

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097367.D
 Acq On : 4 Aug 2017 20:35
 Operator : SJ/JU
 Sample : I4591-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

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-BF072517.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	4.575	470	474	489	rVB	337988	560320	19.81%	2.231%
2	5.039	550	553	571	rBV	2268377	2828742	100.00%	11.261%
3	6.116	732	736	749	rBV	2317555	2732649	96.60%	10.879%
4	6.216	749	753	759	rVB	2542651	2489373	88.00%	9.910%
5	6.439	787	791	795	rBV	756728	720798	25.48%	2.869%
6	6.592	813	817	827	rBV	2060944	1946485	68.81%	7.749%
7	7.010	884	888	891	rBV	1599058	1536469	54.32%	6.117%
8	7.057	894	896	901	rVB	30050	37202	1.32%	0.148%
9	7.245	924	928	935	rVB2	25495	30177	1.07%	0.120%
10	7.722	1005	1009	1018	rBV	1074208	1015628	35.90%	4.043%
11	8.163	1080	1084	1088	rVB	40918	39900	1.41%	0.159%
12	8.333	1109	1113	1116	rBV	36013	35531	1.26%	0.141%
13	8.433	1126	1130	1133	rBV	52251	43233	1.53%	0.172%
14	8.527	1143	1146	1149	rBV	36605	35111	1.24%	0.140%
15	8.798	1187	1192	1195	rBV	2512305	2302817	81.41%	9.168%
16	8.892	1204	1208	1214	rVB	53016	51592	1.82%	0.205%
17	9.198	1256	1260	1265	rVV	380899	375543	13.28%	1.495%
18	9.422	1294	1298	1300	rBV	53615	44299	1.57%	0.176%
19	9.463	1300	1305	1308	rBV	923427	897274	31.72%	3.572%
20	9.669	1333	1340	1344	rBV3	36937	54549	1.93%	0.217%
21	9.704	1344	1346	1350	rBV2	44906	47988	1.70%	0.191%
22	9.916	1379	1382	1385	rVB	82640	65972	2.33%	0.263%
23	10.133	1415	1419	1422	rBV	44551	56449	2.00%	0.225%
24	10.251	1434	1439	1445	rBV	1125299	1150910	40.69%	4.582%
25	10.386	1458	1462	1468	rBV3	101208	164444	5.81%	0.655%
26	10.533	1481	1487	1489	rBV4	18327	34344	1.21%	0.137%
27	10.827	1534	1537	1540	rVV2	88432	85095	3.01%	0.339%
28	10.857	1540	1542	1549	rVB	30588	34216	1.21%	0.136%
29	10.933	1551	1555	1557	rVV	851974	763461	26.99%	3.039%
30	10.957	1557	1559	1563	rVB	143318	124711	4.41%	0.496%
31	11.010	1563	1568	1573	rVB	49882	48671	1.72%	0.194%
32	11.251	1607	1609	1614	rBV2	49718	57160	2.02%	0.228%
33	11.433	1636	1640	1642	rBV	37800	39373	1.39%	0.157%
34	11.463	1642	1645	1647	rVB	54944	45249	1.60%	0.180%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.492	1647	1650	1656	rBV2	141506	186693	6.60%	0.743%
36	11.539	1656	1658	1661	rVV	59896	53022	1.87%	0.211%
37	11.657	1675	1678	1684	rVB3	40739	52172	1.84%	0.208%
38	11.727	1687	1690	1695	rBV2	38328	42100	1.49%	0.168%
39	11.910	1718	1721	1723	rBV2	33425	39412	1.39%	0.157%
40	11.980	1729	1733	1736	rBV	60893	65079	2.30%	0.259%
41	12.039	1741	1743	1746	rVB2	38003	29073	1.03%	0.116%
42	12.068	1746	1748	1755	rVB6	32138	51828	1.83%	0.206%
43	12.133	1756	1759	1763	rBV	217333	221720	7.84%	0.883%
44	12.186	1765	1768	1771	rBV3	27106	37861	1.34%	0.151%
45	12.268	1779	1782	1789	rBV3	72157	111146	3.93%	0.442%
46	12.357	1792	1797	1801	rBV	237670	289057	10.22%	1.151%
47	12.510	1819	1823	1827	rBV	1444485	1431750	50.61%	5.700%
48	12.692	1851	1854	1858	rVB3	45040	50680	1.79%	0.202%
49	12.762	1861	1866	1868	rBV2	56431	74498	2.63%	0.297%
50	12.792	1869	1871	1876	rVB3	35713	44843	1.59%	0.179%
51	13.304	1955	1958	1964	rBV7	44708	105965	3.75%	0.422%
52	13.433	1978	1980	1983	rBV3	42485	53487	1.89%	0.213%
53	13.551	1996	2000	2003	rBV2	693680	745203	26.34%	2.967%
54	13.898	2057	2059	2062	rBV3	65737	98967	3.50%	0.394%
55	14.404	2143	2145	2149	rBV3	58390	76760	2.71%	0.306%
56	14.545	2166	2169	2178	rVB	124925	187568	6.63%	0.747%
57	14.839	2217	2219	2223	rVB	89492	87458	3.09%	0.348%
58	14.892	2224	2228	2232	rVV	444011	487273	17.23%	1.940%

