

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083536.D
 Acq On : 7 Dec 2015 1:17
 Operator : UM/IZ
 Sample : G4594-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K209-33-33.5

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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	3.573	162	165	179	rVB	847943	1713106	27.02%	2.204%
2	4.007	201	203	222	rBV	4376094	5655078	89.18%	7.276%
3	5.299	312	316	318	rBV	4122557	6340976	100.00%	8.159%
4	5.424	325	327	330	rBV	4100646	5766696	90.94%	7.420%
5	5.733	351	354	360	rBV	851081	1063960	16.78%	1.369%
6	5.824	360	362	370	rVB4	44832	107800	1.70%	0.139%
7	5.950	370	373	376	rBV	3050769	3724870	58.74%	4.793%
8	6.110	385	387	395	rVB	98720	174764	2.76%	0.225%
9	6.567	423	427	429	rBV	2321500	3740377	58.99%	4.813%
10	6.853	448	452	454	rBV	84574	179552	2.83%	0.231%
11	7.264	483	488	492	rBV3	56962	132030	2.08%	0.170%
12	7.344	492	495	499	rVV2	35041	119773	1.89%	0.154%
13	7.630	518	520	523	rBV	1011638	1439801	22.71%	1.853%
14	8.099	559	561	569	rVB	45985	110648	1.74%	0.142%
15	8.362	580	584	586	rBV	62079	112621	1.78%	0.145%
16	8.773	616	620	623	rBV3	63061	134966	2.13%	0.174%
17	8.922	630	633	637	rBV	721627	968161	15.27%	1.246%
18	9.379	669	673	676	rBV	3497439	4700769	74.13%	6.048%
19	9.676	695	699	706	rBV3	62246	217841	3.44%	0.280%
20	9.779	706	708	712	rBV	124996	169094	2.67%	0.218%
21	9.893	715	718	721	rBV	294895	463515	7.31%	0.596%
22	9.939	721	722	727	rVB	65999	93395	1.47%	0.120%
23	10.065	730	733	742	rVB	897487	1399715	22.07%	1.801%
24	10.213	742	746	748	rBV2	129511	239223	3.77%	0.308%
25	10.419	761	764	767	rBV	1076967	1618645	25.53%	2.083%
26	10.476	768	769	773	rVB	133162	151482	2.39%	0.195%
27	10.796	793	797	799	rBV2	51299	105325	1.66%	0.136%
28	10.853	799	802	807	rVB3	56682	96997	1.53%	0.125%
29	10.968	811	812	815	rVB	70303	95223	1.50%	0.123%
30	11.116	821	825	829	rBV	41079	108255	1.71%	0.139%
31	11.265	835	838	841	rBV2	108694	197360	3.11%	0.254%
32	11.402	847	850	853	rBV3	37579	91942	1.45%	0.118%
33	11.631	864	870	872	rBV3	69223	179967	2.84%	0.232%
34	11.711	874	877	880	rBV	2654157	3721362	58.69%	4.788%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.042	902	906	910	rBV2	125317	345506	5.45%	0.445%
36	12.202	918	920	924	rVV2	70200	189468	2.99%	0.244%
37	12.339	928	932	935	rBV3	56994	144916	2.29%	0.186%
38	12.454	940	942	945	rBV	74913	133368	2.10%	0.172%
39	12.511	945	947	954	rVB3	40780	94026	1.48%	0.121%
40	12.739	964	967	969	rBV	188732	260391	4.11%	0.335%
41	12.819	972	974	976	rBV	1176817	1604235	25.30%	2.064%
42	12.854	976	977	981	rVB	573643	672877	10.61%	0.866%
43	12.945	982	985	991	rVB	243956	378120	5.96%	0.487%
44	13.071	991	996	999	rBV	265995	444574	7.01%	0.572%
45	13.254	1007	1012	1015	rBV	235878	364349	5.75%	0.469%
46	13.345	1017	1020	1025	rVB3	398442	702605	11.08%	0.904%
