

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078755.D
 Acq On : 23 Apr 2015 18:33
 Operator : TP/IZ
 Sample : G1991-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-75S

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-BF040115.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	1.404	17	19	24	rBV	83197	162277	7.65%	1.311%
2	1.484	24	26	60	rVB	1095668	2120280	100.00%	17.124%
3	3.256	179	181	191	rVB	47914	71487	3.37%	0.577%
4	3.770	224	226	235	rBV	344219	428964	20.23%	3.464%
5	5.256	354	356	365	rBV	259160	452542	21.34%	3.655%
6	5.393	365	368	371	rVV	389512	475067	22.41%	3.837%
7	5.759	397	400	403	rBV	104414	150468	7.10%	1.215%
8	5.987	418	420	423	rBV	293048	361763	17.06%	2.922%
9	6.696	479	482	489	rBB	207613	283867	13.39%	2.293%
10	7.908	584	588	591	rBV	157777	235599	11.11%	1.903%
11	9.919	761	764	767	rBV	397793	585170	27.60%	4.726%
12	10.731	832	835	838	rVB	20349	23868	1.13%	0.193%
13	11.096	864	867	870	rBV	195905	256897	12.12%	2.075%
14	12.559	992	995	1000	rVB	239737	358840	16.92%	2.898%
15	13.028	1032	1036	1040	rBV3	9617	26388	1.24%	0.213%
16	13.828	1103	1106	1108	rBV	205481	283174	13.36%	2.287%
17	13.874	1108	1110	1112	rVV	92248	133236	6.28%	1.076%
18	13.965	1116	1118	1121	rVB	22646	30172	1.42%	0.244%
19	14.720	1181	1184	1185	rBV	18531	24709	1.17%	0.200%
20	14.754	1185	1187	1192	rVB	22340	36079	1.70%	0.291%
21	14.868	1195	1197	1199	rVV2	19757	34545	1.63%	0.279%
22	15.223	1225	1228	1233	rBV3	13051	33220	1.57%	0.268%
23	15.771	1273	1276	1280	rVB2	275764	358312	16.90%	2.894%
24	15.977	1292	1294	1298	rBV3	11899	22208	1.05%	0.179%
25	16.080	1300	1303	1306	rVV	261674	328003	15.47%	2.649%
26	16.183	1306	1312	1314	rVV2	16047	26325	1.24%	0.213%
27	16.286	1319	1321	1322	rBV	15273	21603	1.02%	0.174%
28	16.377	1326	1329	1331	rVV	635925	708907	33.43%	5.725%
29	16.423	1331	1333	1335	rVB	14030	24708	1.17%	0.200%
30	16.537	1341	1343	1344	rBV2	18771	33500	1.58%	0.271%
31	16.571	1344	1346	1349	rVB	35172	48417	2.28%	0.391%
32	16.663	1351	1354	1356	rBV	21000	37524	1.77%	0.303%
33	16.697	1356	1357	1362	rBV2	22676	48720	2.30%	0.393%
34	17.246	1403	1405	1407	rBV	29328	31412	1.48%	0.254%

