

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
 Data File : BF103860.D
 Acq On : 22 Mar 2018 18:59
 Operator : JU/SJ
 Sample : J1991-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WES-0-6

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_F\METHODS\8270-BF031518.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	2.298	31	36	42	rVB	111173	145087	4.67%	0.457%
2	2.698	95	104	112	rVB2	38815	61524	1.98%	0.194%
3	5.216	527	532	540	rBV	122289	162966	5.25%	0.513%
4	5.598	592	597	600	rBV	3112967	3023880	97.36%	9.526%
5	6.598	761	767	769	rBV	2646810	2934826	94.50%	9.245%
6	6.745	787	792	795	rBV	3130805	3046219	98.08%	9.596%
7	6.975	827	831	834	rBV	986589	814741	26.23%	2.567%
8	7.128	853	857	861	rBV	2575368	2393803	77.08%	7.541%
9	7.533	922	926	929	rBV	1974558	1878422	60.48%	5.917%
10	8.222	1040	1043	1045	rBV	48016	38287	1.23%	0.121%
11	8.257	1045	1049	1051	rVV	1225200	1057560	34.05%	3.332%
12	8.275	1051	1052	1054	rVV	108516	67469	2.17%	0.213%
13	8.298	1054	1056	1059	rVB2	42552	34941	1.13%	0.110%
14	8.827	1142	1146	1151	rBV	65892	60521	1.95%	0.191%
15	9.069	1181	1187	1190	rBV2	41050	44504	1.43%	0.140%
16	9.327	1227	1231	1234	rBV	3561348	3105795	100.00%	9.784%
17	9.398	1240	1243	1246	rBV	128959	114672	3.69%	0.361%
18	9.598	1272	1277	1281	rBV5	25234	46062	1.48%	0.145%
19	9.669	1281	1289	1291	rBV3	47861	77367	2.49%	0.244%
20	9.716	1294	1297	1305	rVB	315697	293612	9.45%	0.925%
21	9.780	1305	1308	1310	rBV3	28979	35333	1.14%	0.111%
22	9.874	1320	1324	1326	rBV	46191	44776	1.44%	0.141%
23	9.927	1329	1333	1337	rVB	223754	175675	5.66%	0.553%
24	10.016	1344	1348	1351	rBV	1059371	976936	31.46%	3.078%
25	10.045	1351	1353	1356	rVB	88620	67541	2.17%	0.213%
26	10.157	1369	1372	1375	rBV4	30726	42145	1.36%	0.133%
27	10.216	1379	1382	1385	rVV2	93945	90595	2.92%	0.285%
28	10.251	1385	1388	1392	rVB2	67281	67658	2.18%	0.213%
29	10.427	1412	1418	1421	rBV	241994	215350	6.93%	0.678%
30	10.563	1438	1441	1448	rVB	74806	84612	2.72%	0.267%
31	10.645	1450	1455	1458	rBV2	86844	102222	3.29%	0.322%
32	10.804	1478	1482	1486	rBV	1703124	1521626	48.99%	4.793%
33	10.904	1495	1499	1508	rVB	186084	271656	8.75%	0.856%
34	11.351	1572	1575	1578	rBV	131565	109179	3.52%	0.344%

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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_F\METHODS\8270-BF031518.M
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35	11.404	1582	1584	1588	rVB	57569	47372	1.53%	0.149%
36	11.504	1598	1601	1604	rBV	916149	868153	27.95%	2.735%
37	11.527	1604	1605	1609	rVV	338244	268092	8.63%	0.845%
38	11.580	1609	1614	1616	rVV	97700	93034	3.00%	0.293%
39	11.616	1617	1620	1625	rVB	51706	61517	1.98%	0.194%
40	11.733	1637	1640	1645	rVV2	45756	43682	1.41%	0.138%
41	11.780	1645	1648	1650	rVB	82662	62382	2.01%	0.197%
42	11.839	1655	1658	1663	rVB	31576	34777	1.12%	0.110%
43	12.010	1684	1687	1689	rBV	98004	87717	2.82%	0.276%
44	12.039	1689	1692	1695	rVB	99578	91832	2.96%	0.289%
45	12.086	1697	1700	1703	rBV	37709	42223	1.36%	0.133%
46	12.121	1703	1706	1708	rVV2	129538	141915	4.57%	0.447%
47	12.145	1708	1710	1715	rVV	59757	52959	1.71%	0.167%
48	12.186	1715	1717	1720	rVB	65233	51474	1.66%	0.162%
49	12.304	1734	1737	1739	rBV	66555	54789	1.76%	0.173%
50	12.557	1778	1780	1782	rBV	71088	68619	2.21%	0.216%
51	12.645	1793	1795	1799	rBV3	31979	44228	1.42%	0.139%
52	12.721	1805	1808	1812	rBV	494495	453322	14.60%	1.428%
53	12.821	1822	1825	1827	rBV	49343	44489	1.43%	0.140%
54	12.957	1842	1848	1853	rBV	554509	562505	18.11%	1.772%
55	13.004	1853	1856	1860	rVB2	32654	35103	1.13%	0.111%
56	13.092	1867	1871	1875	rBV	2444646	2277617	73.33%	7.175%
57	13.168	1880	1884	1889	rBV3	52466	96938	3.12%	0.305%
58	13.262	1896	1900	1901	rBV3	43861	57409	1.85%	0.181%
59	13.280	1901	1903	1906	rVB	115767	100725	3.24%	0.317%
60	13.351	1912	1915	1917	rVB	80865	61557	1.98%	0.194%
61	13.386	1918	1921	1924	rBV2	66534	66419	2.14%	0.209%
62	13.480	1935	1937	1940	rBV	51421	45546	1.47%	0.143%
63	13.509	1940	1942	1945	rVV	47087	41396	1.33%	0.130%
64	13.904	2007	2009	2012	rVB	45624	44357	1.43%	0.140%
65	13.933	2012	2014	2016	rBV	46775	34028	1.10%	0.107%
66	13.974	2016	2021	2025	rBV3	221279	250221	8.06%	0.788%
67	14.157	2047	2052	2055	rBV2	942320	1098116	35.36%	3.459%
68	14.186	2055	2057	2062	rVB	219508	192859	6.21%	0.608%
69	15.239	2233	2236	2239	rBV	114820	152782	4.92%	0.481%
70	15.633	2300	2303	2309	rVB	123687	152957	4.92%	0.482%
71	15.698	2310	2314	2319	rBV	494052	652982	21.02%	2.057%

LSC Area Percent Report

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Instrument :
BNA_F
ClientSampleId :
WES-0-6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