47	13.448	1026	1029	1033	rVB2	120996	238190	3.76%	0.306%
48	13.551	1035	1038	1041	rVB	266123	337051	5.32%	0.434%
49	13.654	1044	1047	1049	rBV	215753	324337	5.11%	0.417%
50	13.699	1049	1051	1055	rBV3	302519	661019	10.42%	0.851%
51	13.779	1055	1058	1059	rVV2	155382	236439	3.73%	0.304%
52	13.814	1059	1061	1063	rVV	269726	368462	5.81%	0.474%
53	13.871	1063	1066	1069	rVV2	390158	717366	11.31%	0.923%
54	13.962	1072	1074	1075	rBV	81281	109479	1.73%	0.141%
55	13.997	1075	1077	1079	rVB	82427	114779	1.81%	0.148%
56	14.145	1085	1090	1093	rBV3	212531	665336	10.49%	0.856%
57	14.351	1105	1108	1109	rBV2	74864	153057	2.41%	0.197%
58	14.545	1124	1125	1128	rVV2	171984	301566	4.76%	0.388%
59	14.602	1128	1130	1132	rVV	290771	412979	6.51%	0.531%
60	14.682	1135	1137	1144	rBV2	1483167	2460770	38.81%	3.166%
61	14.785	1144	1146	1150	rVB	281292	410895	6.48%	0.529%
62	14.899	1154	1156	1159	rBV3	187544	264663	4.17%	0.341%
63	14.945	1159	1160	1164	rVB3	55304	118309	1.87%	0.152%
64	15.037	1164	1168	1170	rBV3	123357	285567	4.50%	0.367%
65	15.139	1174	1177	1183	rBV	524932	1158297	18.27%	1.490%
66	15.300	1188	1191	1193	rBV2	378368	599664	9.46%	0.772%
67	15.380	1196	1198	1200	rVV	91585	152543	2.41%	0.196%
68	15.448	1200	1204	1207	rVV	2742063	4747764	74.87%	6.109%
69	15.540	1209	1212	1214	rBV2	102953	195253	3.08%	0.251%
70	15.665	1220	1223	1225	rBV3	38917	94981	1.50%	0.122%
71	15.711	1225	1227	1233	rVB3	103536	203952	3.22%	0.262%

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72	15.814	1233	1236	1239	rBV	126835	191808	3.02%	0.247%
73	15.871	1239	1241	1243	rBV	72363	111092	1.75%	0.143%
74	15.962	1247	1249	1251	rVB	132708	165911	2.62%	0.213%
75	16.008	1251	1253	1255	rVB	112316	138855	2.19%	0.179%
76	16.054	1255	1257	1263	rVB2	71313	158179	2.49%	0.204%
77	16.180	1263	1268	1273	rBV	1486552	3422188	53.97%	4.403%
78	16.260	1273	1275	1278	rVV2	267279	646336	10.19%	0.832%
79	16.340	1280	1282	1287	rVV3	158539	289838	4.57%	0.373%
80	16.442	1288	1291	1292	rVV	182749	285550	4.50%	0.367%
81	16.477	1292	1294	1295	rVV	76368	135888	2.14%	0.175%
82	16.511	1295	1297	1298	rVV	179190	270805	4.27%	0.348%
83	16.534	1298	1299	1302	rVB	218911	262409	4.14%	0.338%
84	16.614	1302	1306	1308	rVB3	75369	177983	2.81%	0.229%
85	16.671	1308	1311	1312	rBV2	77240	125162	1.97%	0.161%
86	16.808	1320	1323	1326	rVB2	105762	184696	2.91%	0.238%
87	16.957	1333	1336	1339	rBV2	409674	1022324	16.12%	1.315%
88	17.014	1339	1341	1344	rBV2	1068902	1522998	24.02%	1.960%
89	17.128	1349	1351	1353	rVV	121006	149156	2.35%	0.192%
90	17.391	1371	1374	1376	rVB	168242	260282	4.10%	0.335%
91	17.551	1385	1388	1390	rVV	129680	179718	2.83%	0.231%
92	17.768	1404	1407	1413	rVB2	132156	361783	5.71%	0.465%
93	18.111	1435	1437	1441	rVB3	60684	95246	1.50%	0.123%
94	18.180	1441	1443	1446	rVB	83822	102430	1.62%	0.132%