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

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

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35	17.383	1415	1417	1419	rBV2	18495	31262	1.47%	0.252%
36	17.429	1419	1421	1424	rVV2	29584	52300	2.47%	0.422%
37	17.486	1424	1426	1428	rVV2	19628	36102	1.70%	0.292%
38	17.531	1428	1430	1432	rVB	18776	23960	1.13%	0.194%
39	17.714	1441	1446	1447	rBV2	327408	636584	30.02%	5.141%
40	17.749	1447	1449	1451	rVB	121737	168556	7.95%	1.361%
41	17.840	1455	1457	1460	rVB2	20810	34199	1.61%	0.276%
42	17.977	1467	1469	1471	rBV2	20646	26766	1.26%	0.216%
43	18.263	1493	1494	1498	rBV3	23518	39170	1.85%	0.316%
44	18.423	1507	1508	1512	rVB2	34286	48747	2.30%	0.394%
45	18.503	1512	1515	1517	rBV2	32770	54509	2.57%	0.440%
46	18.629	1524	1526	1528	rBV2	26512	46409	2.19%	0.375%
47	18.834	1542	1544	1546	rBV	76361	91113	4.30%	0.736%
48	18.994	1556	1558	1563	rBV	134778	335526	15.82%	2.710%
49	19.074	1563	1565	1567	rVV2	41853	63789	3.01%	0.515%
50	19.303	1583	1585	1587	rVB	90860	98770	4.66%	0.798%
51	19.372	1589	1591	1594	rVB2	93661	200986	9.48%	1.623%
52	19.429	1594	1596	1598	rBV	280191	340530	16.06%	2.750%
53	19.577	1605	1609	1611	rVB2	91688	222203	10.48%	1.795%
54	19.897	1634	1637	1642	rVB3	99470	192944	9.10%	1.558%
55	20.046	1647	1650	1659	rVB	170906	430028	20.28%	3.473%
56	20.309	1671	1673	1675	rBV2	53883	78090	3.68%	0.631%
57	20.366	1675	1678	1681	rVB	135190	226287	10.67%	1.828%
58	20.595	1695	1698	1702	rVB2	85303	179451	8.46%	1.449%
59	20.777	1712	1714	1716	rVB	41377	57438	2.71%	0.464%
60	20.903	1722	1725	1729	rVB	83058	138477	6.53%	1.118%
61	21.406	1766	1769	1772	rVB4	23388	51542	2.43%	0.416%
62	21.955	1814	1817	1825	rVB4	55219	156336	7.37%	1.263%
63	22.480	1861	1863	1869	rVB	22261	61704	2.91%	0.498%

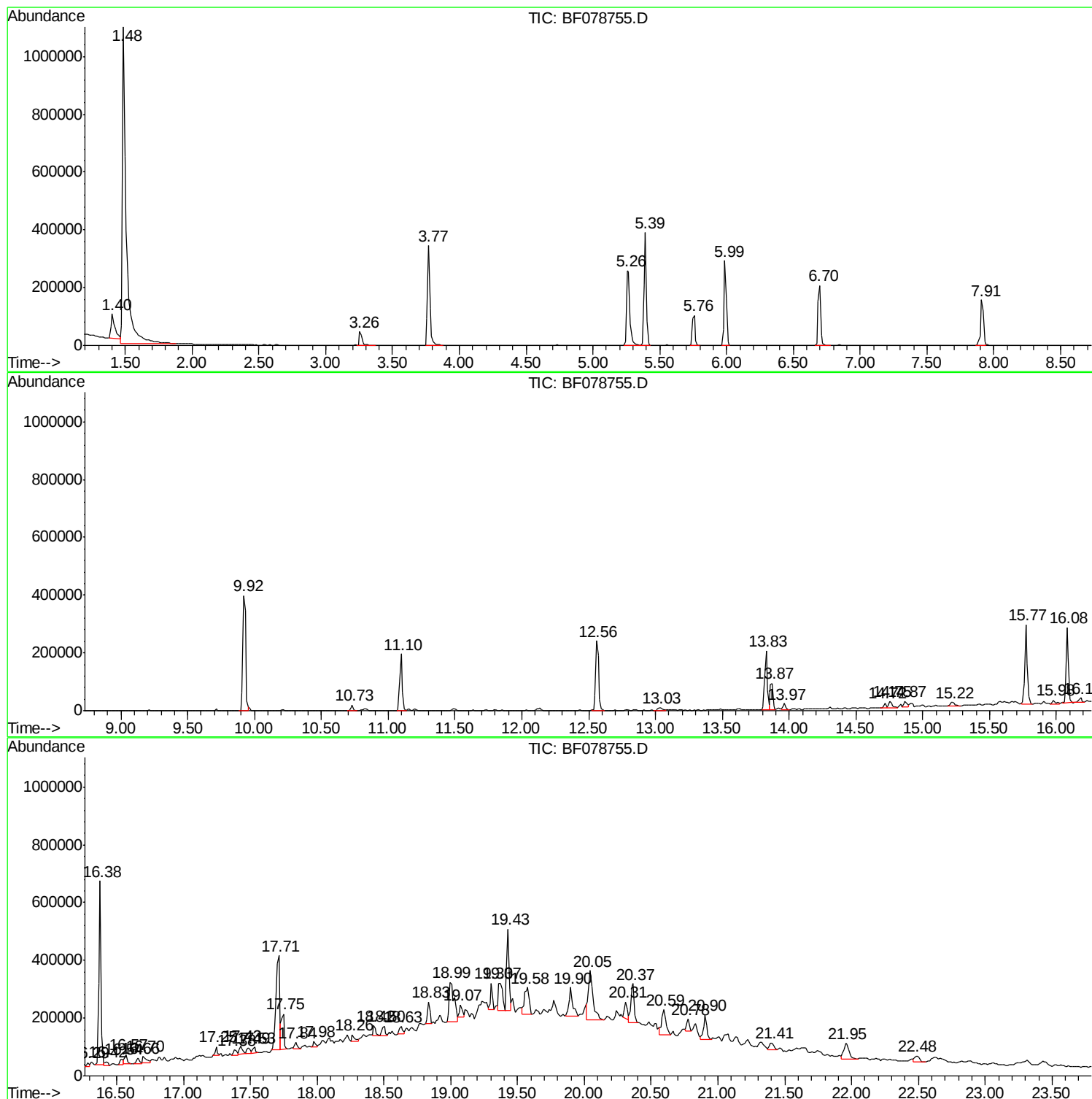
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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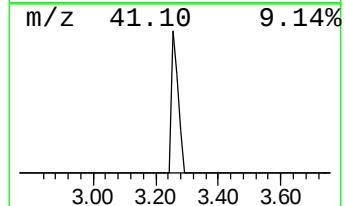
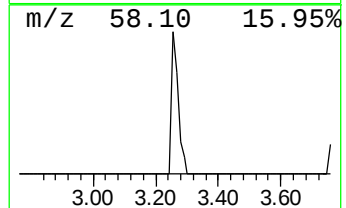
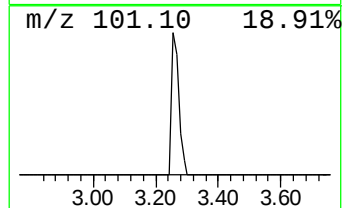
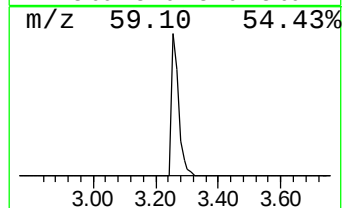