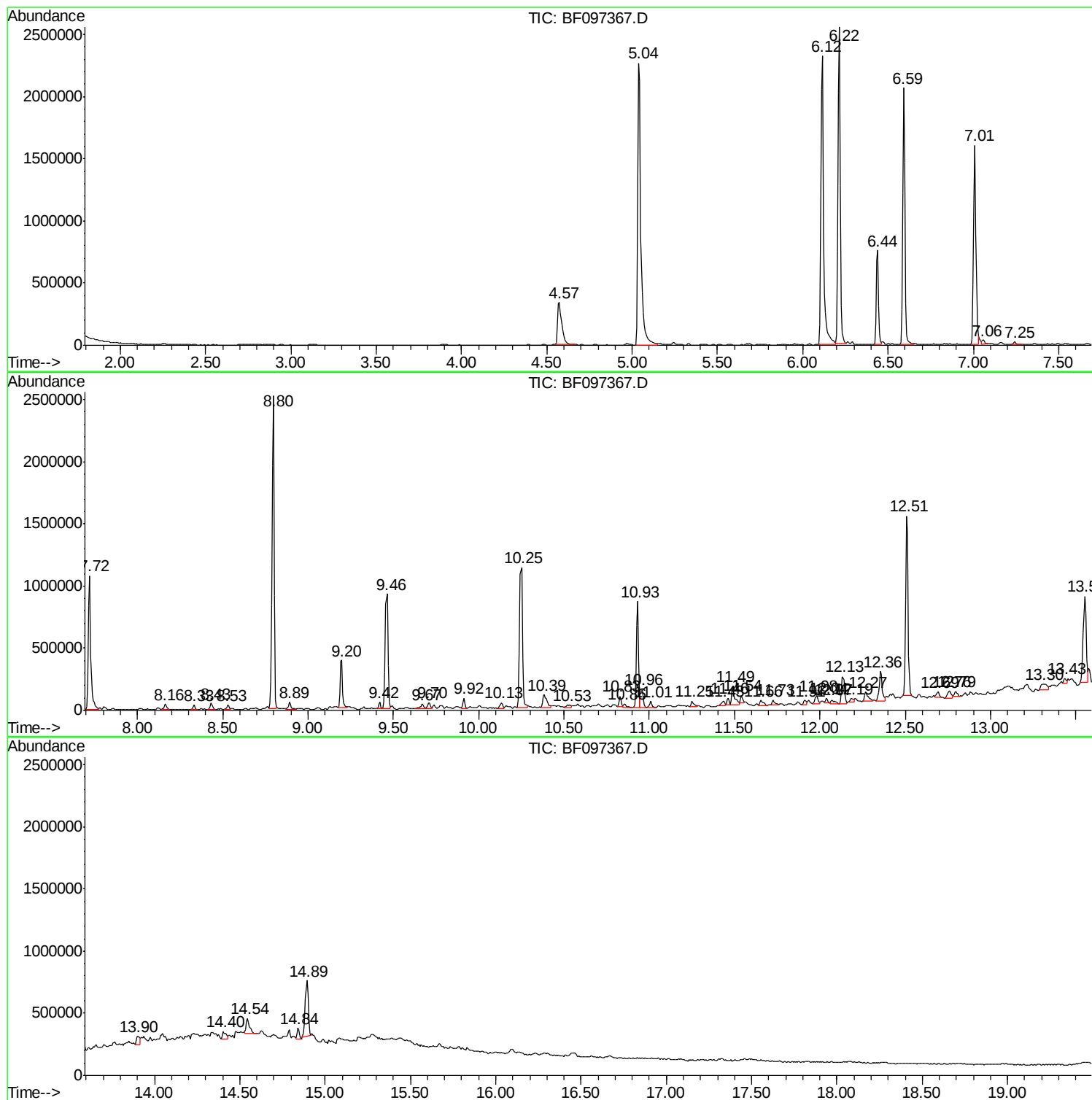
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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ClientSampleId :
GRAVEL-PILE

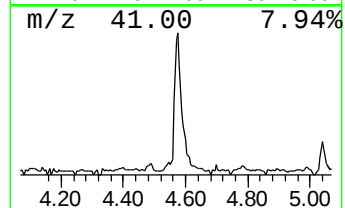
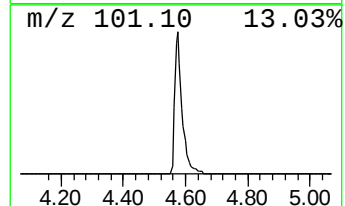
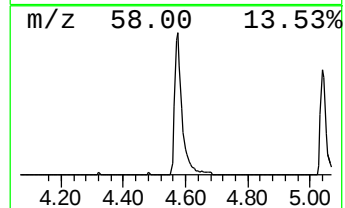
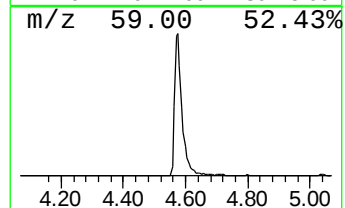
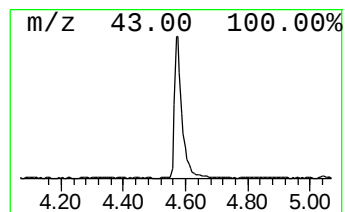
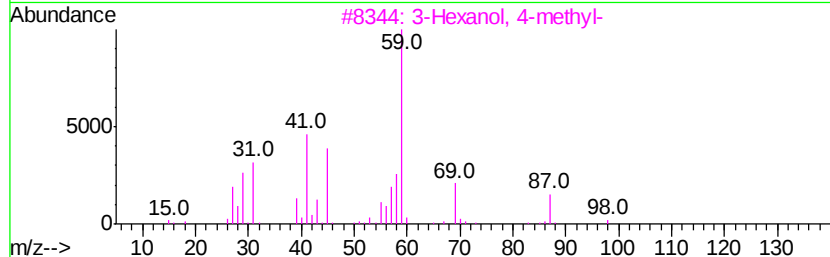
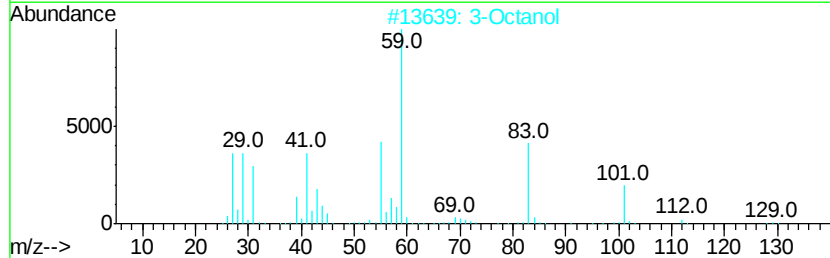
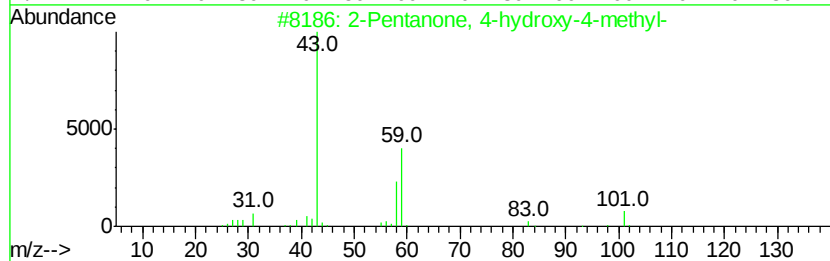
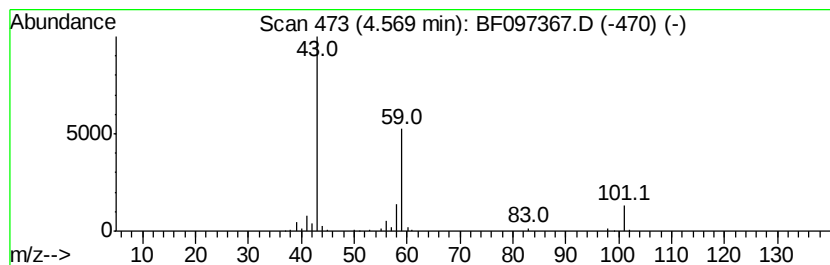
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	15.55 ng	560320	1,4-Dichlorobenzene-d4	6.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			3-Octanol	130	C8H18O	000589-98-0	33
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9



