

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087379.D
 Acq On : 25 May 2016 19:01
 Operator : UM/SJ
 Sample : H3211-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

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-BF052316.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	1.644	3	5	43	rVB	3188029	5996123	100.00%	15.628%
2	4.764	276	278	293	rBV	86315	225357	3.76%	0.587%
3	5.416	332	335	352	rBV	1771654	2871857	47.90%	7.485%
4	7.062	476	479	486	rBV	2134347	2891111	48.22%	7.535%
5	7.165	486	488	493	rVV	1873811	3025264	50.45%	7.885%
6	7.519	516	519	524	rBV	527454	689726	11.50%	1.798%
7	7.748	537	539	542	rBV	1443769	2133336	35.58%	5.560%
8	8.433	595	599	601	rBV	1330443	1912935	31.90%	4.986%
9	9.542	693	696	699	rBV	640300	877274	14.63%	2.286%
10	11.325	849	852	855	rBV	2101467	2508321	41.83%	6.537%
11	12.011	910	912	915	rBV	227086	341611	5.70%	0.890%
12	12.148	921	924	927	rBV	119263	165496	2.76%	0.431%
13	12.377	941	944	950	rBV2	586308	933013	15.56%	2.432%
14	13.211	1015	1017	1020	rBV	99632	143254	2.39%	0.373%
15	13.577	1043	1049	1051	rBV3	38937	93117	1.55%	0.243%
16	13.668	1054	1057	1060	rBV	1038500	1497597	24.98%	3.903%
17	13.988	1083	1085	1089	rBV	107147	192080	3.20%	0.501%
18	14.720	1146	1149	1151	rBV	55378	72862	1.22%	0.190%
19	14.765	1151	1153	1155	rVV	472647	690078	11.51%	1.799%
20	14.811	1155	1157	1160	rVV	112301	145450	2.43%	0.379%
21	14.891	1161	1164	1167	rVV	126044	164444	2.74%	0.429%
22	15.600	1225	1226	1229	rVV	43115	64331	1.07%	0.168%
23	15.714	1234	1236	1238	rVV	71344	102176	1.70%	0.266%
24	15.760	1238	1240	1245	rVB2	46435	78876	1.32%	0.206%
25	16.011	1257	1262	1264	rBV3	33494	70741	1.18%	0.184%
26	16.366	1290	1293	1295	rBV	80244	115453	1.93%	0.301%
27	16.480	1301	1303	1306	rVB	73990	94684	1.58%	0.247%
28	16.571	1308	1311	1314	rVB	694603	779796	13.01%	2.032%
29	16.868	1335	1337	1340	rVV	720079	855894	14.27%	2.231%