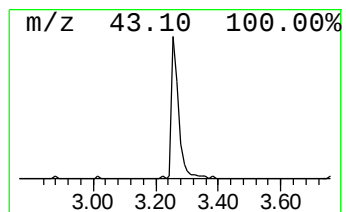
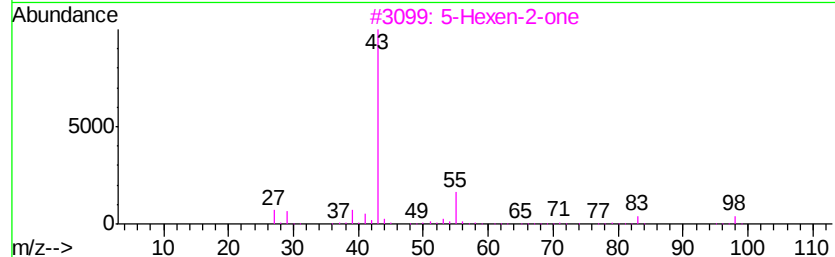
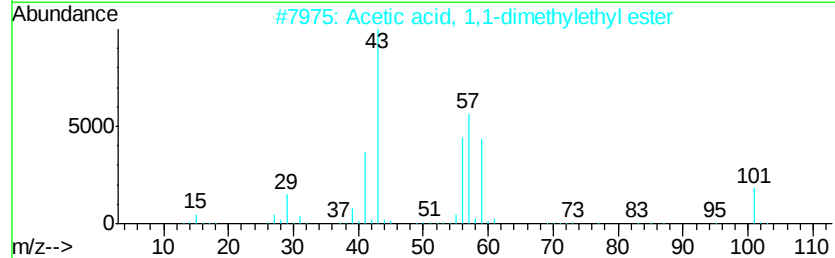
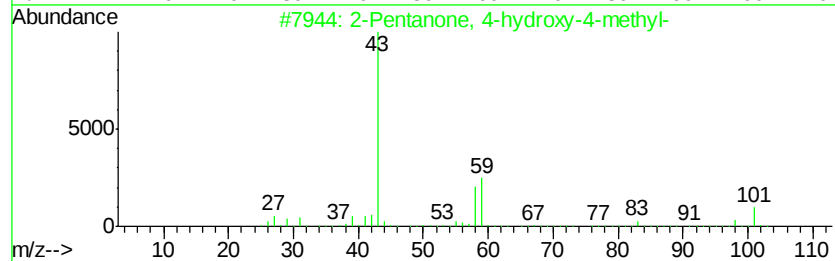
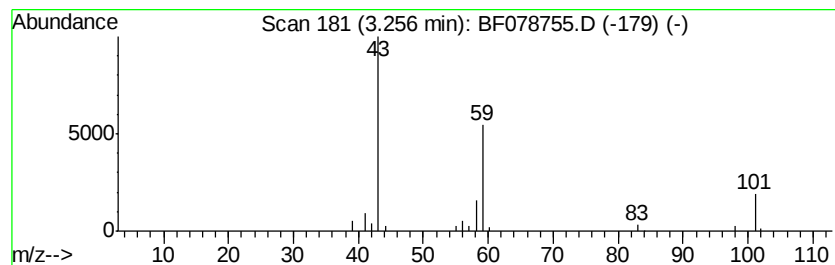
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	9.50 ng	71487	1,4-Dichlorobenzene-d4	5.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39	
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9	
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9	



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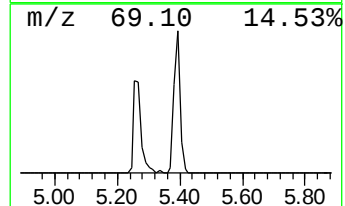
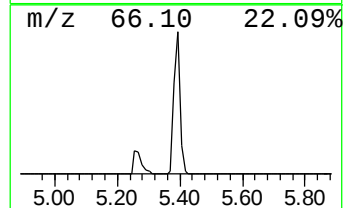
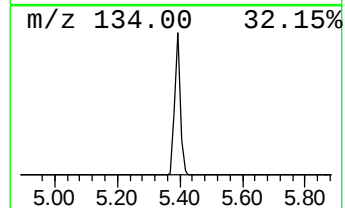
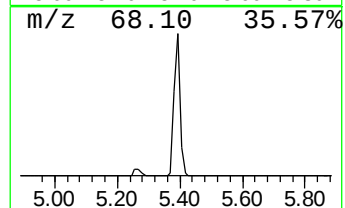
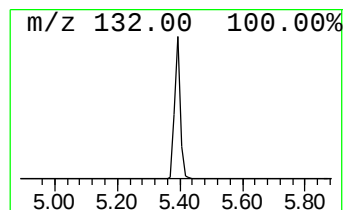
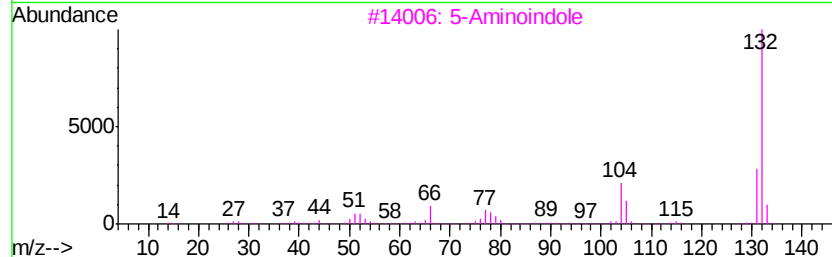
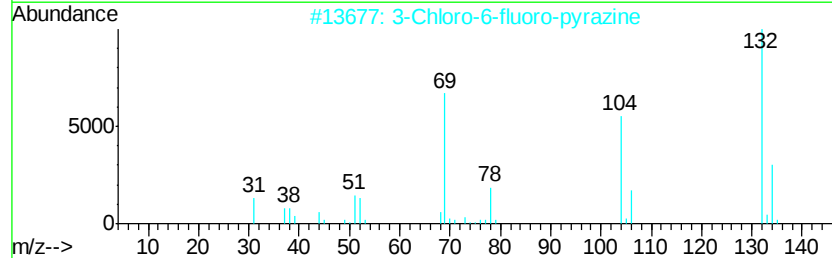
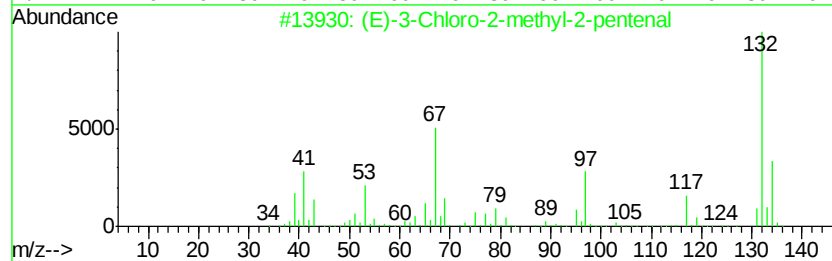
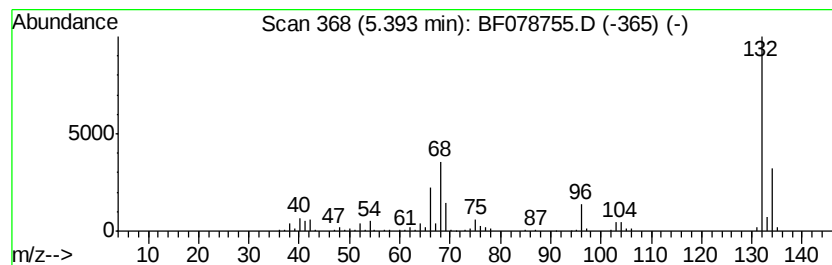
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown5.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	63.15 ng	475067	1,4-Dichlorobenzene-d4	5.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35	
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25	
3	5-Aminoindole	132	C8H8N2	005192-03-0	12	
4	Xenon	132	Xe	007440-63-3	9	
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9	



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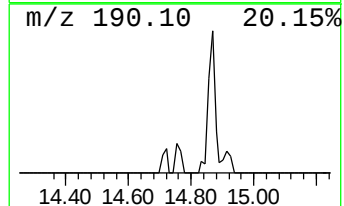
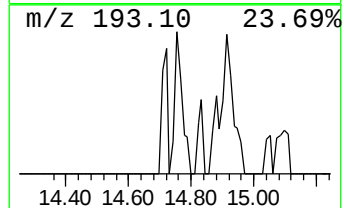
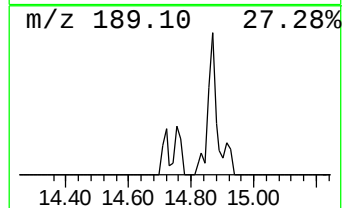
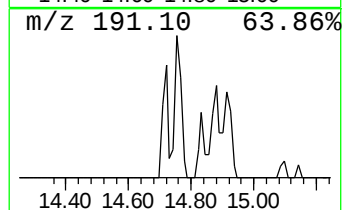
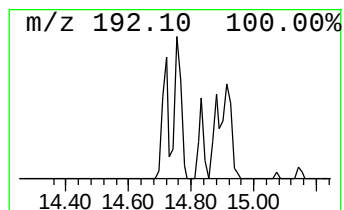
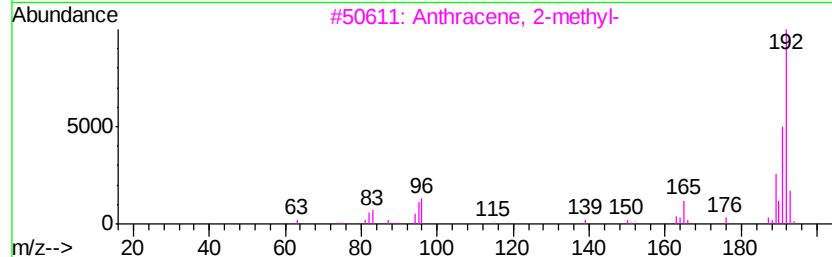
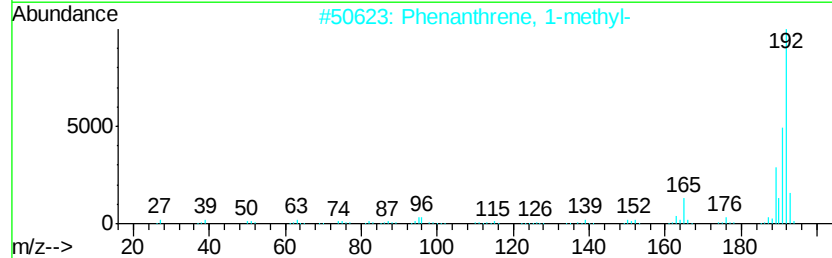
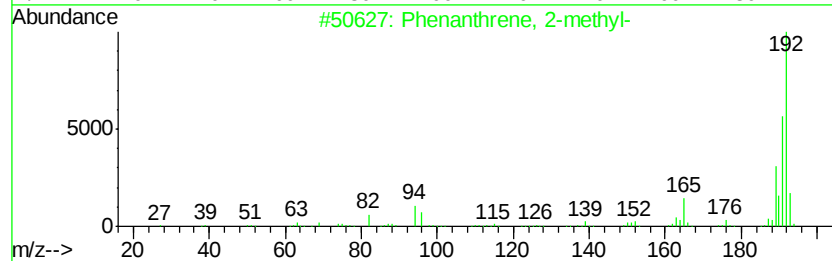
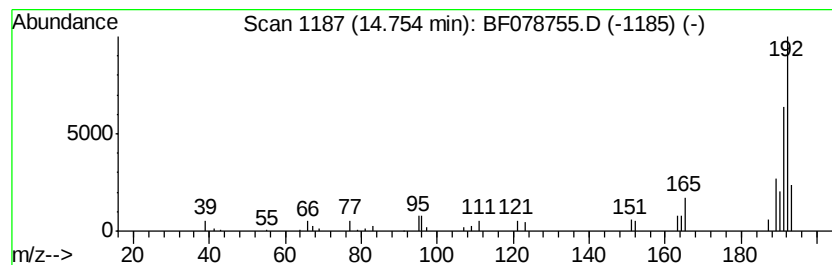
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.55 ng	36079	Phenanthrene-d10	13.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	72



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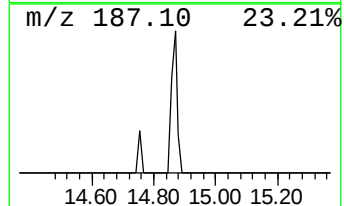
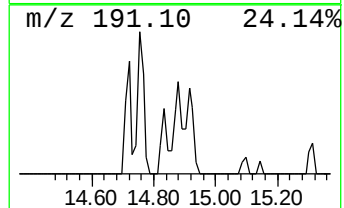
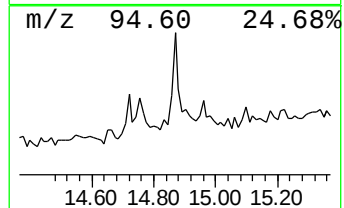
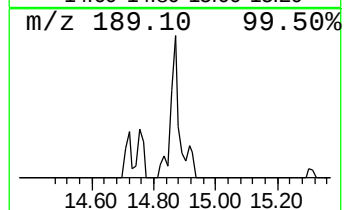
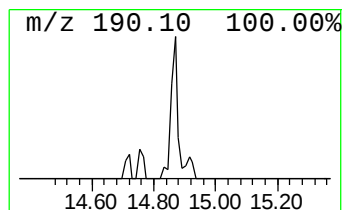