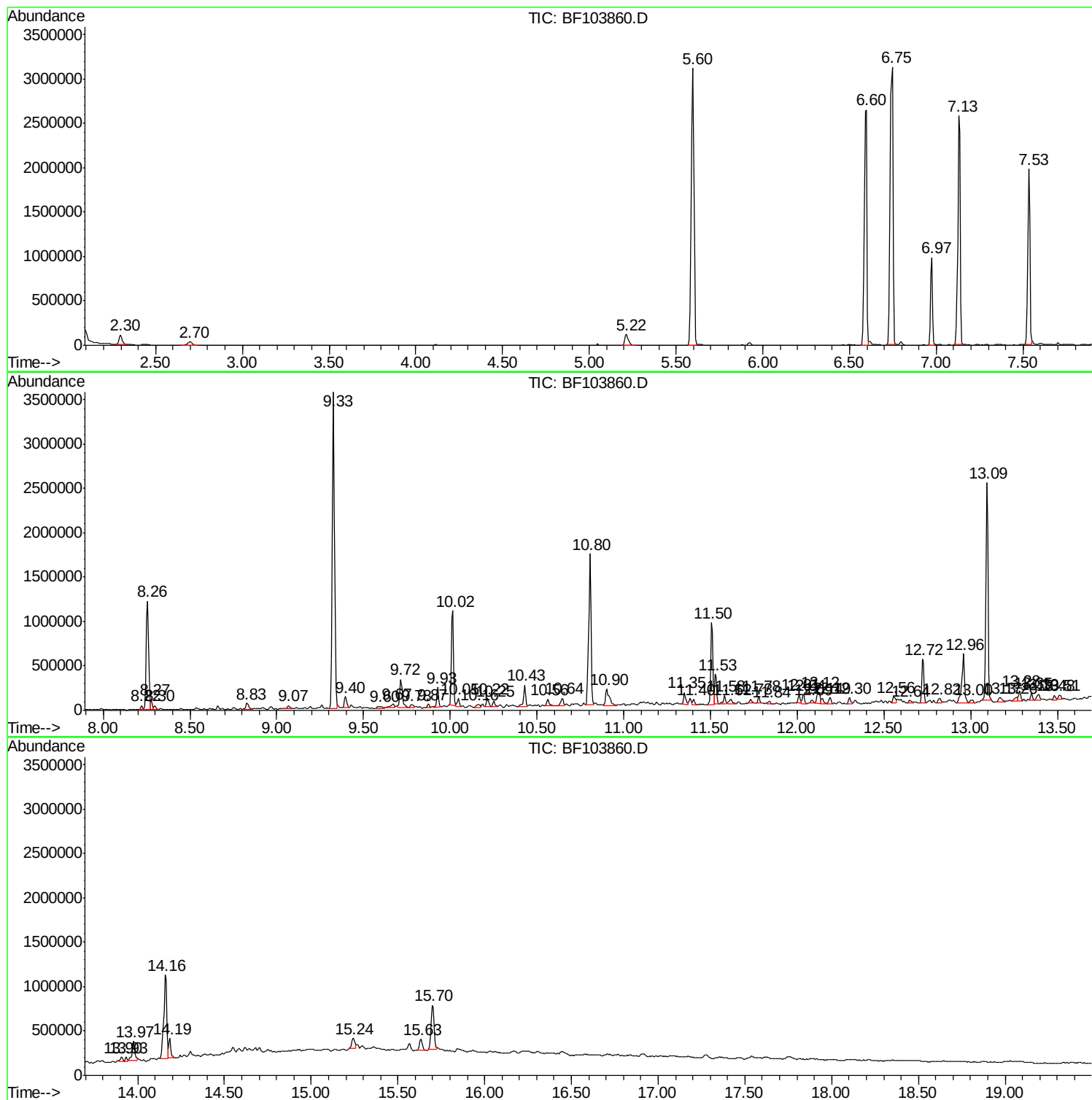
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Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103860.D
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Sample : J1991-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
WES-0-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103860.D
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Operator : JU/SJ
Sample : J1991-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WES-0-6