30	17.063	1351	1354	1356	rVV	50774	70475	1.18%	0.184%
31	17.120	1356	1359	1362	rVB	1188294	1566549	26.13%	4.083%
32	17.188	1362	1365	1369	rBV3	60211	116686	1.95%	0.304%
33	17.314	1372	1376	1377	rBV	86390	196563	3.28%	0.512%
34	17.337	1377	1378	1381	rVB	105540	94710	1.58%	0.247%

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35	17.429	1381	1386	1388	rBV	66740	154496	2.58%	0.403%
36	17.474	1388	1390	1393	rVV2	118953	232599	3.88%	0.606%
37	17.589	1395	1400	1402	rVV2	74117	175238	2.92%	0.457%
38	17.794	1414	1418	1420	rVB2	40239	74421	1.24%	0.194%
39	17.851	1420	1423	1424	rBV3	33015	65283	1.09%	0.170%
40	17.977	1430	1434	1435	rBV4	34563	70490	1.18%	0.184%
41	18.011	1435	1437	1440	rVB	84949	123769	2.06%	0.323%
42	18.137	1446	1448	1450	rBV	65065	136059	2.27%	0.355%
43	18.206	1452	1454	1455	rVV	63868	83304	1.39%	0.217%
44	18.240	1455	1457	1459	rVB	51973	75520	1.26%	0.197%
45	18.286	1459	1461	1464	rBV	73318	93634	1.56%	0.244%
46	18.469	1473	1477	1478	rBV2	664398	1221837	20.38%	3.184%
47	18.503	1478	1480	1482	rVV	371528	525570	8.77%	1.370%
48	18.537	1482	1483	1486	rVV2	55413	82757	1.38%	0.216%
49	18.972	1515	1521	1523	rBV	111186	239993	4.00%	0.625%
50	19.006	1523	1524	1526	rVV	57617	61681	1.03%	0.161%
51	19.132	1532	1535	1537	rBV3	52511	116646	1.95%	0.304%
52	19.383	1555	1557	1561	rVB3	55990	90010	1.50%	0.235%
53	19.566	1571	1573	1575	rVB	68761	81848	1.37%	0.213%
54	19.726	1585	1587	1593	rBV	488349	1037253	17.30%	2.703%
55	19.840	1595	1597	1599	rVV2	103957	126808	2.11%	0.330%
56	20.023	1610	1613	1616	rBV	245133	310695	5.18%	0.810%
57	20.080	1616	1618	1621	rBV	269205	341578	5.70%	0.890%
58	20.137	1621	1623	1624	rBV	359464	422407	7.04%	1.101%
59	21.360	1727	1730	1735	rBV	156420	313492	5.23%	0.817%
60	21.715	1758	1761	1766	rVB	92051	175232	2.92%	0.457%
61	23.452	1908	1913	1915	rBV3	41936	158876	2.65%	0.414%

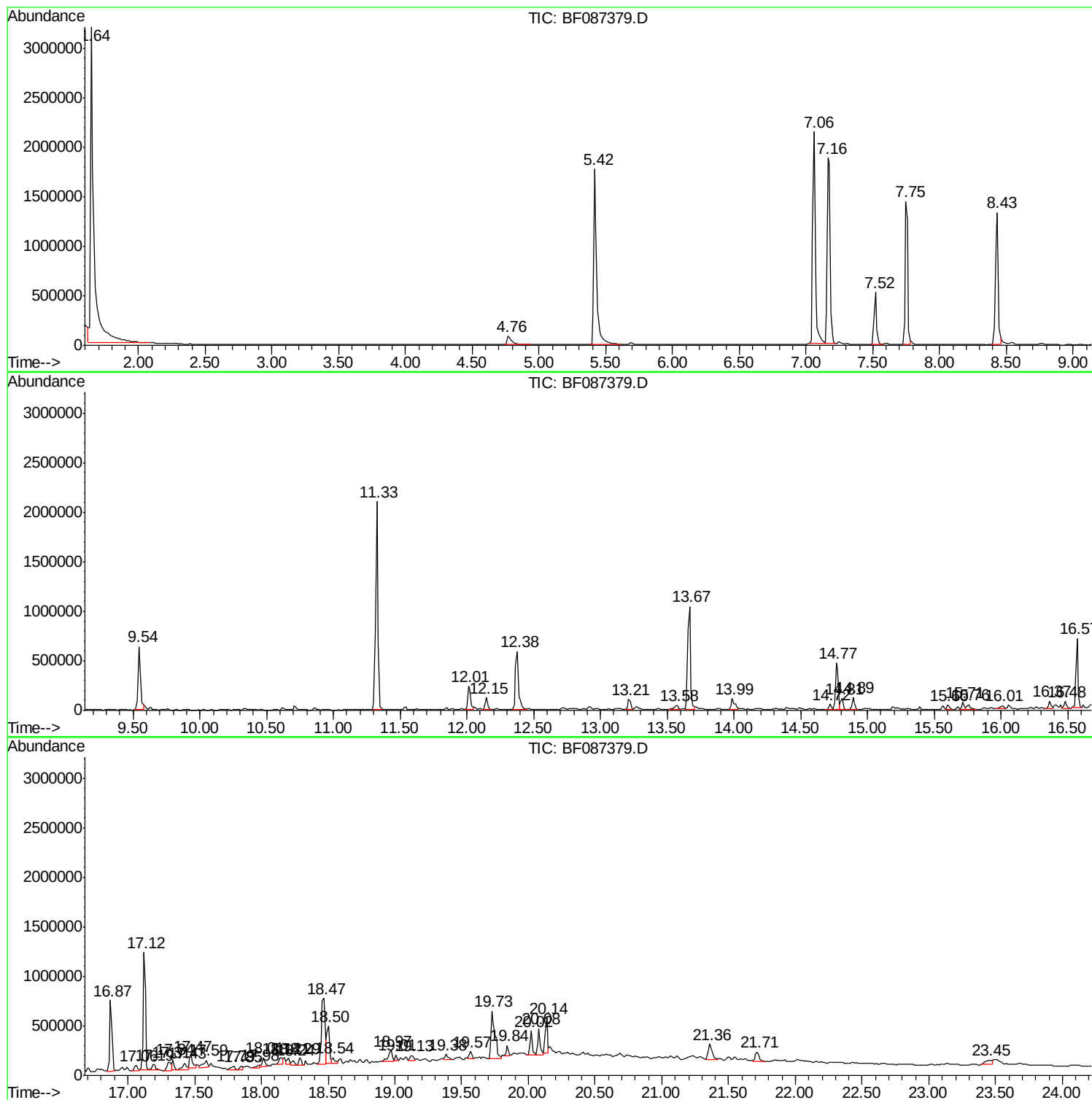
