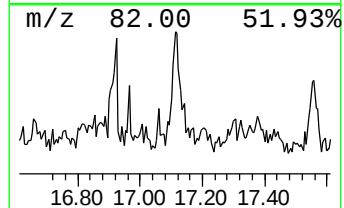
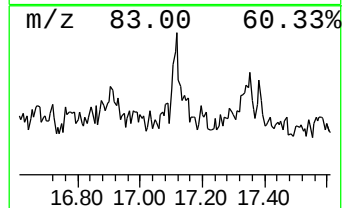
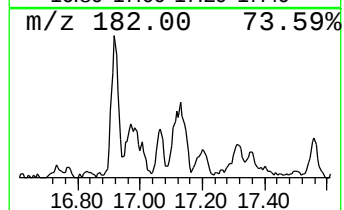
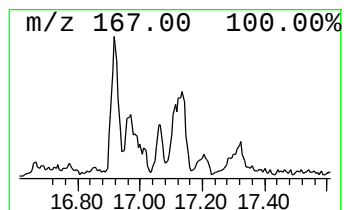
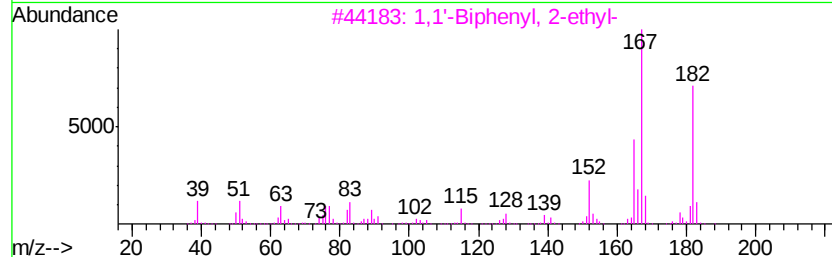
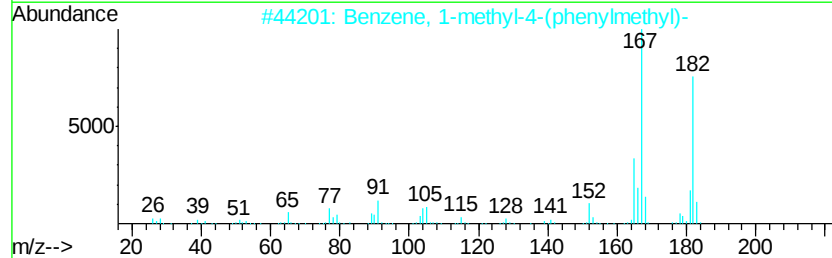
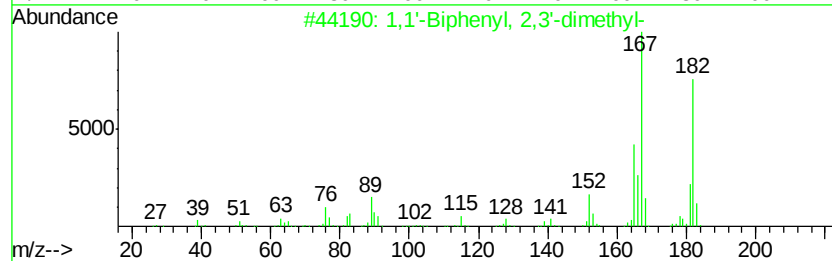
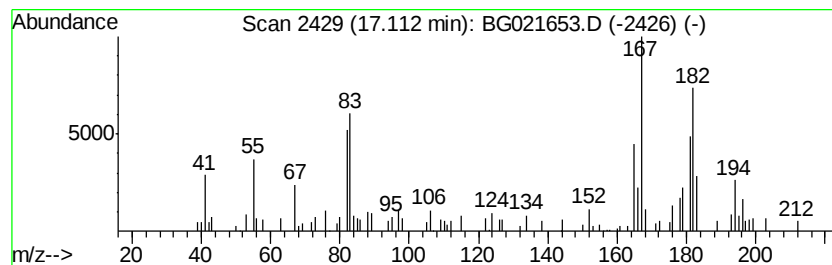
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	4.14 ng	115042	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	58
2			Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	52
3			1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	52
4			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	52
5			Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
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Acq On : 14 Apr 2016 15:18
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ALS Vial : 33 Sample Multiplier: 1