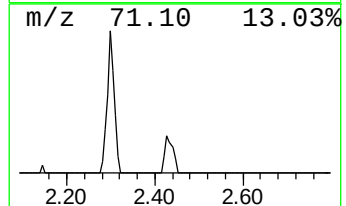
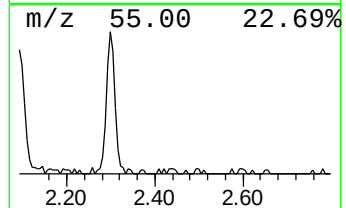
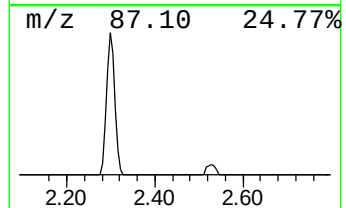
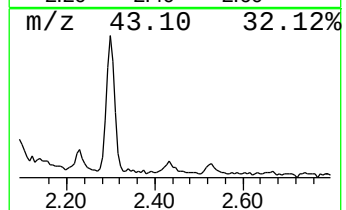
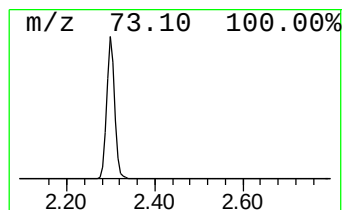
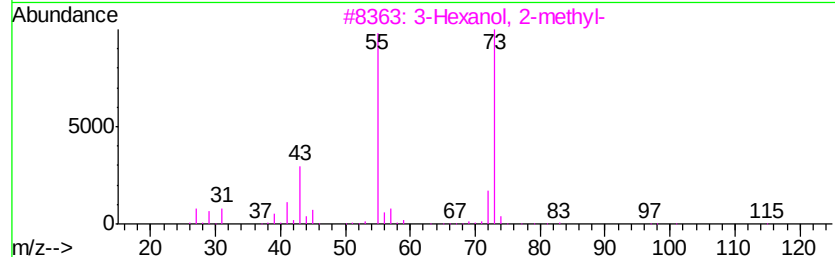
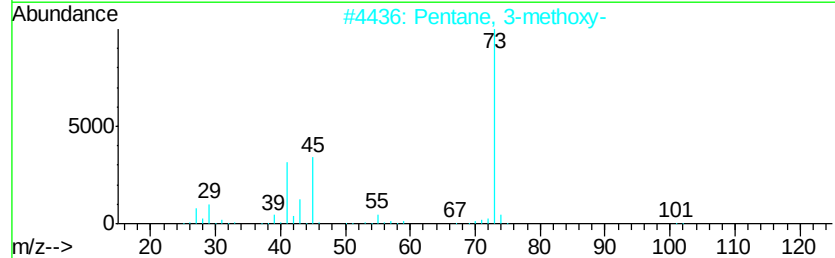
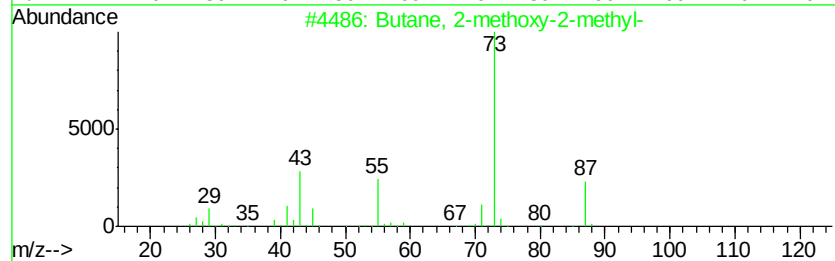
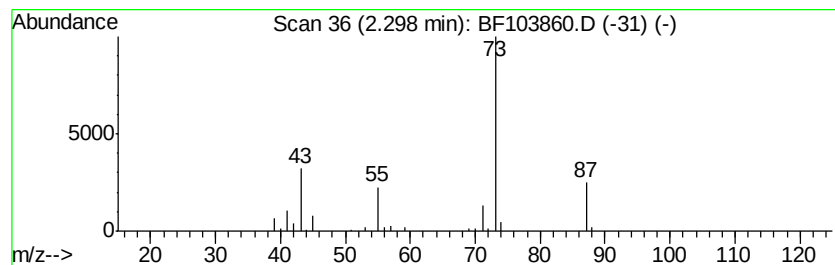
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	3.56 ng	145087	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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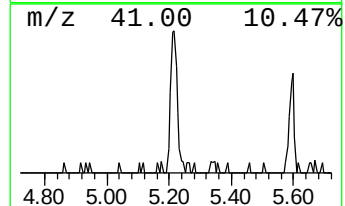
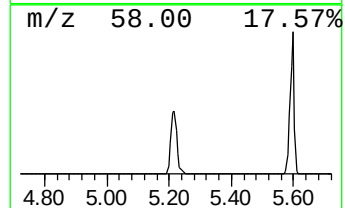
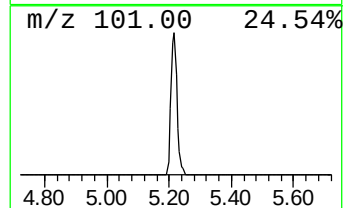
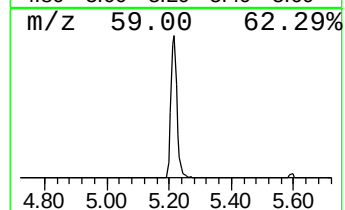
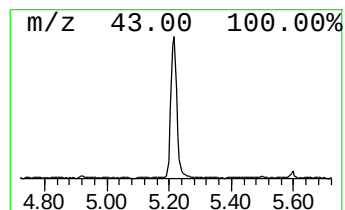
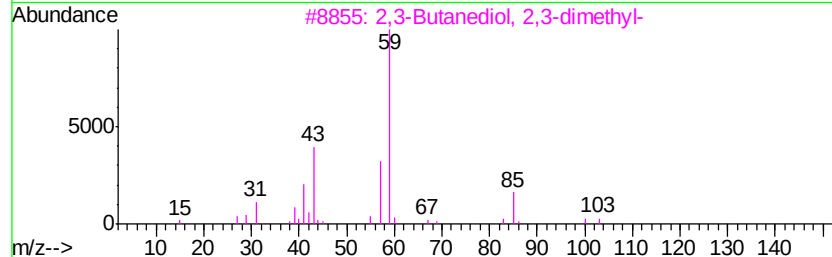
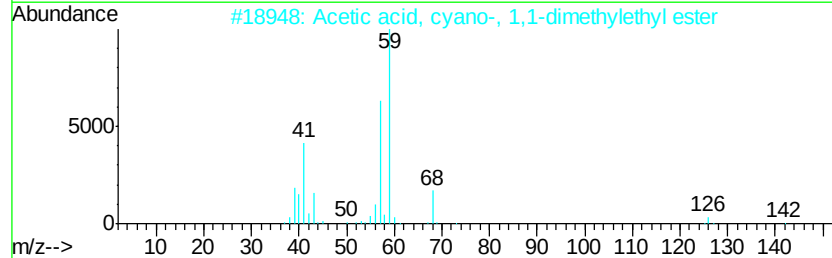
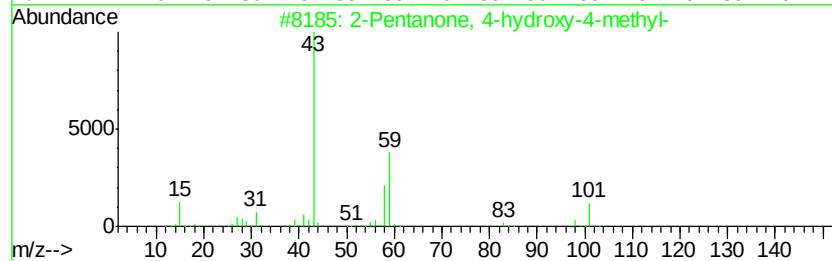
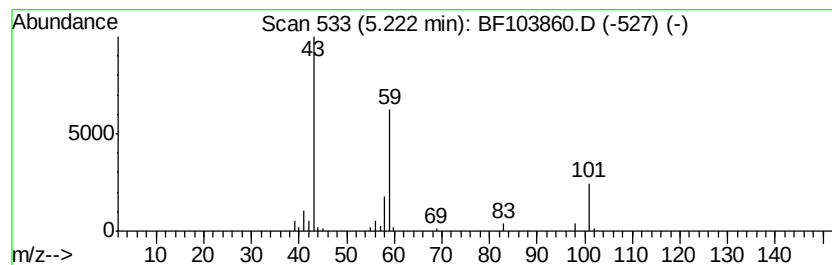
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	4.00 ng	162966	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23		
3	2,3-Butanediol, 2,3-dimethyl-	118	C6H14O2	000076-09-5	17		
4	Hexane, 1-(1-methoxyethoxy)-	160	C9H20O2	054340-90-8	17		
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9		



