

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081592.D
 Acq On : 11 Sep 2015 19:56
 Operator : UM/IZ
 Sample : G3511-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

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-BF090115.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	1.462	9	11	17	rBV	135011	344703	17.05%	1.037%
2	1.554	17	19	46	rVB	576878	2000402	98.93%	6.017%
3	3.394	177	180	186	rBV	9609	25823	1.28%	0.078%
4	4.571	278	283	305	rBV	443958	1370326	67.77%	4.122%
5	5.429	354	358	372	rBV	1036368	1933348	95.62%	5.815%
6	7.680	550	555	559	rBV	1008733	1958853	96.88%	5.892%
7	7.772	559	563	566	rVB	1141712	1946026	96.24%	5.853%
8	8.252	602	605	611	rVB	218780	372108	18.40%	1.119%
9	8.583	629	634	637	rBV	813602	1465970	72.50%	4.409%
10	9.555	713	719	722	rBV	671555	1301939	64.39%	3.916%
11	11.143	854	858	861	rBV	290219	476630	23.57%	1.434%
12	11.189	861	862	866	rVB	20516	30092	1.49%	0.091%
13	13.064	1024	1026	1036	rBV3	8207	25364	1.25%	0.076%
14	13.795	1085	1090	1093	rBV	1172197	2021972	100.00%	6.082%
15	14.847	1178	1182	1185	rBV	259596	397753	19.67%	1.196%
16	15.281	1216	1220	1224	rBV2	280520	469899	23.24%	1.413%
17	15.350	1224	1226	1234	rVB	25317	42197	2.09%	0.127%
18	16.424	1317	1320	1324	rBV	26099	44213	2.19%	0.133%
19	17.190	1382	1387	1390	rBV	641244	1185587	58.64%	3.566%
20	17.818	1439	1442	1448	rBV	17270	50709	2.51%	0.153%
21	18.790	1523	1527	1529	rBV	260984	447861	22.15%	1.347%
22	18.836	1529	1531	1534	rVV	191857	314507	15.55%	0.946%
23	18.904	1534	1537	1539	rVV3	18450	35211	1.74%	0.106%
24	18.961	1539	1542	1547	rVB	49052	84408	4.17%	0.254%
25	19.441	1581	1584	1589	rBV	20009	32396	1.60%	0.097%
26	19.750	1607	1611	1616	rBV	57975	116698	5.77%	0.351%
27	19.944	1624	1628	1631	rBV2	18493	34188	1.69%	0.103%
28	20.013	1631	1634	1637	rBV	18585	30057	1.49%	0.090%
29	20.081	1637	1640	1643	rVB	22349	37090	1.83%	0.112%
30	20.196	1644	1650	1651	rBV	19536	37514	1.86%	0.113%
31	20.230	1651	1653	1658	rVB2	16182	34338	1.70%	0.103%
32	20.356	1658	1664	1668	rBV2	23041	73969	3.66%	0.222%
33	20.447	1668	1672	1675	rBV	107485	242106	11.97%	0.728%
34	20.561	1678	1682	1692	rVB	216567	468484	23.17%	1.409%

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35	20.744	1696	1698	1703	rVB2	14806	34280	1.70%	0.103%
36	20.882	1707	1710	1711	rBV	17632	26670	1.32%	0.080%
37	21.453	1757	1760	1766	rVB	550536	839420	41.51%	2.525%
38	21.567	1766	1770	1772	rBV2	19664	30577	1.51%	0.092%
39	21.670	1777	1779	1782	rVV2	26754	29515	1.46%	0.089%
40	21.796	1787	1790	1794	rBV	525643	786140	38.88%	2.365%
41	21.922	1798	1801	1808	rBV3	52985	113121	5.59%	0.340%
42	22.025	1808	1810	1811	rBV	24345	36768	1.82%	0.111%
43	22.047	1811	1812	1816	rVB	27412	34052	1.68%	0.102%
44	22.127	1816	1819	1821	rBV	1030633	1354805	67.00%	4.075%
45	22.162	1821	1822	1825	rVB	30606	43890	2.17%	0.132%
46	22.310	1829	1835	1839	rBV2	61469	168799	8.35%	0.508%
47	22.402	1841	1843	1845	rBV	61310	75447	3.73%	0.227%
48	22.447	1845	1847	1853	rBV3	34446	92060	4.55%	0.277%
49	22.562	1854	1857	1858	rBV2	37196	57291	2.83%	0.172%
50	22.596	1858	1860	1862	rVB	44503	46518	2.30%	0.140%
51	22.687	1866	1868	1872	rVB3	20586	38058	1.88%	0.114%
52	22.825	1876	1880	1881	rBV4	15959	37319	1.85%	0.112%
53	22.882	1883	1885	1887	rVB	28731	36764	1.82%	0.111%
54	22.973	1891	1893	1895	rVB	40846	39970	1.98%	0.120%
55	23.099	1902	1904	1905	rBV	72341	89141	4.41%	0.268%
56	23.133	1905	1907	1910	rVB2	75566	122600	6.06%	0.369%
57	23.190	1910	1912	1914	rBV	54867	68359	3.38%	0.206%
58	23.236	1914	1916	1918	rBV	23948	33873	1.68%	0.102%
59	23.305	1920	1922	1924	rVB	25843	36291	1.79%	0.109%
60	23.396	1925	1930	1932	rBV3	527541	1256232	62.13%	3.778%
61	23.430	1932	1933	1935	rVB	563439	428122	21.17%	1.288%
62	23.465	1935	1936	1938	rVB2	23977	24147	1.19%	0.073%
63	23.510	1938	1940	1942	rBV	175203	170626	8.44%	0.513%
64	23.568	1943	1945	1947	rBV2	15310	28123	1.39%	0.085%
65	23.636	1948	1951	1953	rVB3	64520	98340	4.86%	0.296%
66	23.682	1953	1955	1957	rBV	66770	73896	3.65%	0.222%
67	23.728	1957	1959	1962	rBV2	27431	35729	1.77%	0.107%
68	23.808	1964	1966	1967	rBV	33818	42006	2.08%	0.126%
69	23.853	1967	1970	1971	rBV	56282	80385	3.98%	0.242%
70	23.945	1975	1978	1979	rBV3	40701	62023	3.07%	0.187%
71	24.059	1986	1988	1992	rVB2	171186	230294	11.39%	0.693%

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72	24.173	1996	1998	2000	rBV2	20476	40348	2.00%	0.121%
73	24.356	2012	2014	2018	rBV2	55566	101881	5.04%	0.306%
74	24.413	2018	2019	2021	rVV	26365	37456	1.85%	0.113%
75	24.505	2024	2027	2031	rVV	716766	1312470	64.91%	3.948%
76	24.585	2031	2034	2036	rVB2	106473	134358	6.64%	0.404%
77	24.665	2038	2041	2044	rBV3	139278	344490	17.04%	1.036%
78	24.745	2045	2048	2050	rVV	476227	591874	29.27%	1.780%
79	24.790	2050	2052	2054	rVV	602209	605532	29.95%	1.821%
80	24.836	2054	2056	2063	rVV2	268698	457153	22.61%	1.375%
81	25.076	2075	2077	2082	rVB	89722	136016	6.73%	0.409%
82	25.248	2089	2092	2093	rBV2	70281	99017	4.90%	0.298%
83	25.282	2093	2095	2098	rVB4	47794	84368	4.17%	0.254%
84	25.476	2110	2112	2118	rVB5	44184	114001	5.64%	0.343%
85	25.591	2119	2122	2124	rBV2	27461	59756	2.96%	0.180%
86	25.636	2124	2126	2128	rBV2	36928	60607	3.00%	0.182%
87	25.785	2134	2139	2143	rBV4	85652	259458	12.83%	0.780%
88	25.899	2146	2149	2152	rVV	369473	595967	29.47%	1.793%
89	26.013	2155	2159	2161	rVV3	83592	190010	9.40%	0.572%
90	26.059	2161	2163	2165	rVV	105445	179908	8.90%	0.541%
91	26.105	2165	2167	2171	rVB4	48655	105822	5.23%	0.318%
92	26.208	2172	2176	2179	rVV	244669	439398	21.73%	1.322%
93	26.288	2180	2183	2188	rVV4	99792	266862	13.20%	0.803%
94	26.368	2188	2190	2196	rVB2	76840	175442	8.68%	0.528%
95	26.745	2220	2223	2227	rBV4	18425	39423	1.95%	0.119%
96	26.985	2241	2244	2251	rVB6	40167	122123	6.04%	0.367%
97	27.545	2290	2293	2299	rVB8	20277	58443	2.89%	0.176%
98	27.659	2299	2303	2307	rBV	62661	152626	7.55%	0.459%
99	27.762	2308	2312	2319	rVB	49475	130690	6.46%	0.393%
100	27.888	2319	2323	2326	rBV	35238	97034	4.80%	0.292%