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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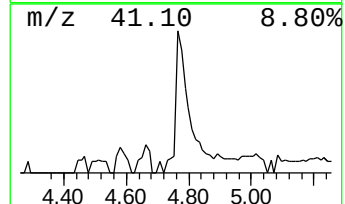
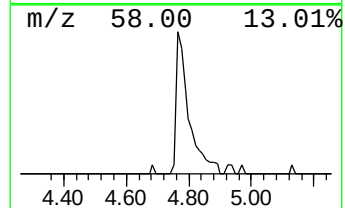
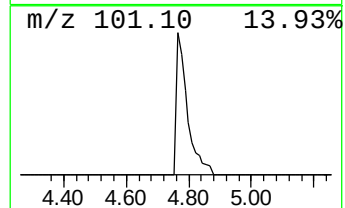
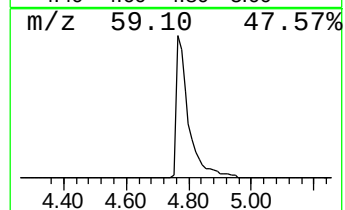
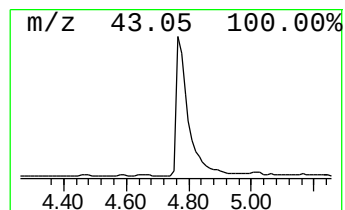
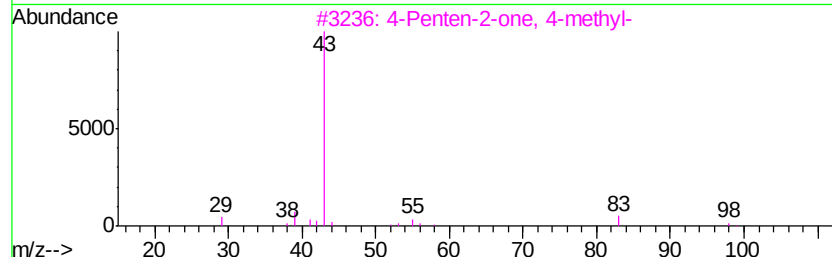
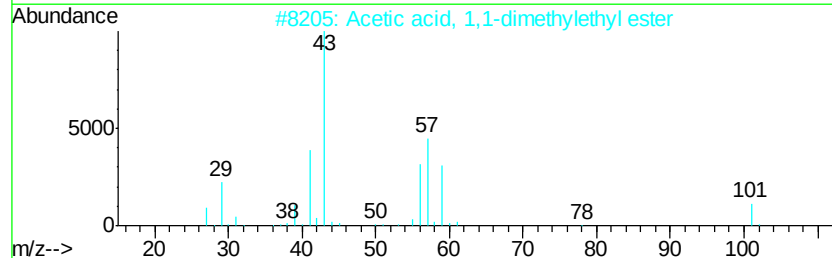
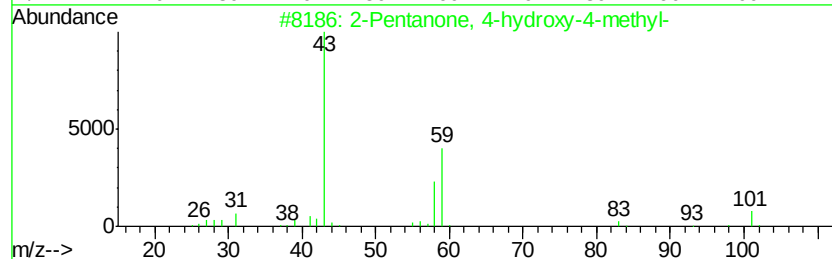
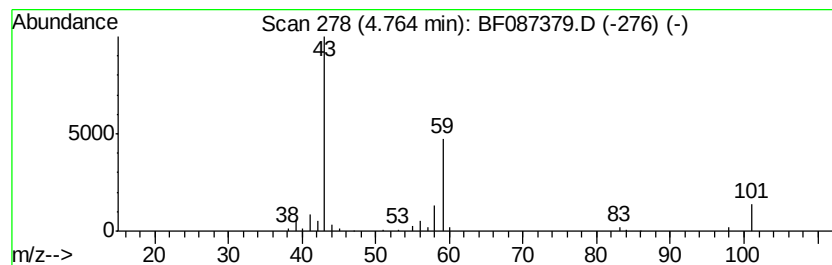
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	6.53 ng	225357	1,4-Dichlorobenzene-d4	7.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3			4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Diacetamide	101	C4H7NO2	000625-77-4	9



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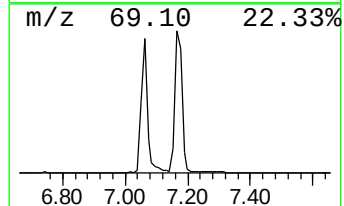
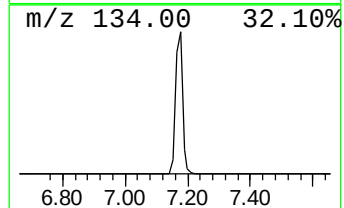
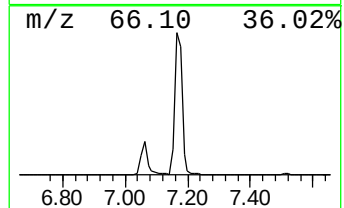
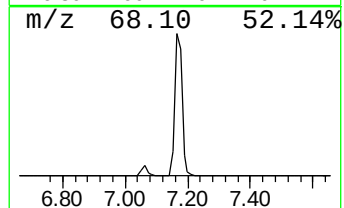
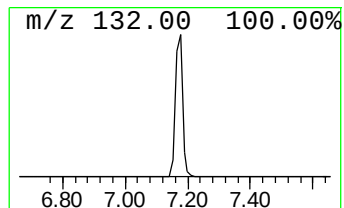
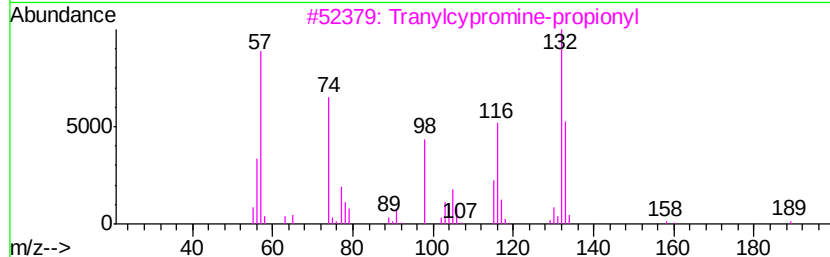
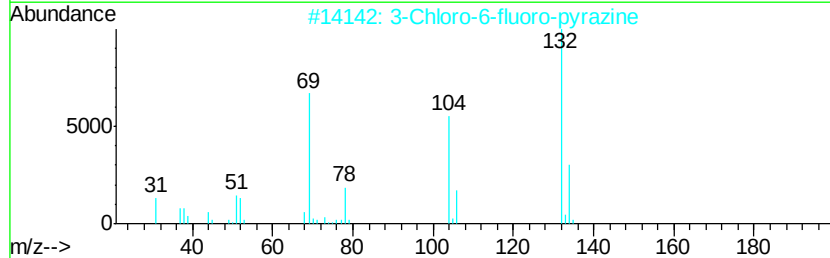
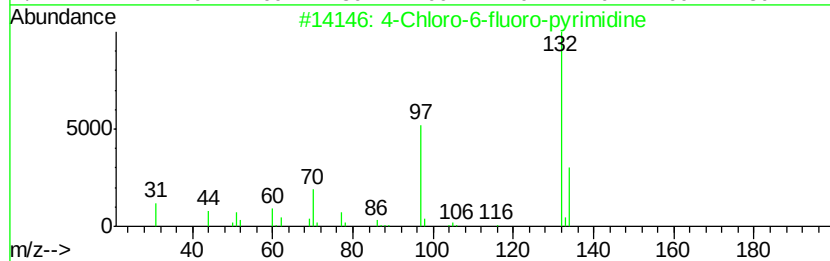
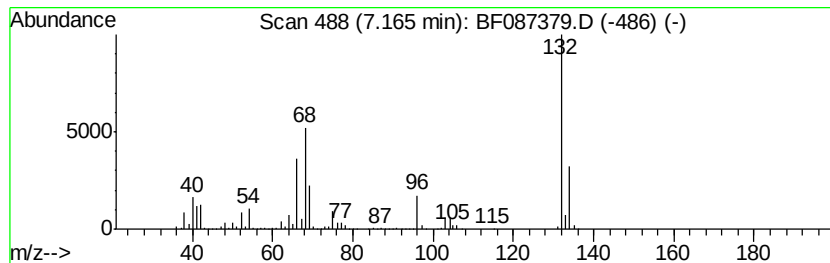
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	87.72 ng	3025260	1,4-Dichlorobenzene-d4	7.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22



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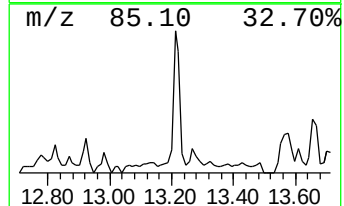
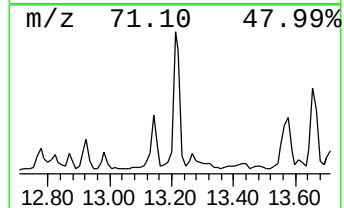
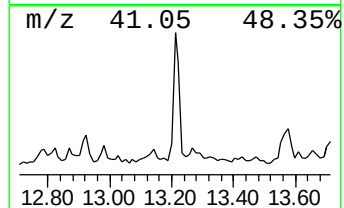
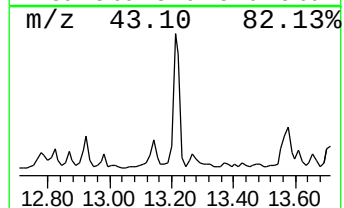
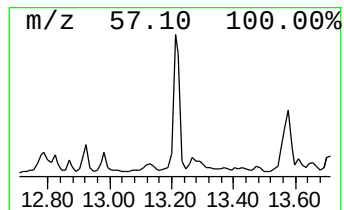
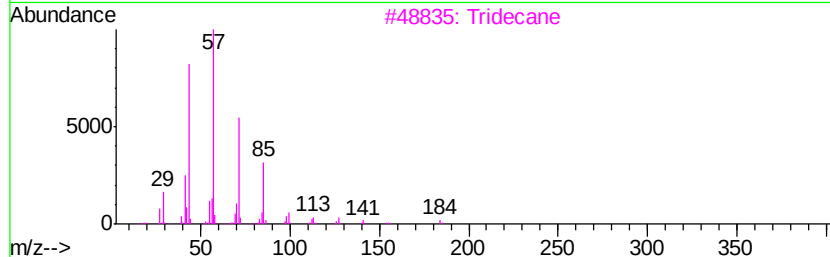
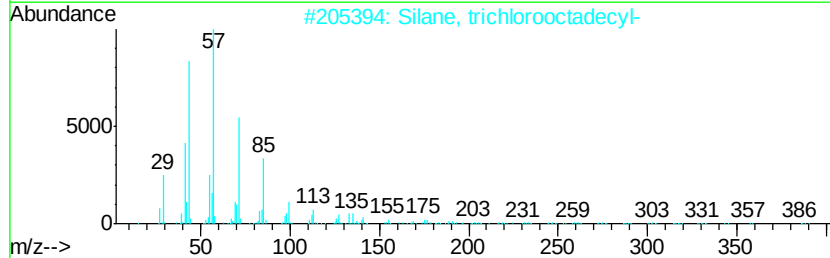
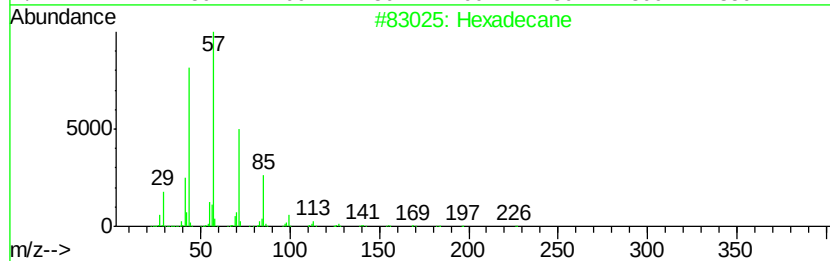
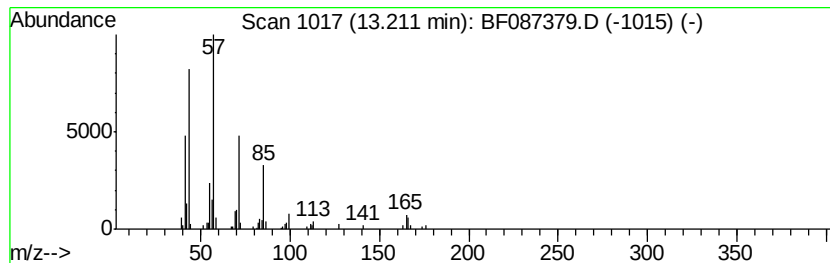
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	3.07 ng	143254	Acenaphthene-d10	12.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	87
2	Silane, trichlorooctadecyl-		386	C18H37Cl3Si	000112-04-9	80