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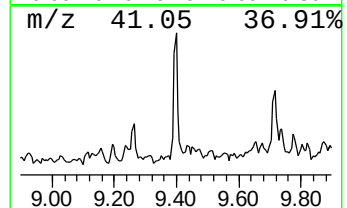
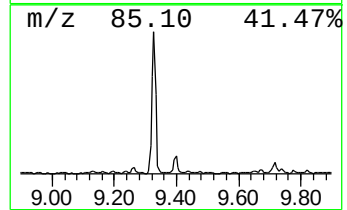
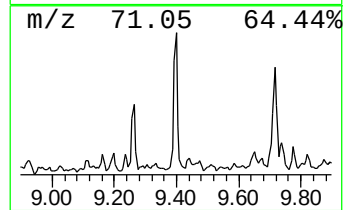
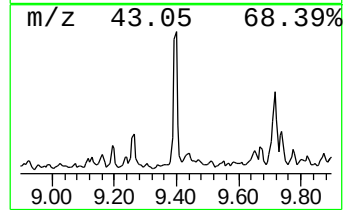
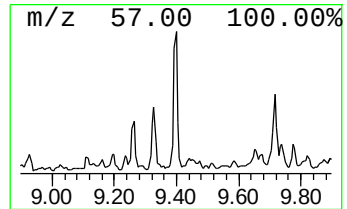
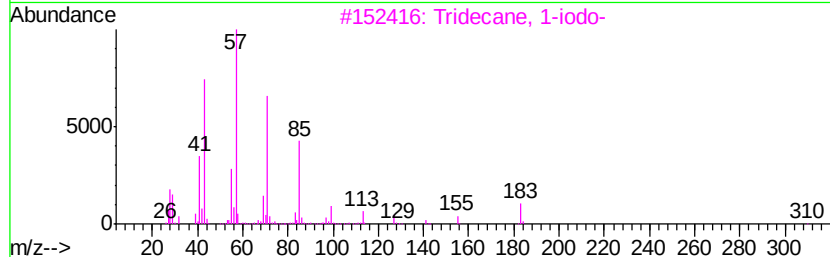
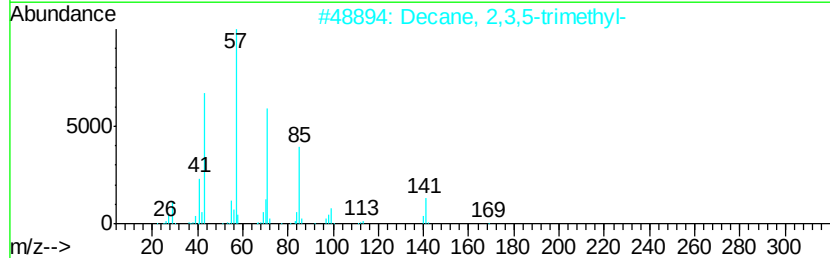
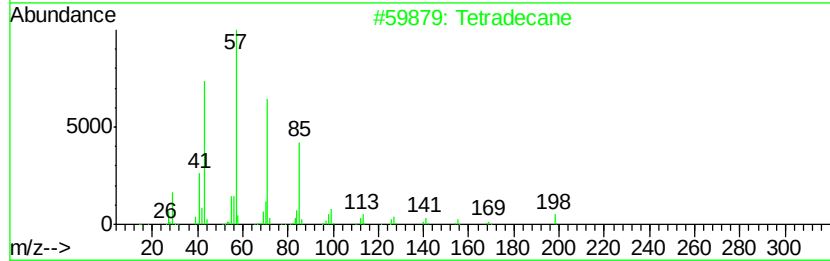
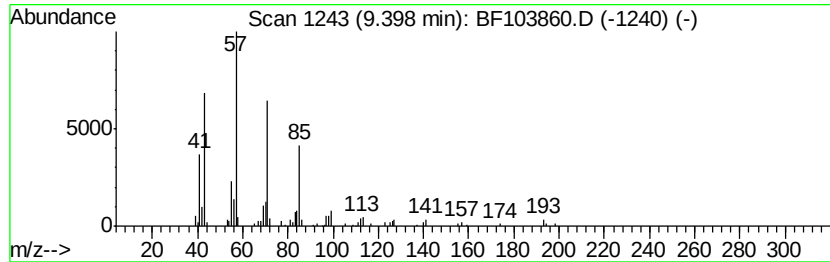
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.35 ng	114672	Acenaphthene-d10	10.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	95
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
4		Tridecane	184	C13H28	000629-50-5	80
5		Nonadecane	268	C19H40	000629-92-5	80



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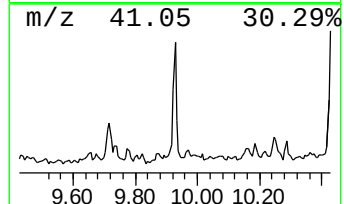
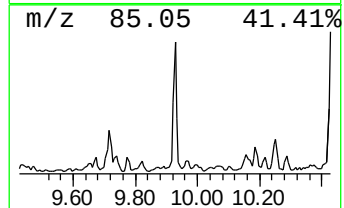
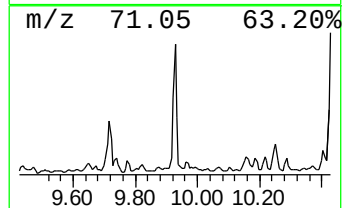
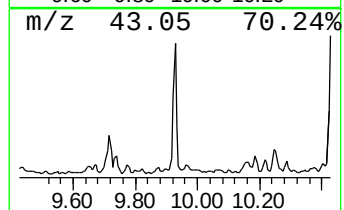
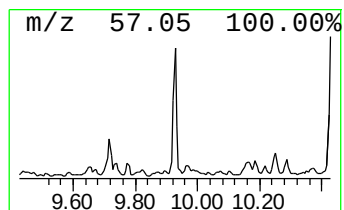
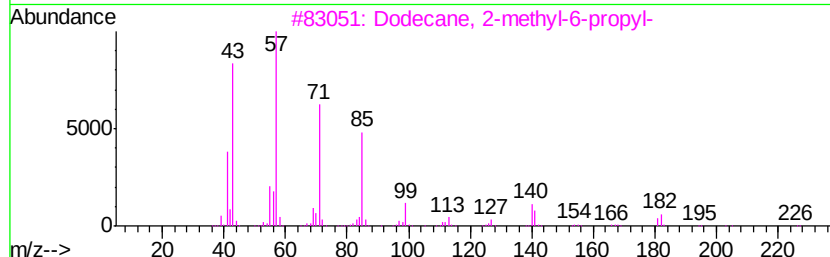
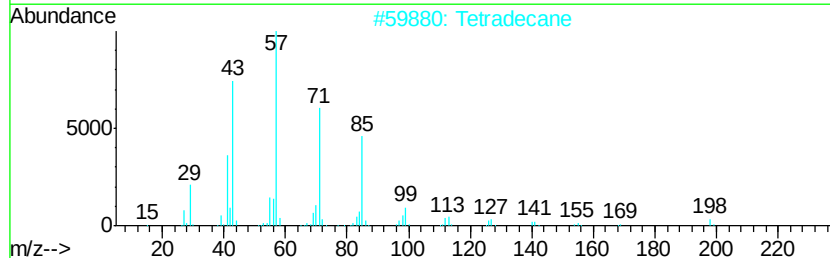
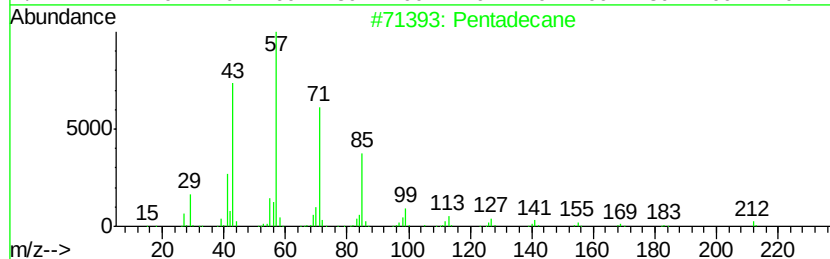
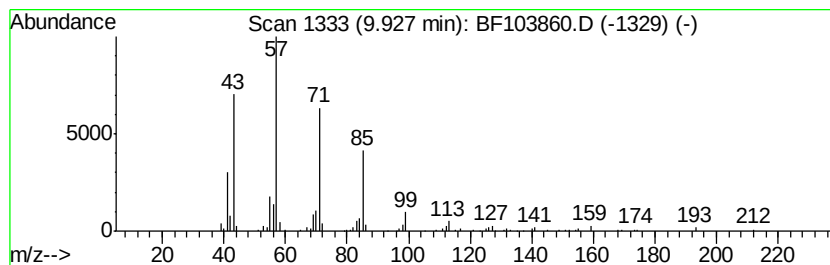
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	3.60 ng	175675	Acenaphthene-d10	10.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	90
2		Tetradecane	198	C14H30	000629-59-4	86
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4		Hexadecane	226	C16H34	000544-76-3	80
5		Tridecane	184	C13H28	000629-50-5	78