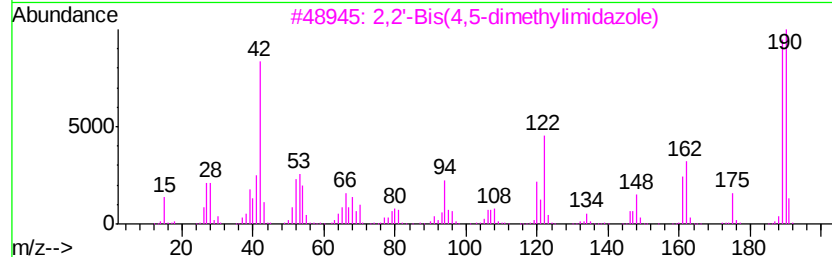
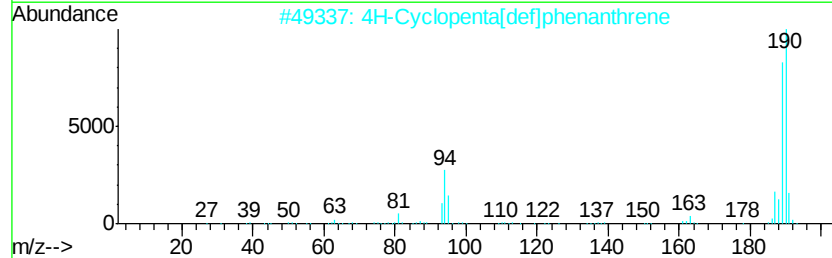
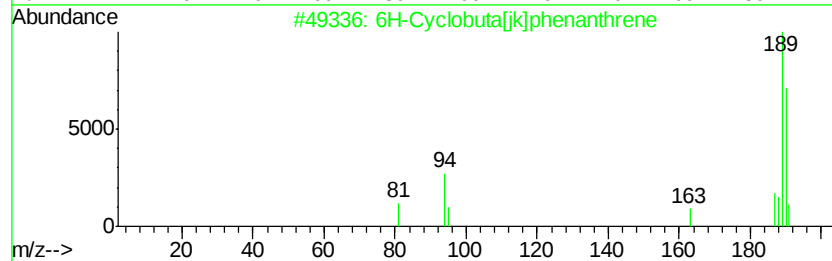
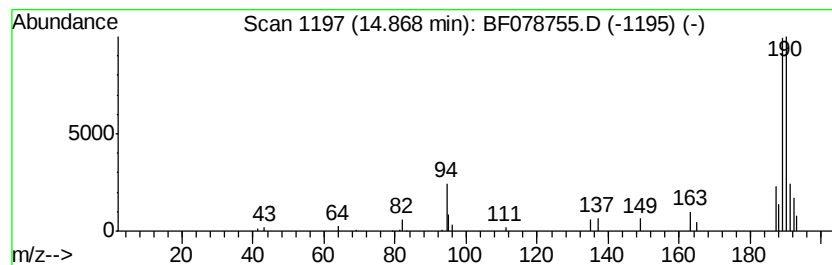
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 7 6H-Cyclobuta[jk]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	2.44 ng	34545	Phenanthrene-d10	13.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	80	
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	78	
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45	
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	33	
5	Dihydropyranno(3,2-g)chroman	190	C12H14O2	057052-79-6	25	



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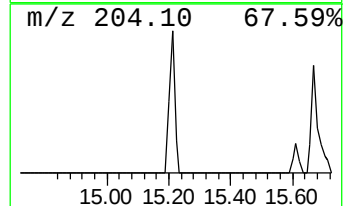
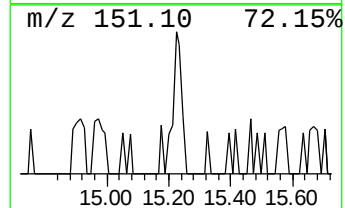
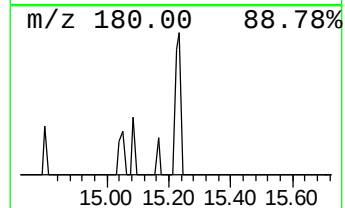
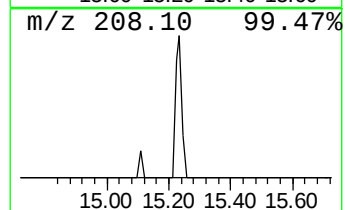
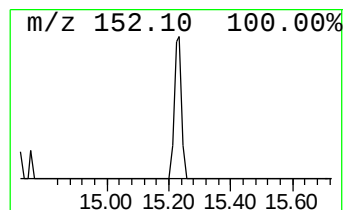
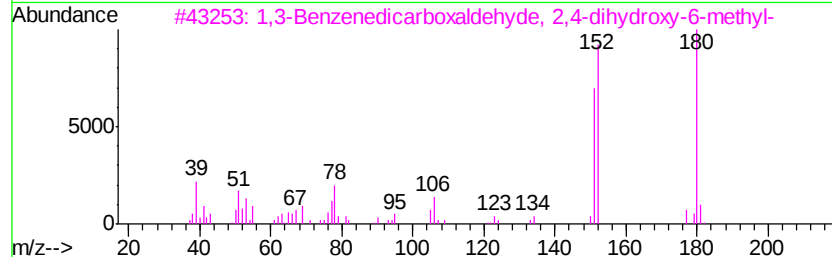
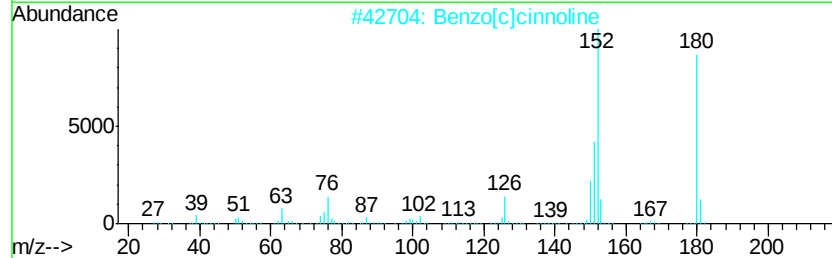
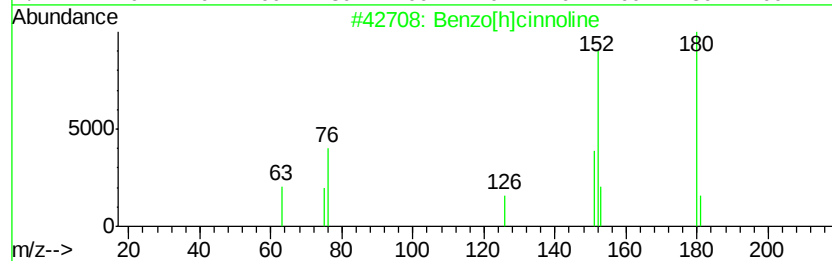
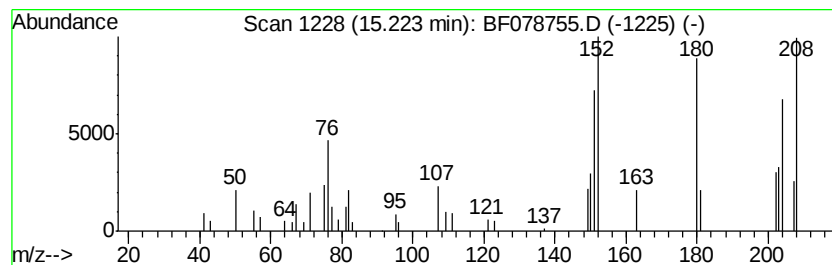
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown15.22 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	2.35 ng	33220	Phenanthrene-d10	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	43
3		1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	38
4		Benzenethanamine, 3,4-dimethoxy-	181	C10H15NO2	000120-20-7	14
5		3-Ethoxy-4-methoxybenzaldehyde	180	C10H12O3	001131-52-8	12



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
Acq On : 23 Apr 2015 18:33
Operator : TP/IZ
Sample : G1991-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

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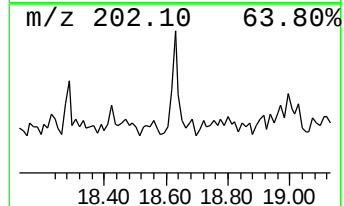
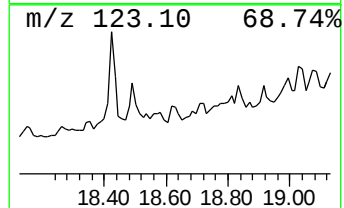
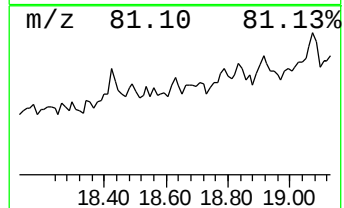
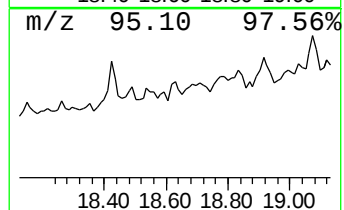
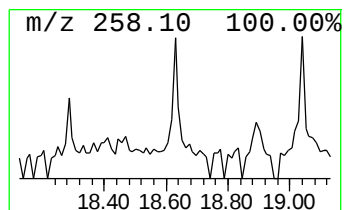
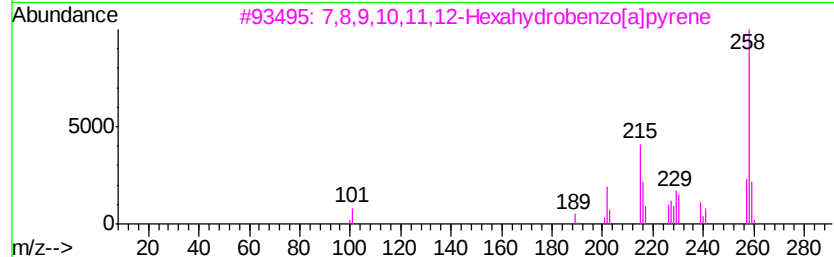
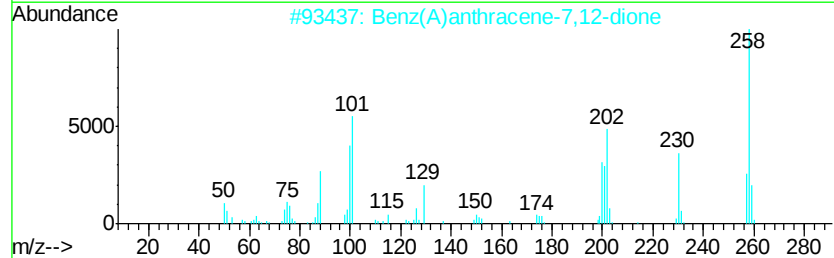
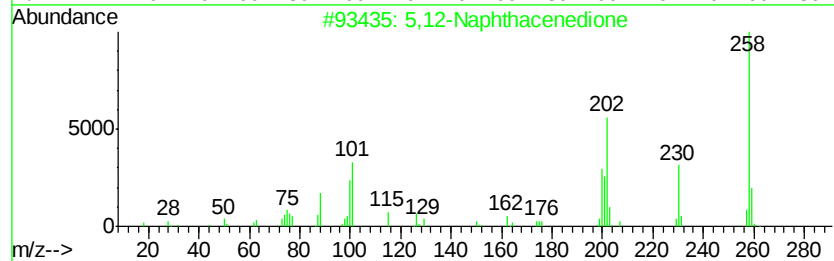
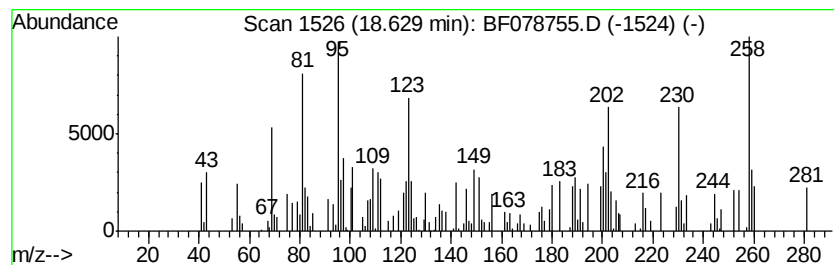