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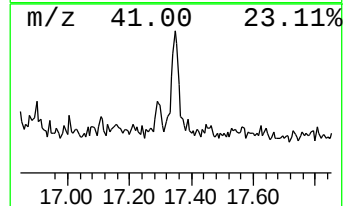
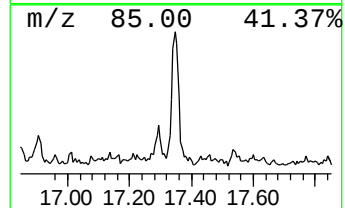
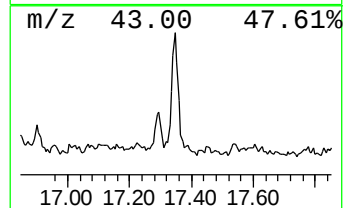
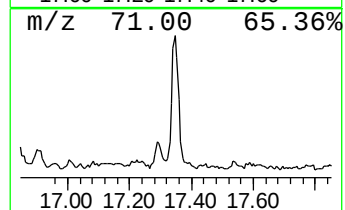
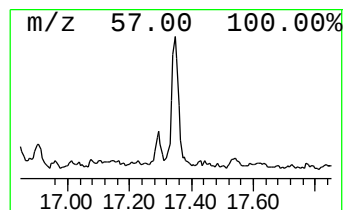
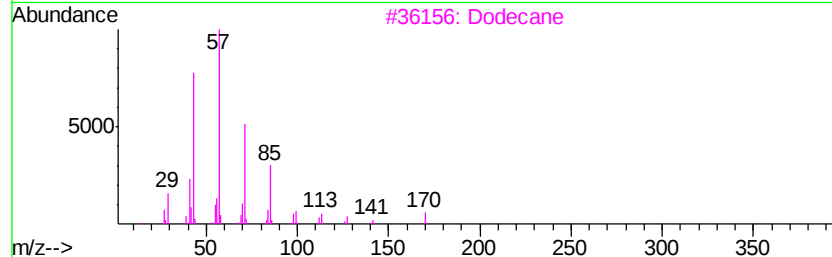
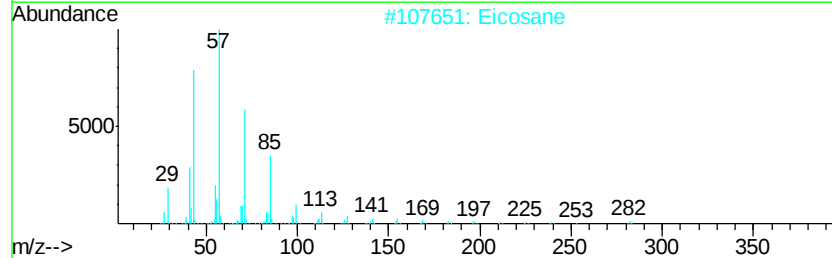
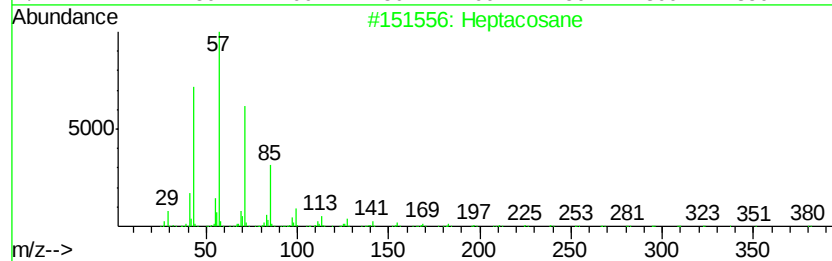
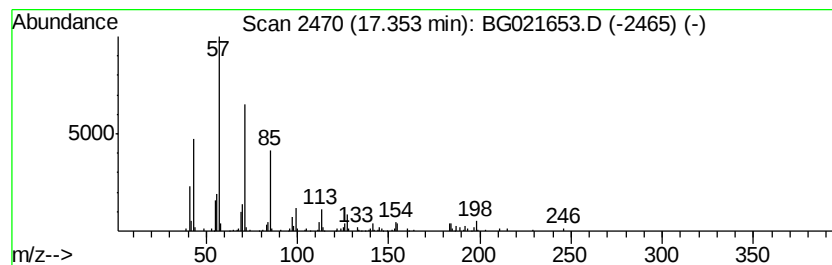
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	4.24 ng	117787	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	87
2		Eicosane	282	C20H42	000112-95-8	86
3		Dodecane	170	C12H26	000112-40-3	86
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
5		Tetracosane	338	C24H50	000646-31-1	80



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021653.D
Acq On : 14 Apr 2016 15:18
Operator : UM/SJ
Sample : H2512-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ACF-GW-1