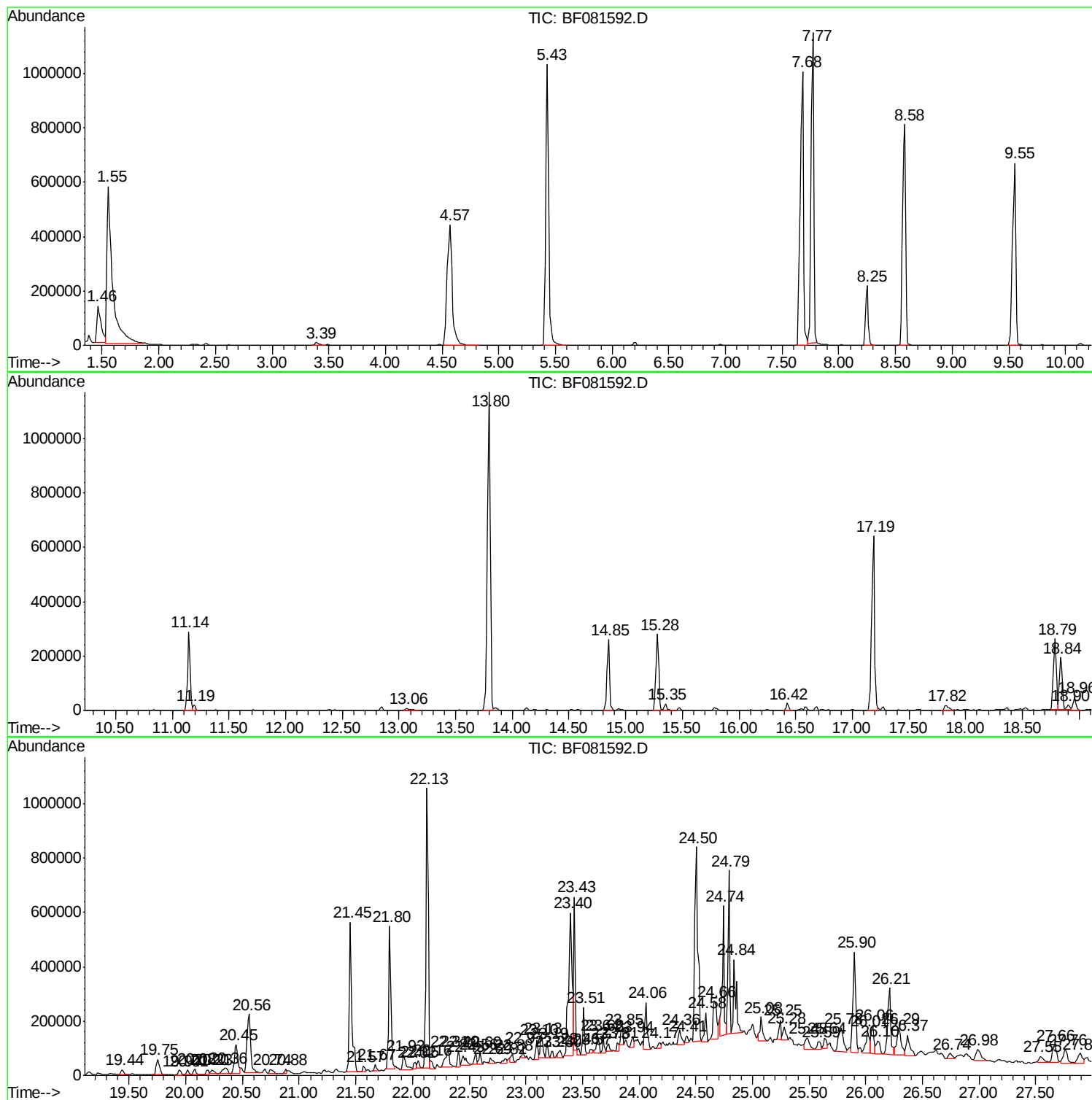
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Misc :
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Instrument :
BNA_F
ClientSampled :
SB-03(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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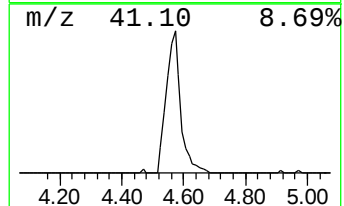
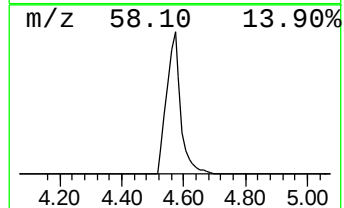
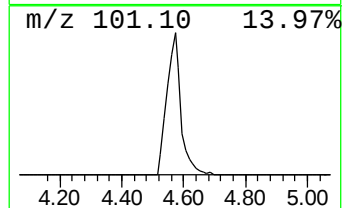
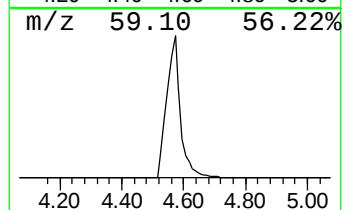
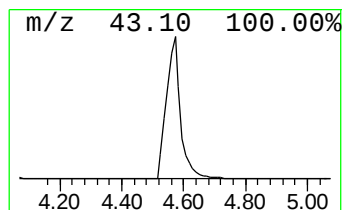
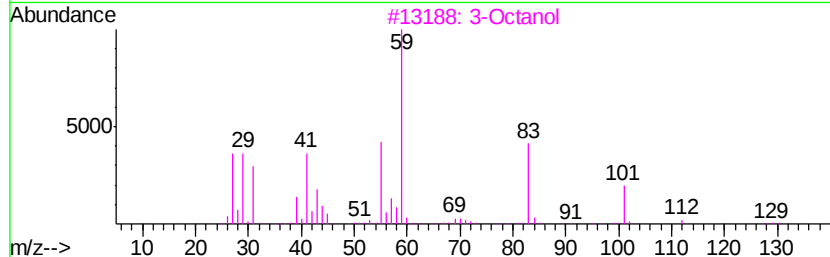
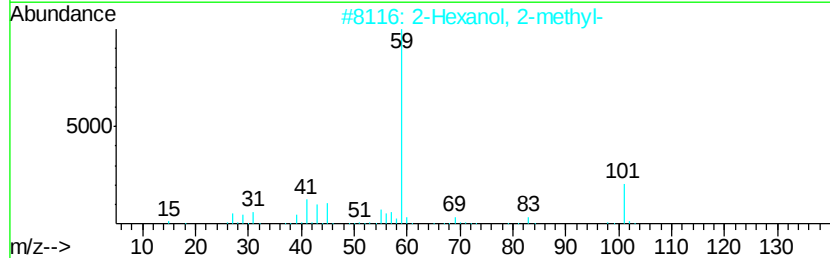
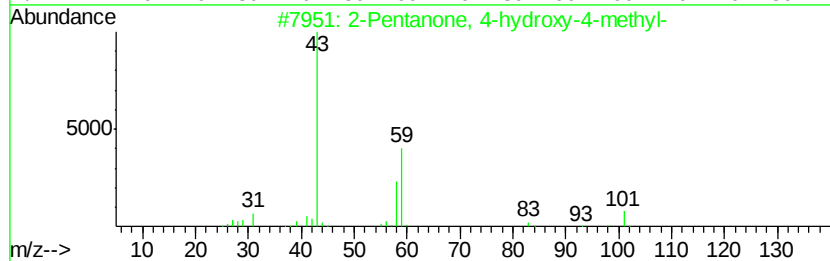
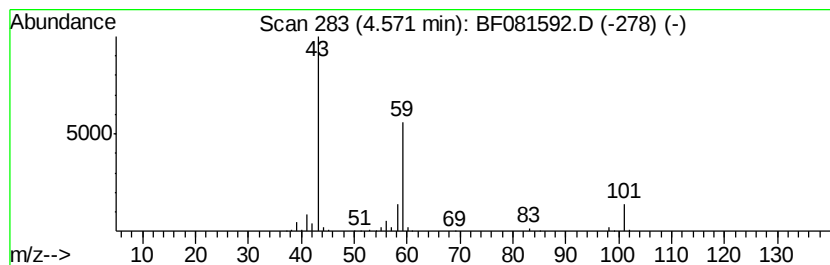
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	73.65 ng	1370330	1,4-Dichlorobenzene-d4	8.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3			3-Octanol	130	C8H18O	000589-98-0	33
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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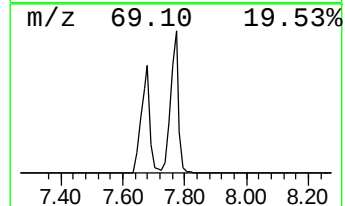
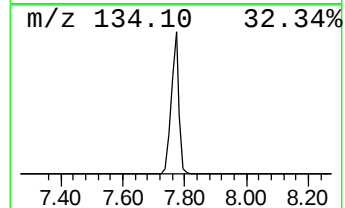
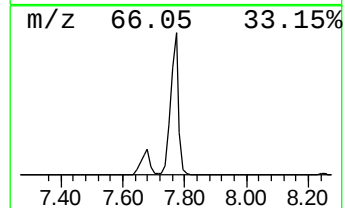
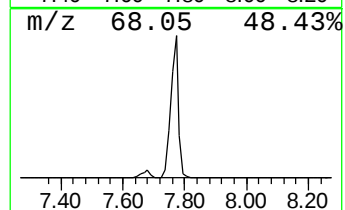
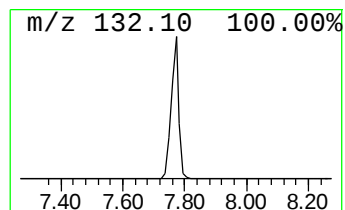
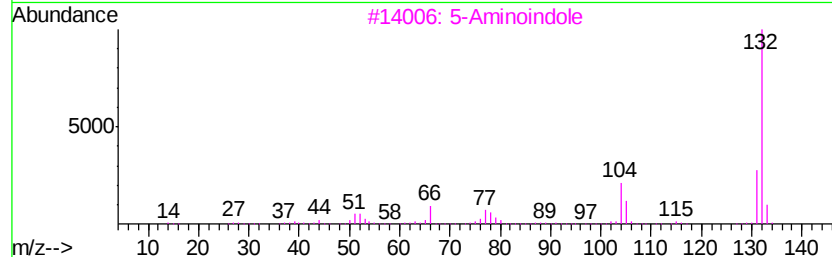
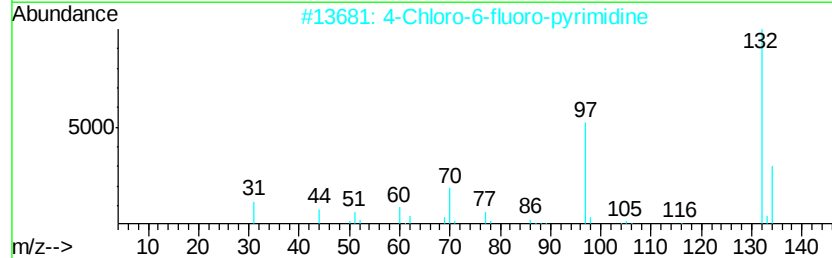
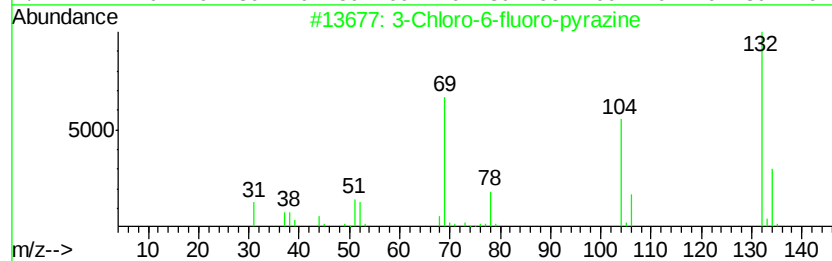
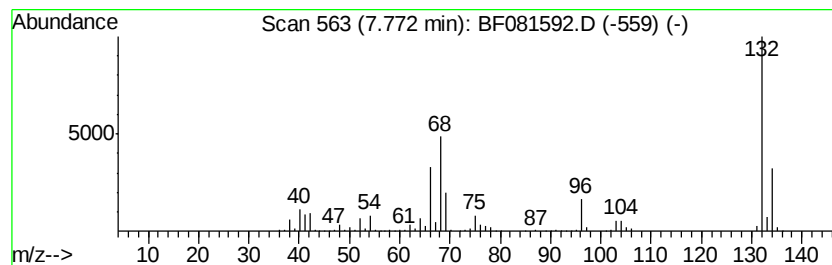
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown7.77 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	104.60 ng	1946030	1,4-Dichlorobenzene-d4	8.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		5-Aminoindole	132	C8H8N2	005192-03-0	27
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