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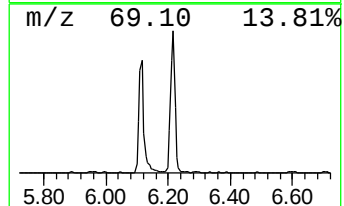
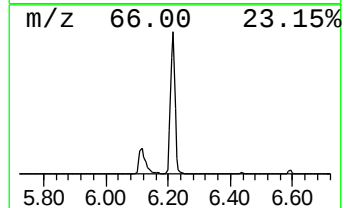
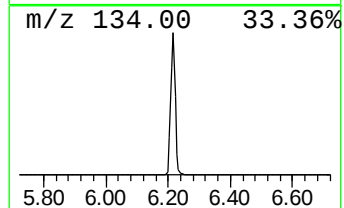
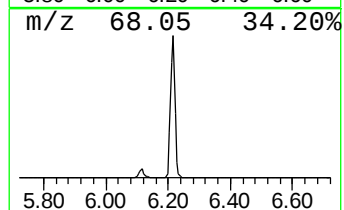
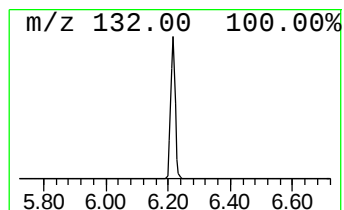
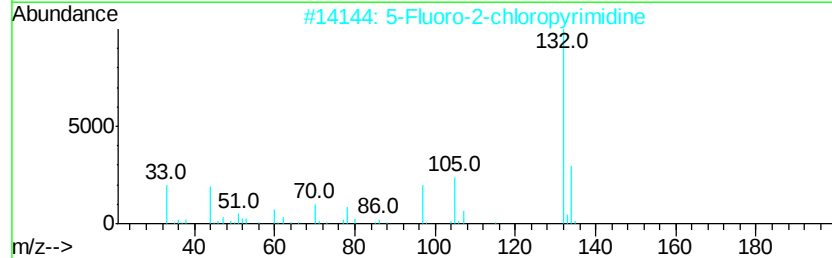
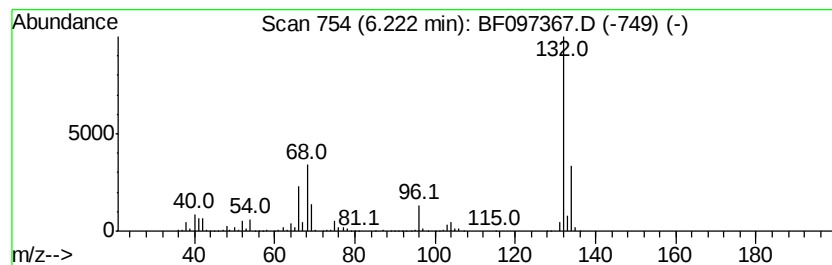
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	69.07 ng	2489370	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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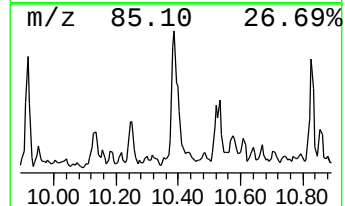
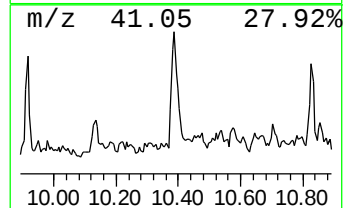
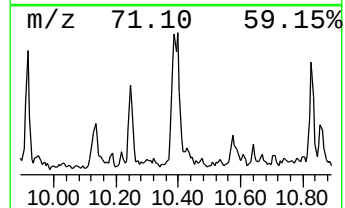
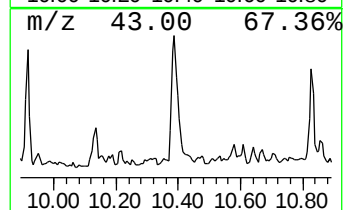
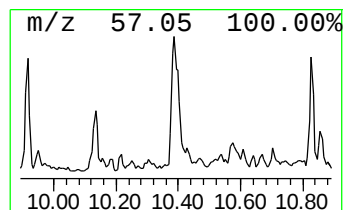
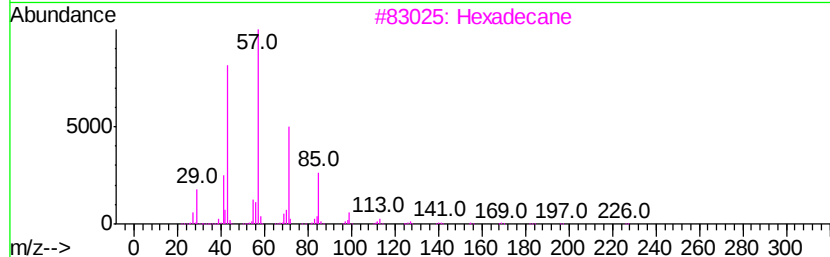
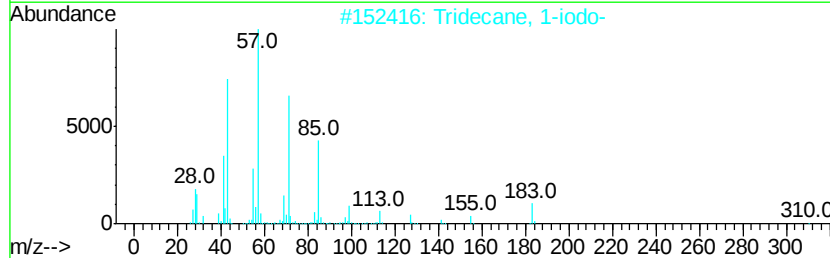
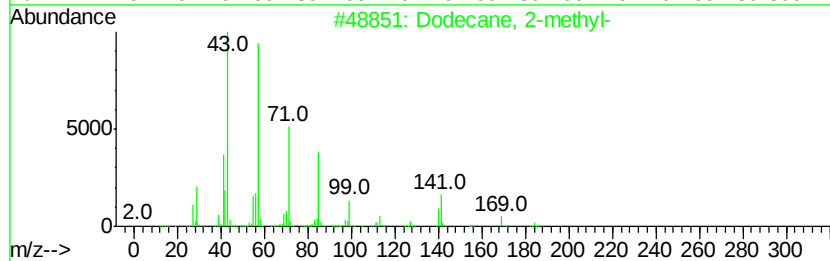
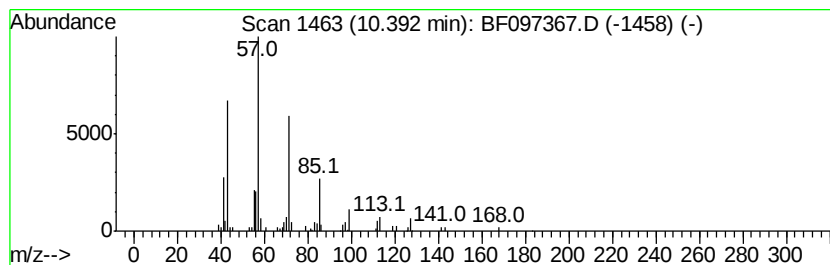
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dodecane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.39	4.31 ng	164444	Phenanthrene-d10	10.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	81
5	Tridecane	184	C13H28	000629-50-5	80