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103860.D
Acq On : 22 Mar 2018 18:59
Operator : JU/SJ
Sample : J1991-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

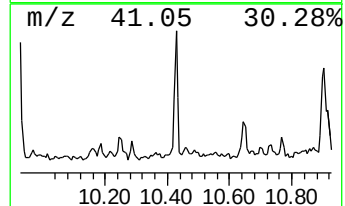
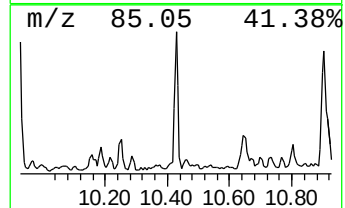
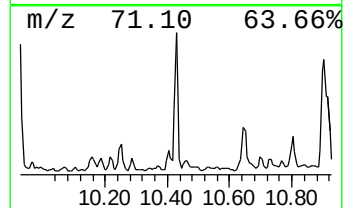
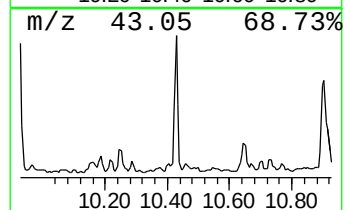
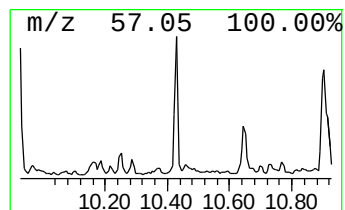
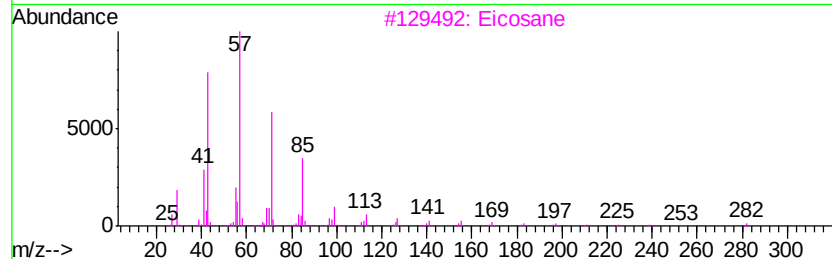
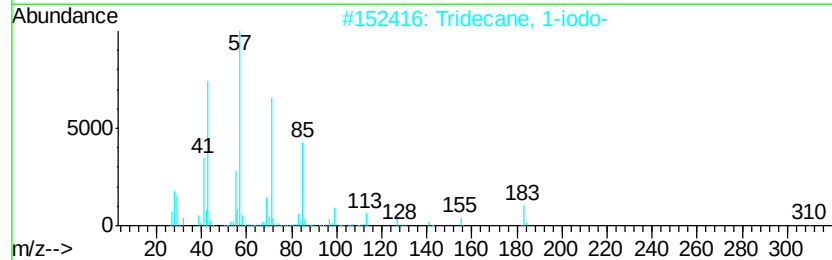
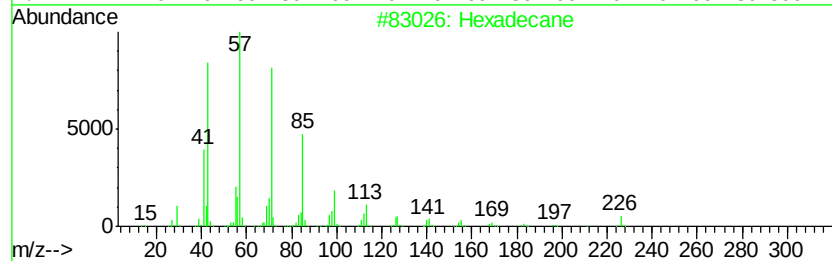
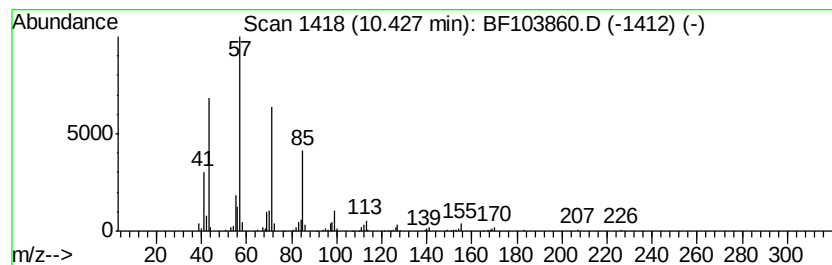
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.43	4.41 ng	215350	Acenaphthene-d10		10.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Pentadecane	212	C15H32	000629-62-9	91
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	86