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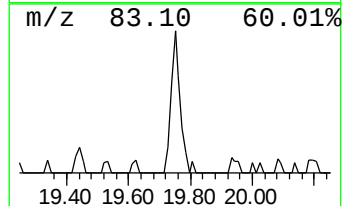
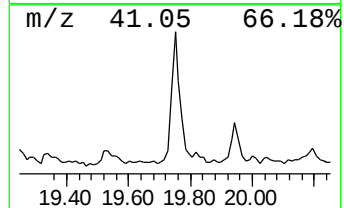
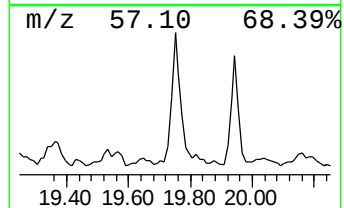
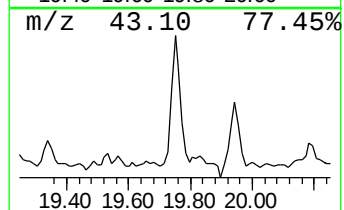
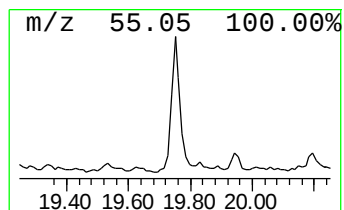
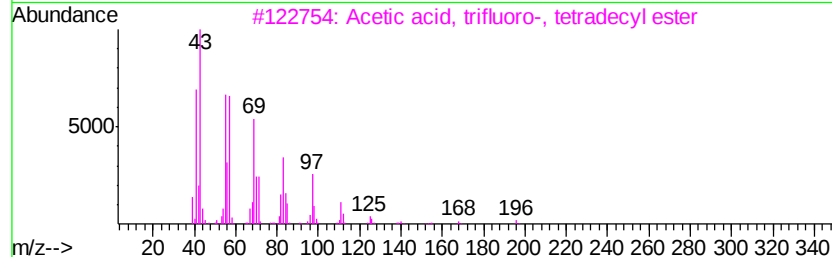
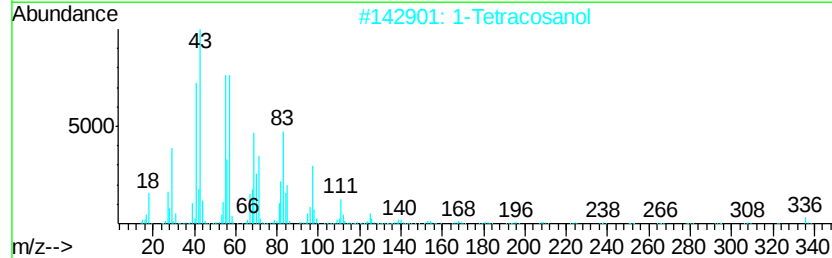
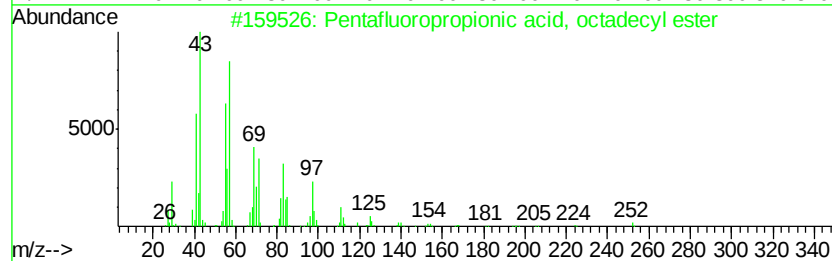
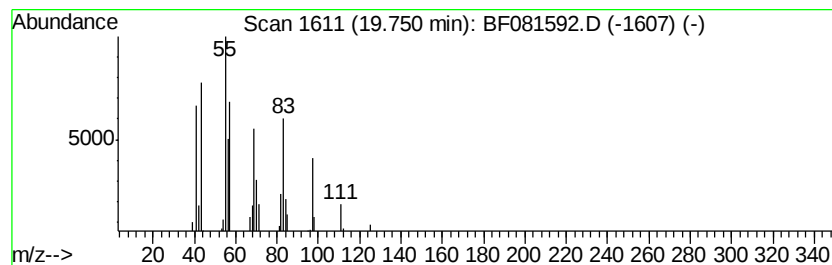
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TIC Integration Parameters: LSCINT.P

Peak Number 6 Pentafluoropropionic acid, ... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	5.21 ng	116698	Phenanthrene-d10	18.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	91
2		1-Tetracosanol	354	C24H50O	000506-51-4	91
3		Acetic acid, trifluoro-, tetradec...	310	C16H29F3O2	006222-02-2	90
4		1-Tridecene	182	C13H26	002437-56-1	86
5		1-Hexacosanol	382	C26H54O	000506-52-5	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

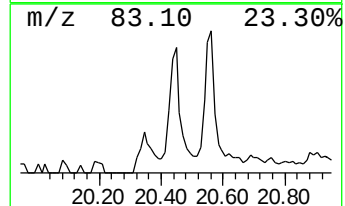
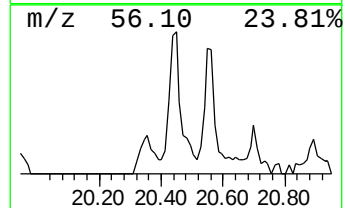
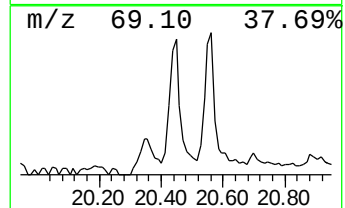
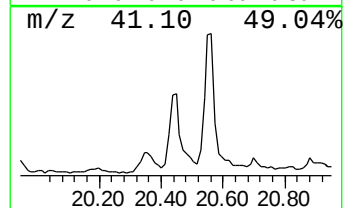
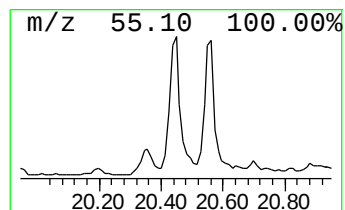
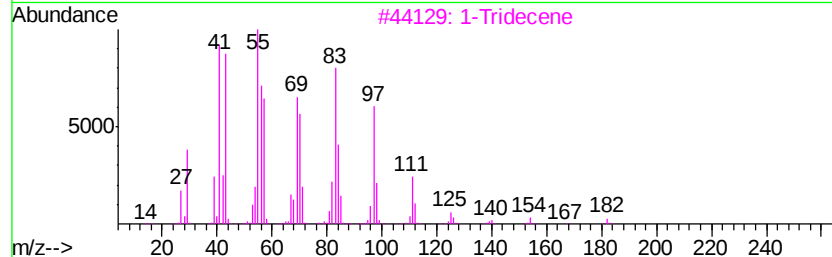
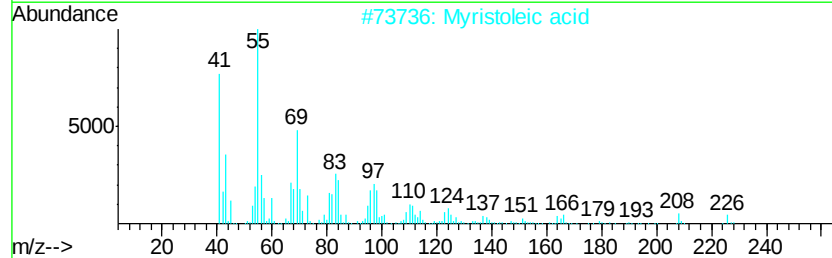
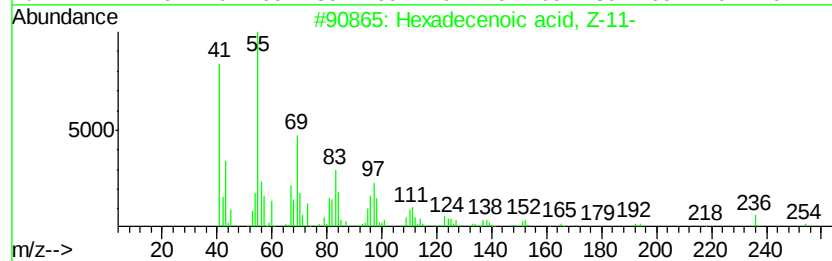
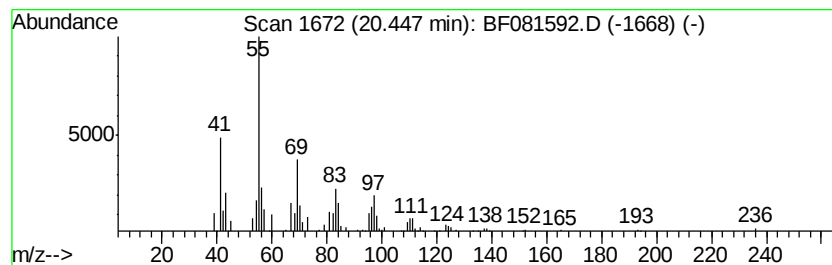
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecenoic acid, Z-11- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	10.81 ng	242106	Phenanthrene-d10	18.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	90
2	Myristoleic acid	226	C14H26O2	000544-64-9	72
3	1-Tridecene	182	C13H26	002437-56-1	52
4	Z-8-Methyl-9-tetradecenoic acid	240	C15H28O2	1000130-84-5	52
5	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
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Instrument :
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ClientSampleId :
SB-03(0-0.16)