95	18.283	1450	1452	1460	rVB2	106629	264627	4.17%	0.340%
96	18.443	1464	1466	1469	rBV	60954	95246	1.50%	0.123%
97	18.546	1474	1475	1478	rBV	58093	92936	1.47%	0.120%
98	18.603	1478	1480	1482	rVV	120846	150771	2.38%	0.194%
99	18.648	1482	1484	1490	rVV	705853	950000	14.98%	1.222%
100	19.151	1526	1528	1532	rVB2	60960	103557	1.63%	0.133%

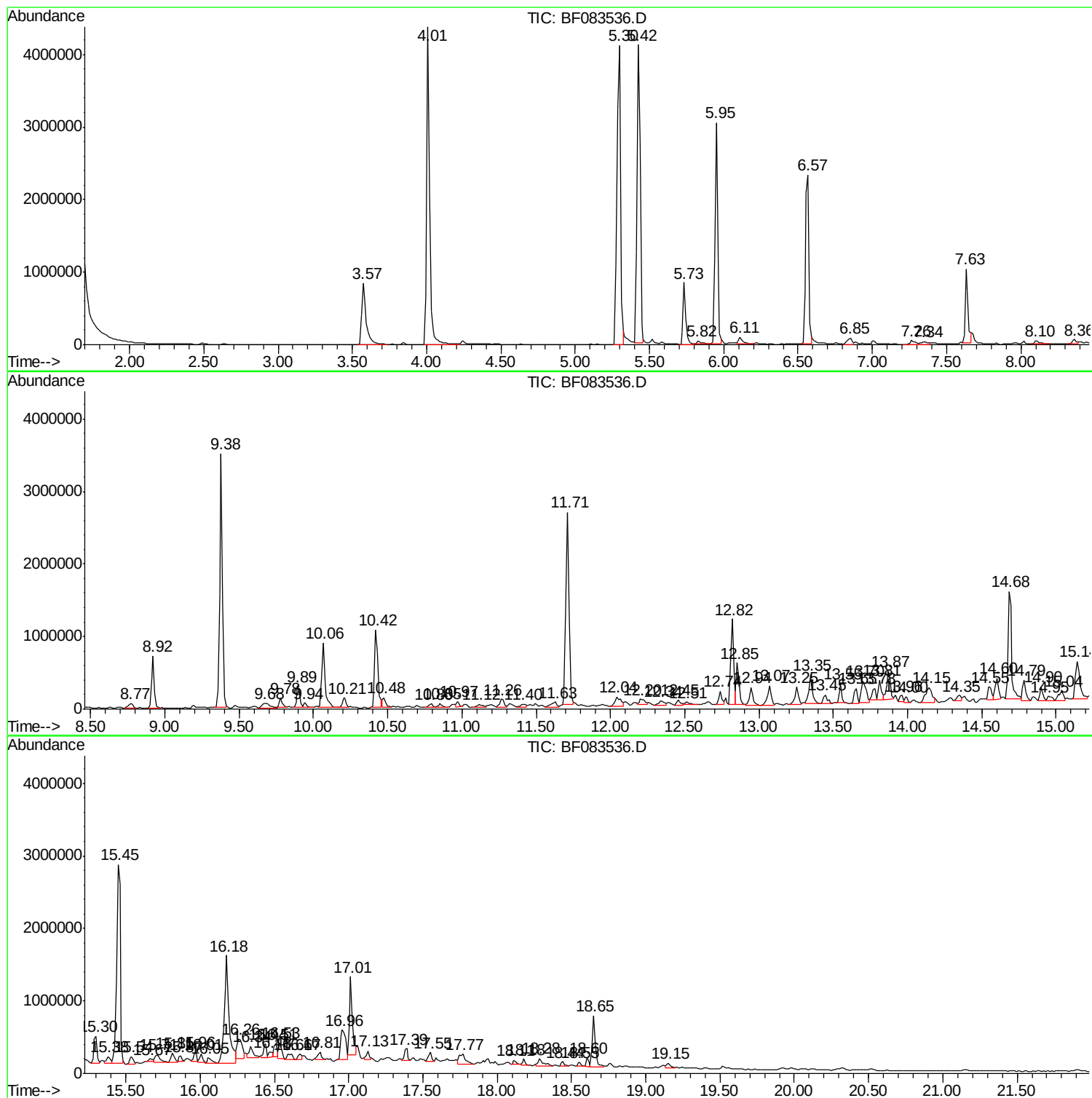
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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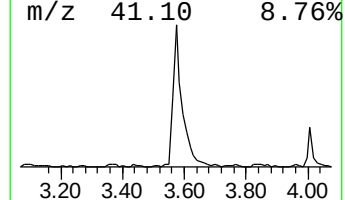
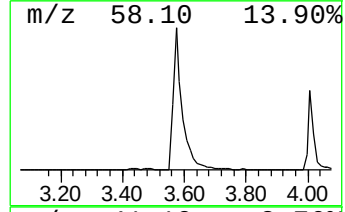
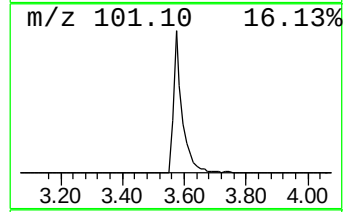
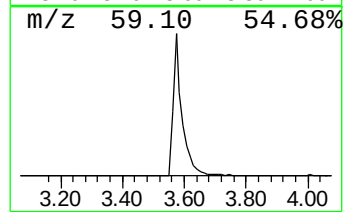
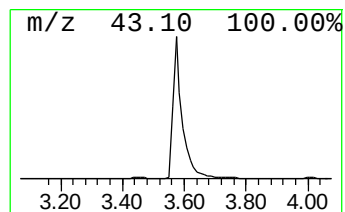
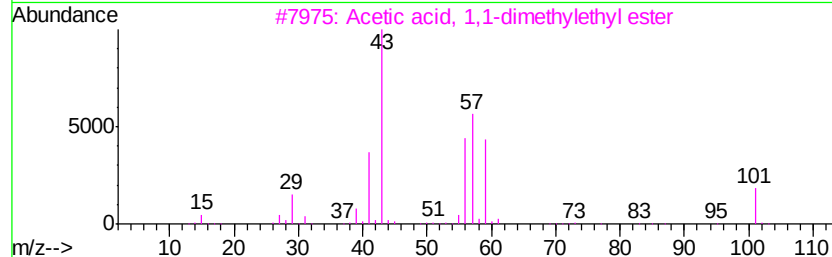
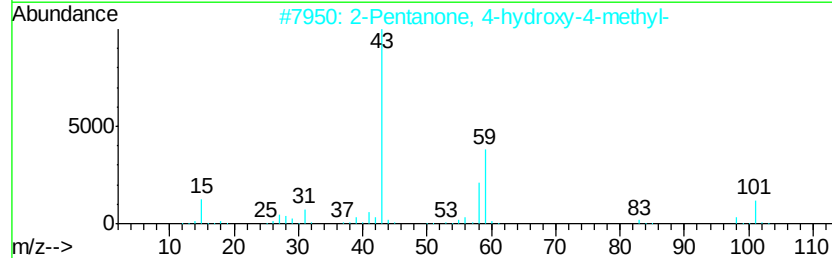
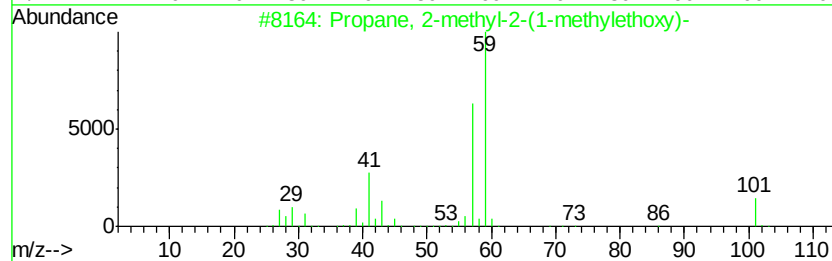
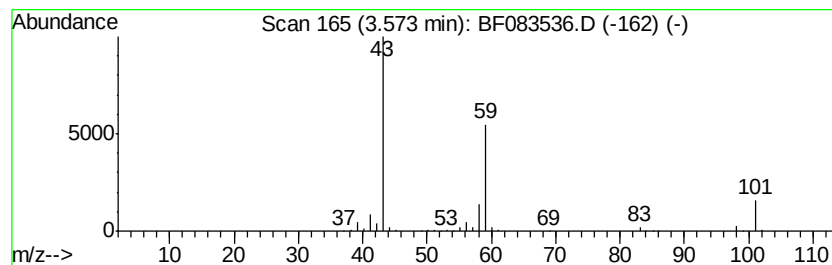
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2-methyl-2-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.57	32.20 ng	1713110	1,4-Dichlorobenzene-d4	5.73
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Propane, 2-methyl-2-(1-methyleth...	116 C7H16O	017348-59-3	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116 C6H12O2	000123-42-2	50
3	Acetic acid, 1,1-dimethylethyl e...	116 C6H12O2	000540-88-5	39
4	3-Hexanol, 4-methyl-	116 C7H16O	000615-29-2	33
5	2-Hexanol, 2-methyl-	116 C7H16O	000625-23-0	33



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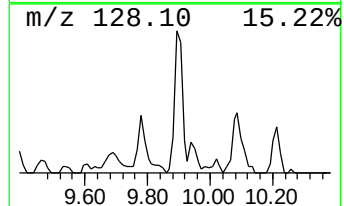
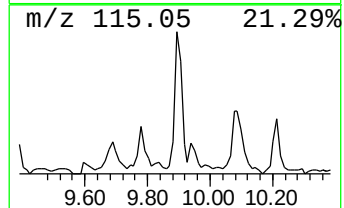
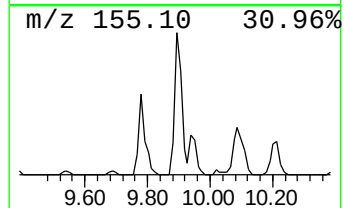
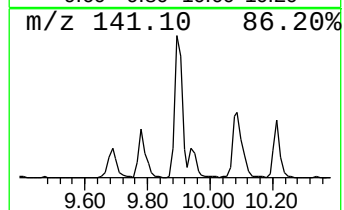
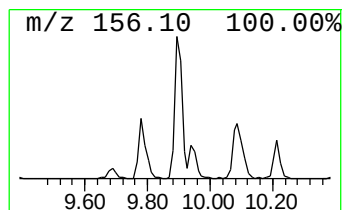
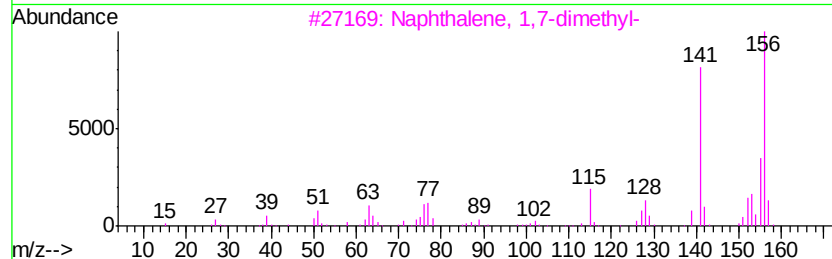
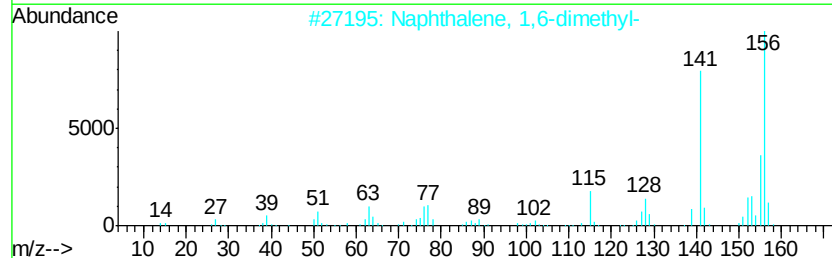
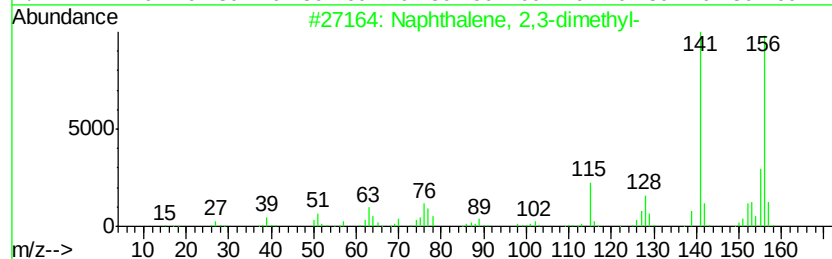
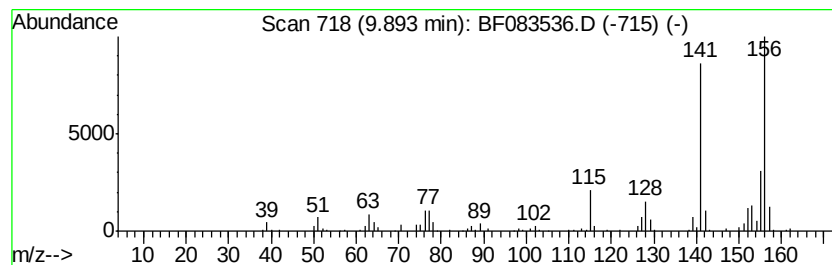
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	5.73 ng	463515	Acenaphthene-d10	10.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



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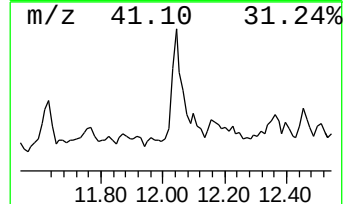
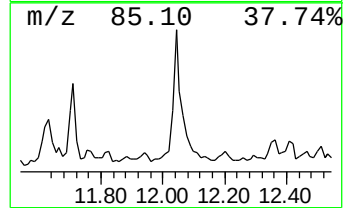
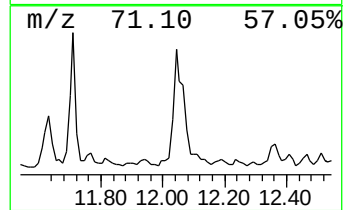
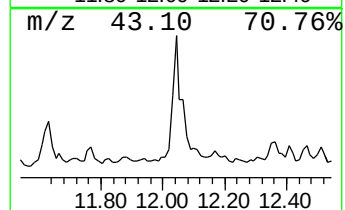
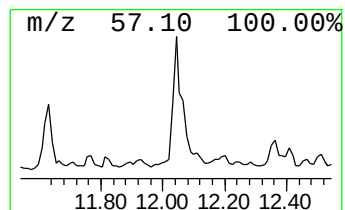
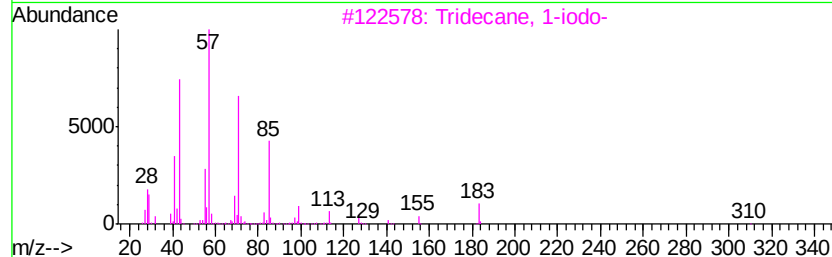
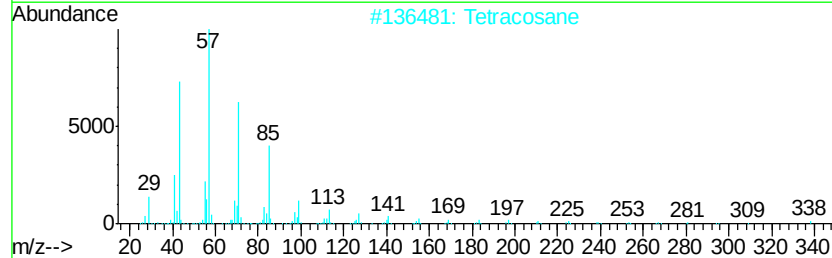
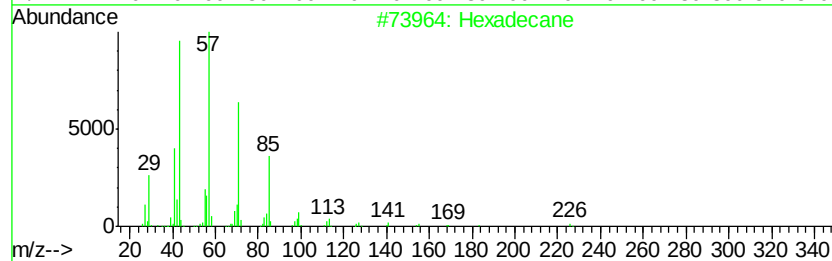
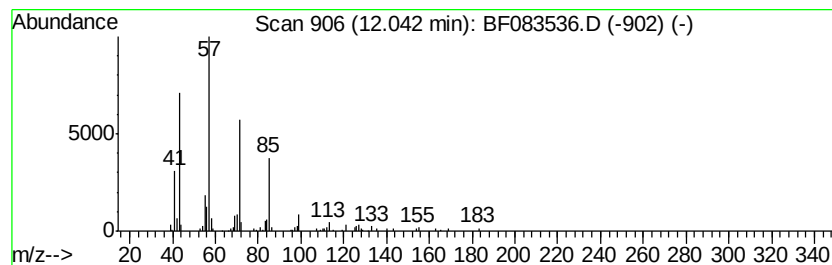
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Peak Number 6 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.04	4.31 ng	345506	Phenanthrene-d10		12.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetracosane	338	C24H50	000646-31-1	83
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
4	Heptacosane	380	C27H56	000593-49-7	80
5	Octadecane	254	C18H38	000593-45-3	78