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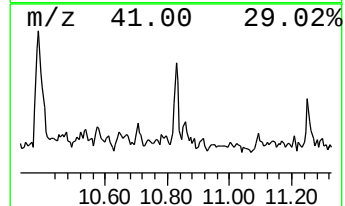
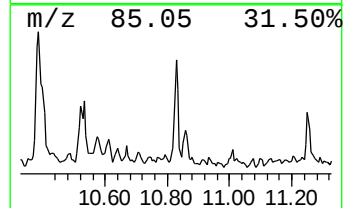
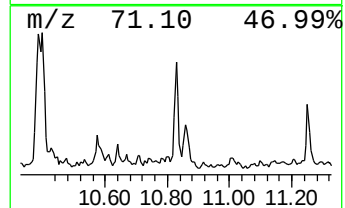
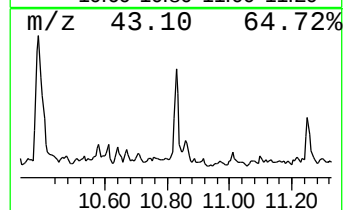
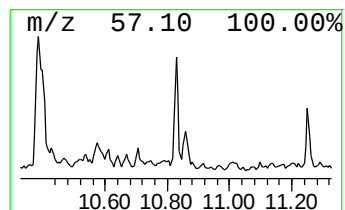
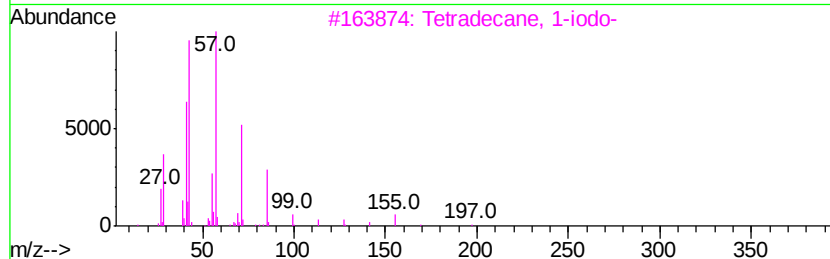
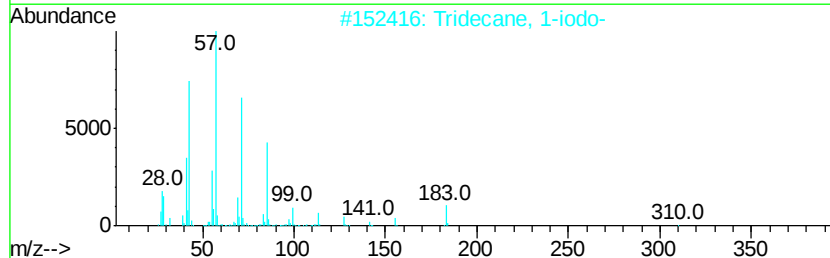
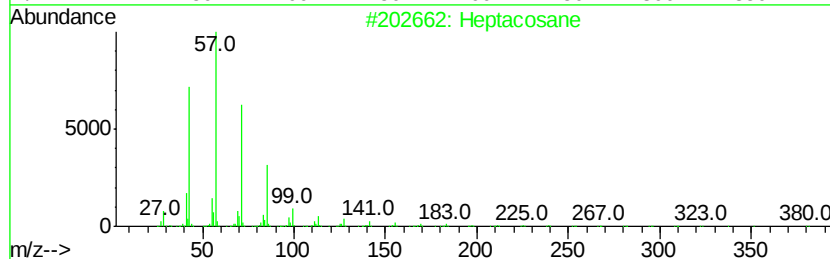
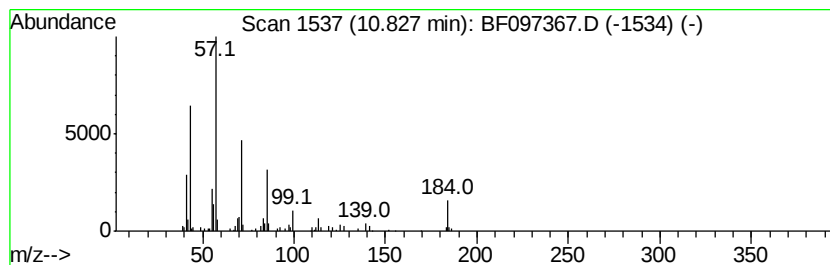
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	2.23 ng	85095	Phenanthrene-d10	10.93