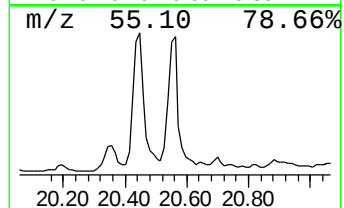
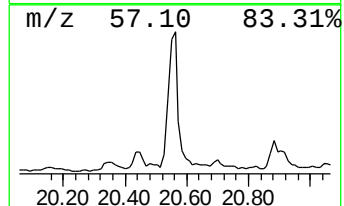
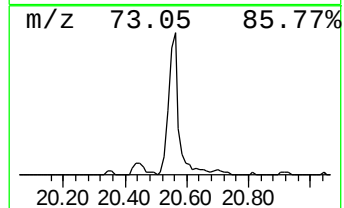
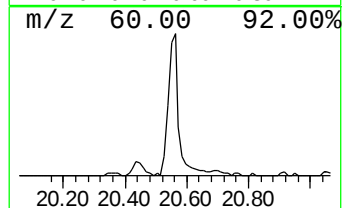
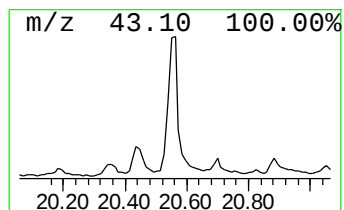
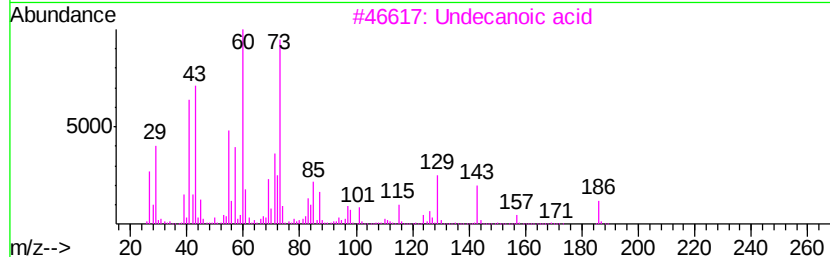
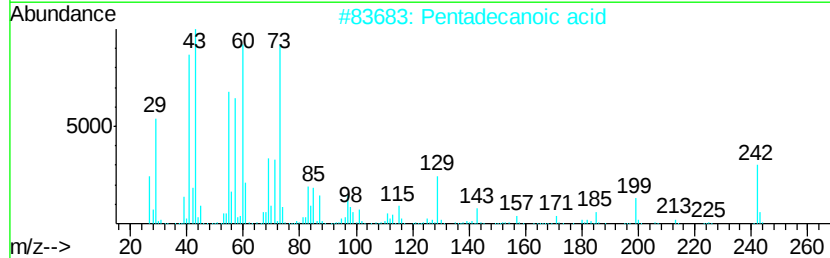
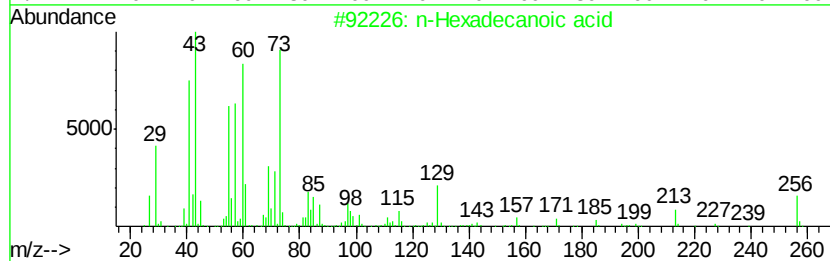
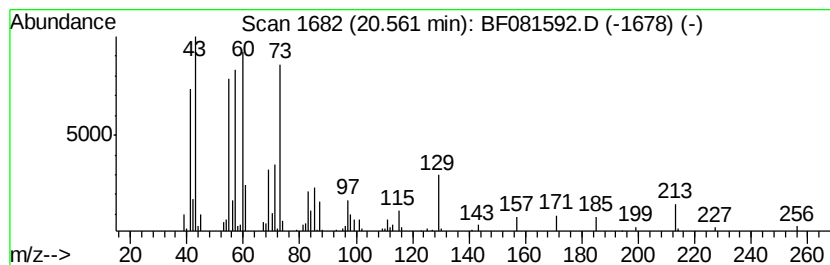
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	20.92 ng	468484	Phenanthrene-d10	18.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3		Undecanoic acid	186	C11H22O2	000112-37-8	80
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5		Tridecanoic acid	214	C13H26O2	000638-53-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

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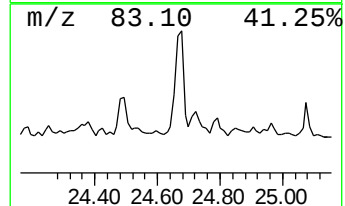
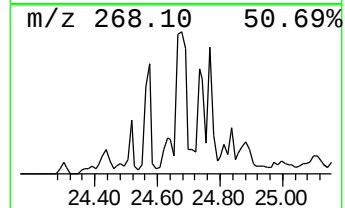
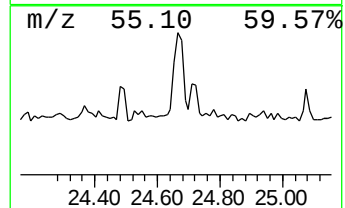
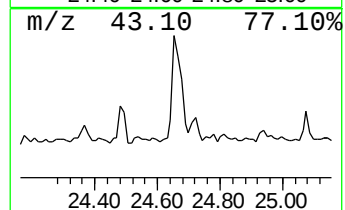
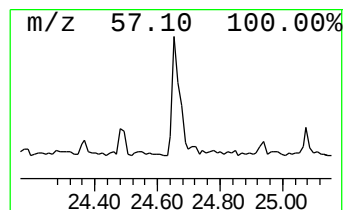
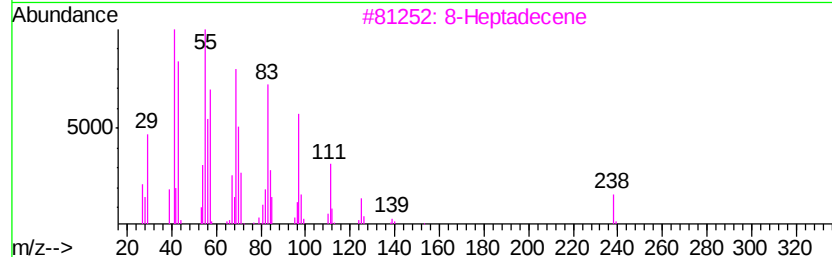
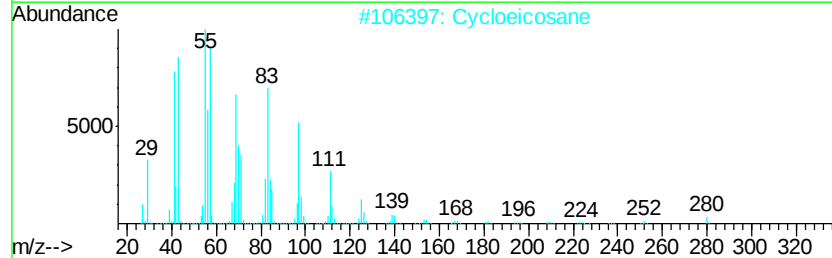
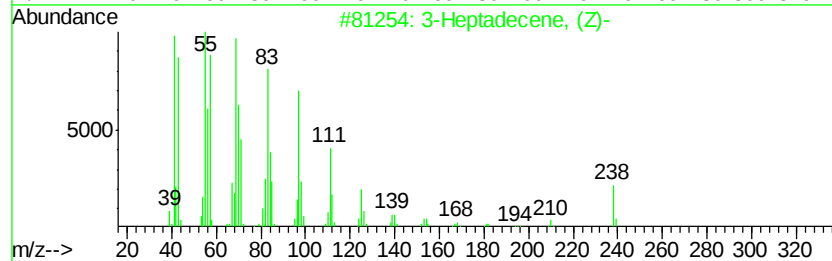
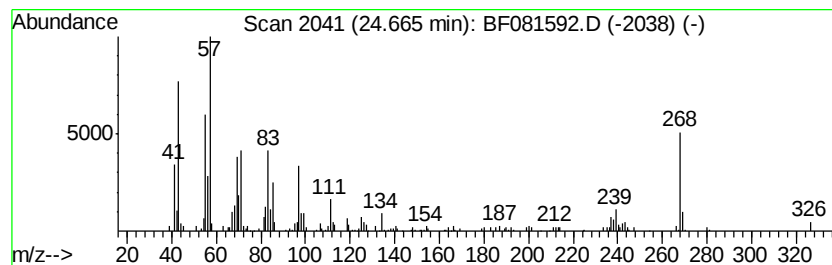
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 3-Heptadecene, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.66	15.07 ng	344490	Perylene-d12	24.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Heptadecene, (Z)-	238	C17H34	1000141-67-3	53
2			Cycloeicosane	280	C20H40	000296-56-0	53
3			8-Heptadecene	238	C17H34	054290-12-9	50
4			Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	49
5			9-Eicosene, (E)-	280	C20H40	074685-29-3	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-03(0-0.16)