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Operator : UM/IZ
Sample : G4594-10
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ClientSampleId :
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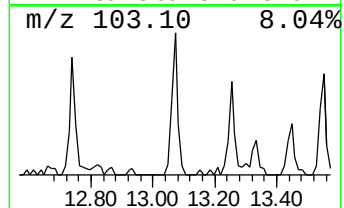
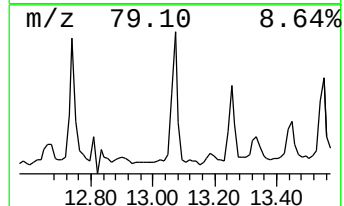
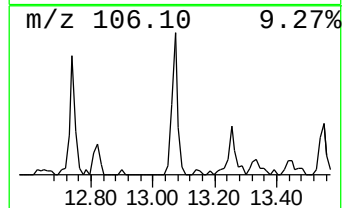
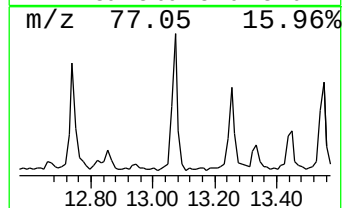
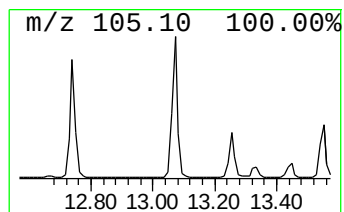
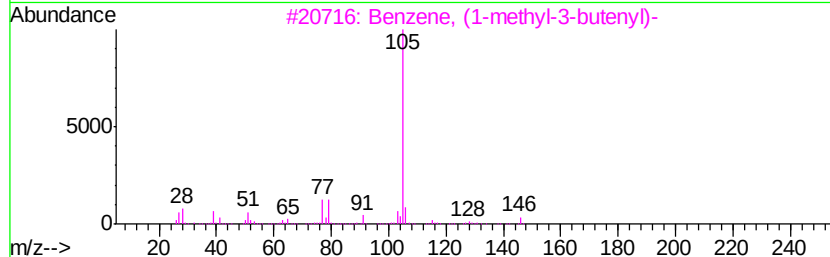
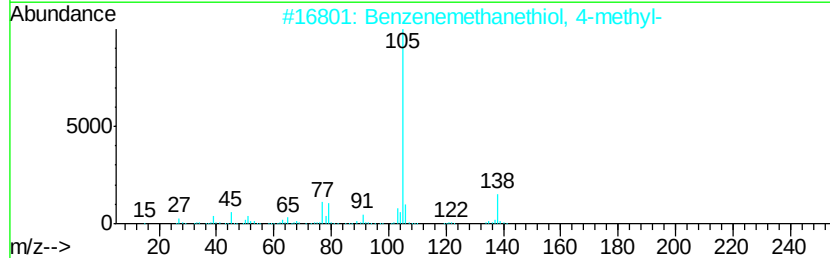
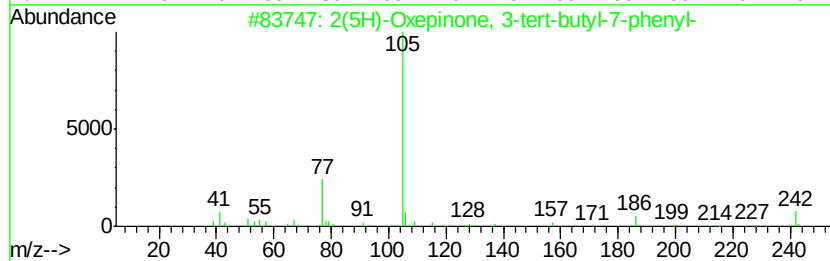
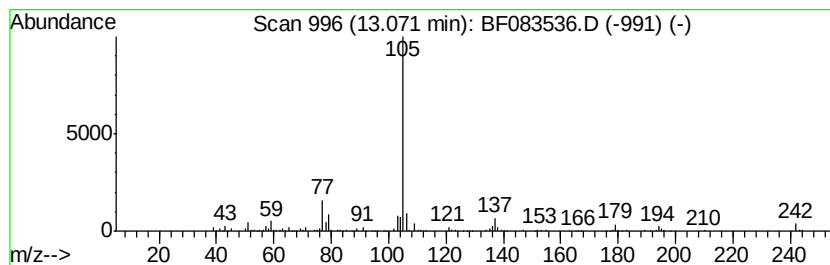
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2(5H)-Oxepinone, 3-tert-but... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	5.54 ng	444574	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(5H)-Oxepinone, 3-tert-butyl-7-...	242	C16H18O2	1000142-27-9	58
2		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	50
3		Benzene, (1-methyl-3-butenyl)-	146	C11H14	010340-49-5	50
4		Benzene, 1,1'-(1,2-ethanedivyl)bi...	210	C16H18	000538-39-6	50
5		Benzene, 1,1'-(1,2-ethanedivyl)bi...	210	C16H18	000952-80-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083536.D
Acq On : 7 Dec 2015 1:17
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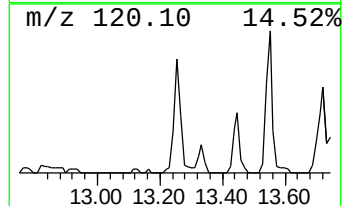
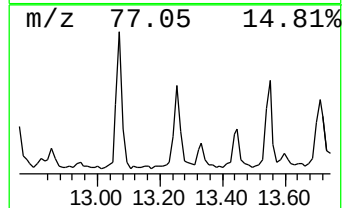
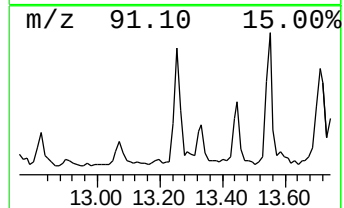
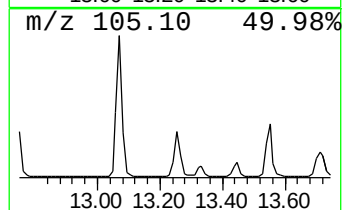
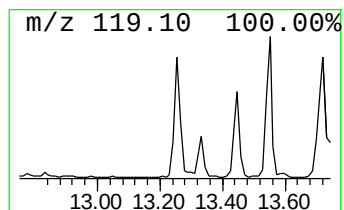
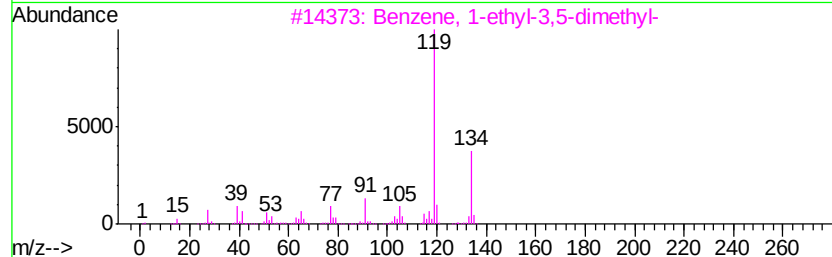
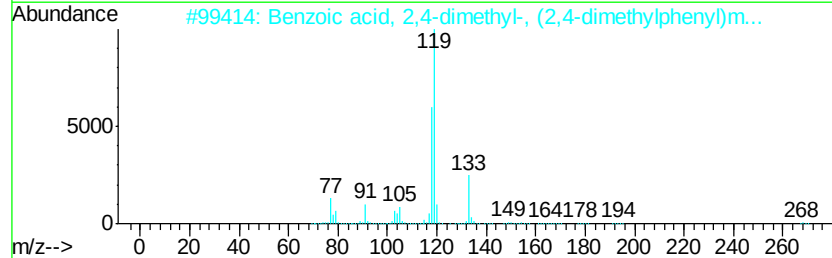
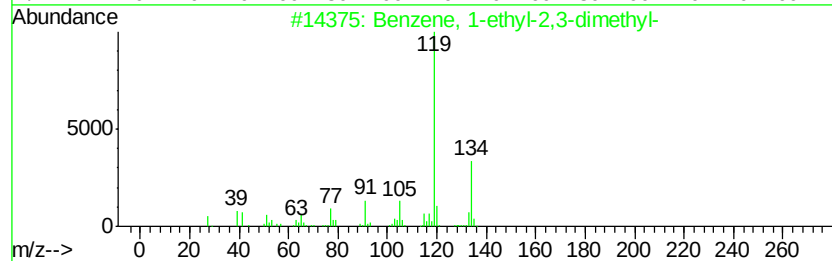
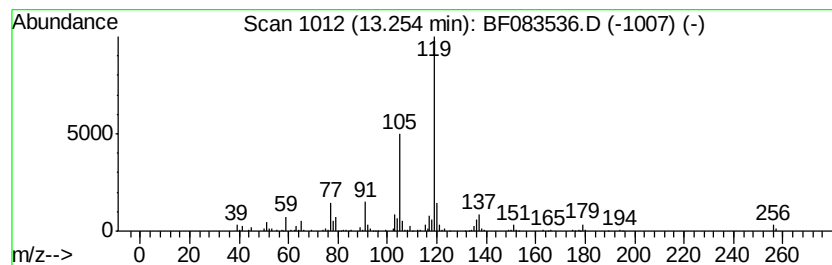
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	4.54 ng	364349	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
2		Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	72
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	72
4		Butyric acid, 3-methyl-4-(2,5-xv...	206	C13H18O2	030275-76-4	64
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083536.D
Acq On : 7 Dec 2015 1:17
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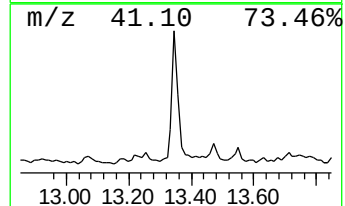
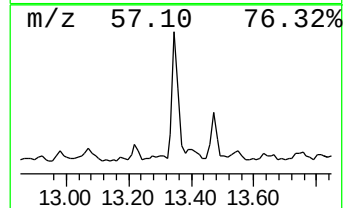
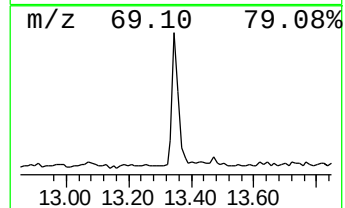
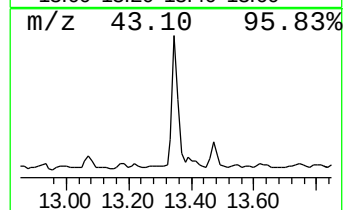
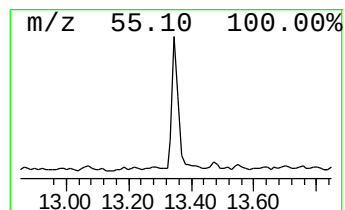
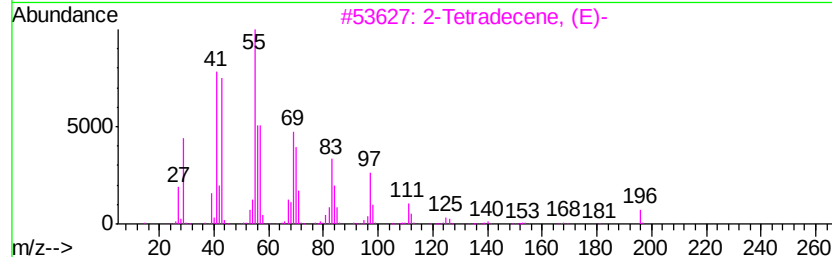
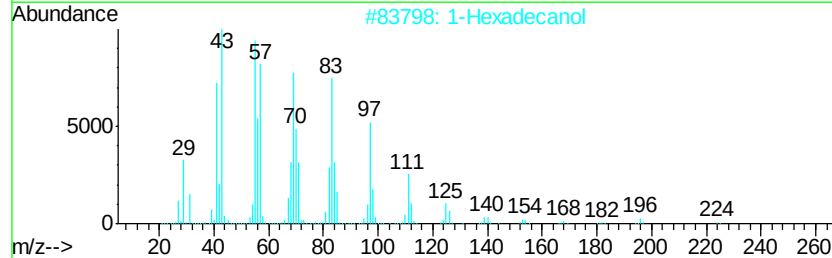
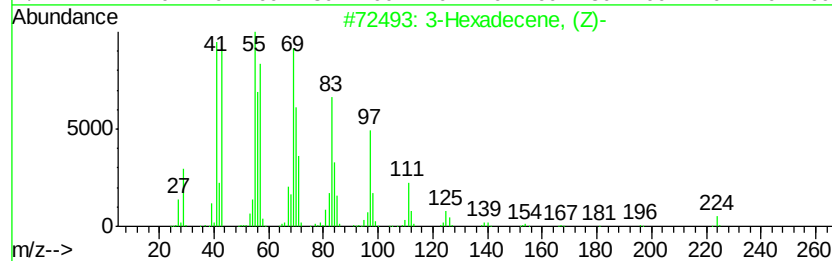
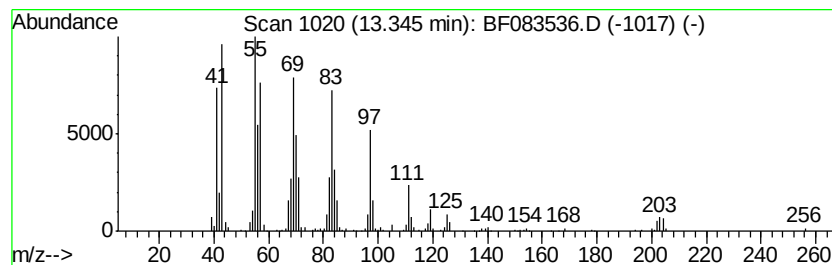
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 3-Hexadecene, (Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	8.76 ng	702605	Phenanthrene-d10	12.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Hexadecene, (Z)-	224	C16H32	034303-81-6	94
2		1-Hexadecanol	242	C16H34O	036653-82-4	94
3		2-Tetradecene, (E)-	196	C14H28	035953-53-8	93