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	72
2	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	64
3	Tetradecane, 1-iodo-		324	C14H29I	019218-94-1	64
4	Decane		142	C10H22	000124-18-5	64
5	Hexadecane		226	C16H34	000544-76-3	59



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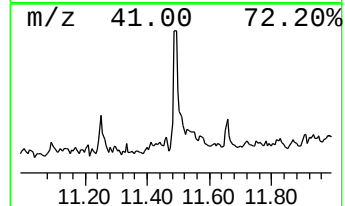
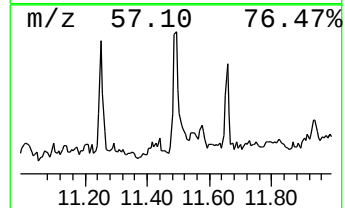
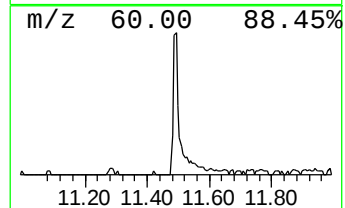
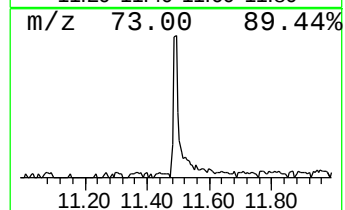
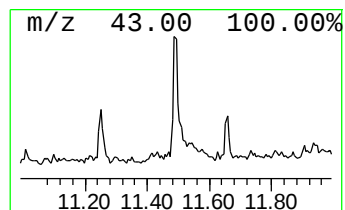
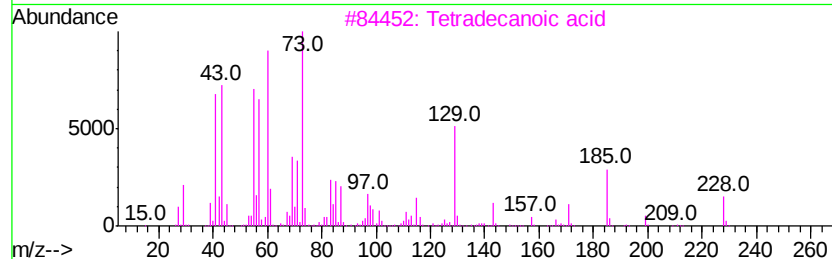
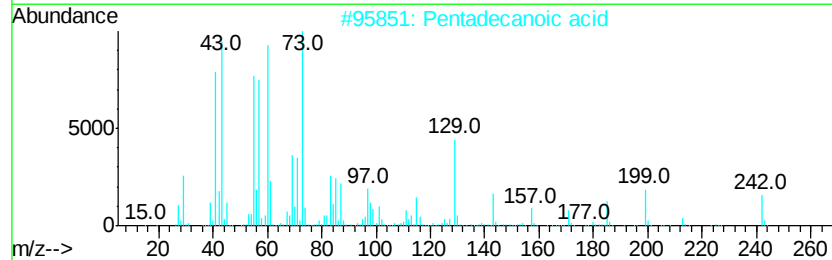
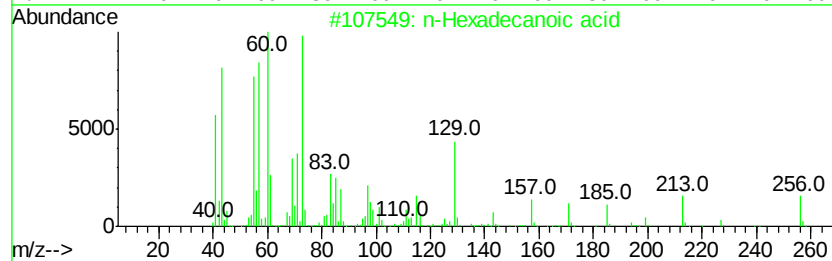
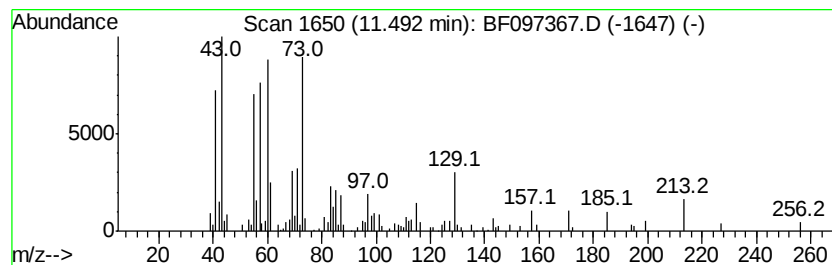
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ClientSampleId :
GRAVEL-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.49	4.89 ng	186693	Phenanthrene-d10		10.93
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097367.D
Acq On : 4 Aug 2017 20:35
Operator : SJ/JU
Sample : I4591-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