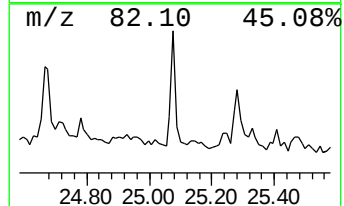
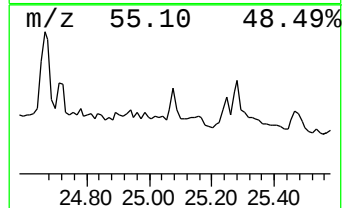
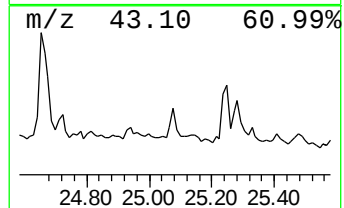
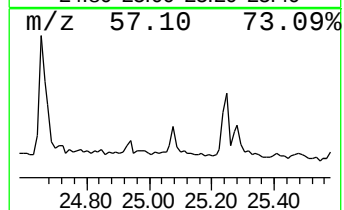
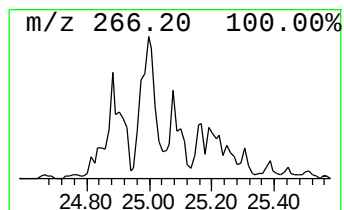
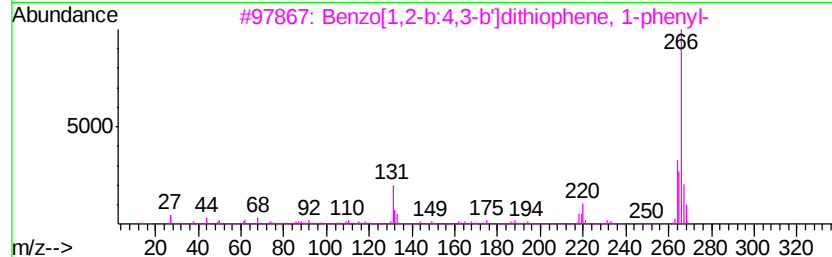
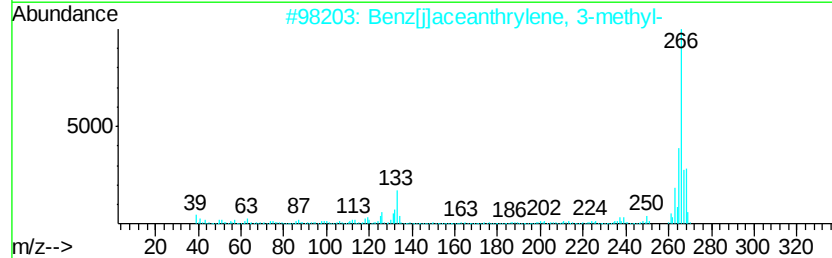
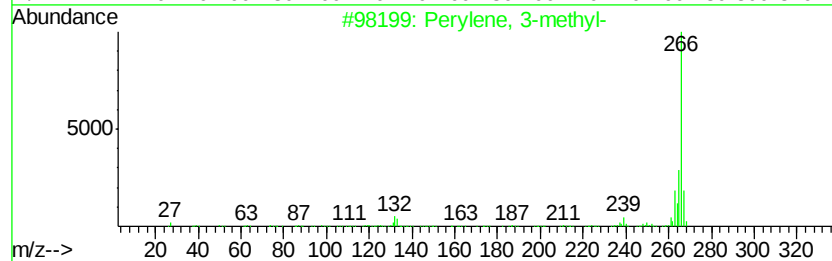
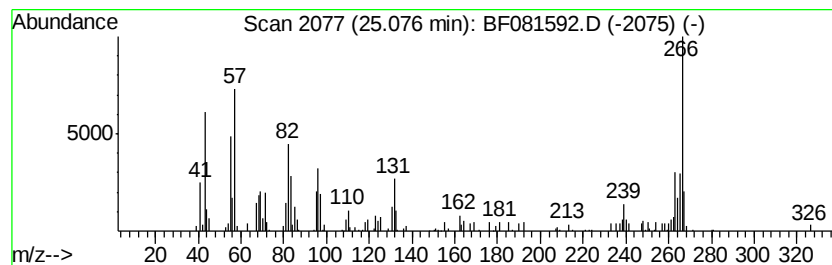
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown25.08 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.08	5.95 ng	136016	Perylene-d12	24.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene, 3-methyl-	266	C21H14	024471-47-4	45
2		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	38
3		Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	38
4		Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	35
5		9,10-Anthracenedione, 1,4-bis(am...	266	C16H14N2O2	077862-13-6	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

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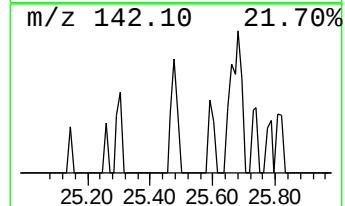
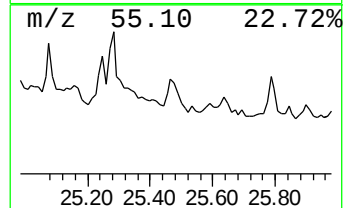
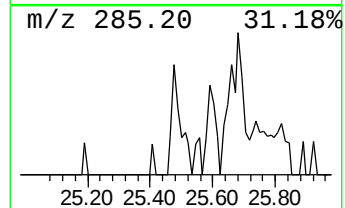
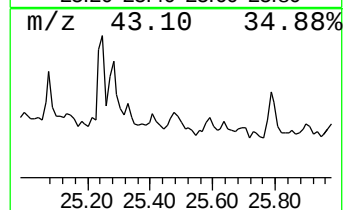
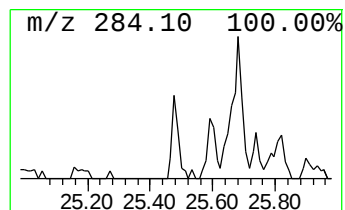
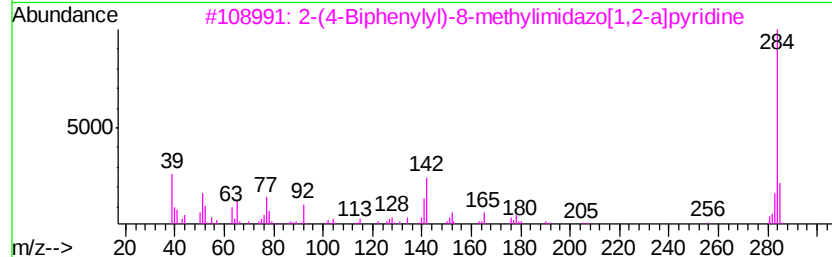
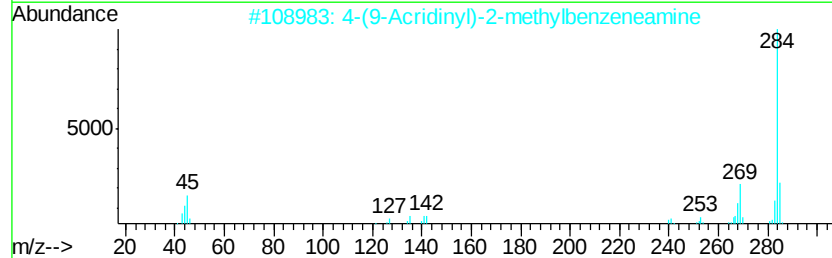
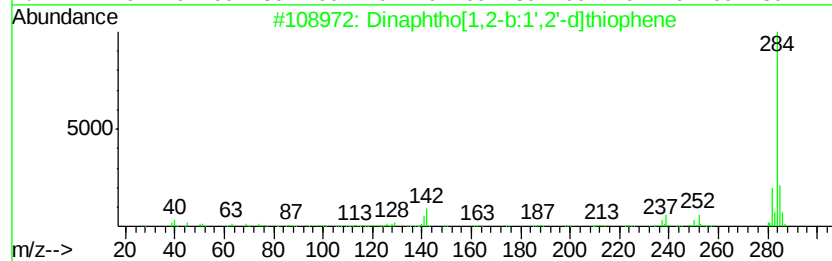
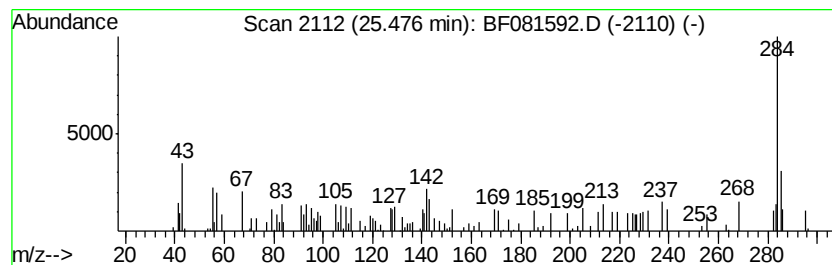
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]thi... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.48	4.99 ng	114001	Perylene-d12	24.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]thiophene	284	C20H12S	000207-94-3	58
2		4-(9-Acridinyl)-2-methylbenzenea...	284	C20H16N2	035586-76-6	53
3		2-(4-Biphenyl)-8-methylimidazo...	284	C20H16N2	1000224-31-4	53
4		9-(4-Amino-0-tolyl)acridine	284	C20H16N2	030189-60-7	50
5		Dibenzo[a,d]bicyclo[3,2,1]-8-aza...	284	C20H16N2	1000128-44-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