4		4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	91
5		5-Octadecene, (E)-	252	C18H36	007206-21-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083536.D
Acq On : 7 Dec 2015 1:17
Operator : UM/IZ
Sample : G4594-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

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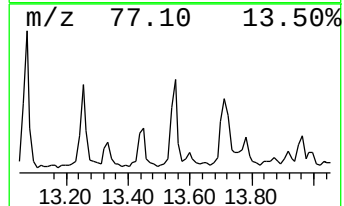
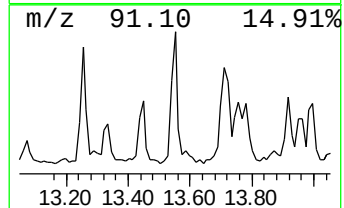
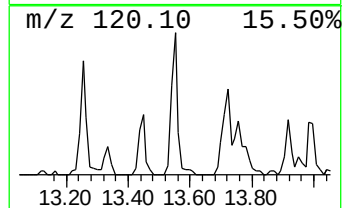
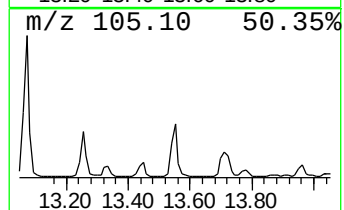
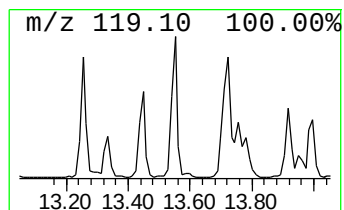
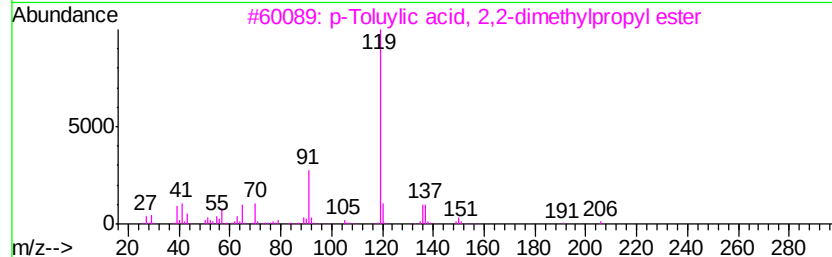
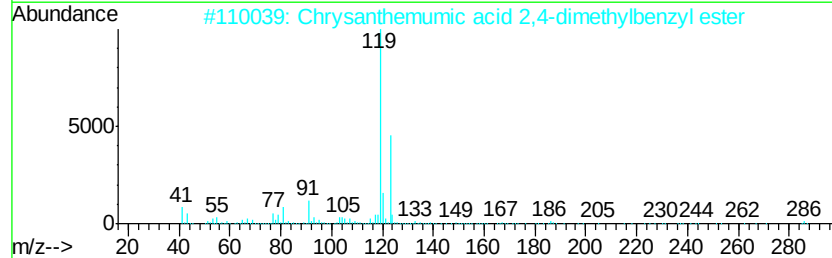
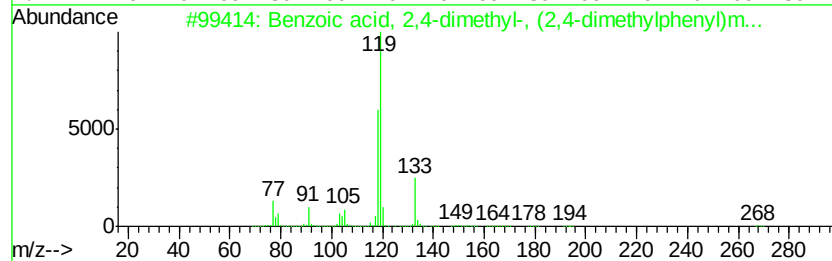
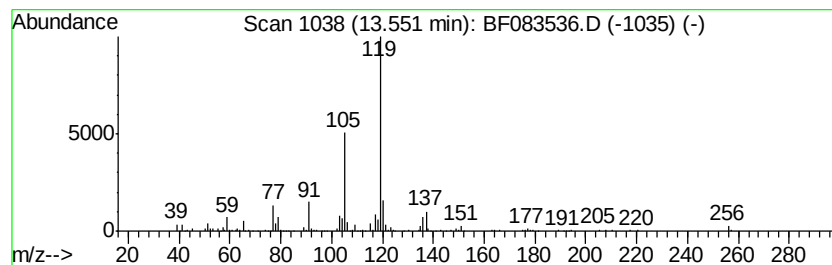
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzoic acid, 2,4-dimethyl-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	4.20 ng	337051	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	72
2		Chrysanthemic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	59
3		p-Toluylic acid, 2,2-dimethylpro...	206	C13H18O2	069912-01-2	59
4		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
5		2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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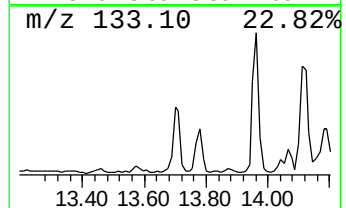
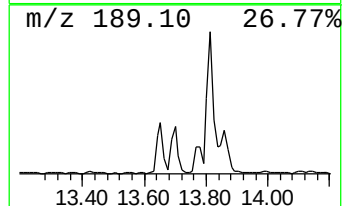
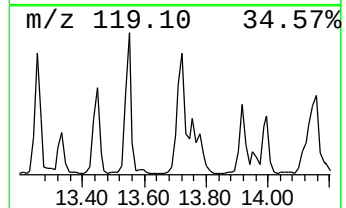
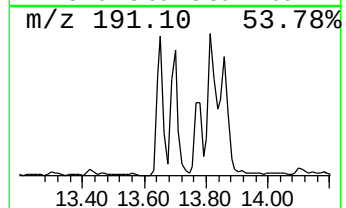
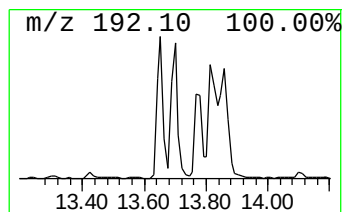
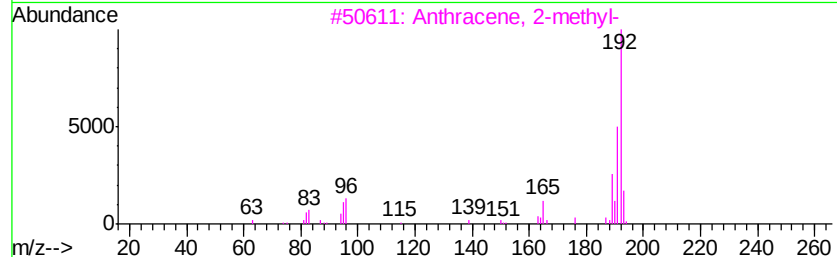
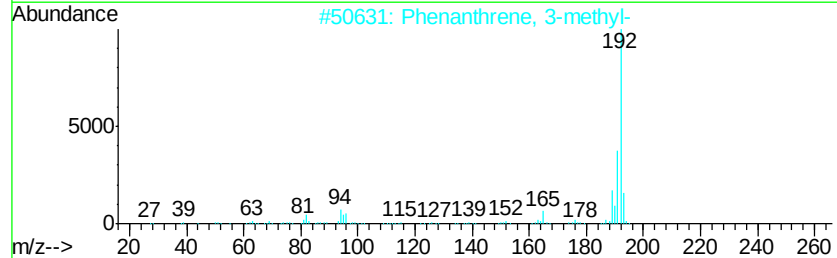
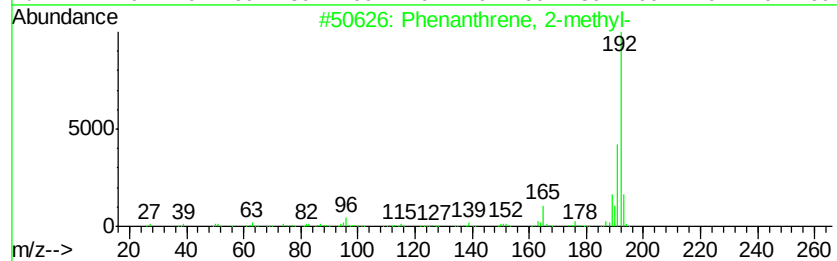
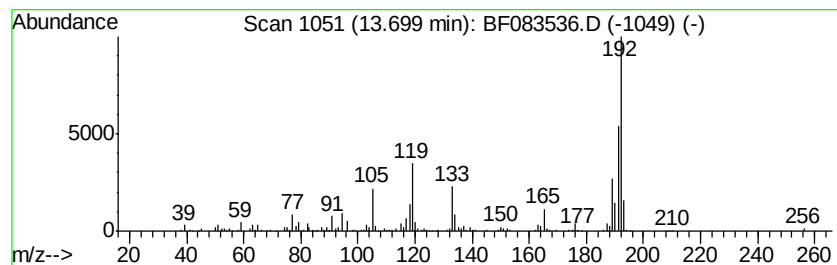
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.70	8.24 ng	661019	Phenanthrene-d10	12.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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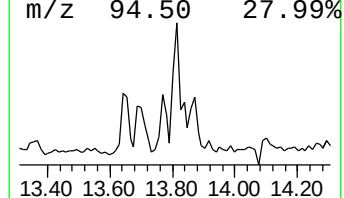
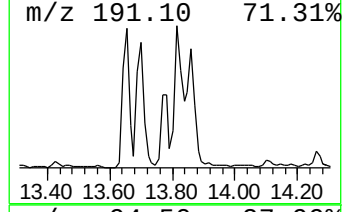
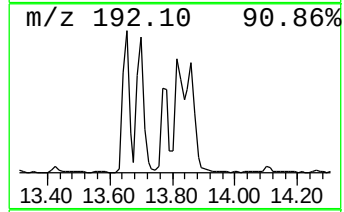
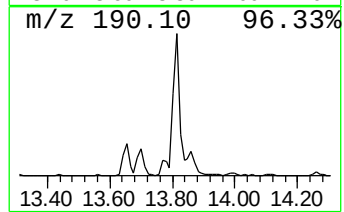
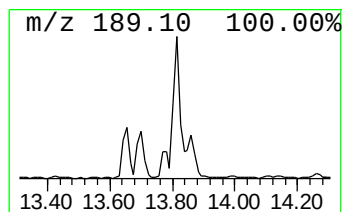
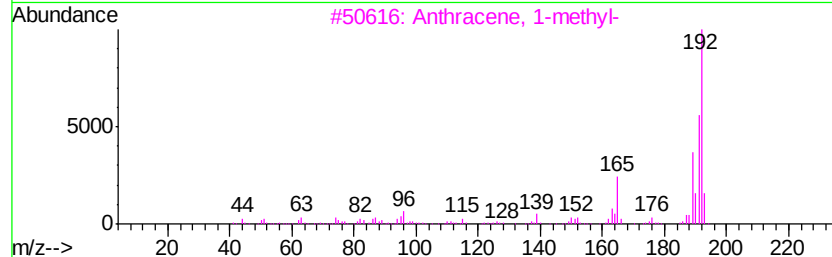
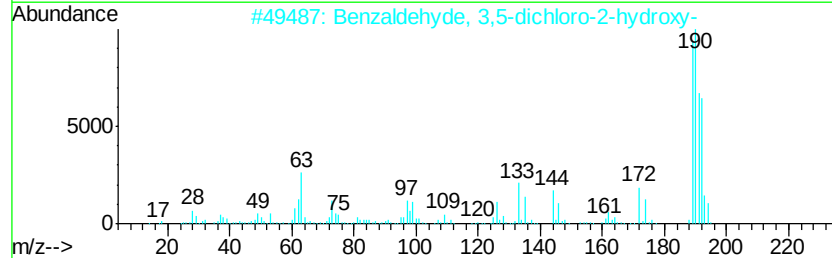
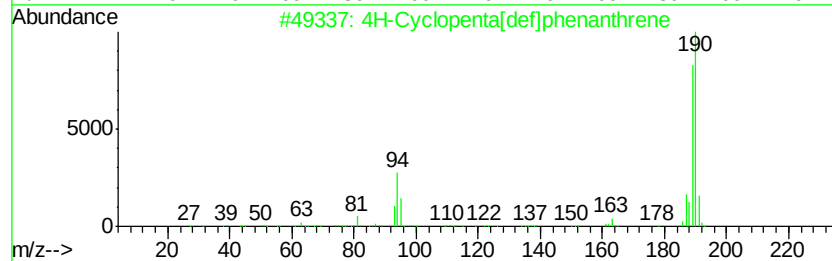
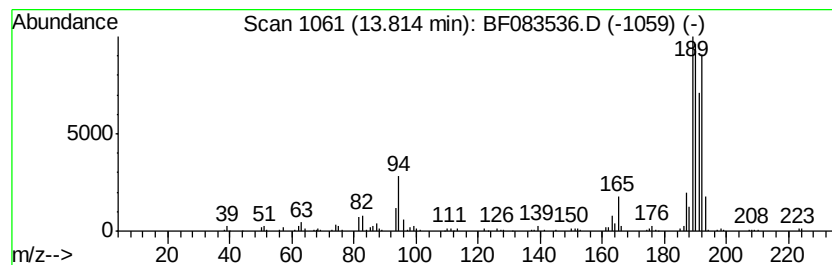
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.81	4.59 ng	368462	Phenanthrene-d10	12.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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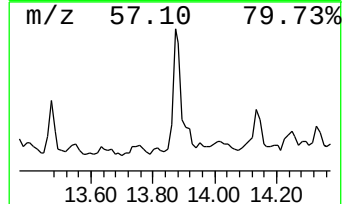
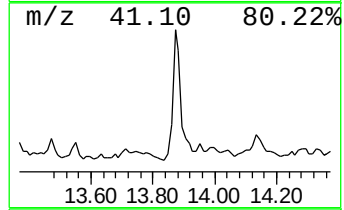
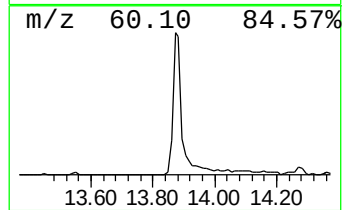
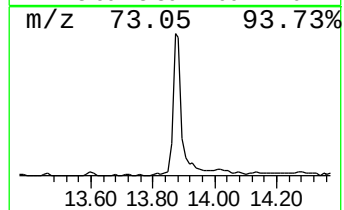
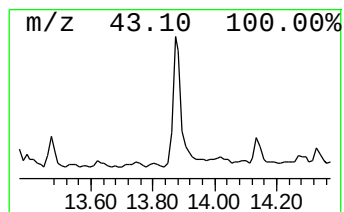
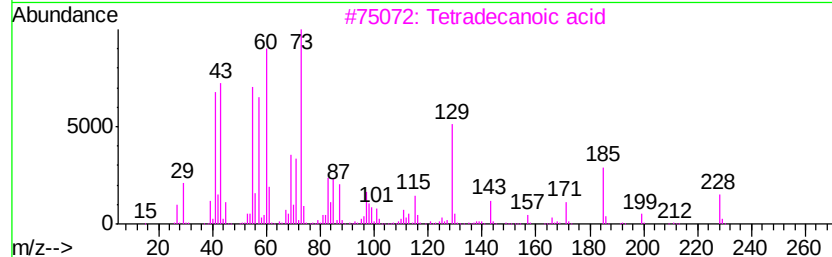
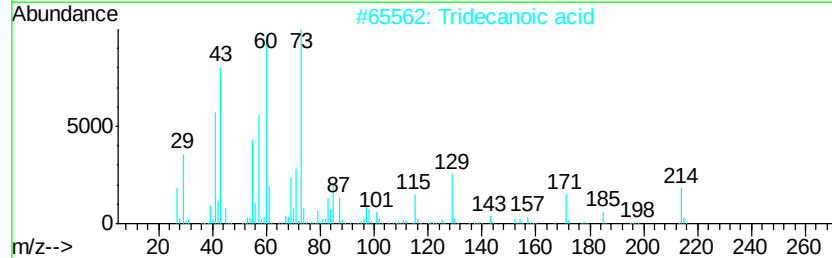
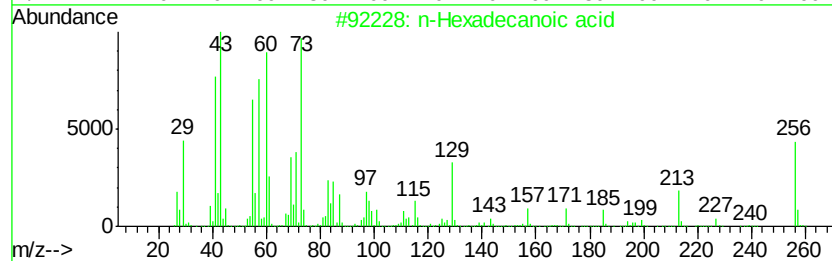
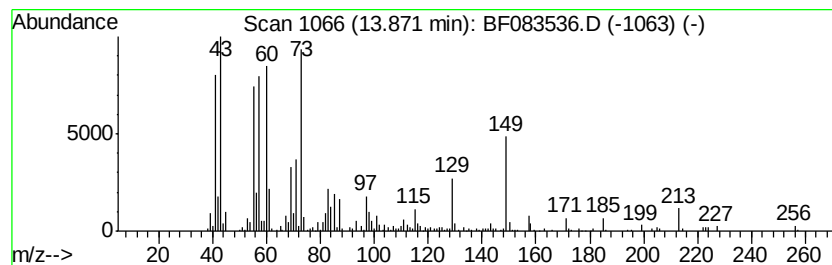