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
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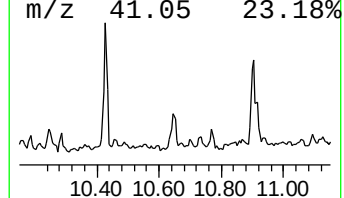
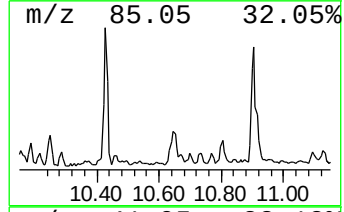
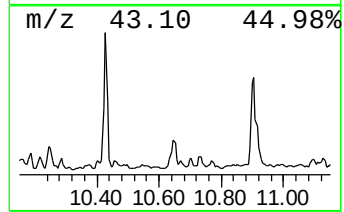
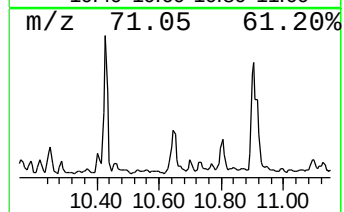
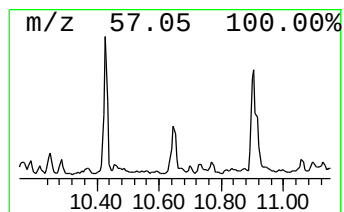
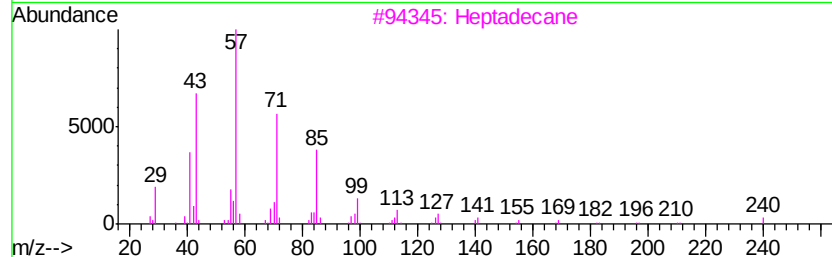
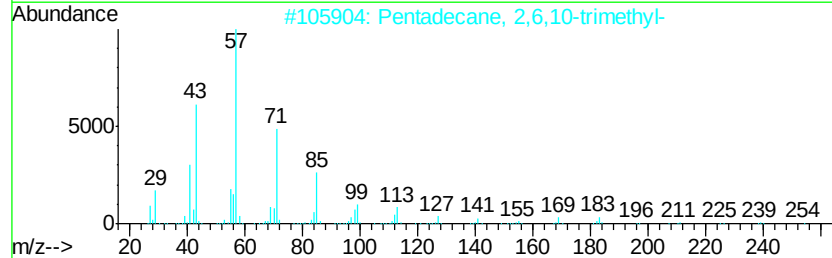
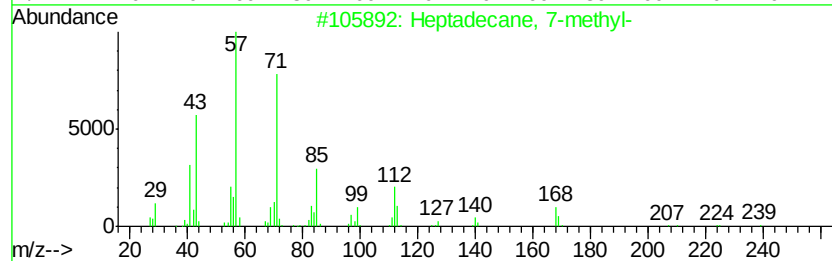
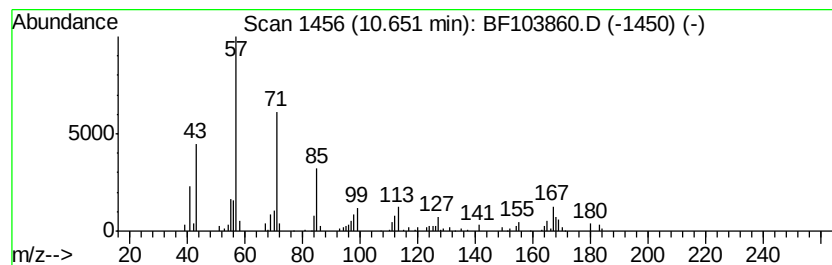
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.65	2.09 ng	102222	Acenaphthene-d10		10.02	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	83
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
3		Heptadecane	240	C17H36	000629-78-7	72
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	70
5		Dodecane	170	C12H26	000112-40-3	68



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103860.D
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Sample : J1991-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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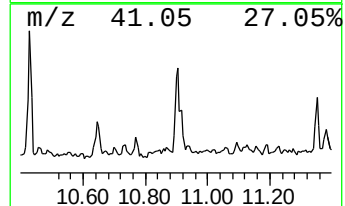
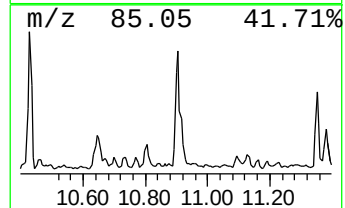
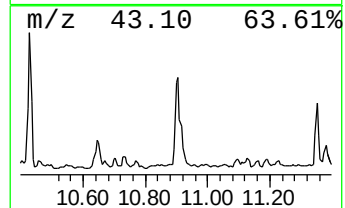
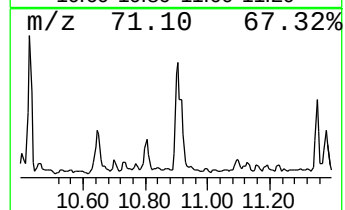
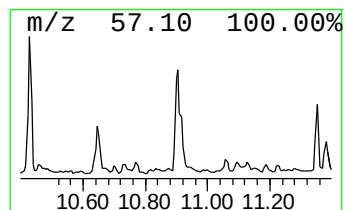
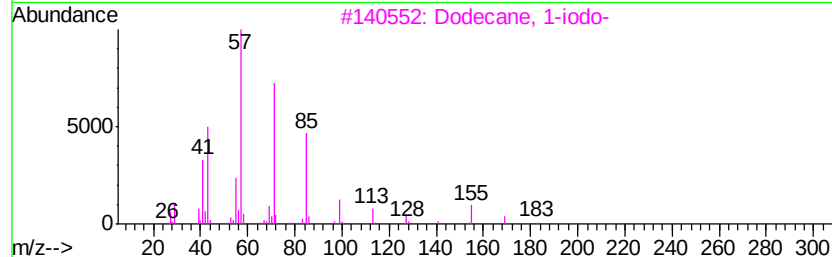
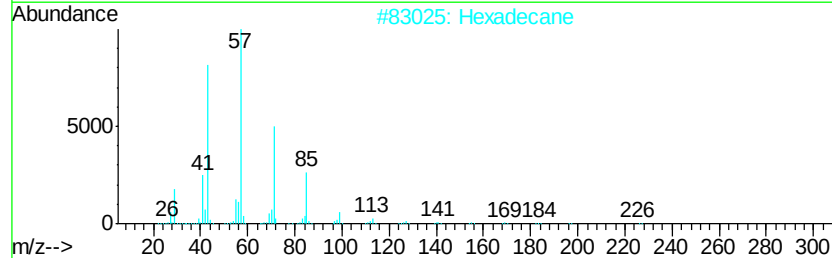
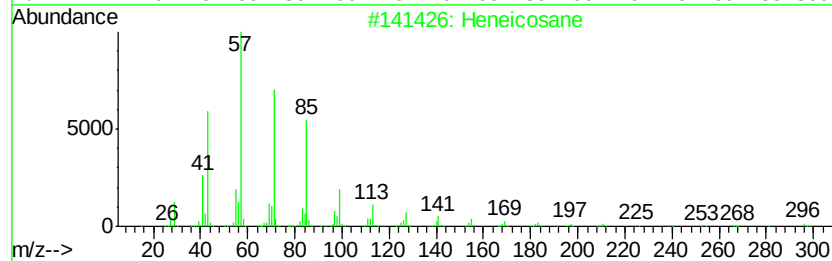
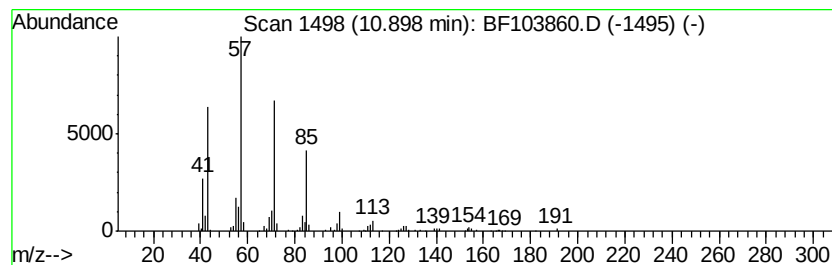
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	6.26 ng	271656	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	91
2	Hexadecane		226	C16H34	000544-76-3	90
3	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	87
4	Nonadecane		268	C19H40	000629-92-5	86
5	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	86