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown18.63 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	2.73 ng	46409	Perylene-d12	19.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione			258	C18H10O2	001090-13-7	42
2	Benz(A)anthracene-7,12-dione			258	C18H10O2	002498-66-0	38
3	7,8,9,10,11,12-Hexahydrobenzo[a]...			258	C20H18	073712-71-7	27
4	4,5,7,8,9,10-Hexahydrobenzo[a]pv...			258	C20H18	073712-75-1	25
5	Piperidine, 1-(4-tert-butylbenzo...			259	C17H25NO	078718-58-8	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
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Acq On : 23 Apr 2015 18:33
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Misc :
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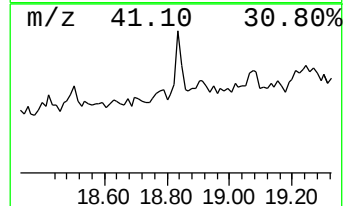
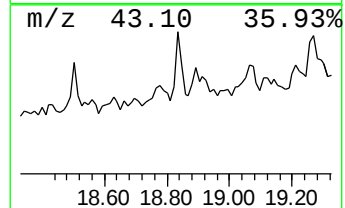
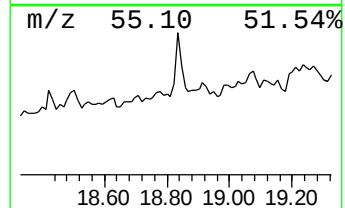
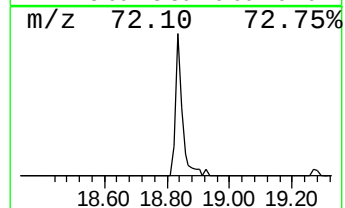
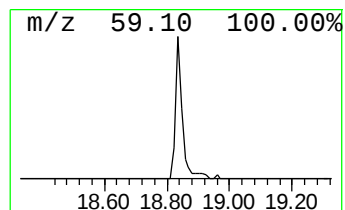
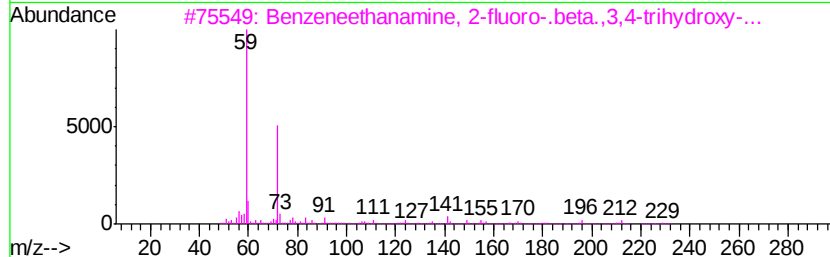
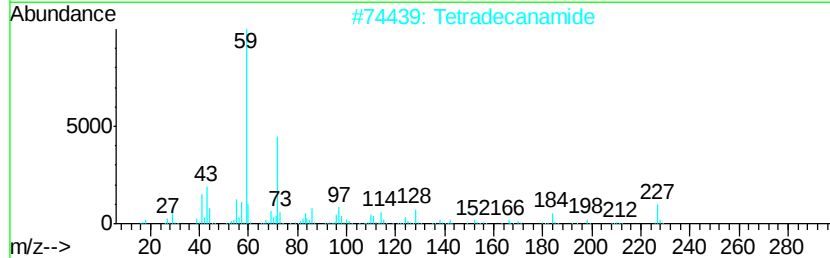
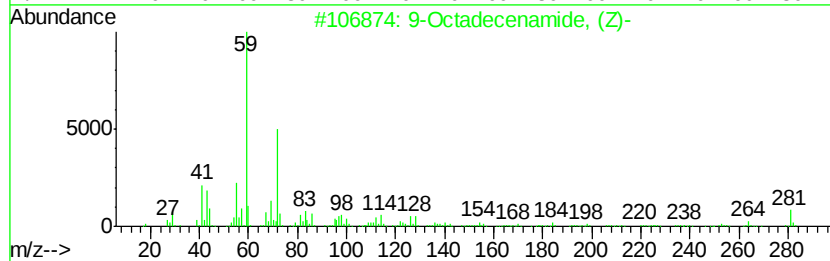
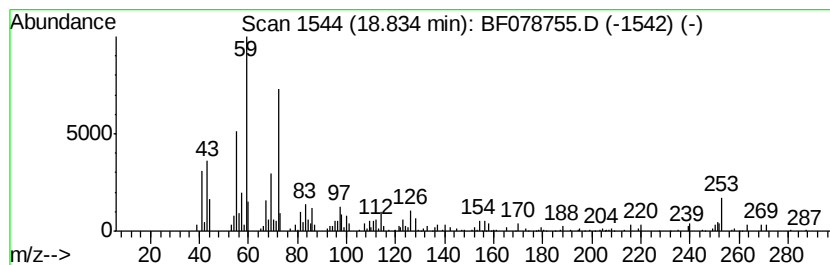
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9-Octadecenamide, (Z)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.35 ng	91113	Perylene-d12	19.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
2			Tetradecanamide	227	C14H29NO	000638-58-4	59
3			Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FN03	061338-98-5	53
4			Dodecanamide	199	C12H25NO	001120-16-7	53
5			5-Fluoroorotyl-N,N-dimethylhydra...	216	C7H9FN403	1000227-24-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
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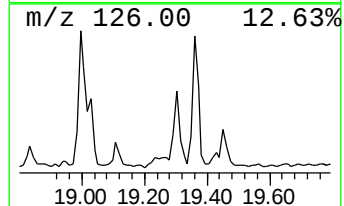
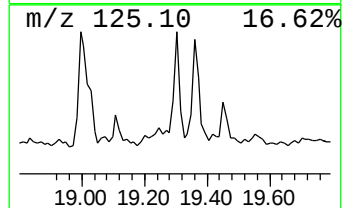
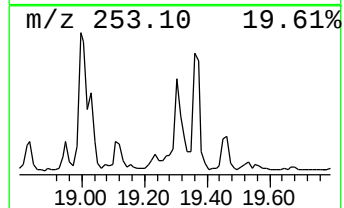
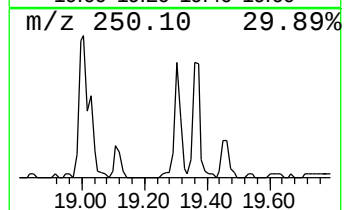
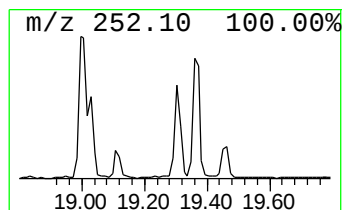
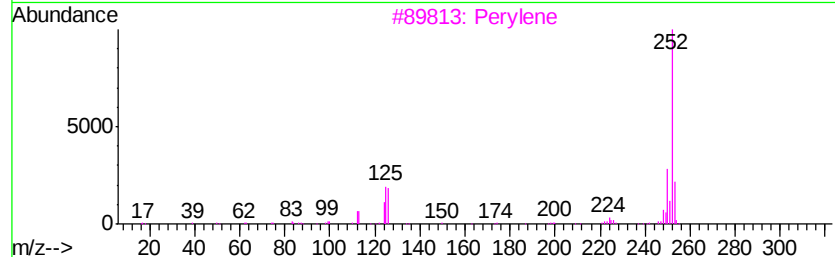
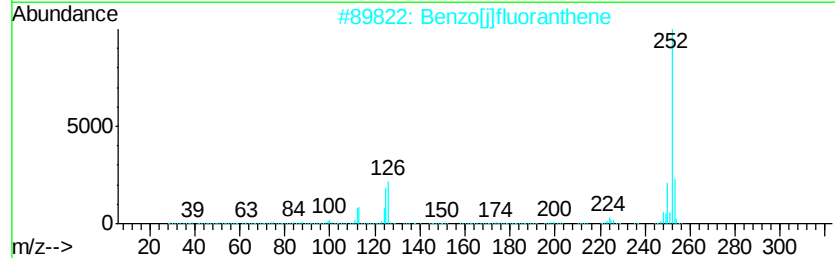
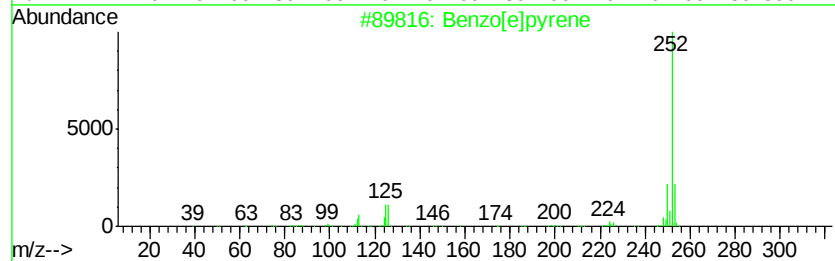
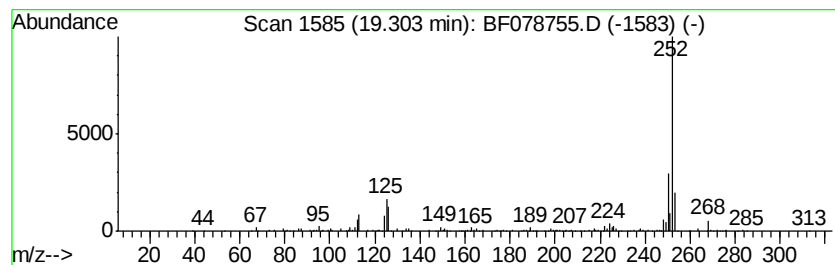
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