3	Tridecane		184	C13H28	000629-50-5	80
4	Pentadecane		212	C15H32	000629-62-9	80
5	Tetradecane		198	C14H30	000629-59-4	80



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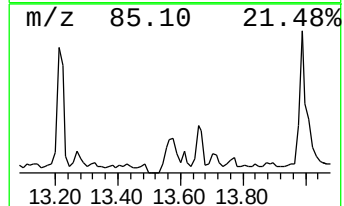
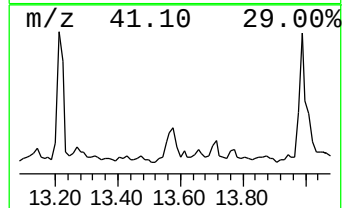
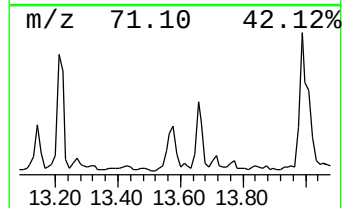
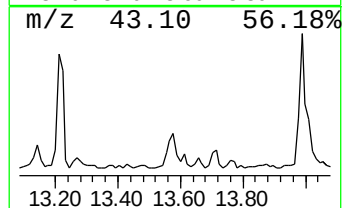
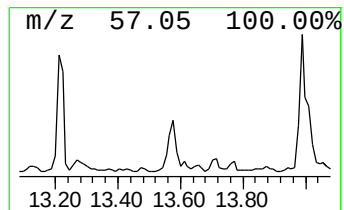
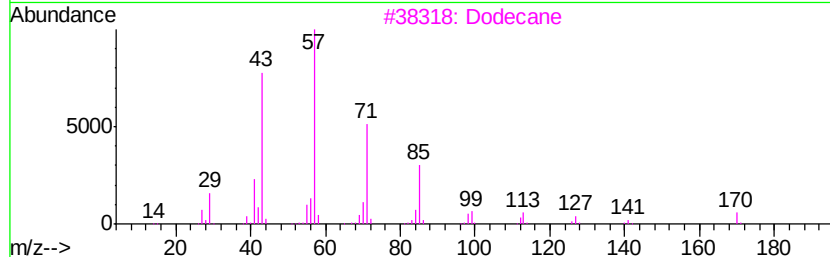
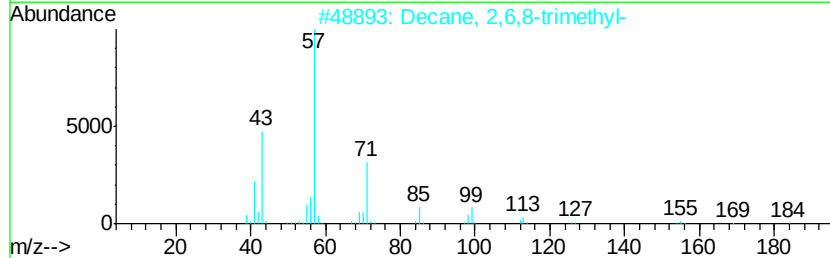
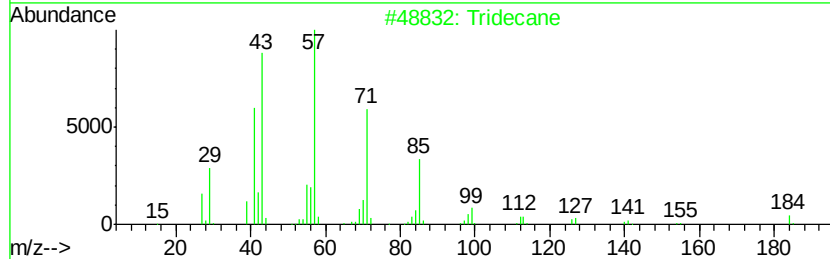
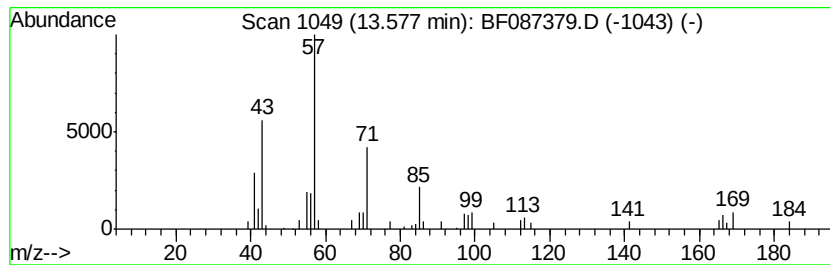
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	2.70 ng	93117	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	62
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62
3	Dodecane	170	C12H26	000112-40-3	59
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	59
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53



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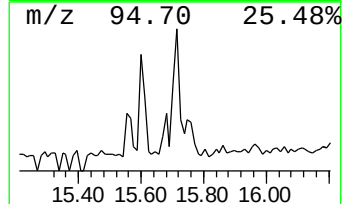
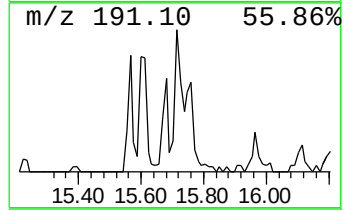
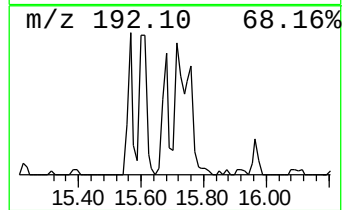
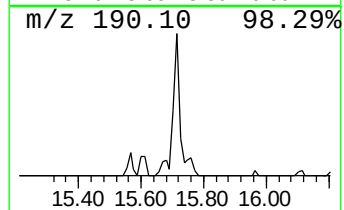
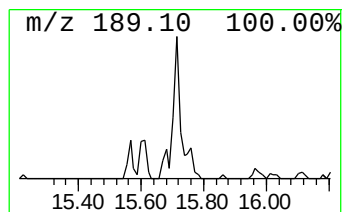
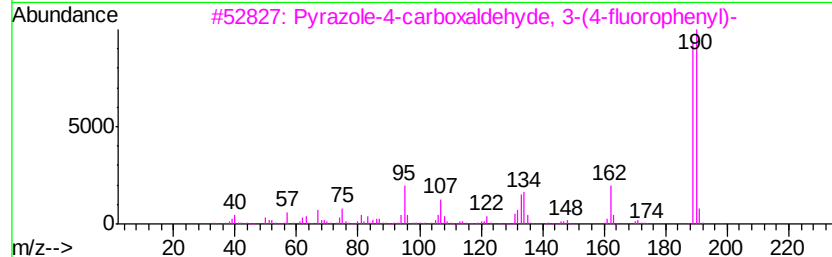
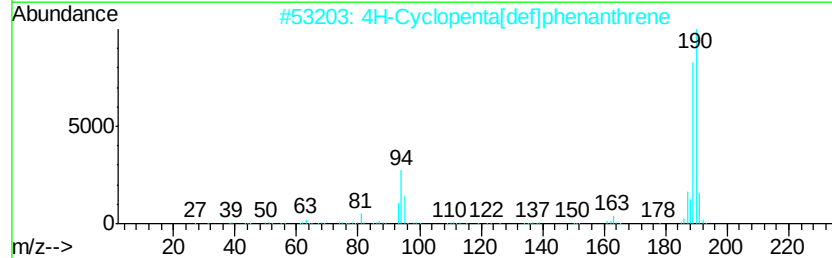
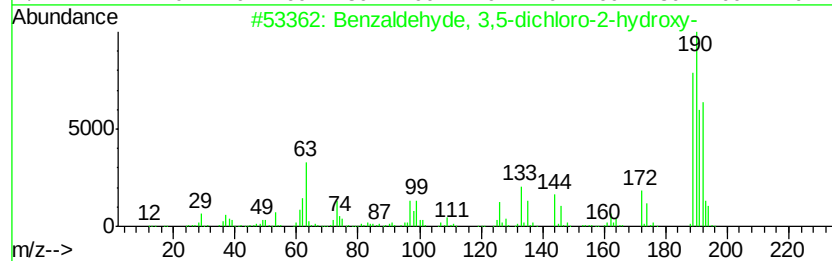
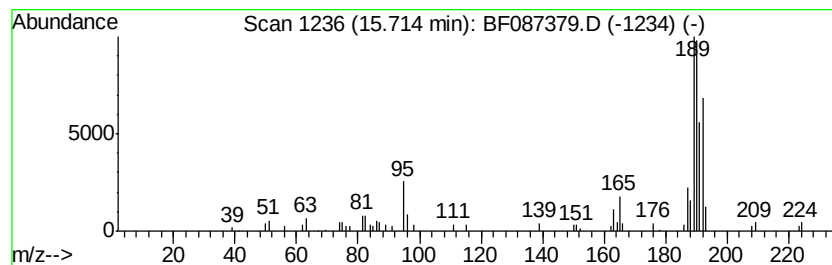
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	2.96 ng	102176	Phenanthrene-d10	14.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyd, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3			Pyrazole-4-carboxaldehyd, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	47
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087379.D
Acq On : 25 May 2016 19:01
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

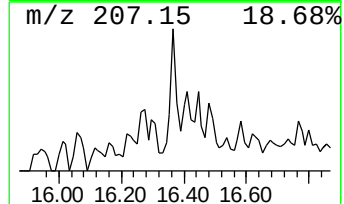
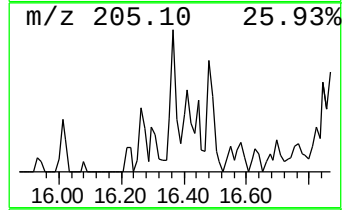
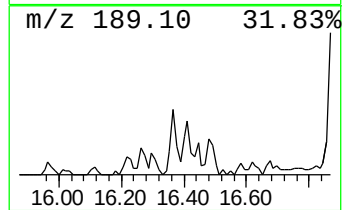