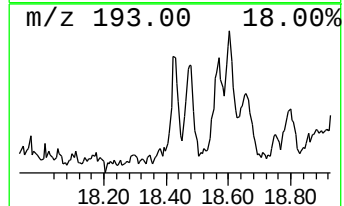
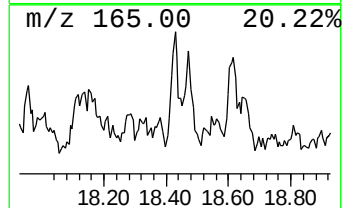
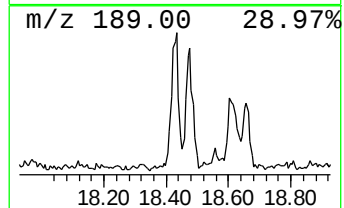
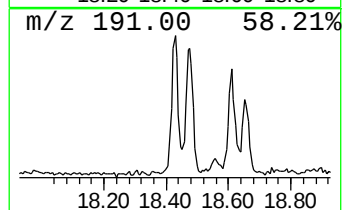
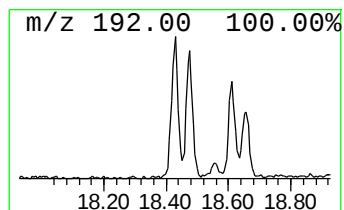
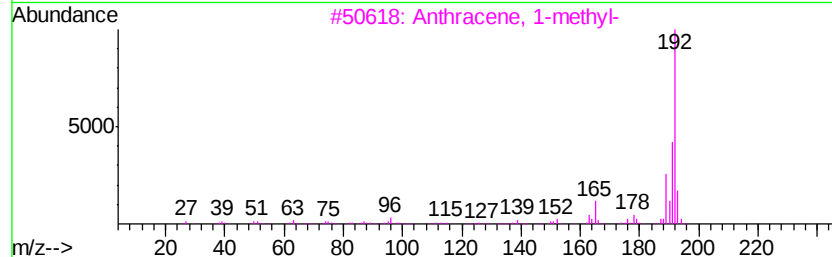
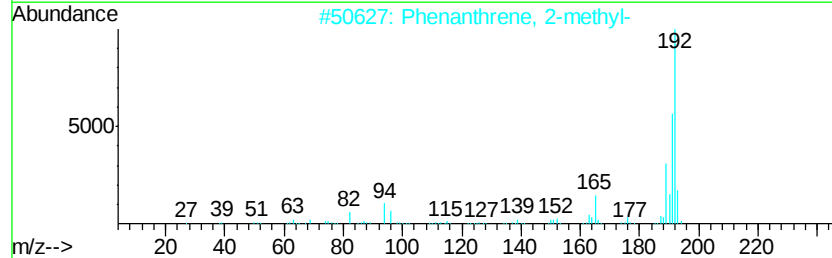
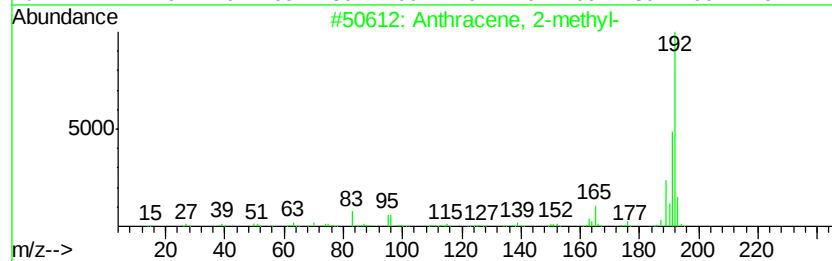
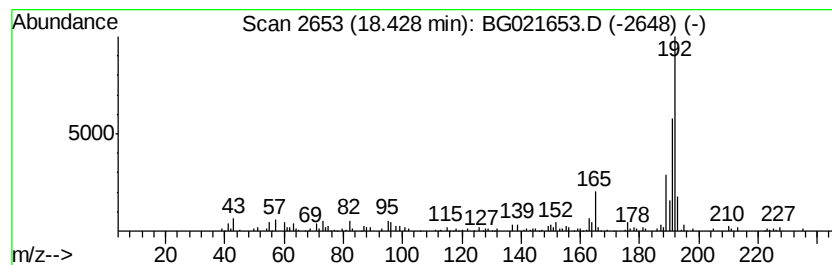
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.96 ng	110105	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021653.D
 Acq On : 14 Apr 2016 15:18
 Operator : UM/SJ
 Sample : H2512-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ACF-GW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.75	7.75	87.1	ng	985620	1	8.22	226237	20.0
Naphthalene, 1,2,...	12.56	4.1	ng	79914	2	11.04	388614	20.0
Naphthalene, 1,2,...	12.92	4.0	ng	77818	2	11.04	388614	20.0