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
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ClientSampleId :
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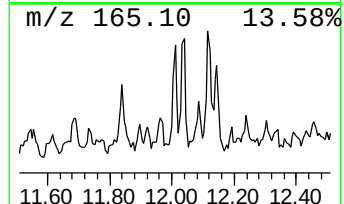
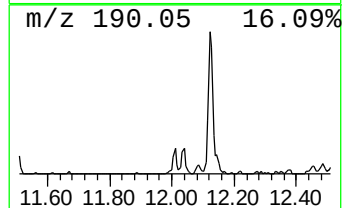
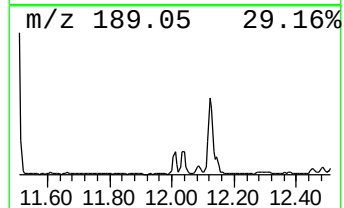
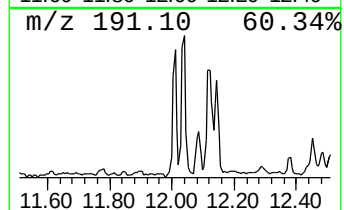
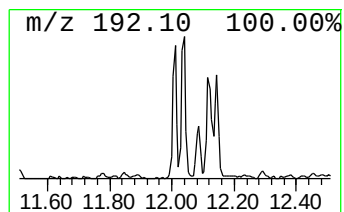
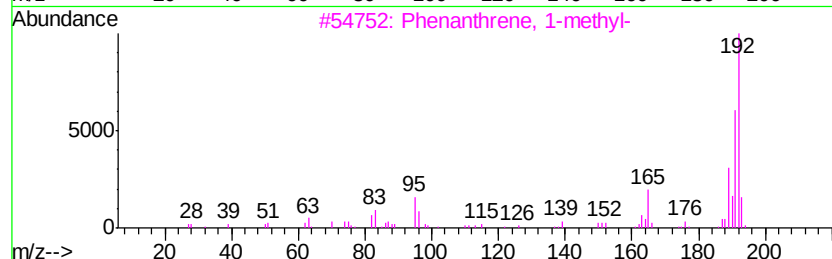
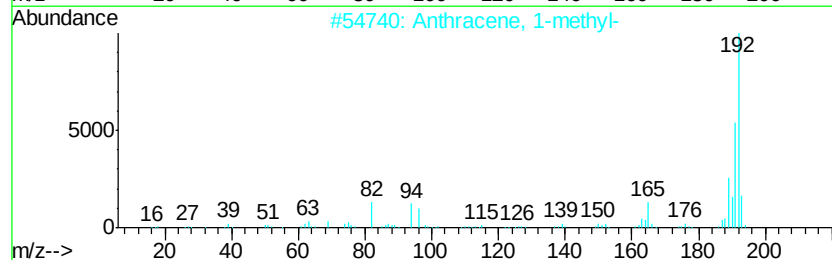
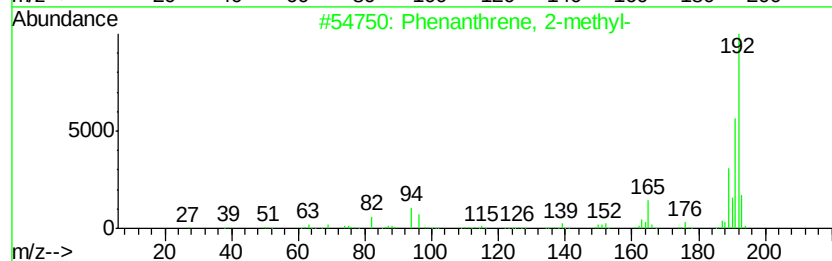
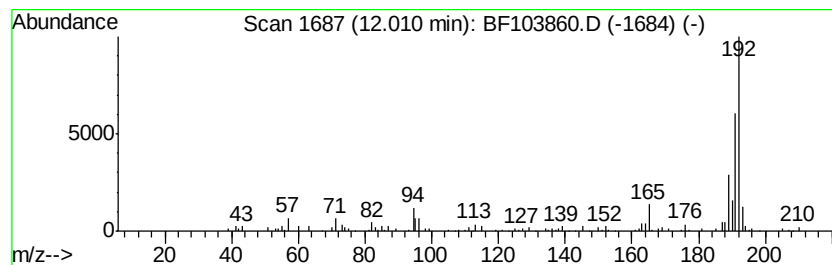
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.02 ng	87717	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	86



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
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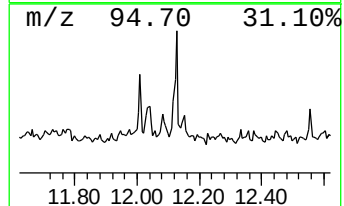
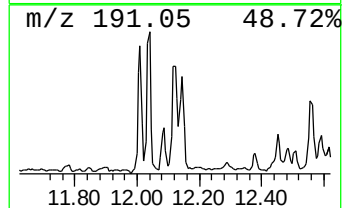
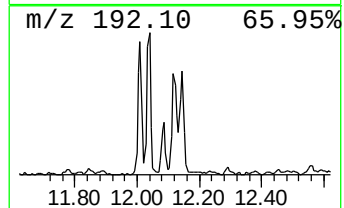
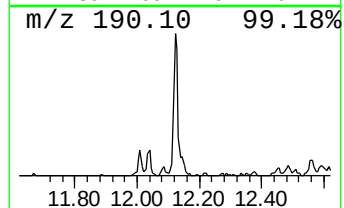
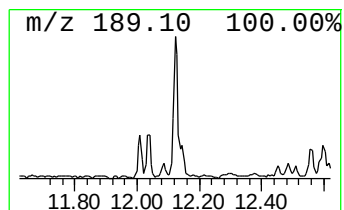
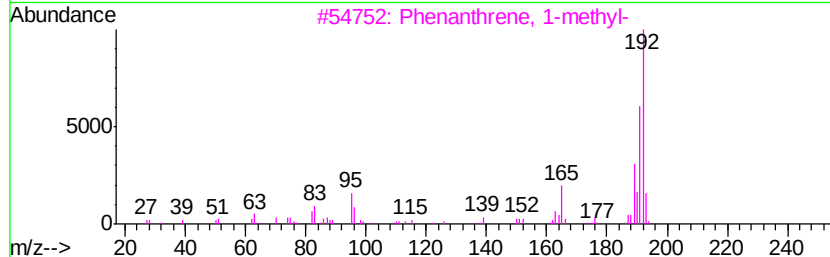
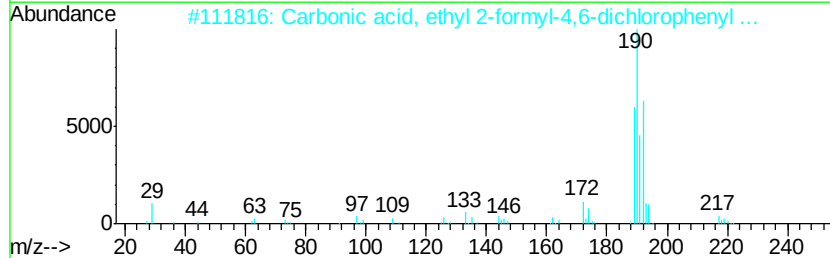
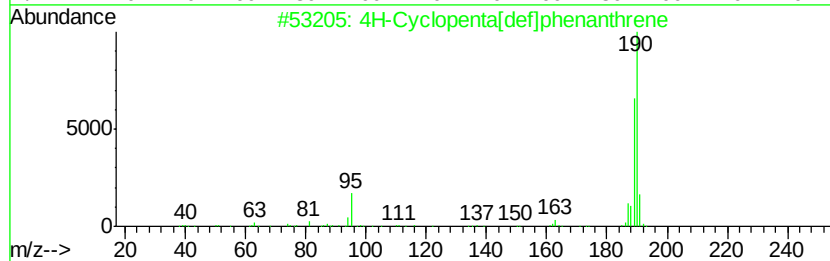
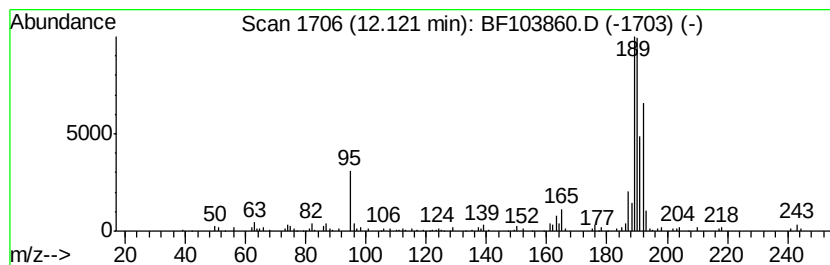
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.27 ng	141915	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2			Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	25
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25