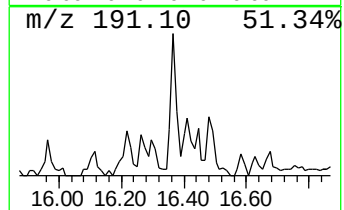
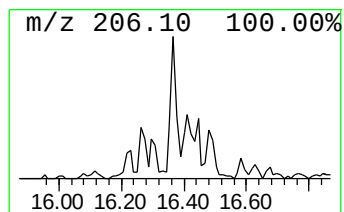
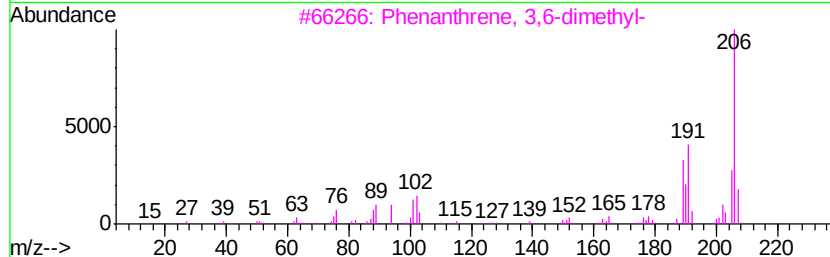
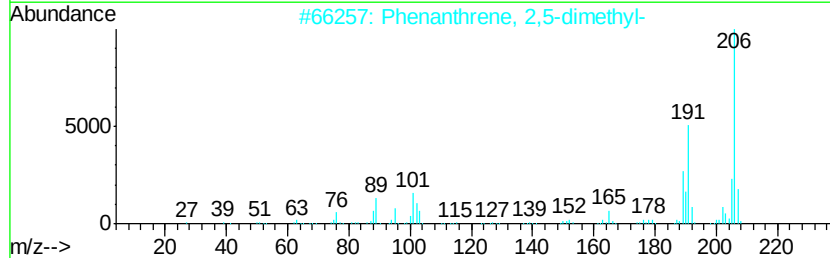
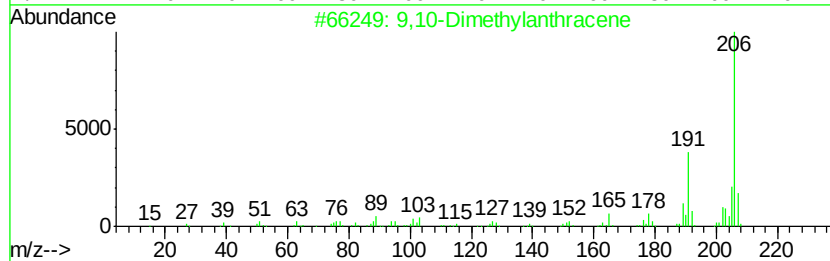
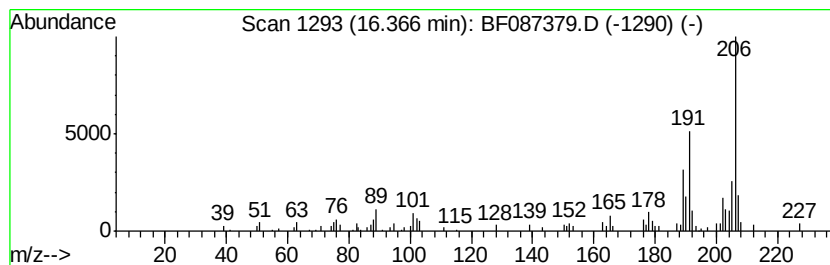
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Dimethylantracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.35 ng	115453	Phenanthrene-d10	14.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene			206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-			206	C16H14	003674-66-6	91
3	Phenanthrene, 3,6-dimethyl-			206	C16H14	001576-67-6	89
4	1,3-Diphenyl-3-methylcyclopropene			206	C16H14	086544-79-8	87
5	Phenanthrene, 1,7-dimethyl-			206	C16H14	000483-87-4	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087379.D
Acq On : 25 May 2016 19:01
Operator : UM/SJ
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Misc :
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ClientSampleId :
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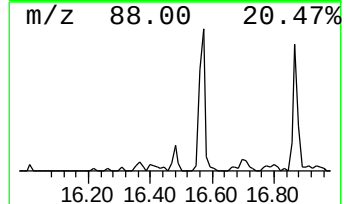
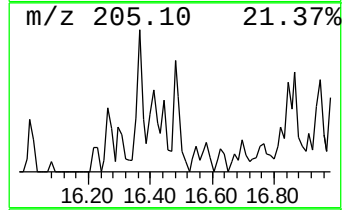
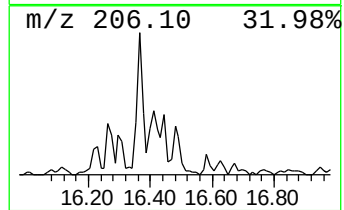
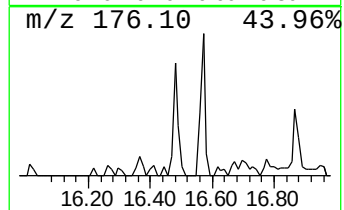
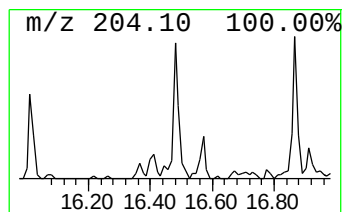
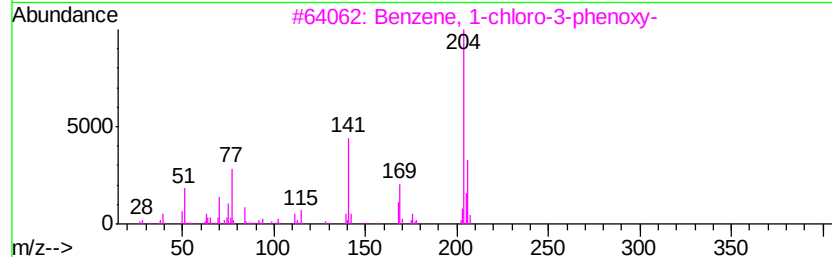
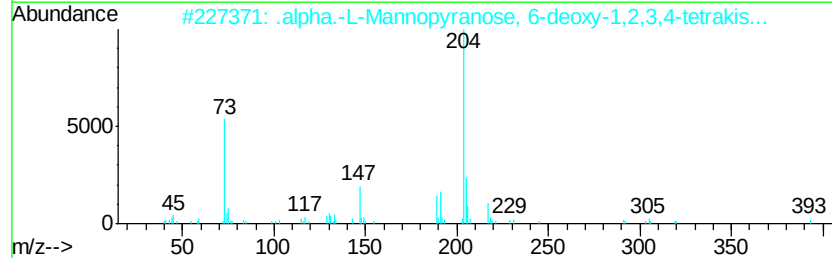
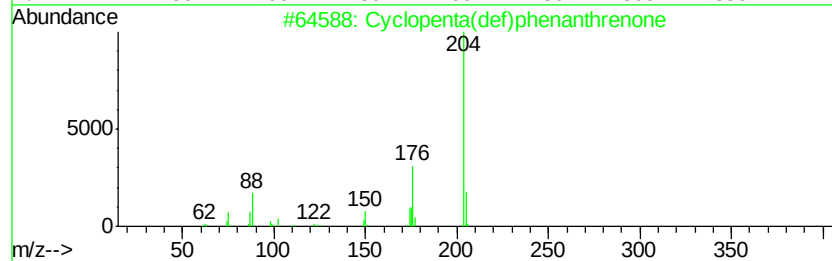
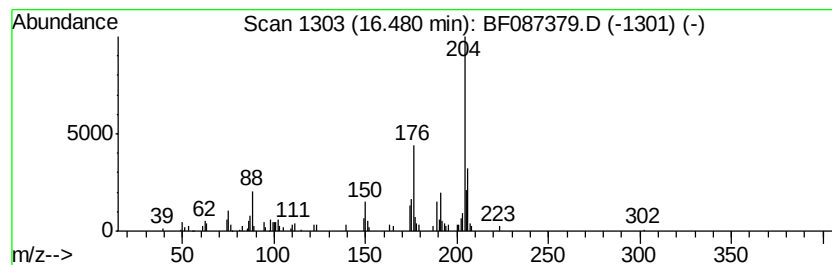
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	2.74 ng	94684	Phenanthrene-d10	14.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2		.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47
3		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		Glucopyranose, 4,6-di-O-methyl-1...	424	C17H40O6Si3	055400-23-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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Acq On : 25 May 2016 19:01
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Misc :