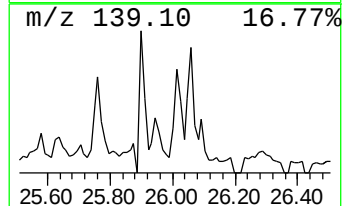
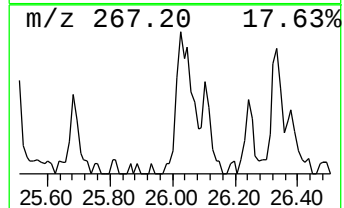
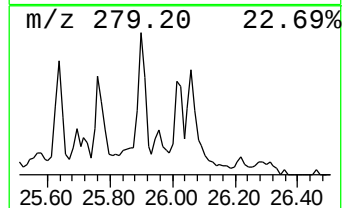
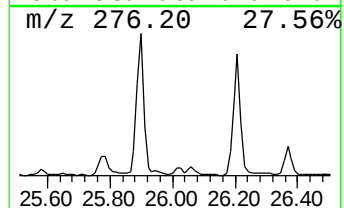
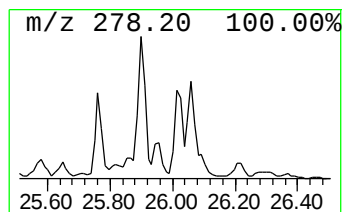
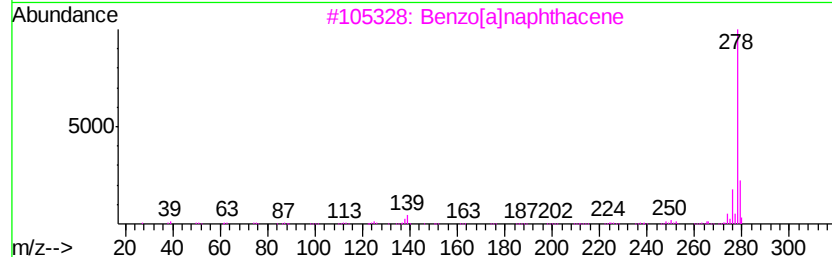
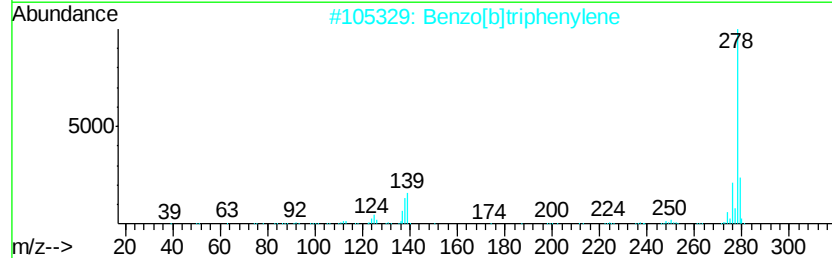
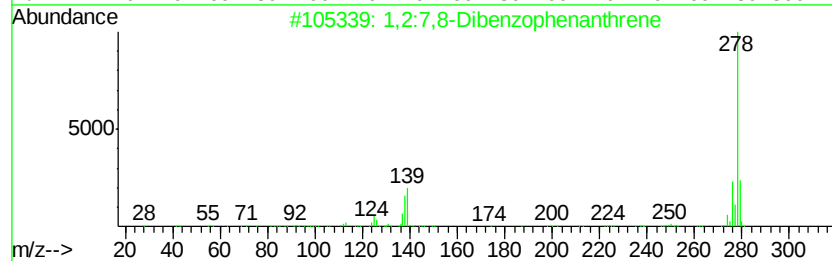
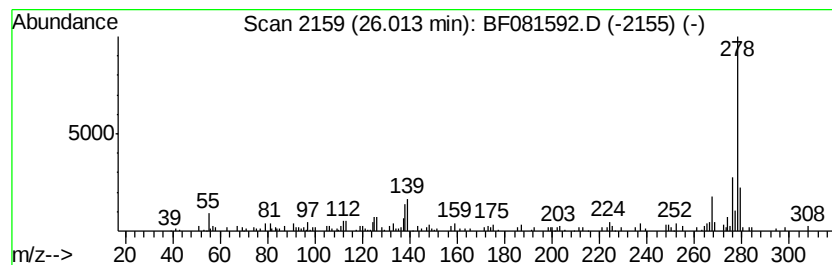
Instrument :
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ClientSampleId :
SB-03(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2:7,8-Dibenzophenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
26.01	8.31 ng	190010	Perylene-d12	24.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	86
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
SB-03(0-0.16)

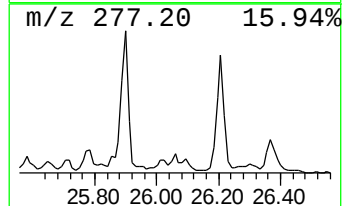
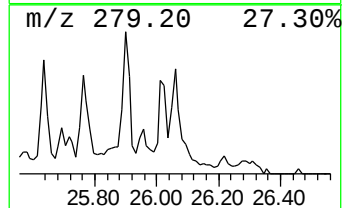
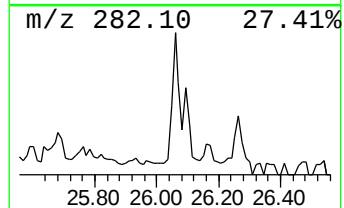
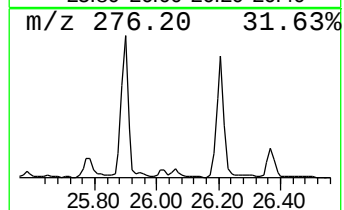
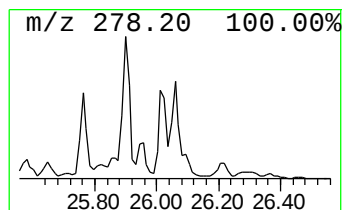
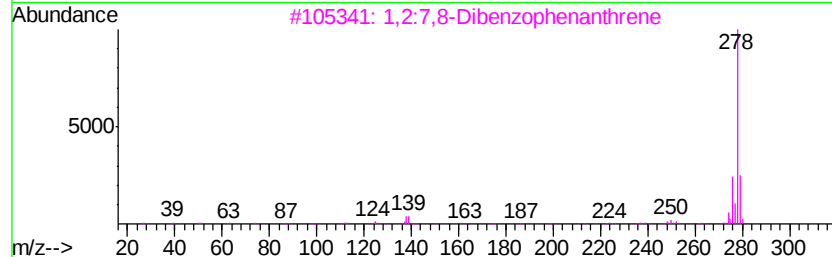
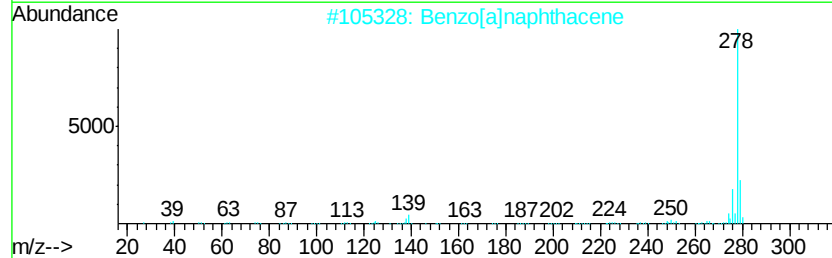
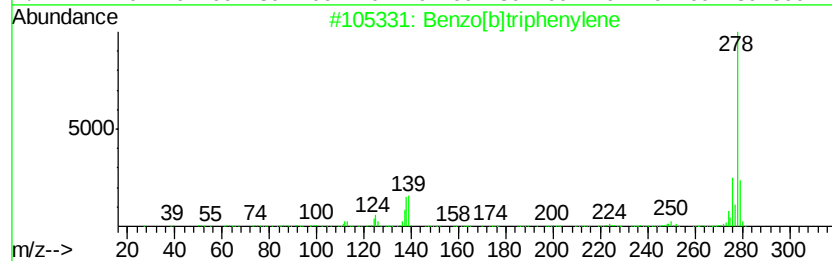
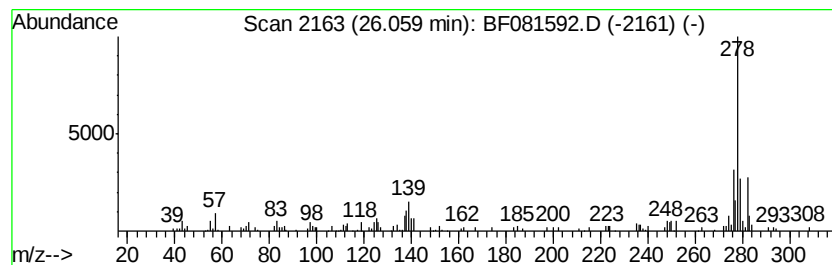
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.06	7.87 ng	179908	Perylene-d12	24.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	86
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	86
4		Pentacene	278	C22H14	000135-48-8	70
5		Dibenzo-1,2,7,8-anthracene	278	C22H14	000224-41-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