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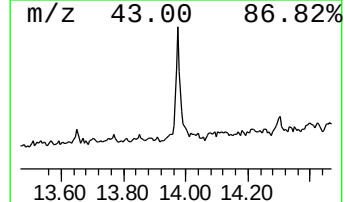
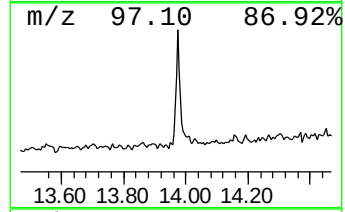
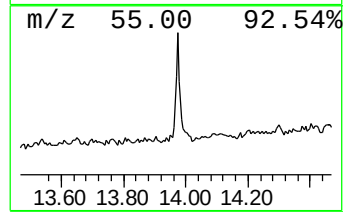
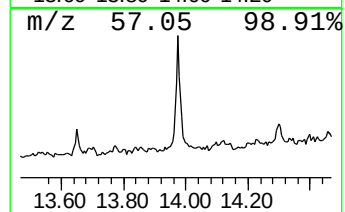
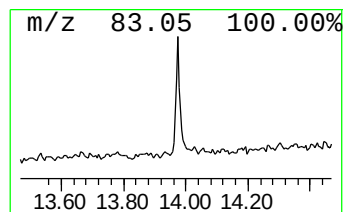
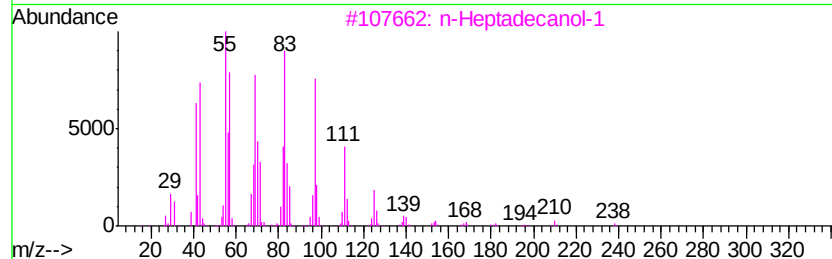
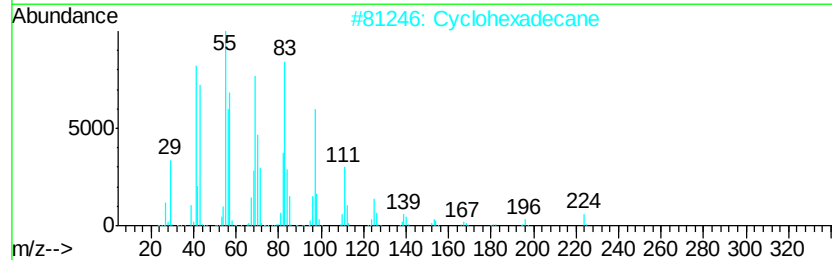
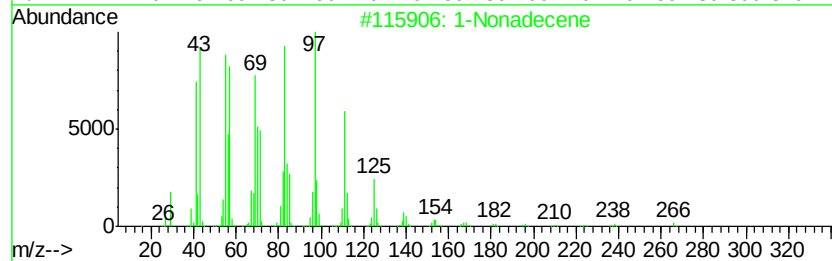
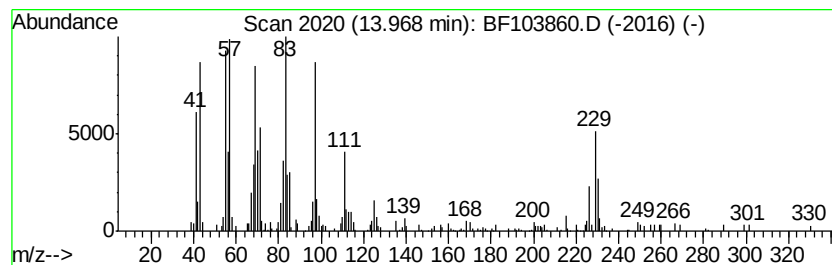
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Nonadecene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.97	4.56 ng	250221	Chrysene-d12		14.16
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	99
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	93
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
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2-Pentanone, 4-hy...	5.22	4.0	ng	162966	1	6.97	814741	20.0
Tetradecane	9.40	2.4	ng	114672	3	10.02	976936	20.0
Pentadecane	9.93	3.6	ng	175675	3	10.02	976936	20.0
Hexadecane	10.43	4.4	ng	215350	3	10.02	976936	20.0
Heptadecane, 7-me...	10.65	2.1	ng	102222	3	10.02	976936	20.0
Heneicosane	10.90	6.3	ng	271656	4	11.50	868153	20.0
Phenanthrene, 2-m...	12.01	2.0	ng	87717	4	11.50	868153	20.0
4H-Cyclopenta[def...	12.12	3.3	ng	141915	4	11.50	868153	20.0
1-Nonadecene	13.97	4.6	ng	250221	5	14.16	1098120	20.0