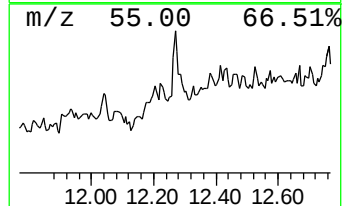
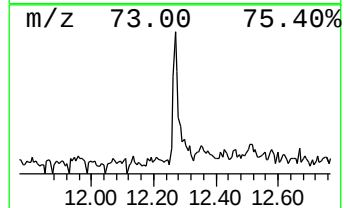
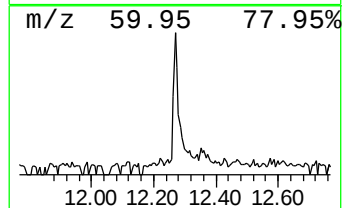
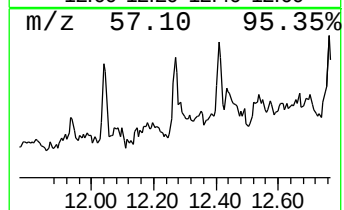
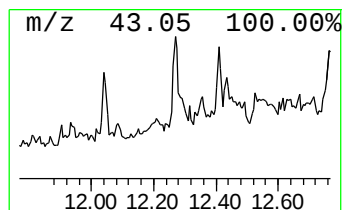
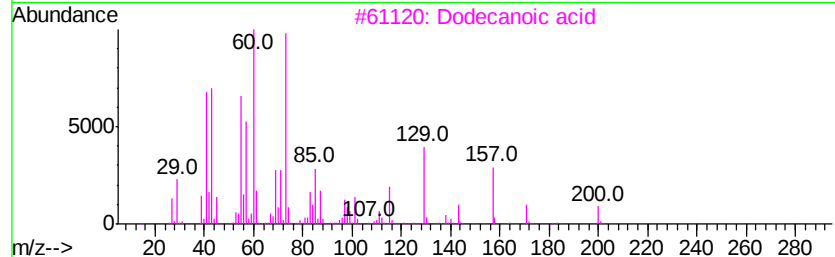
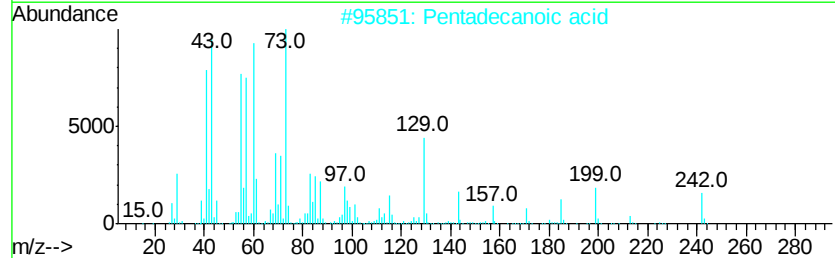
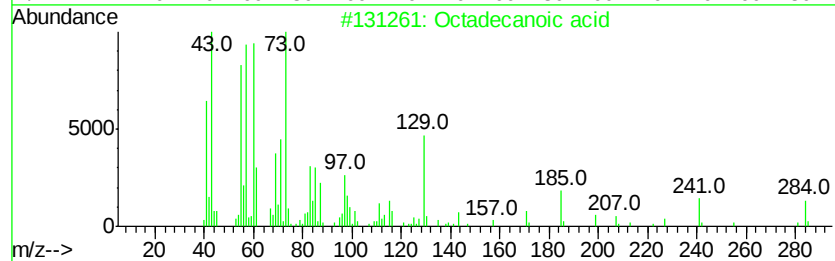
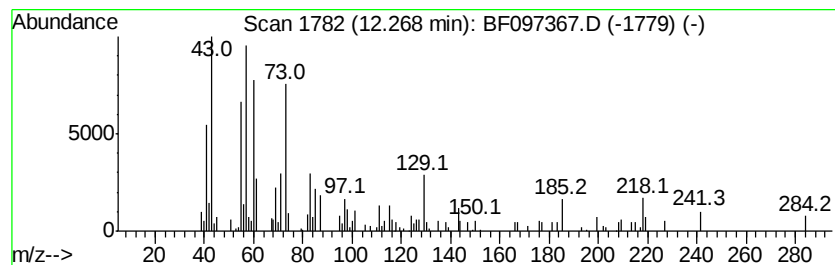
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.27	2.98 ng	111146	Chrysene-d12		13.55
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
3	Dodecanoic acid	200	C12H24O2	000143-07-7	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097367.D
Acq On : 4 Aug 2017 20:35
Operator : SJ/JU
Sample : I4591-04
Misc :
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Instrument :
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ClientSampleId :
GRAVEL-PILE

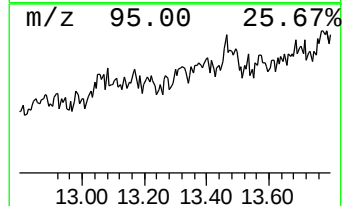
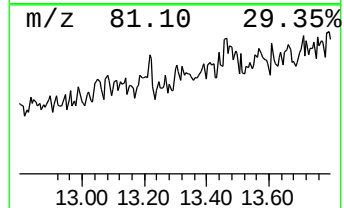
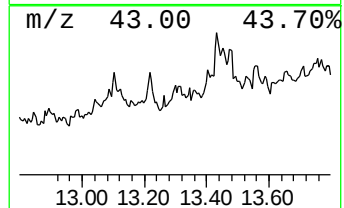
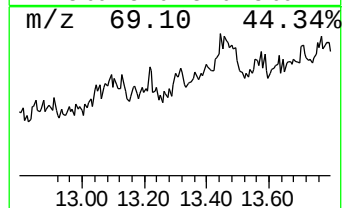
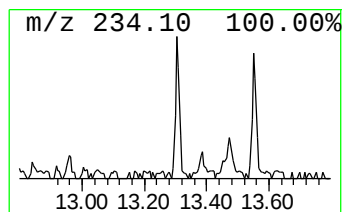
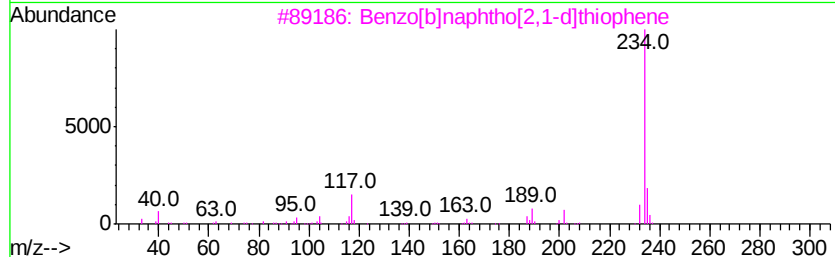
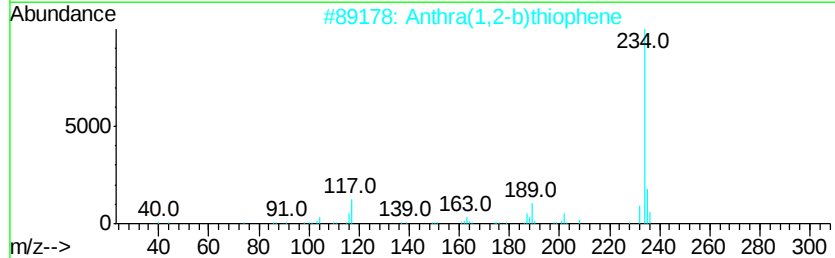
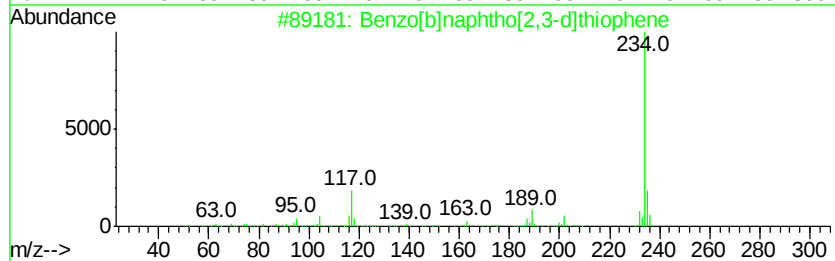
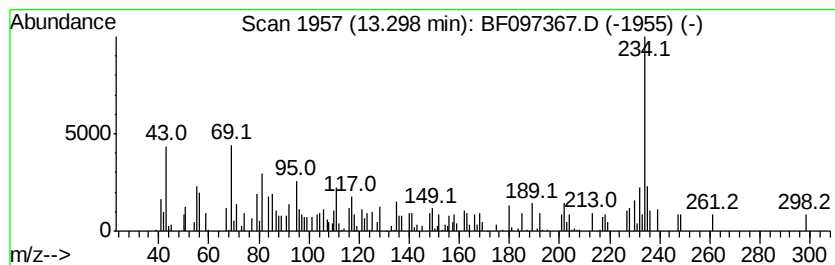
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.84 ng	105965	Chrysene-d12	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
2		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	81
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
4		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	74
5		1-(1-methyl-1-silacyclobutyl-1)-...	262	C14H22OSi2	180424-53-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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Acq On : 4 Aug 2017 20:35
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Sample : I4591-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