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.87	8.94 ng	717366	Phenanthrene-d10		12.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
5	Undecanoic acid	186	C11H22O2	000112-37-8	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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Acq On : 7 Dec 2015 1:17
Operator : UM/IZ
Sample : G4594-10
Misc :
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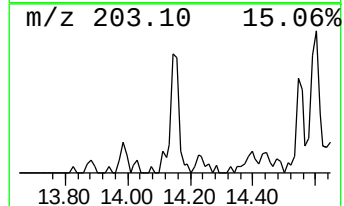
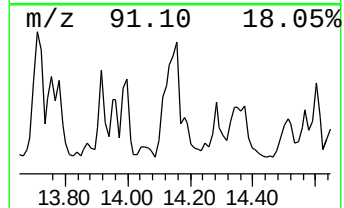
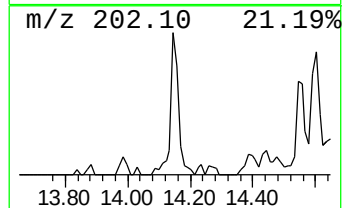
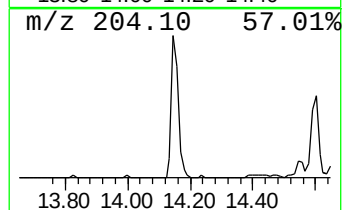
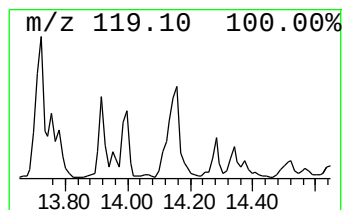
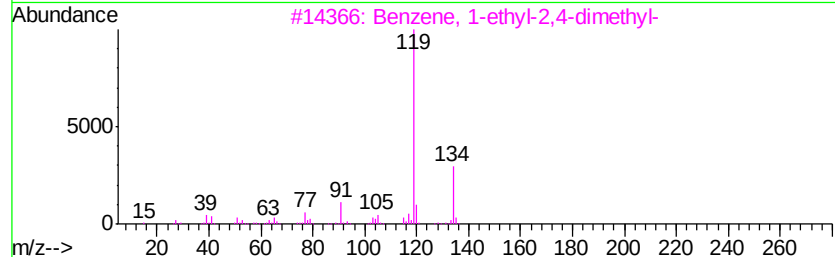
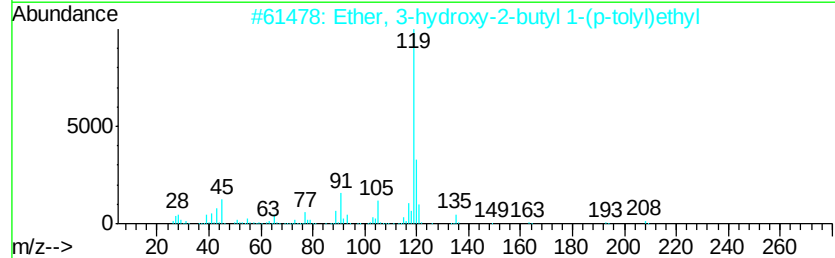
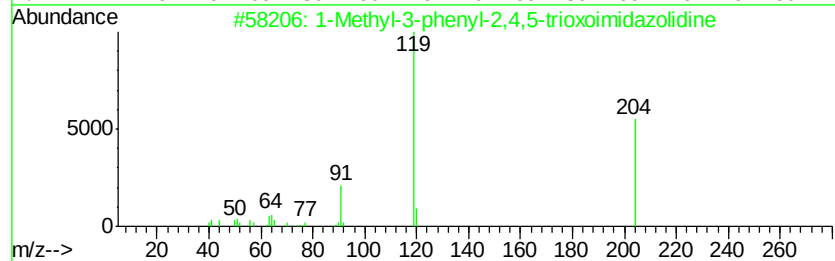
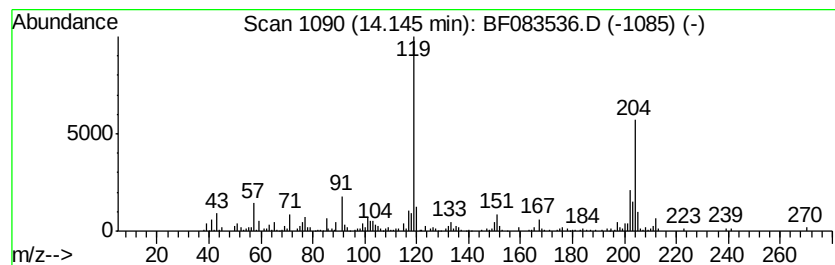
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Methyl-3-phenyl-2,4,5-tri... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.15	8.29 ng	665336	Phenanthrene-d10	12.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-2,4,5-trioxoim...	204	C10H8N2O3	016935-46-9	58
2	Ether, 3-hydroxy-2-butyl 1-(p-to...	208	C13H20O2	1000149-41-9	45
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	43
4	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	43
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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Misc :
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ClientSampleId :
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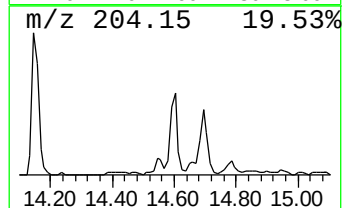
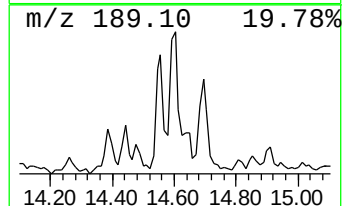
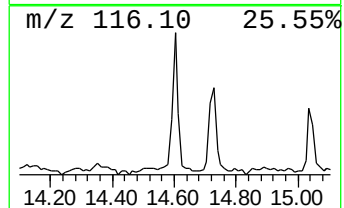
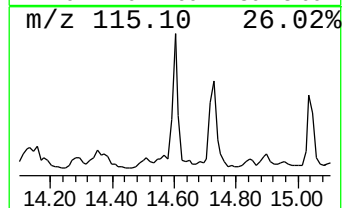
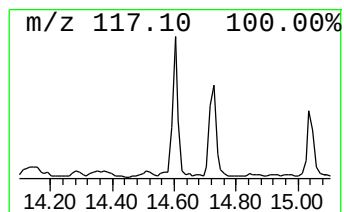
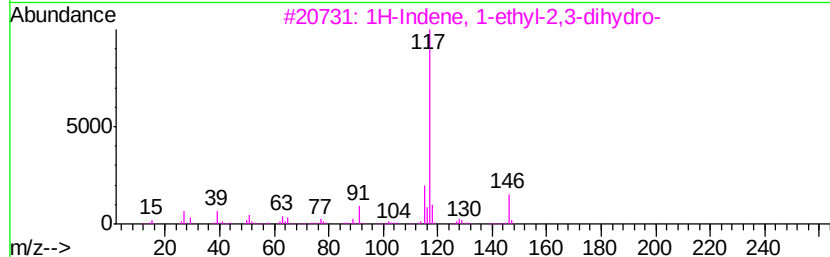
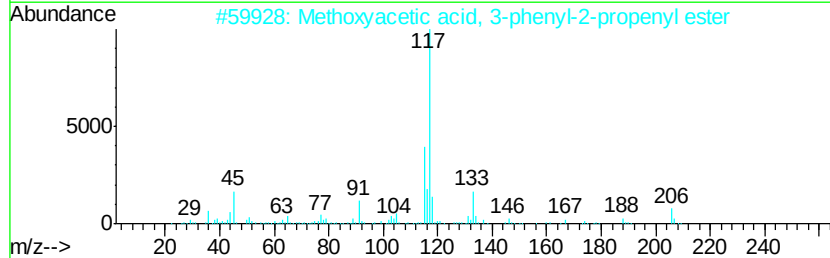
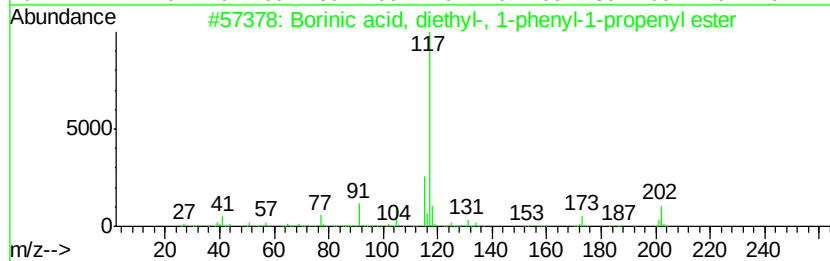
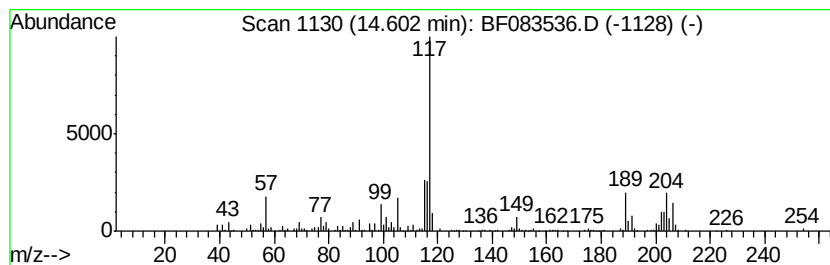
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.60 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	5.15 ng	412979	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Borinic acid, diethyl-, 1-phenyl...	202	C13H19BO	034602-33-0	47
2		Methoxyacetic acid, 3-phenyl-2-p...	206	C12H14O3	074563-48-7	38
3		1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	37
4		Benzene, 1-pentenyl-	146	C11H14	000826-18-6	37
5		Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	37



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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Acq On : 7 Dec 2015 1:17
Operator : UM/IZ
Sample : G4594-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

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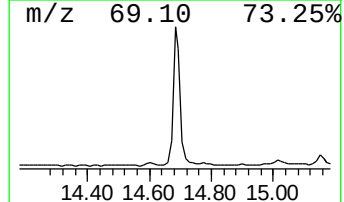
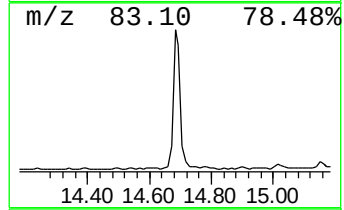
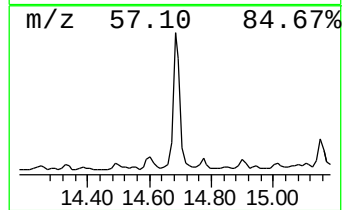
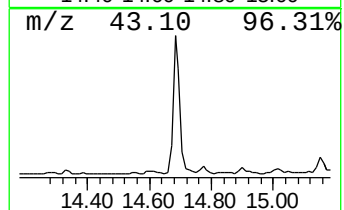
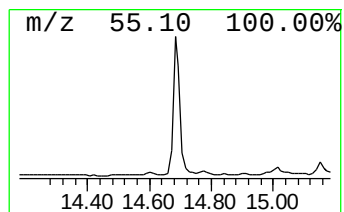
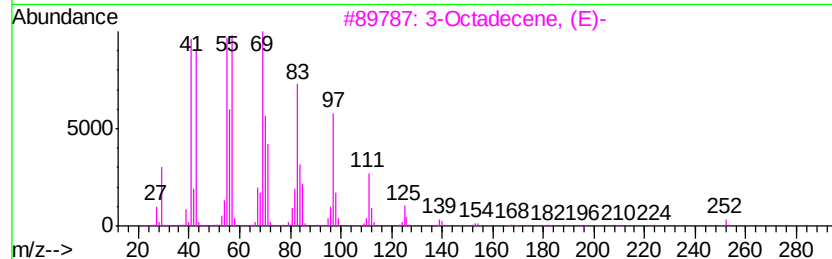