19.30	5.80 ng	98770	Perylene-d12		19.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[il]fluoranthene	252	C20H12	000205-82-3	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
Acq On : 23 Apr 2015 18:33
Operator : TP/IZ
Sample : G1991-02
Misc :
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ClientSampleId :
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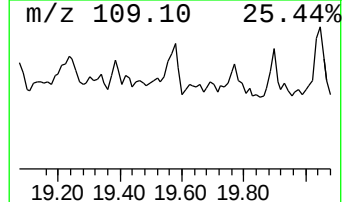
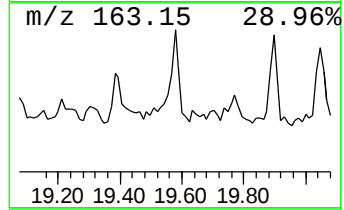
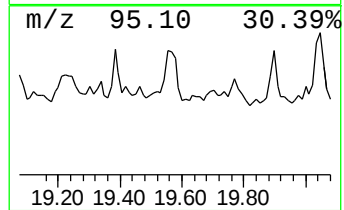
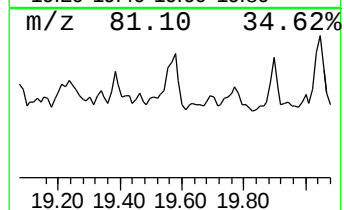
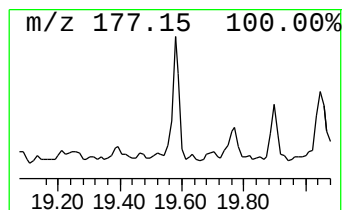
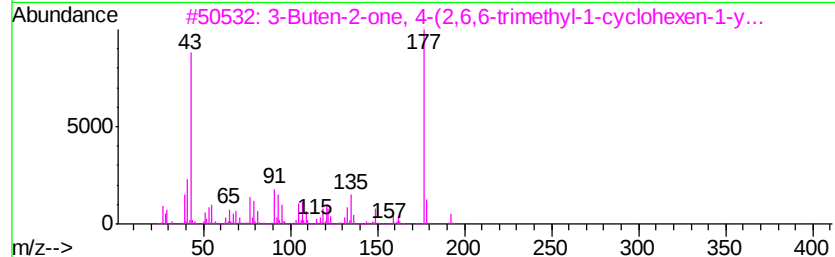
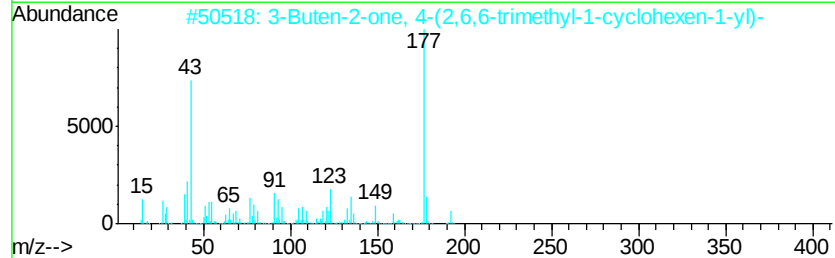
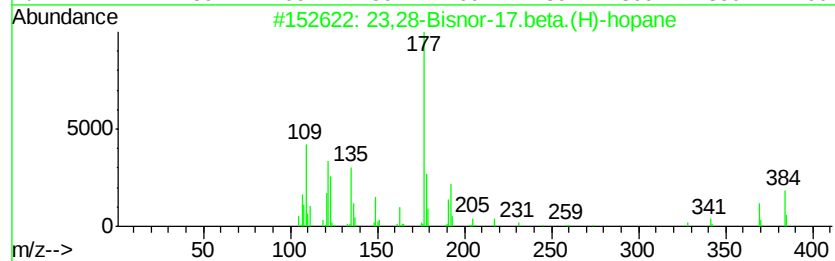
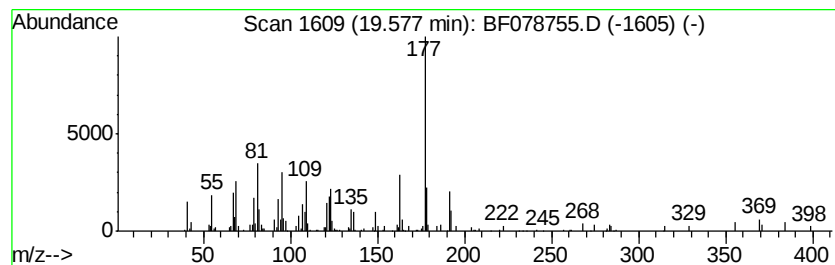
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 23,28-Bisnor-17.beta.(H)-ho... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	13.05 ng	222203	Perylene-d12	19.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	23,28-Bisnor-17.beta.(H)-hopane	384	C28H48	1000101-35-0	64
2		3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	49
3		3-Buten-2-one, 4-(2,6,6-trimethv...	192	C13H20O	000079-77-6	43
4		2H-1-Benzopyran, 3,5,6,8a-tetra...	192	C13H20O	041678-29-9	38
5		1,3,5,6-Tetramethyladamantane	192	C14H24	034694-70-7	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
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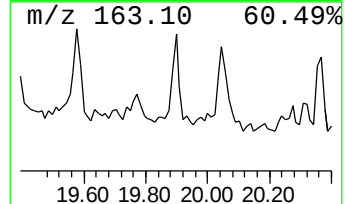
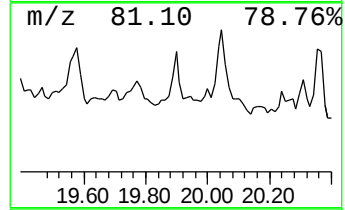
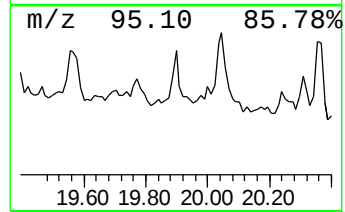
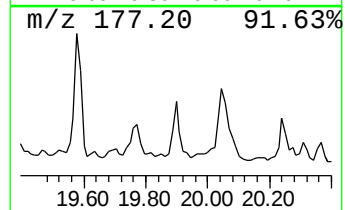
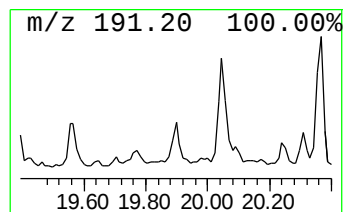
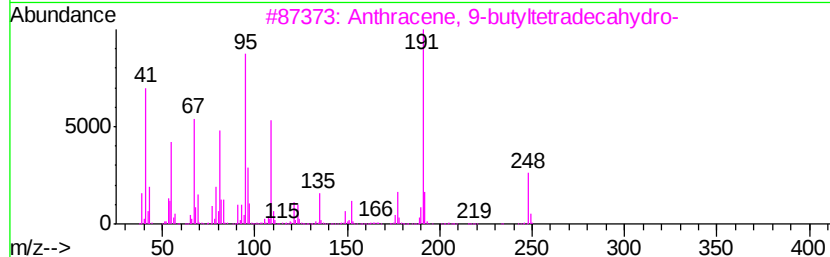
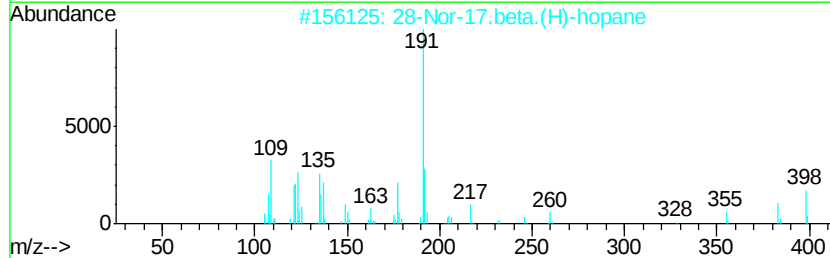
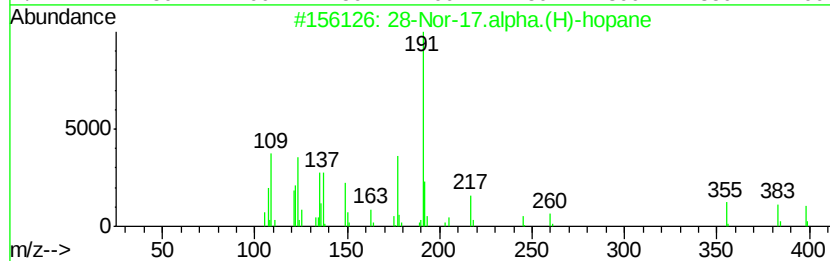
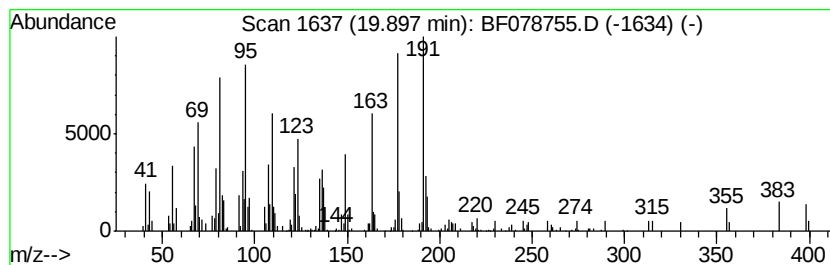
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 28-Nor-17.alpha.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	11.33 ng	192944	Perylene-d12	19.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.alpha.(H)-hopane	398 C29H50	053584-60-4	60
2	28-Nor-17.beta.(H)-hopane	398 C29H50	036728-72-0	53
3	Anthracene, 9-butyltetradecahydro-	248 C18H32	055133-89-6	38
4	Indole-2-carboxylic acid, 6-meth...	191 C10H9NO3	016732-73-3	25