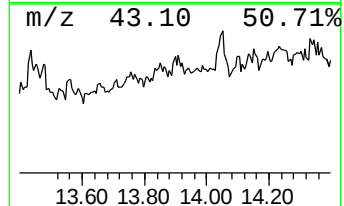
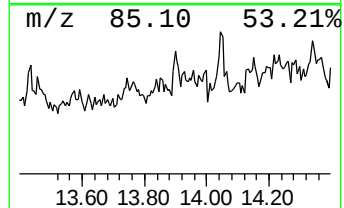
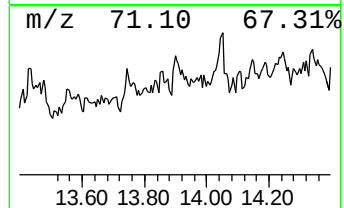
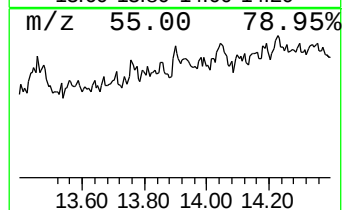
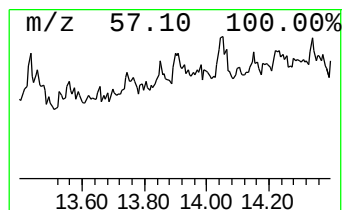
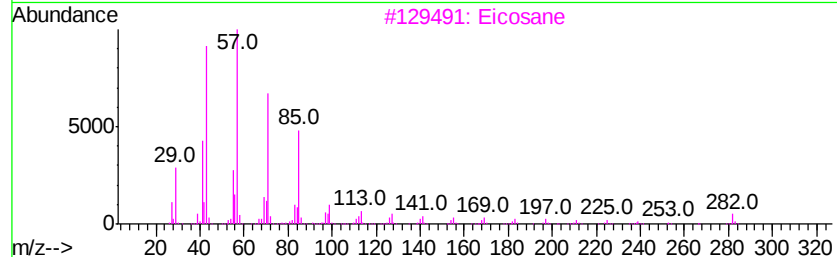
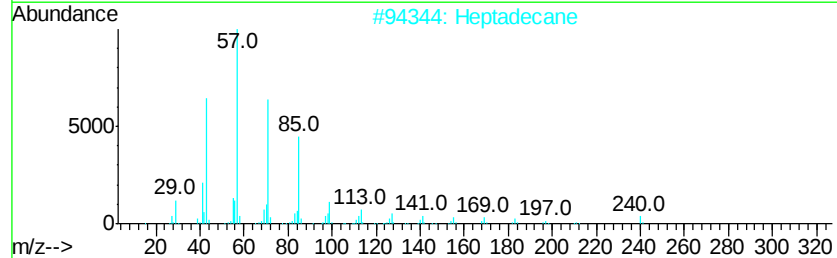
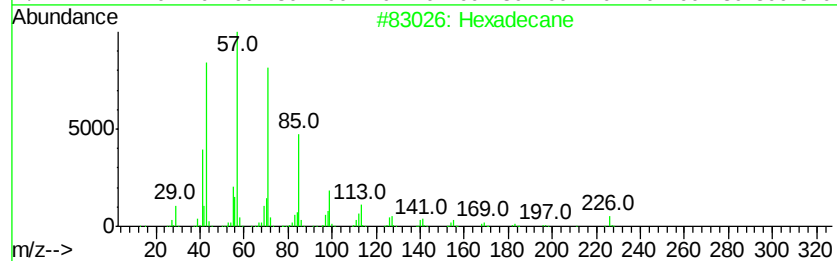
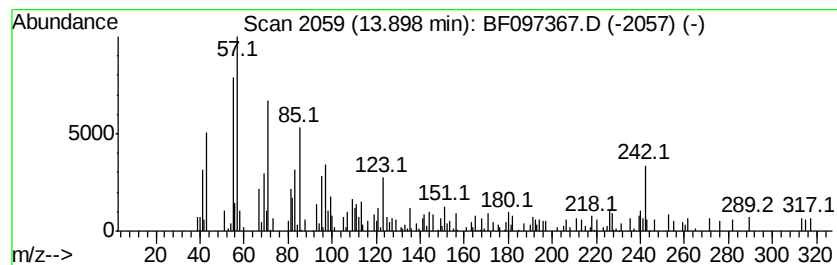
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	2.66 ng	98967	Chrysene-d12	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	52
2	Heptadecane		240	C17H36	000629-78-7	50
3	Eicosane		282	C20H42	000112-95-8	46
4	Nonahexacontanoic acid		999	C69H138O2	040710-32-5	35
5	Undecane		156	C11H24	001120-21-4	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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Operator : SJ/JU
Sample : I4591-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