Nonane, 3,7-dimet...	13.36	5.3	ng	146042	3	14.82	554615	20.0
1H-Inden-1-one, 2...	13.76	4.7	ng	129929	3	14.82	554615	20.0
Naphthalene, 1,3-...	13.99	4.5	ng	123304	3	14.82	554615	20.0
Naphthalene, 2,3-...	14.14	6.3	ng	173279	3	14.82	554615	20.0
Naphthalene, 2-(1...	15.03	6.3	ng	173887	3	14.82	554615	20.0
Naphthalene, 1,4,...	15.21	7.0	ng	195557	3	14.82	554615	20.0
Naphthalene, 2,3,...	15.43	4.8	ng	131912	3	14.82	554615	20.0
Naphthalene, 1,6,...	15.60	4.8	ng	132273	3	14.82	554615	20.0
Tridecane, 2-methyl-	15.64	4.3	ng	119043	3	14.82	554615	20.0
Undecane, 3,5-dim...	16.05	7.3	ng	203163	3	14.82	554615	20.0
Decane, 2-methyl-	16.52	16.0	ng	444920	4	17.56	555856	20.0
9H-Fluorene, 1-me...	16.91	4.2	ng	117602	4	17.56	555856	20.0
1,1'-Biphenyl, 2,...	17.11	4.1	ng	115042	4	17.56	555856	20.0
Heptacosane	17.35	4.2	ng	117787	4	17.56	555856	20.0
Anthracene, 2-met...	18.43	4.0	ng	110105	4	17.56	555856	20.0