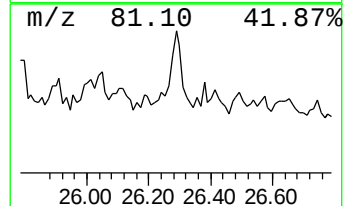
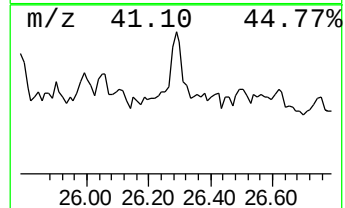
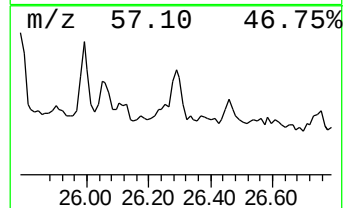
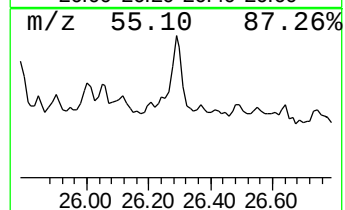
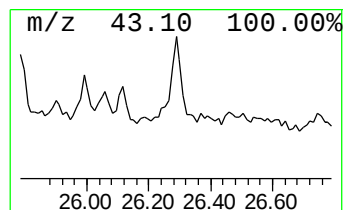
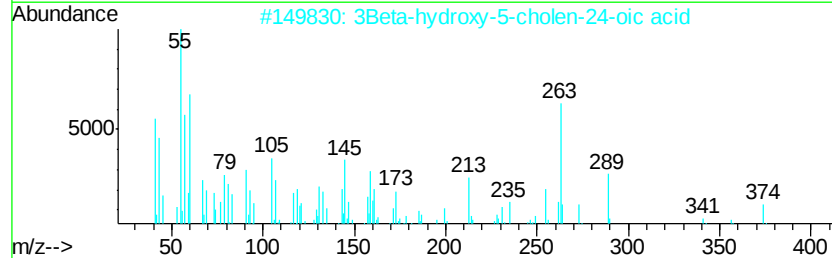
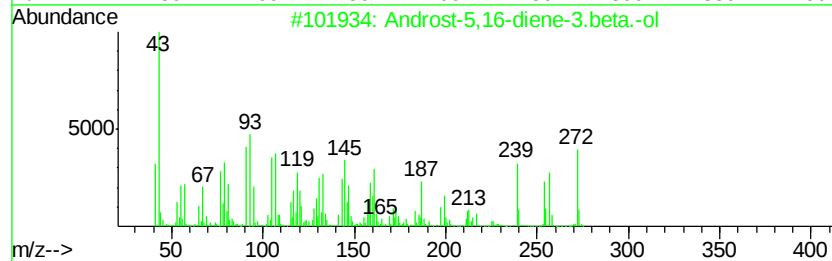
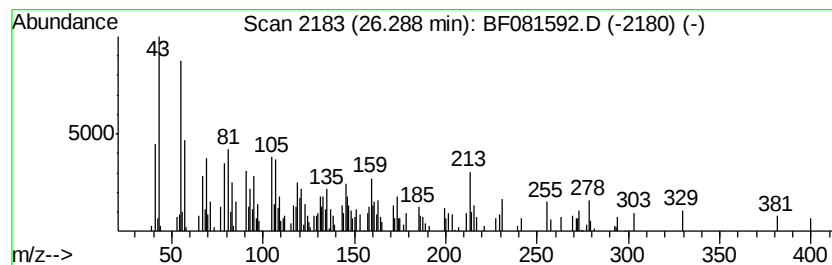
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown26.29 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.29	11.68 ng	266862	Perylene-d12	24.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Androst-5,16-diene-3.beta.-ol	272	C19H28O	001224-94-8	38
2		3Beta-hydroxy-5-cholen-24-oic acid	374	C24H38O3	005255-17-4	38
3		Androst-5-ene,1-acetoxy-16,17-di...	386	C25H38O3	294866-91-4	35
4		Acetic acid, 1-cyano-1-(cyclohex...	273	C16H19NO3	1000155-83-4	15
5		5-Isopropyl-2,2,7a-trimethylhexa...	228	C13H24O3	075316-52-8	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

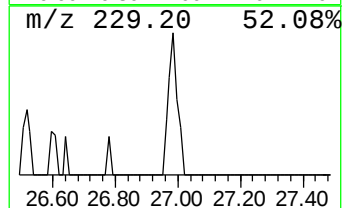
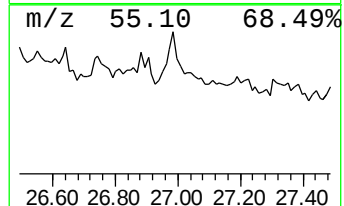
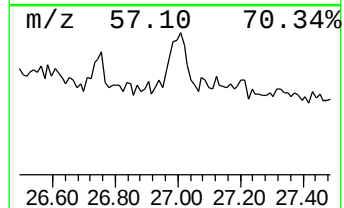
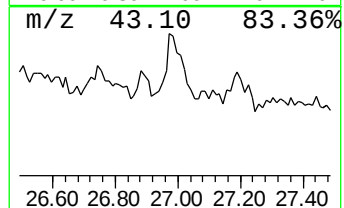
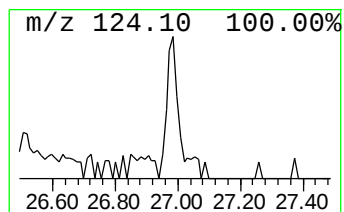
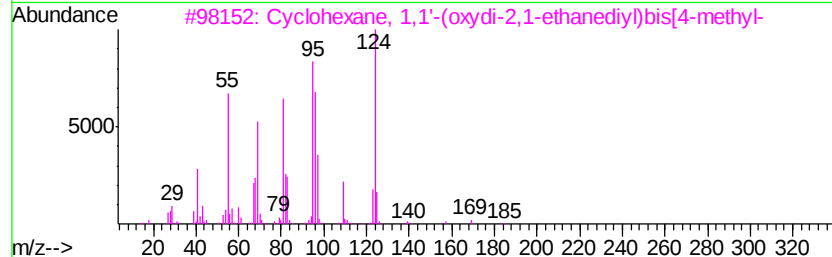
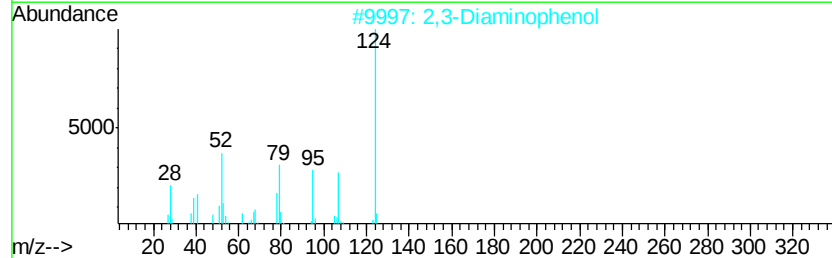
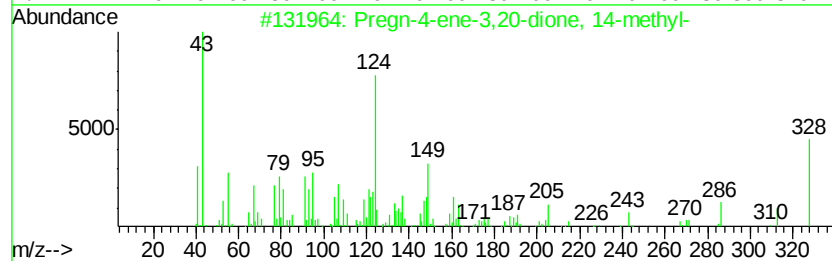
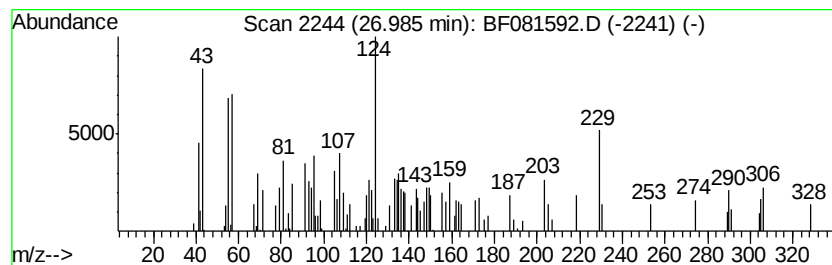
Instrument :
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ClientSampleId :
SB-03(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown26.99 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
26.99	5.34 ng	122123	Perylene-d12	24.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pregn-4-ene-3,20-dione, 14-methyl-	328	C22H32O2	055162-96-4	49
2	2,3-Diaminophenol	124	C6H8N2O	059649-56-8	43
3	Cyclohexane, 1,1'-(oxydi-2,1-eth...	266	C18H34O	055044-32-1	27
4	Pyrimidine, 2-methoxy-5-methyl-	124	C6H8N2O	017758-07-5	27
5	1,3-Benzenediol, 2-methyl-	124	C7H8O2	000608-25-3	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