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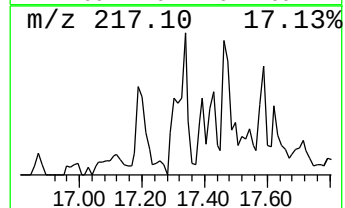
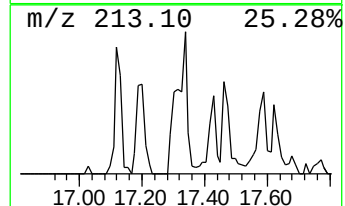
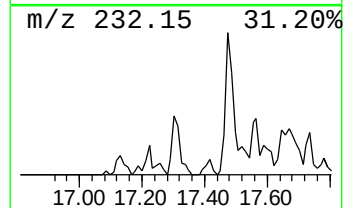
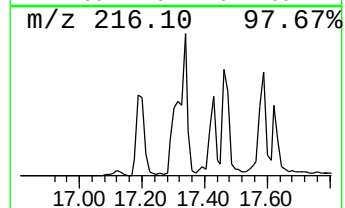
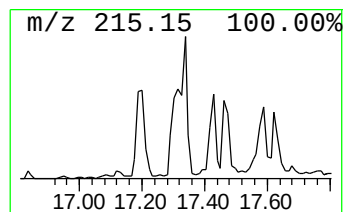
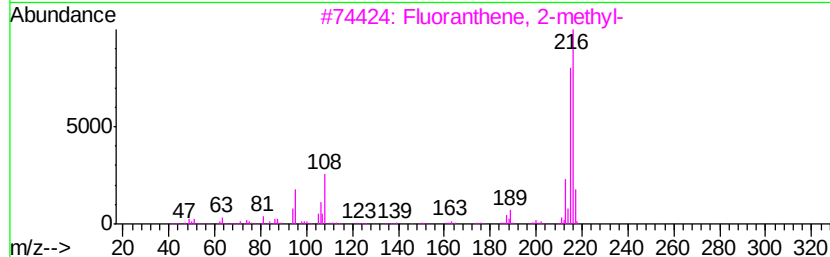
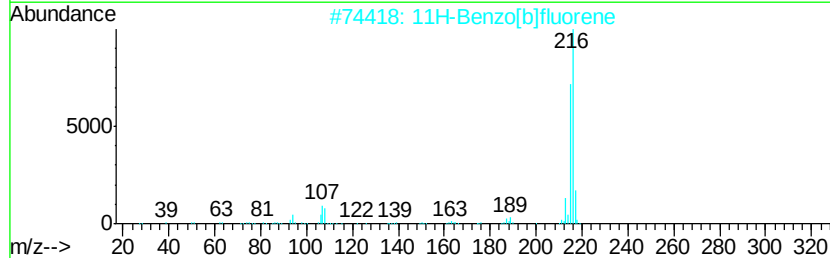
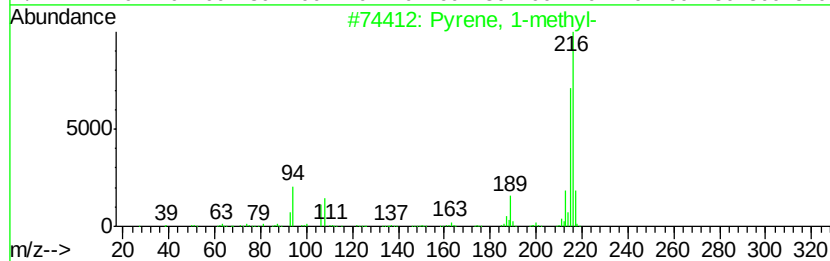
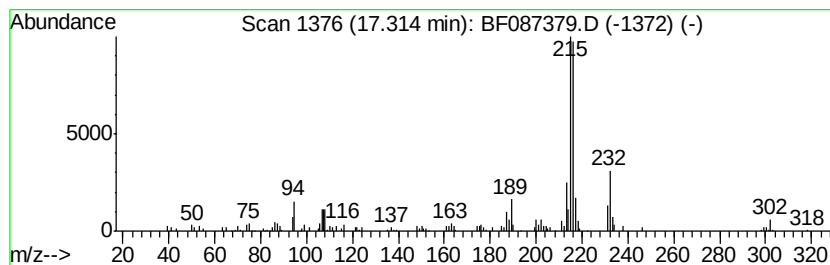
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	3.22 ng	196563	Chrysene-d12	18.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 86
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 68
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 58
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 50
5		Benzoic acid, 3-(3,5-dimethyl-1-...	216 C12H12N2O2	312531-88-7 49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087379.D
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Sample : H3211-07
Misc :
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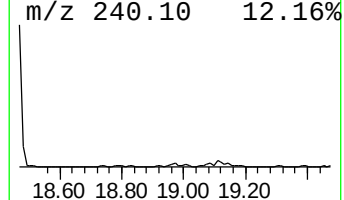
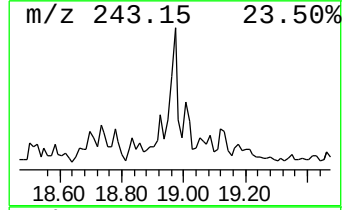
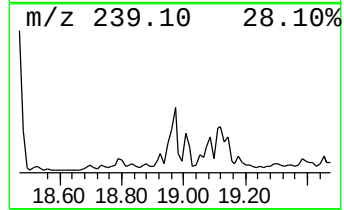
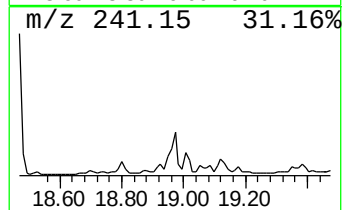
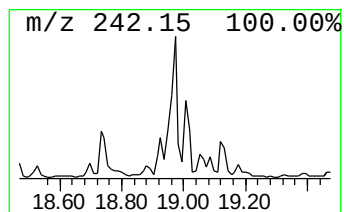
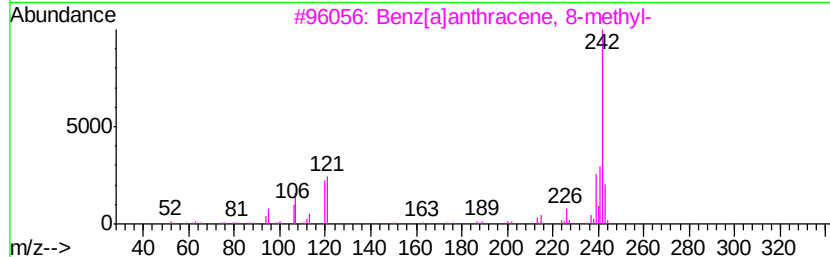
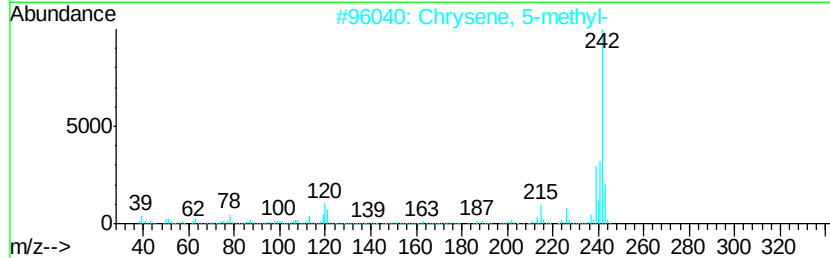
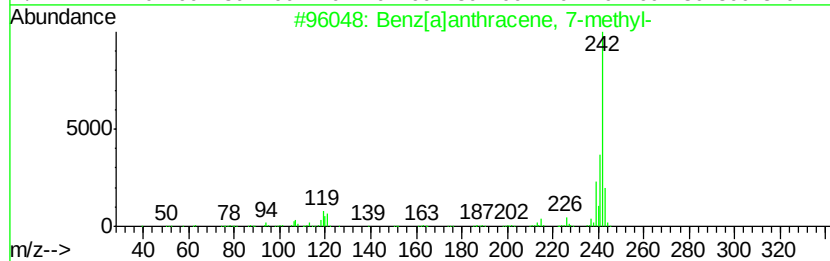
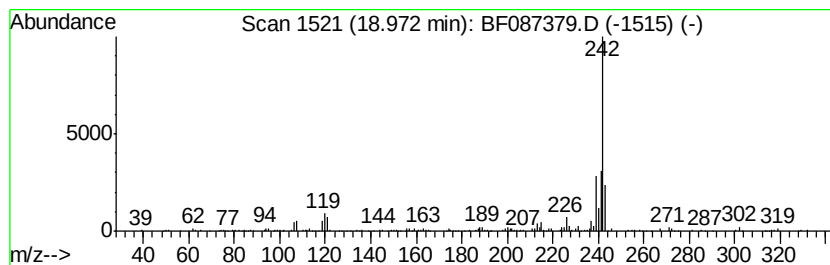
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.97	3.93 ng	239993	Chrysene-d12	18.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[<i>a</i>]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	94
3	Benz[<i>a</i>]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5	1H-Benz[<i>f</i>]indene, 2-phenyl-	242	C19H14	1000305-22-4	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087379.D
Acq On : 25 May 2016 19:01
Operator : UM/SJ
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Misc :