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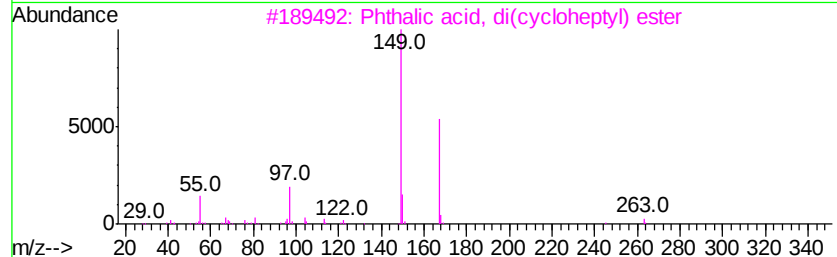
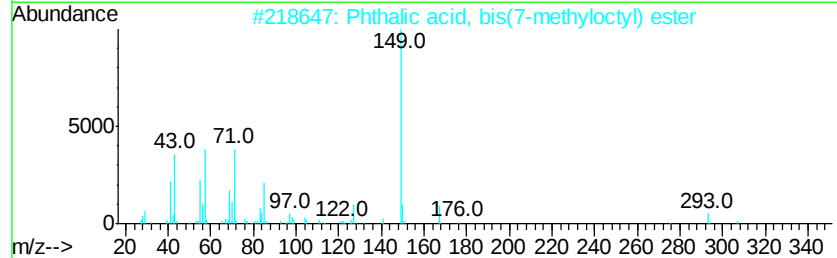
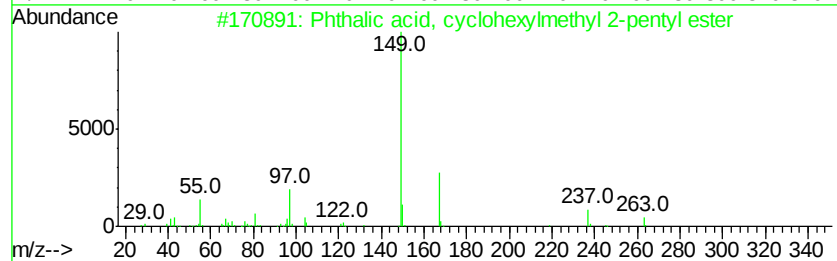
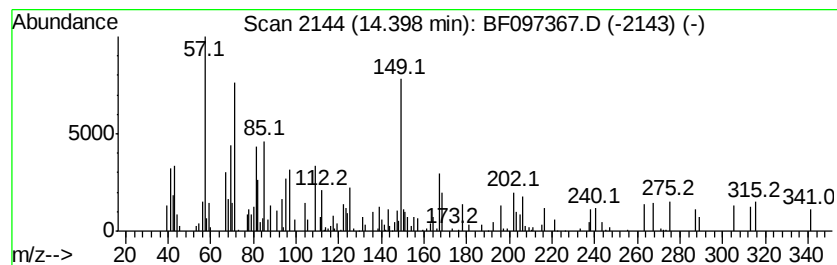
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

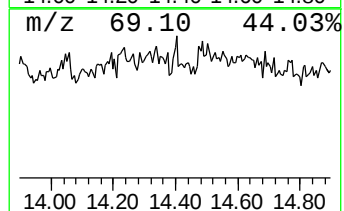
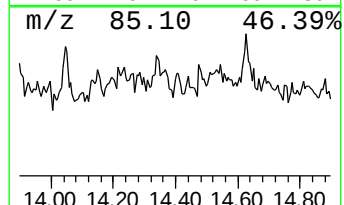
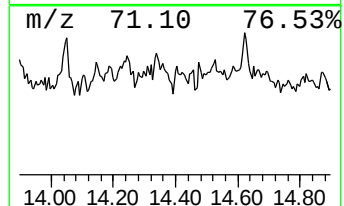
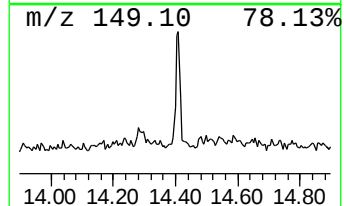
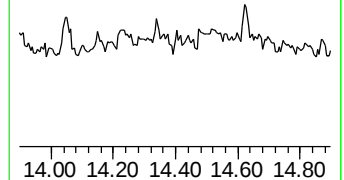
Peak Number 10 Phthalic acid, cyclohexylme... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.15 ng	76760	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, cvclohexvlmethyl ...	332	C20H28O4	1000315-55-5	50
2		Phthalic acid, bis(7-methyloctyl...)	418	C26H42O4	020548-62-3	50
3		Phthalic acid, di(cvcloheptvl) e...	358	C22H30O4	1000322-83-7	50
4		Phthalic acid, di(4-methylpent-2...	334	C20H30O4	1000356-88-6	50
5		Didecyl phthalate	446	C28H46O4	000084-77-5	50



m/z 57.10 100.00%



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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BNA_F
ClientSampleId :
GRAVEL-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.57	15.6	ng	560320	1	6.44	720798	20.0
unknown6.22	6.22	69.1	ng	2489370	1	6.44	720798	20.0
Dodecane, 2-methyl-	10.39	4.3	ng	164444	4	10.93	763461	20.0
Heptacosane	10.83	2.2	ng	85095	4	10.93	763461	20.0
n-Hexadecanoic acid	11.49	4.9	ng	186693	4	10.93	763461	20.0
Octadecanoic acid	12.27	3.0	ng	111146	5	13.55	745203	20.0
Benzo[b]naphtho[2...	13.30	2.8	ng	105965	5	13.55	745203	20.0
Hexadecane	13.90	2.7	ng	98967	5	13.55	745203	20.0
Phthalic acid, cy...	14.40	3.1	ng	76760	6	14.89	487273	20.0