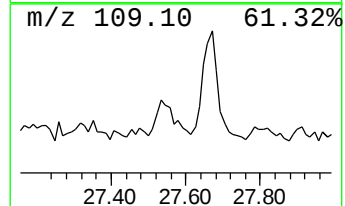
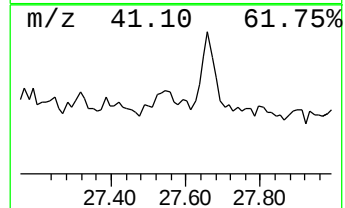
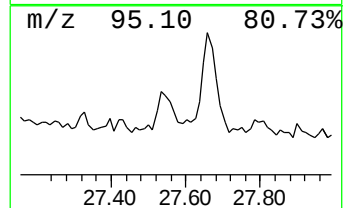
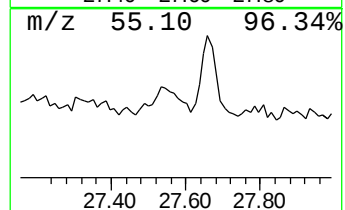
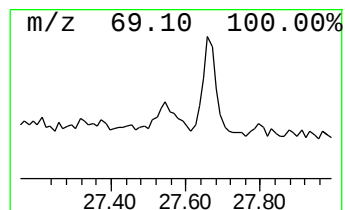
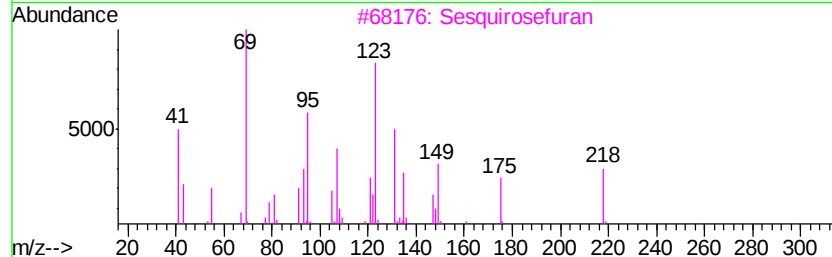
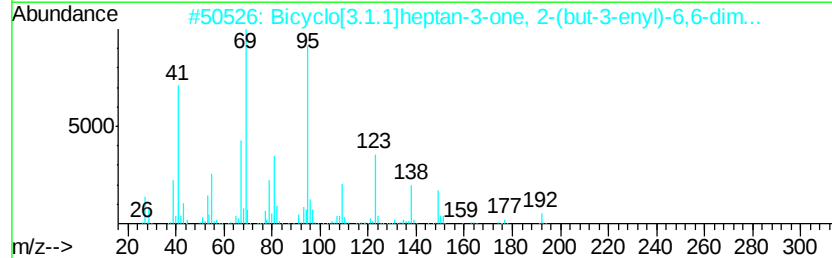
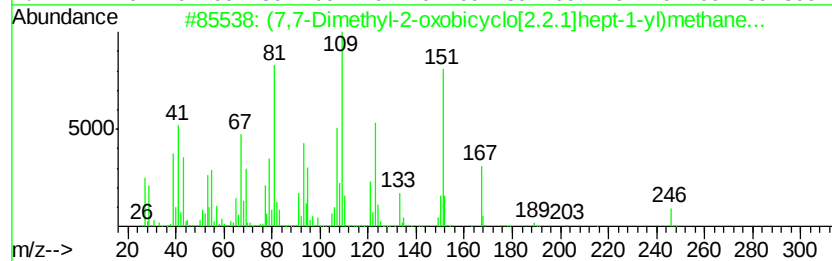
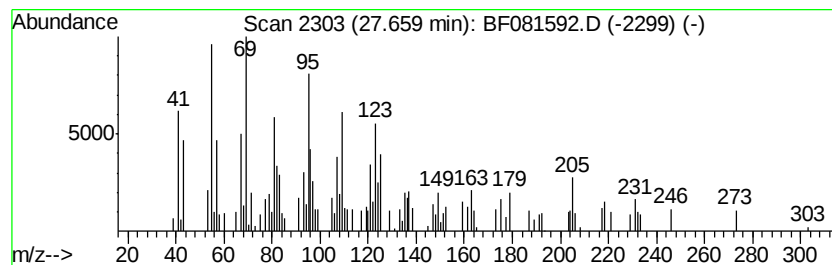
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown27.66 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
27.66	6.68 ng	152626	Perylene-d12	24.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	246	C11H18O4S	1000197-55-6	46
2	Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	46
3	Sesquirosefuran	218	C15H22O	039007-93-7	46
4	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	35
5	1H-1,3a-Ethanopentalen-4-ol, hex...	152	C10H16O	117306-48-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081592.D
Acq On : 11 Sep 2015 19:56
Operator : UM/IZ
Sample : G3511-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

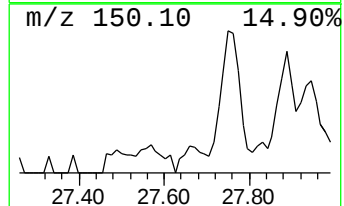
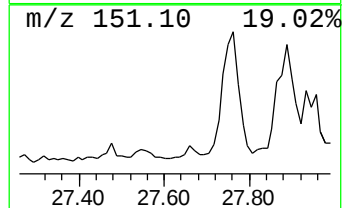
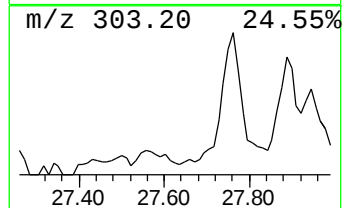
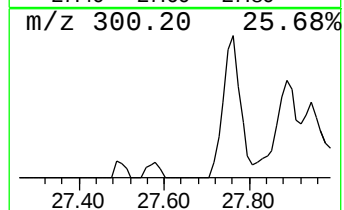
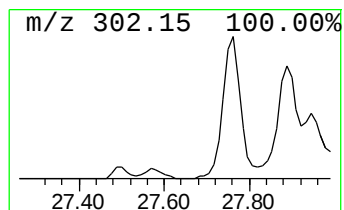
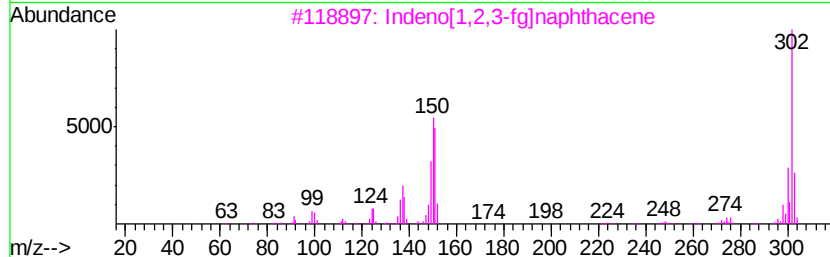
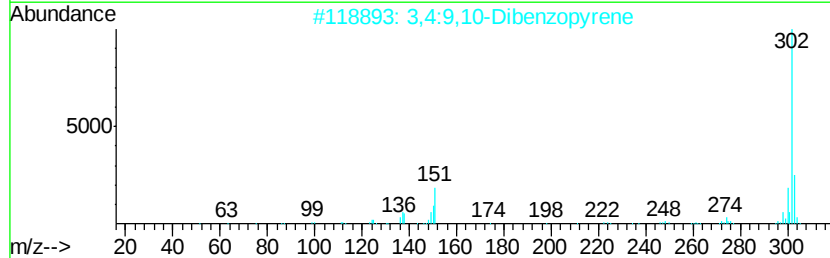
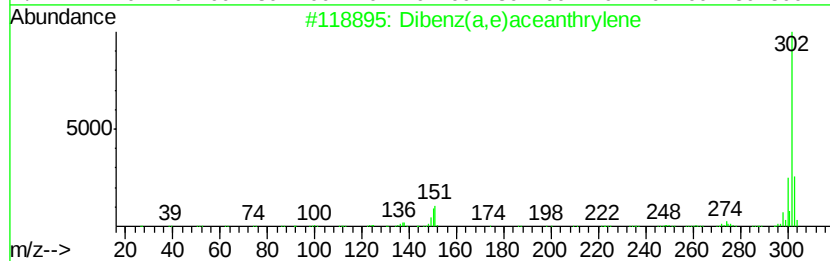
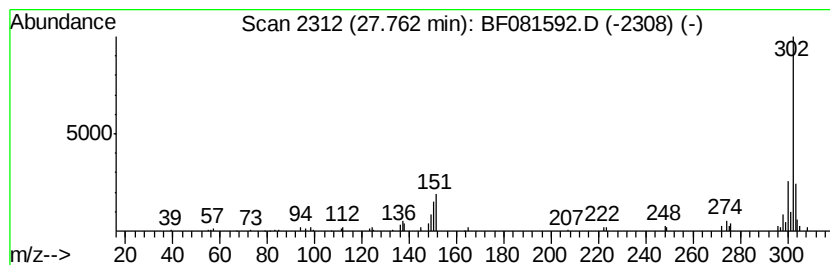
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.76	5.72 ng	130690	Perylene-d12	24.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
3			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95
4			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
5			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081592.D
 Acq On : 11 Sep 2015 19:56
 Operator : UM/IZ
 Sample : G3511-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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
2-Pentanone, 4-hy...	4.57	73.7	ng	1370330	1	8.25	372108	20.0
unknown7.77	7.77	104.6	ng	1946030	1	8.25	372108	20.0
Pentafluoropropio...	19.75	5.2	ng	116698	4	18.79	447861	20.0
Hexadecenoic acid...	20.45	10.8	ng	242106	4	18.79	447861	20.0
n-Hexadecanoic acid	20.56	20.9	ng	468484	4	18.79	447861	20.0
3-Heptadecene, (Z)-	24.66	15.1	ng	344490	6	24.84	457153	20.0
unknown25.08	25.08	6.0	ng	136016	6	24.84	457153	20.0
Dinaphtho[1,2-b:1...	25.48	5.0	ng	114001	6	24.84	457153	20.0
1,2:7,8-Dibenzoph...	26.01	8.3	ng	190010	6	24.84	457153	20.0
Benzo[b]triphenylene	26.06	7.9	ng	179908	6	24.84	457153	20.0
unknown26.29	26.29	11.7	ng	266862	6	24.84	457153	20.0
unknown26.99	26.99	5.3	ng	122123	6	24.84	457153	20.0
unknown27.66	27.66	6.7	ng	152626	6	24.84	457153	20.0
Dibenz(a,e)aceant...	27.76	5.7	ng	130690	6	24.84	457153	20.0