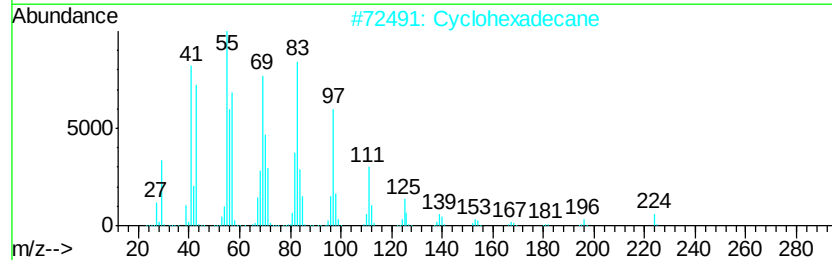
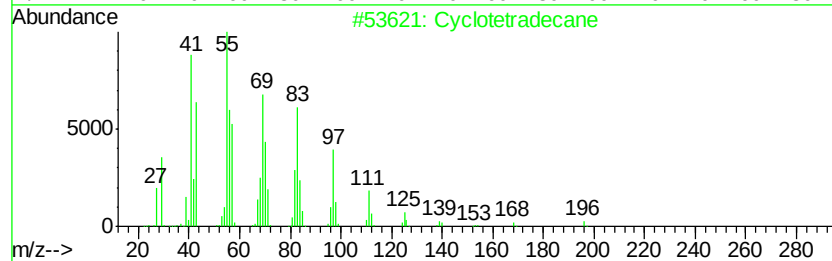
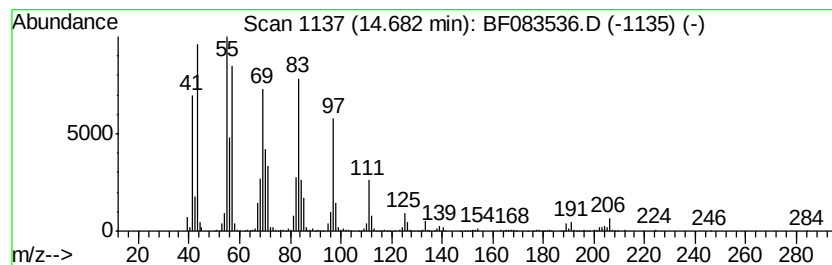
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclotetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	30.68 ng	2460770	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetradecane	196	C14H28	000295-17-0	97
2		Cyclohexadecane	224	C16H32	000295-65-8	95
3		3-Octadecene, (E)-	252	C18H36	007206-19-1	94
4		1-Hexadecanol	242	C16H34O	036653-82-4	94
5		7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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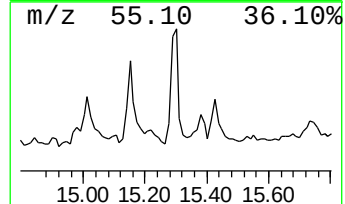
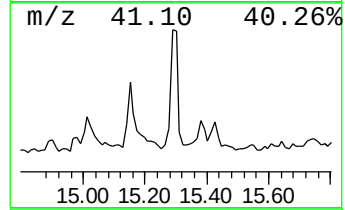
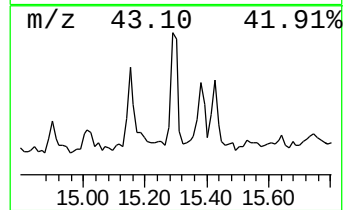
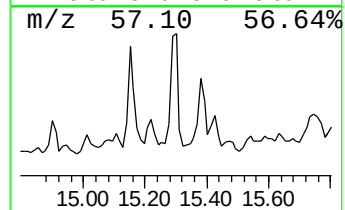
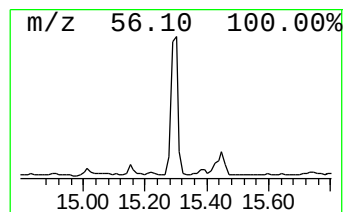
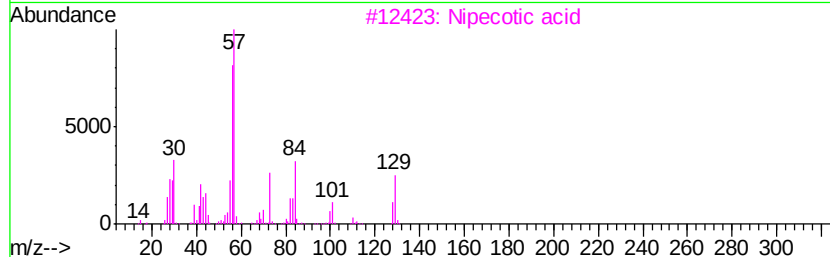
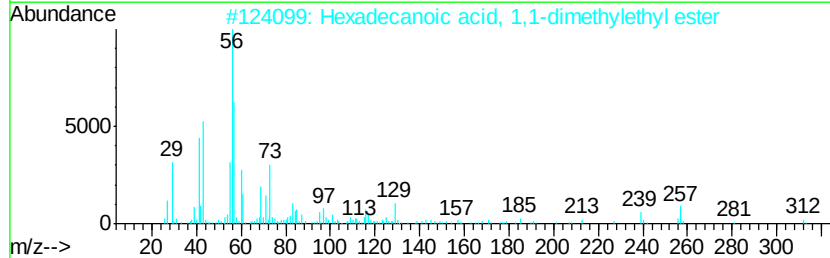
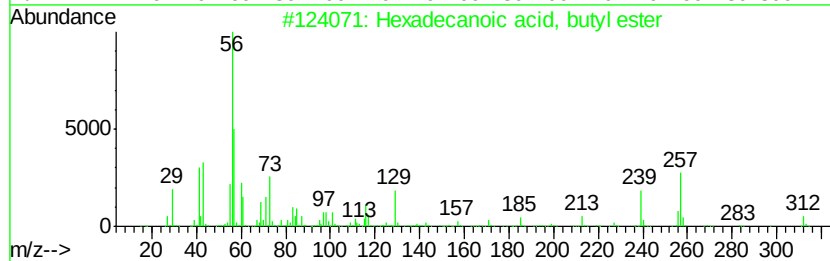
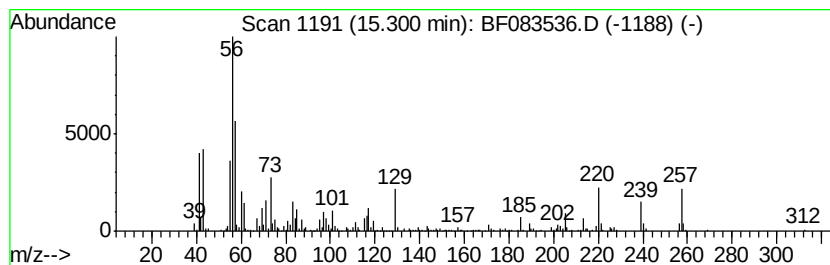
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecanoic acid, butyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.30	7.87 ng	599664	Chrysene-d12	17.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	87
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	52
3	Nipecotic acid	129	C6H11NO2	000498-95-3	43
4	Propan-2-one O-(2-chloro-1-methv...	149	C6H12ClNO	1000186-05-6	35
5	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083536.D
Acq On : 7 Dec 2015 1:17
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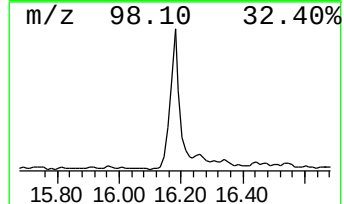
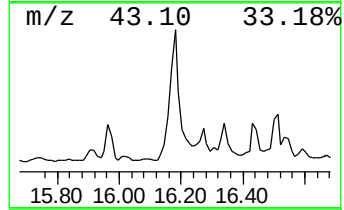
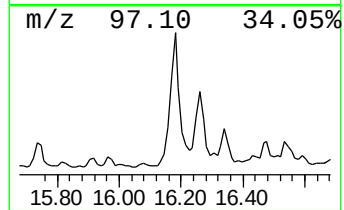
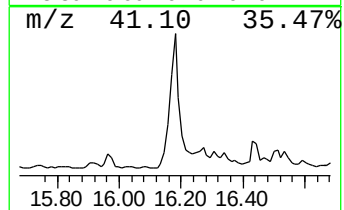
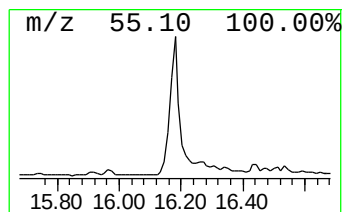
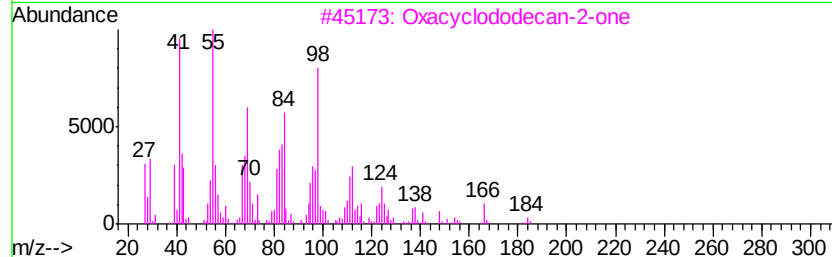
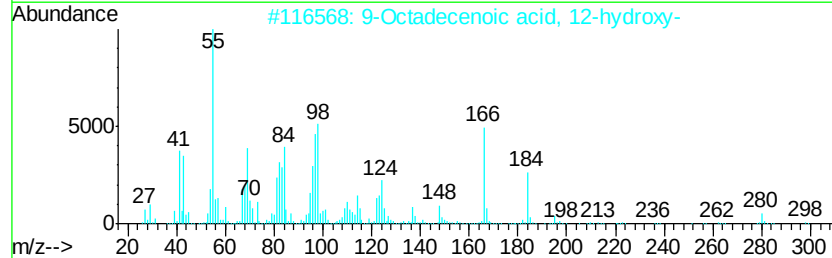
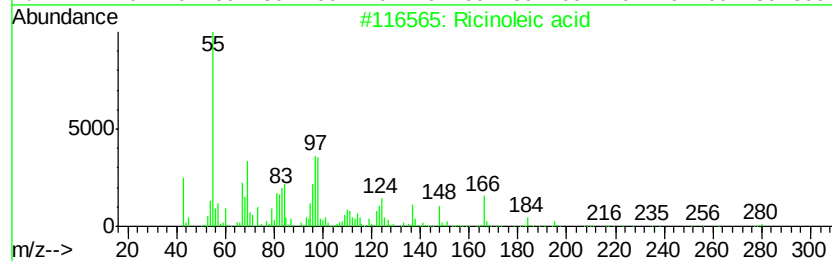
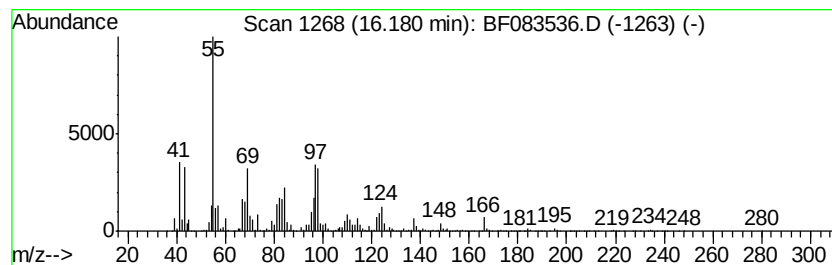
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Ricinoleic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	44.94 ng	3422190	Chrysene-d12	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ricinoleic acid	298	C18H34O3	000141-22-0	86
2		9-Octadecenoic acid, 12-hydroxy-	298	C18H34O3	007431-95-0	80
3		Oxacyclododecan-2-one	184	C11H20O2	001725-03-7	74
4		10-Undecenoyl chloride	202	C11H19ClO	038460-95-6	46
5		Myristoleic acid	226	C14H26O2	000544-64-9	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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ClientSampleId :
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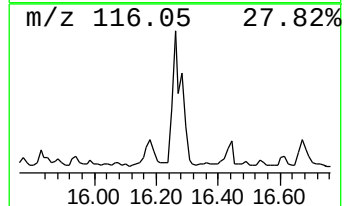
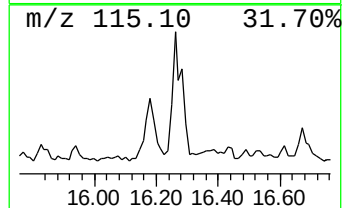
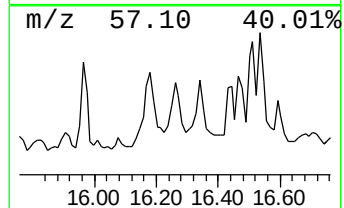
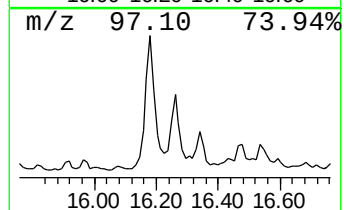
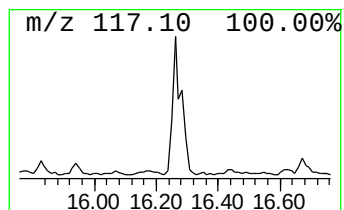
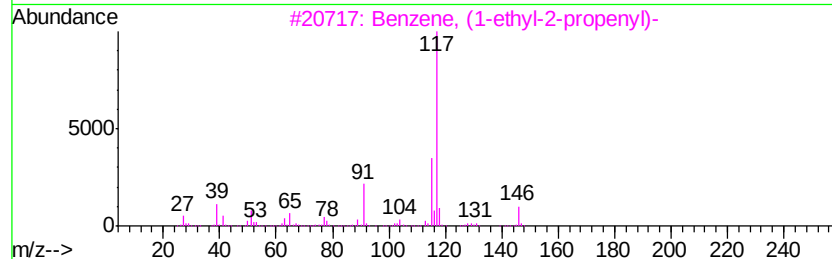