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ClientSampleId :
TA-1315-(0-4)

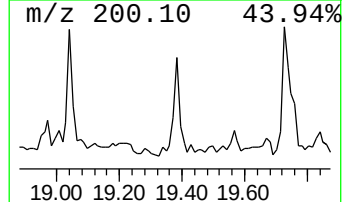
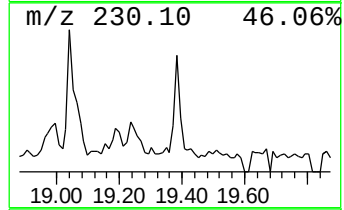
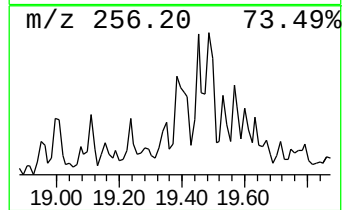
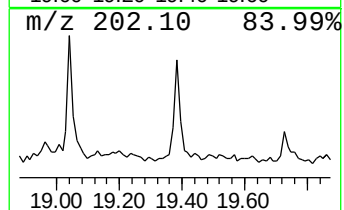
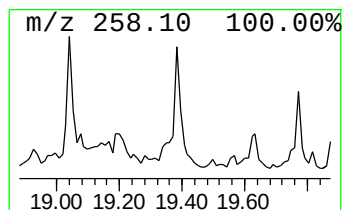
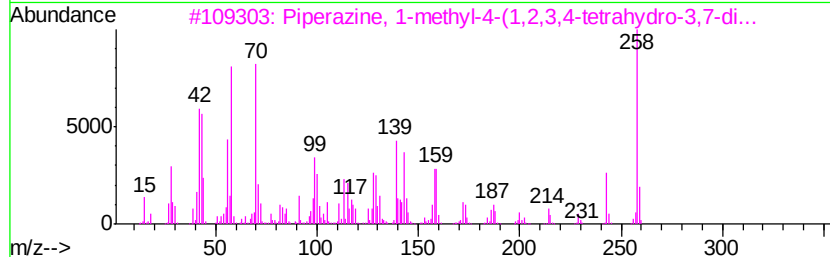
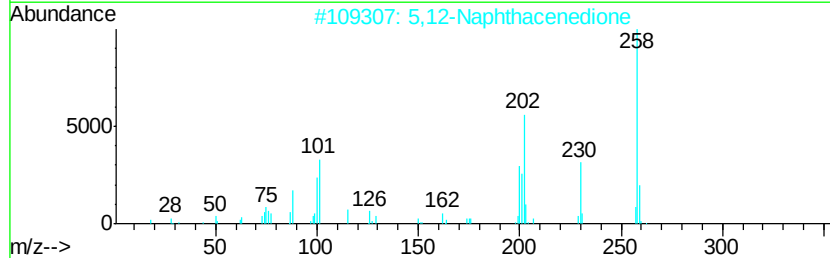
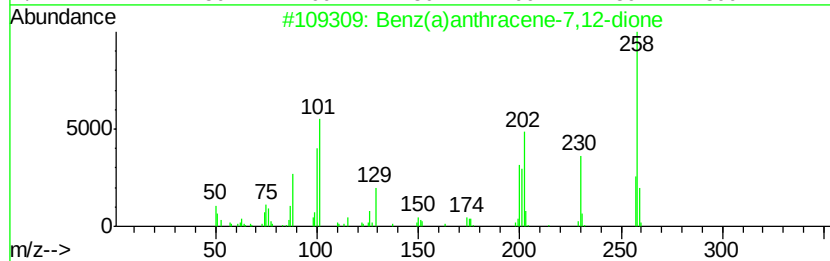
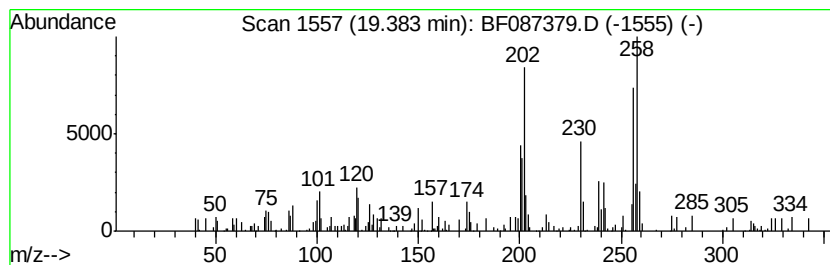
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz(a)anthracene-7,12-dione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	4.26 ng	90010	Perylene-d12	20.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
3		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	59
4		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	45
5		9-Bromoanthracene	256	C14H9Br	001564-64-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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Acq On : 25 May 2016 19:01
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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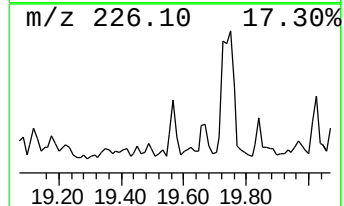
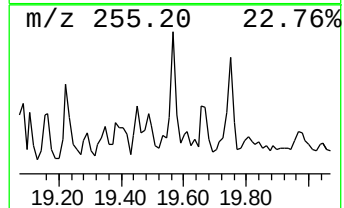
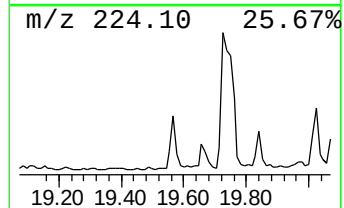
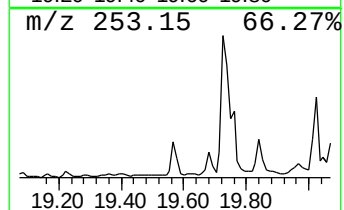
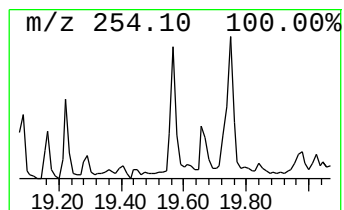
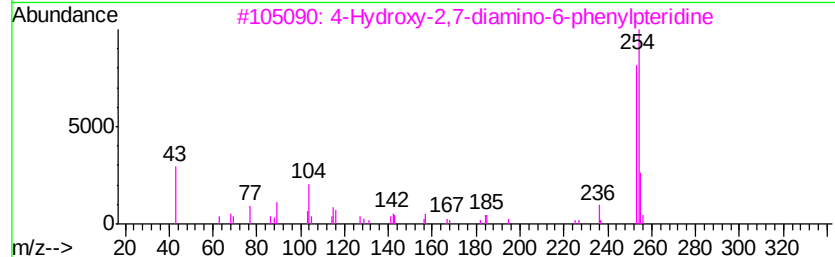
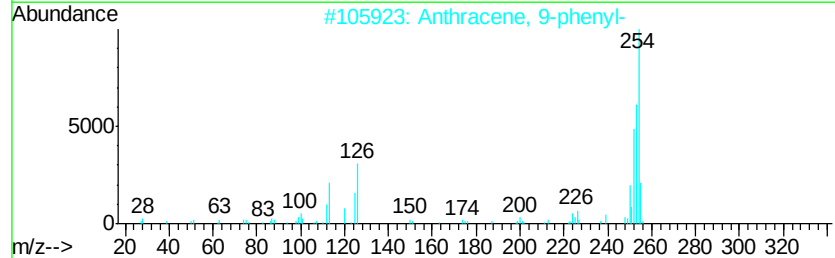
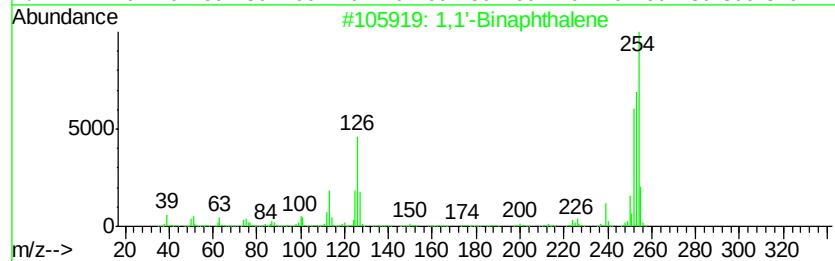
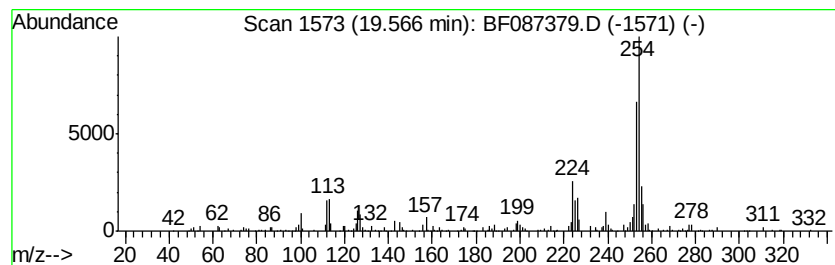
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	3.88 ng	81848	Perylene-d12	20.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Binaphthalene	254	C20H14	000604-53-5	89
2			Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
3			4-Hydroxy-2,7-diamino-6-phenylpt...	254	C12H10N6O	019375-89-4	62
4			Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
5			2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087379.D
Acq On : 25 May 2016 19:01