5	Anthracene, 9-cyclohexyltetradec...	274 C20H34	055255-70-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
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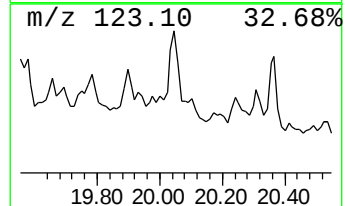
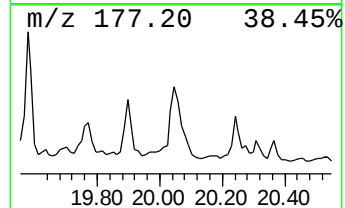
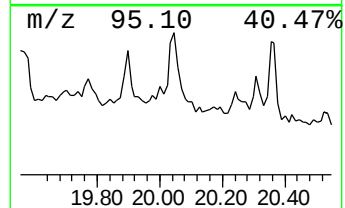
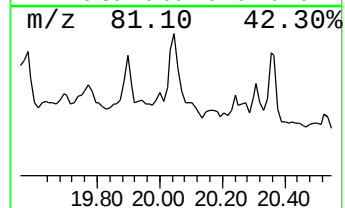
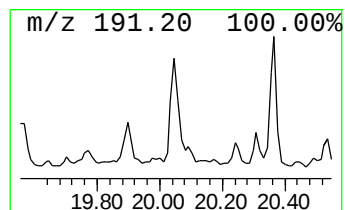
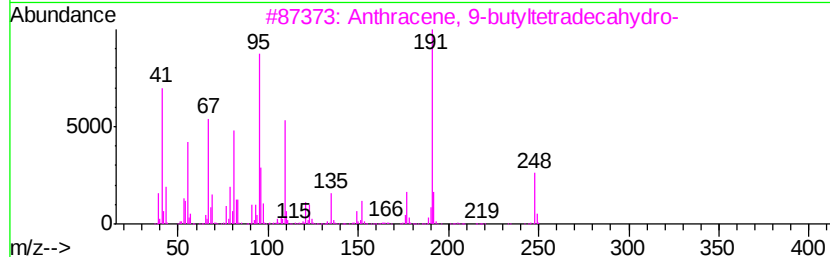
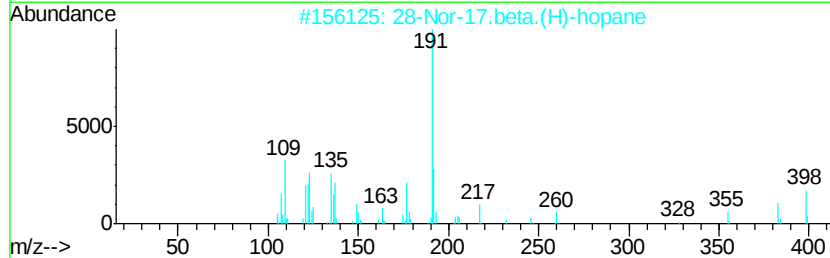
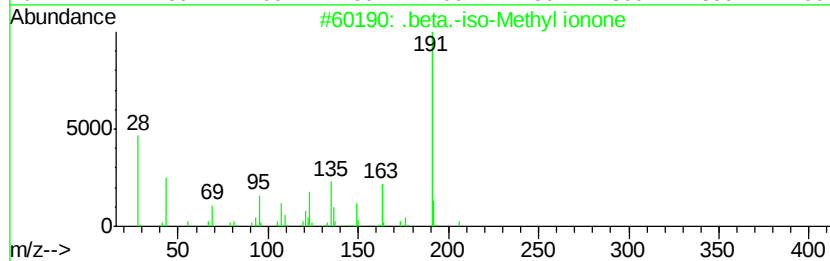
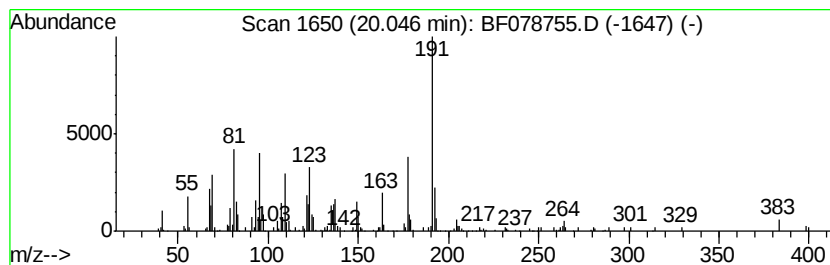
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown20.05 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	25.26 ng	430028	Perylene-d12	19.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	46
2		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	41
3		Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	40
4		Amiphenazole	191	C9H9N3S	000490-55-1	27
5		2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
Acq On : 23 Apr 2015 18:33
Operator : TP/IZ
Sample : G1991-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-75S

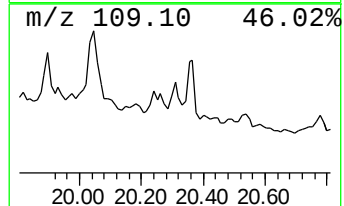
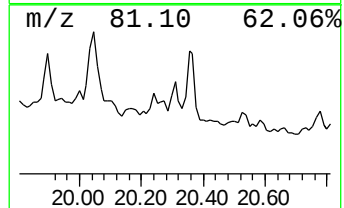
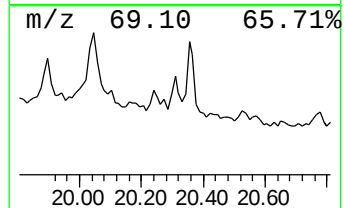
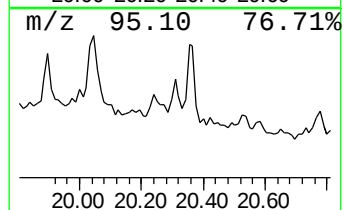
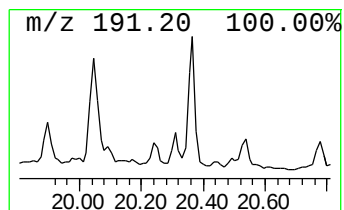
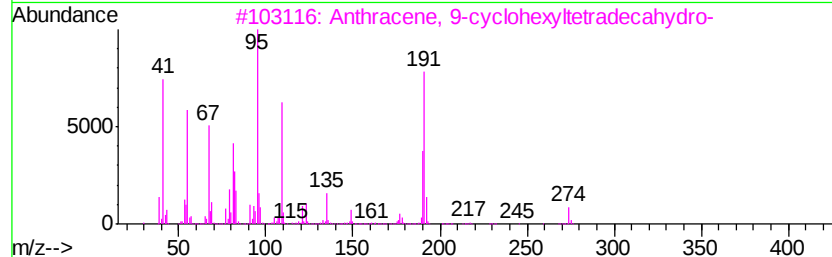
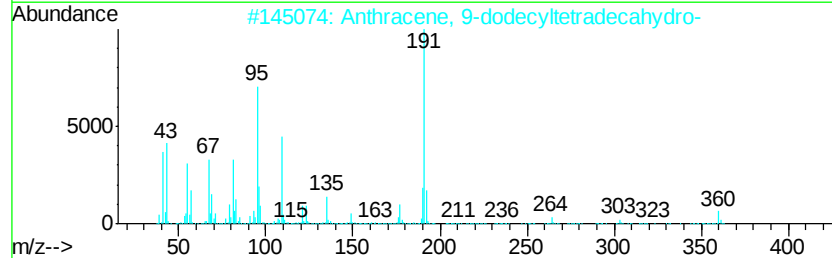
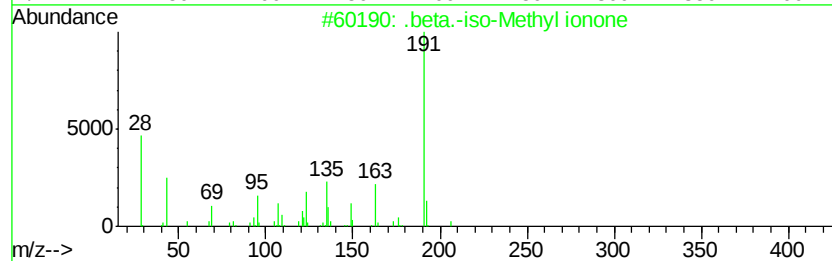
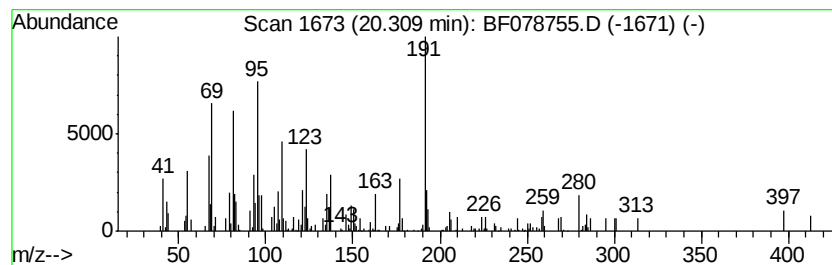
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 .beta.-iso-Methyl ionone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	4.59 ng	78090	Perylene-d12	19.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	62
2		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	53
3		Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	43
4		Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	27
5		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
Acq On : 23 Apr 2015 18:33
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Sample : G1991-02
Misc :
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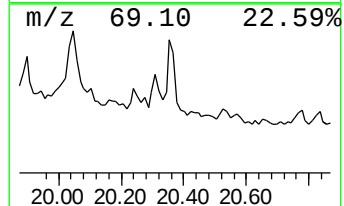