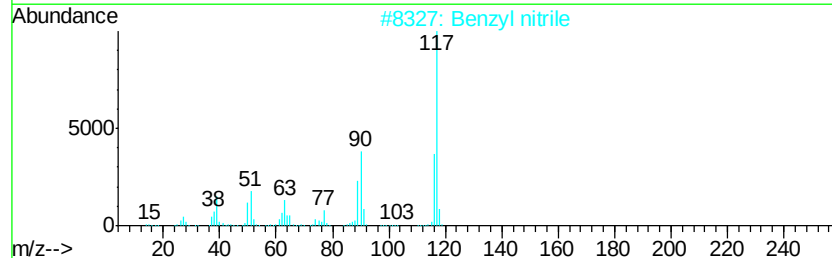
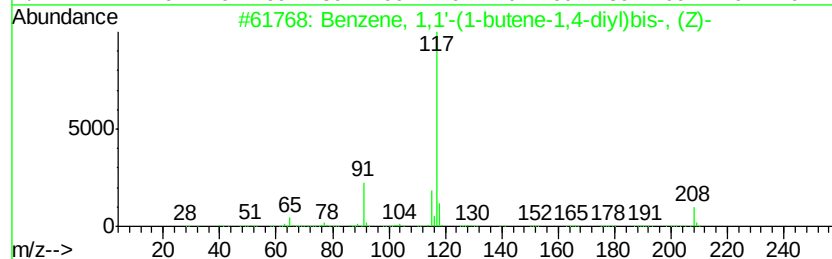
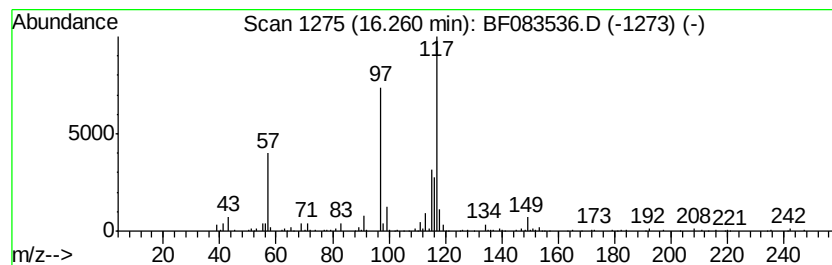
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.26 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	8.49 ng	646336	Chrysene-d12	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,1'-(1-butene-1,4-divl...	208	C16H16	070388-65-7	35
2		Benzyl nitrile	117	C8H7N	000140-29-4	35
3		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	25
4		Methoxyacetic acid, 3-phenyl-2-p...	206	C12H14O3	074563-48-7	23
5		Phosphorochloridic acid, diethyl...	172	C4H10ClO3P	000814-49-3	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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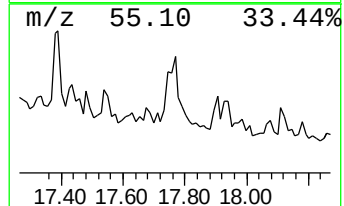
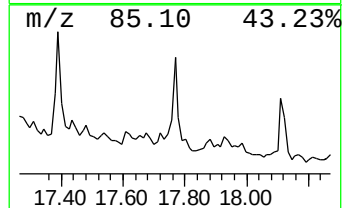
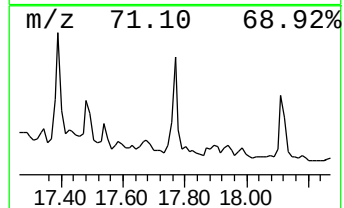
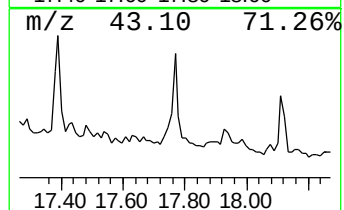
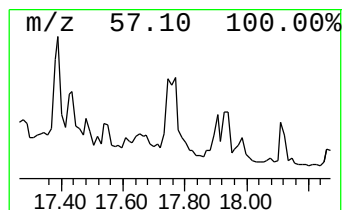
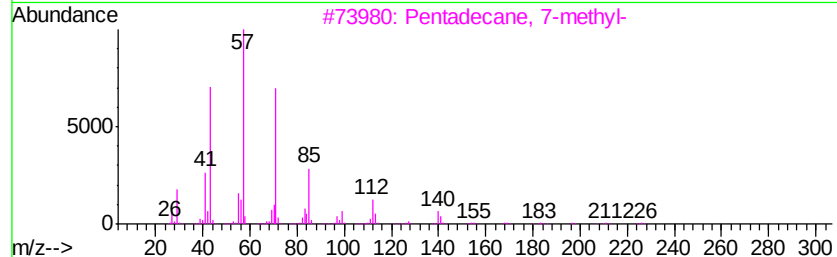
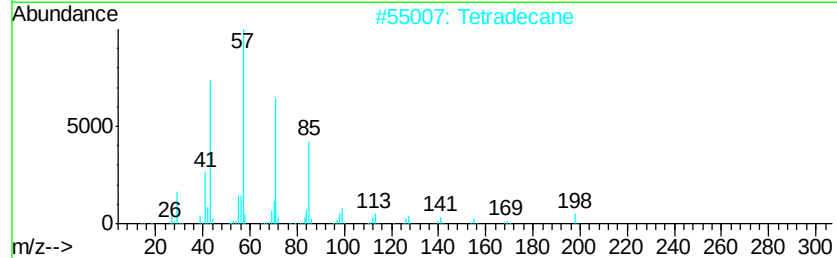
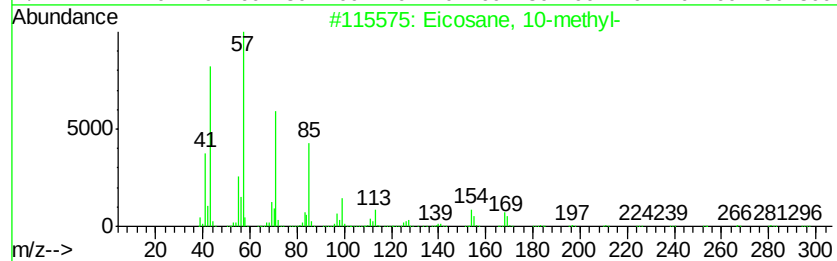
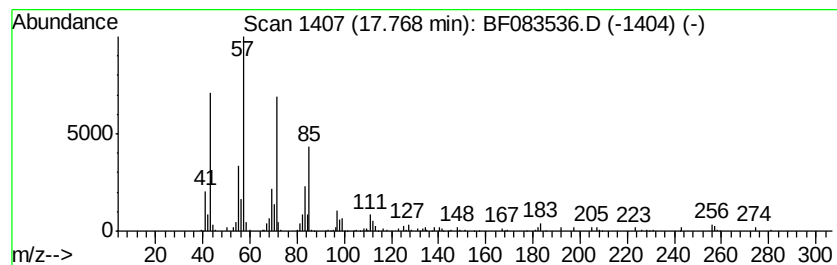
Instrument :
BNA_F
ClientSampleId :
K209-33-33.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Eicosane, 10-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.77	4.75 ng	361783	Chrysene-d12	17.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	59
2	Tetradecane	198	C14H30	000629-59-4	58
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	46
4	Tridecane	184	C13H28	000629-50-5	22
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083536.D
 Acq On : 7 Dec 2015 1:17
 Operator : UM/IZ
 Sample : G4594-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K209-33-33.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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
Propane, 2-methyl...	3.57	32.2	ng	1713110	1	5.73	1063960	20.0
Naphthalene, 2,3-...	9.89	5.7	ng	463515	3	10.42	1618650	20.0
Hexadecane	12.04	4.3	ng	345506	4	12.82	1604240	20.0
2(5H)-Oxepinone, ...	13.07	5.5	ng	444574	4	12.82	1604240	20.0
Benzene, 1-ethyl-...	13.25	4.5	ng	364349	4	12.82	1604240	20.0
3-Hexadecene, (Z)-	13.35	8.8	ng	702605	4	12.82	1604240	20.0
Benzoic acid, 2,4...	13.55	4.2	ng	337051	4	12.82	1604240	20.0
Phenanthrene, 2-m...	13.70	8.2	ng	661019	4	12.82	1604240	20.0
4H-Cyclopenta[def...	13.81	4.6	ng	368462	4	12.82	1604240	20.0
n-Hexadecanoic acid	13.87	8.9	ng	717366	4	12.82	1604240	20.0
1-Methyl-3-phenyl...	14.15	8.3	ng	665336	4	12.82	1604240	20.0
unknown14.60	14.60	5.2	ng	412979	4	12.82	1604240	20.0
Cyclotetradecane	14.68	30.7	ng	2460770	4	12.82	1604240	20.0
Hexadecanoic acid...	15.30	7.9	ng	599664	5	17.01	1523000	20.0
Ricinoleic acid	16.18	44.9	ng	3422190	5	17.01	1523000	20.0
unknown16.26	16.26	8.5	ng	646336	5	17.01	1523000	20.0
Eicosane, 10-methyl-	17.77	4.8	ng	361783	5	17.01	1523000	20.0