Operator : UM/SJ
Sample : H3211-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

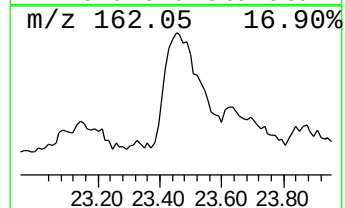
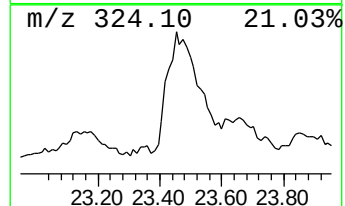
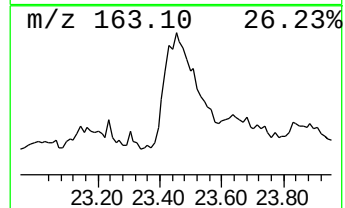
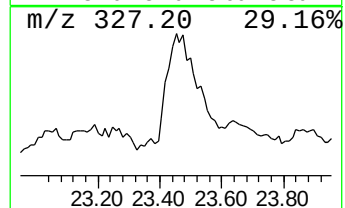
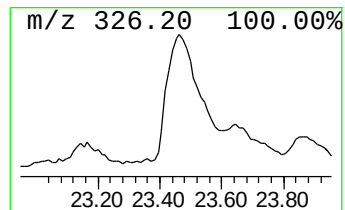
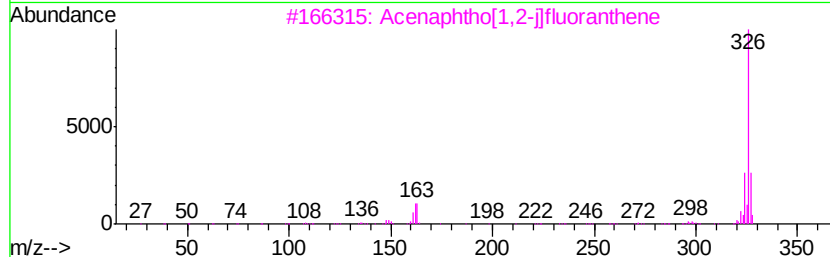
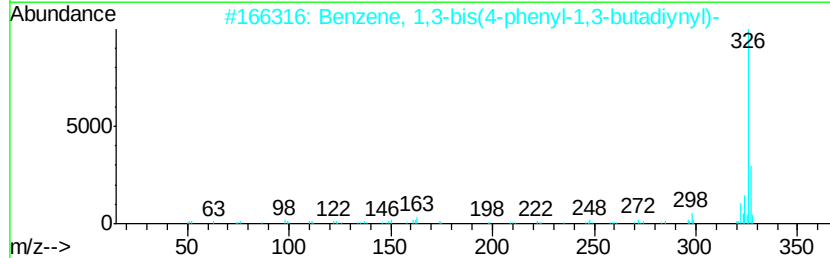
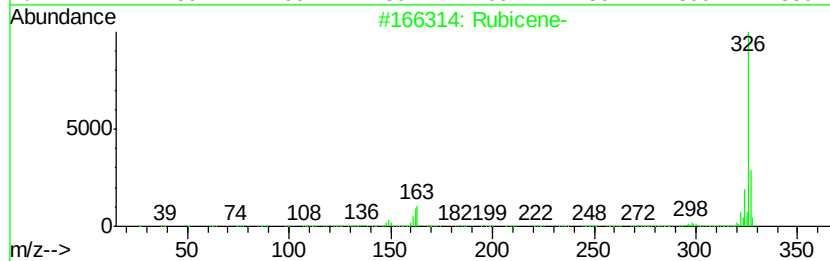
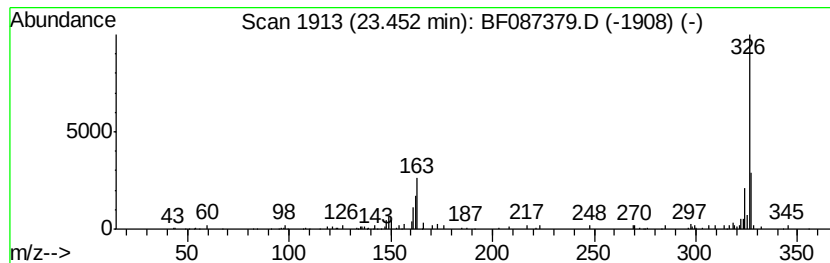
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Rubicene- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	7.52 ng	158876	Perylene-d12	20.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Rubicene-	326	C26H14	000197-61-5	91
2		Benzene, 1,3-bis(4-phenyl-1,3-bu...	326	C26H14	037902-13-9	87
3		Acenaphtho[1,2-ilfluoranthene	326	C26H14	000193-21-5	62
4		4-(3-Nitroanilino)-5,6,7,8-tetra...	326	C16H14N4O2S	313952-58-8	47
5		Bis(pentamethylcyclopentadienyl)...	326	C20H30Fe	012126-50-0	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087379.D
Acq On : 25 May 2016 19:01
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Sample : H3211-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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...	4.76	6.5	ng	225357	1	7.52	689726	20.0
unknown7.16	7.16	87.7	ng	3025260	1	7.52	689726	20.0
Hexadecane	13.21	3.1	ng	143254	3	12.38	933013	20.0
Tridecane	13.58	2.7	ng	93117	4	14.77	690078	20.0
Benzaldehyde, 3,5...	15.71	3.0	ng	102176	4	14.77	690078	20.0
9,10-Dimethylanth...	16.37	3.4	ng	115453	4	14.77	690078	20.0
Cyclopenta(def)ph...	16.48	2.7	ng	94684	4	14.77	690078	20.0
Pyrene, 1-methyl-	17.31	3.2	ng	196563	5	18.47	1221840	20.0
Benz[a]anthracene...	18.97	3.9	ng	239993	5	18.47	1221840	20.0
Benz(a)anthracene...	19.38	4.3	ng	90010	6	20.14	422407	20.0
1,1'-Binaphthalene	19.57	3.9	ng	81848	6	20.14	422407	20.0
Rubicene-	23.45	7.5	ng	158876	6	20.14	422407	20.0