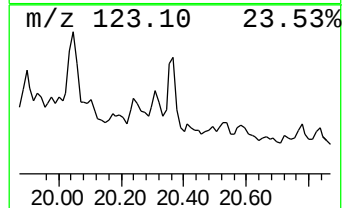
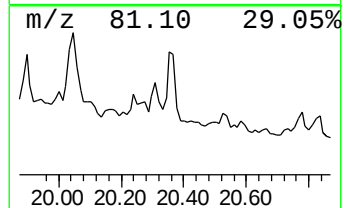
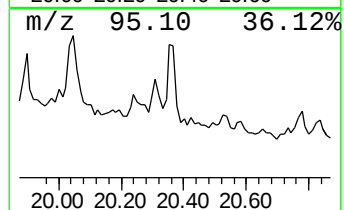
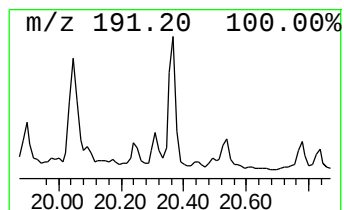
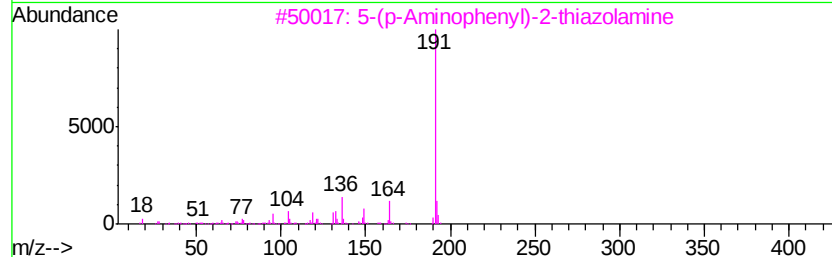
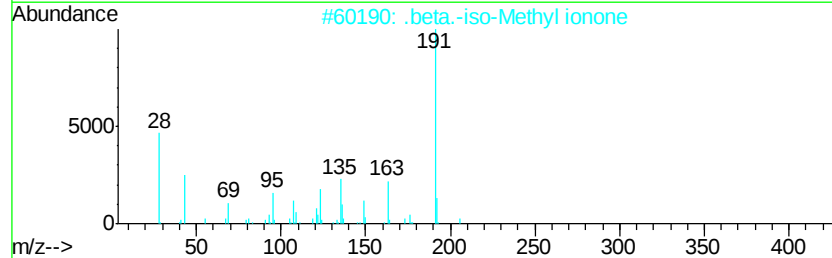
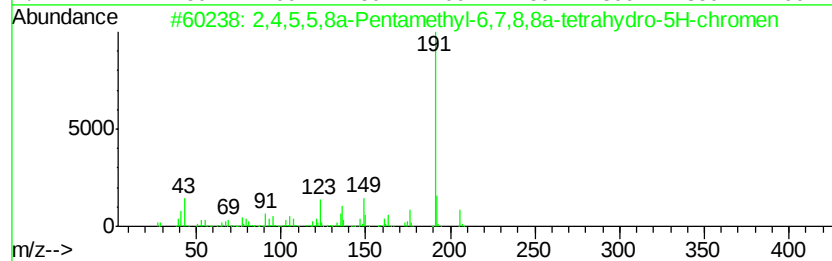
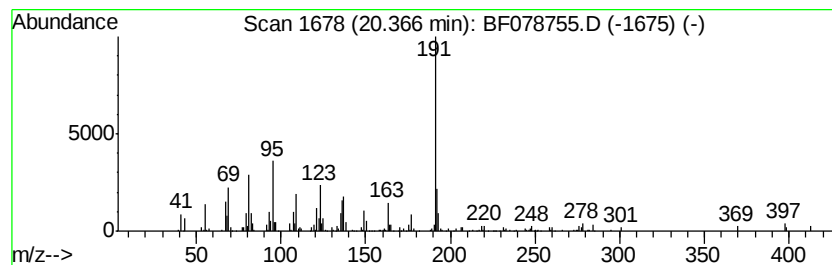
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2,4,5,5,8a-Pentamethyl-6,7,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	13.29 ng	226287	Perylene-d12	19.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	53
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	53
3		5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	50
4		9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	47
5		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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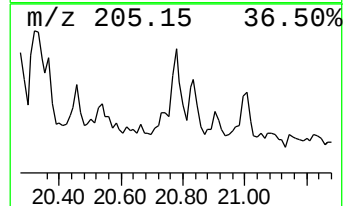
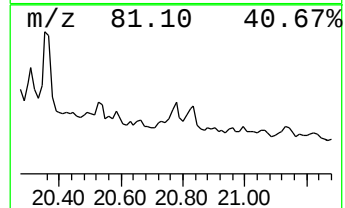
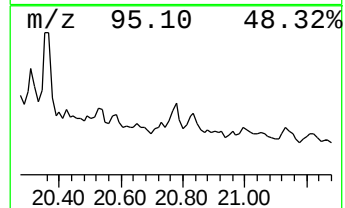
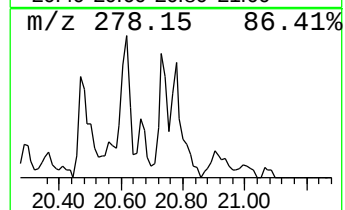
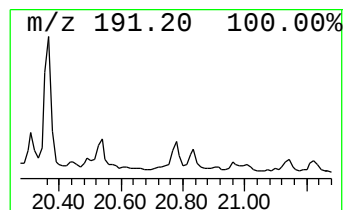
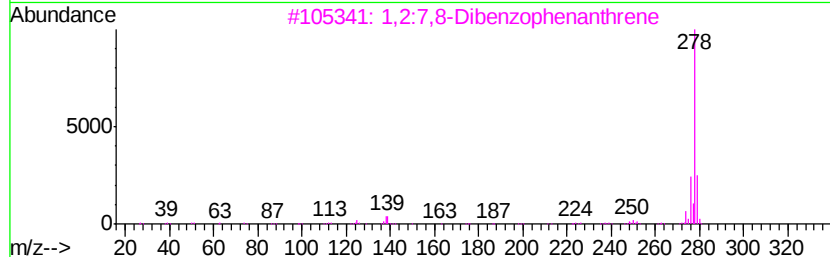
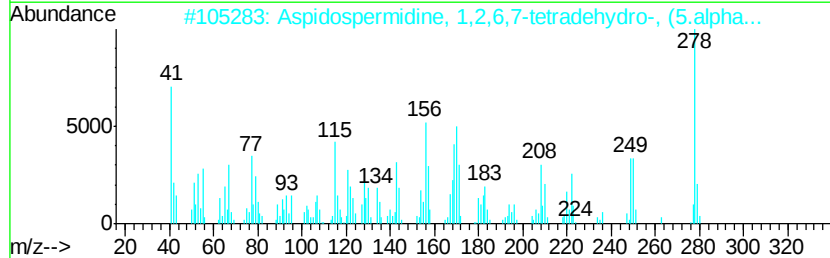
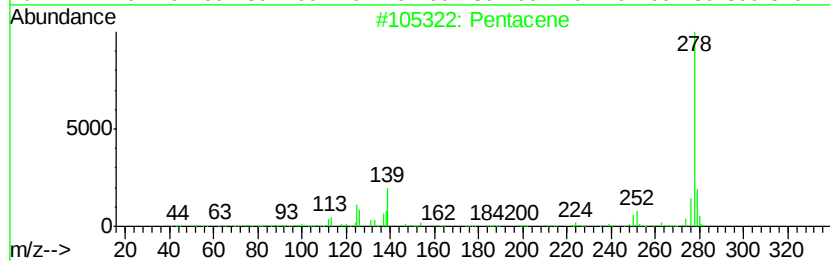
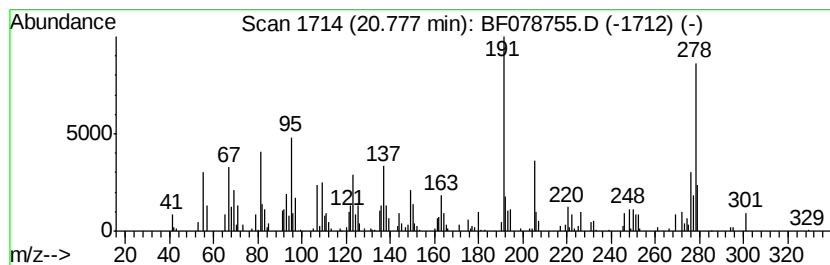
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown20.78 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	3.37 ng	57438	Perylene-d12	19.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacene	278	C22H14	000135-48-8	38
2		Aspidospermidine, 1,2,6,7-tetrad...	278	C19H22N2	032975-46-5	35
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	27
4		Benzo[alnaphthacene	278	C22H14	000226-88-0	25
5		6-(Adamantyl-1)naphthol-2	278	C20H22O	037436-35-4	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
Acq On : 23 Apr 2015 18:33
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Misc :
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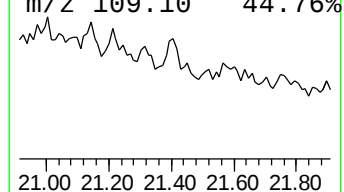
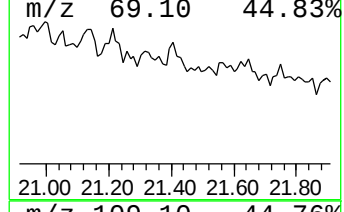
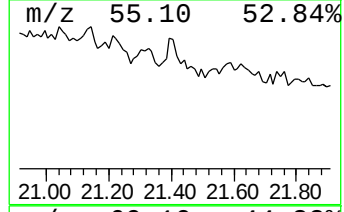
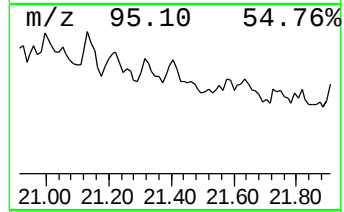
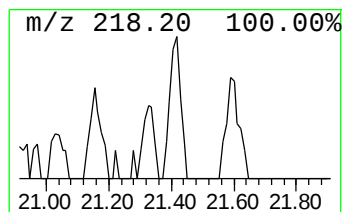
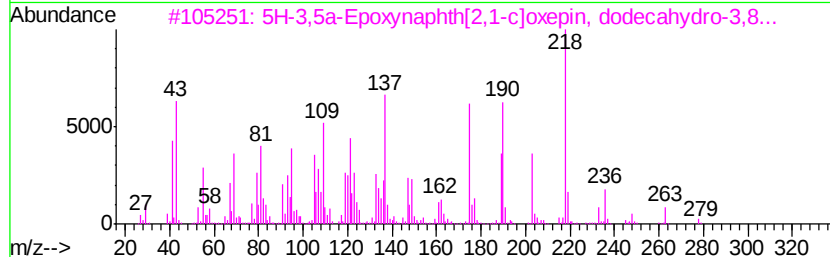
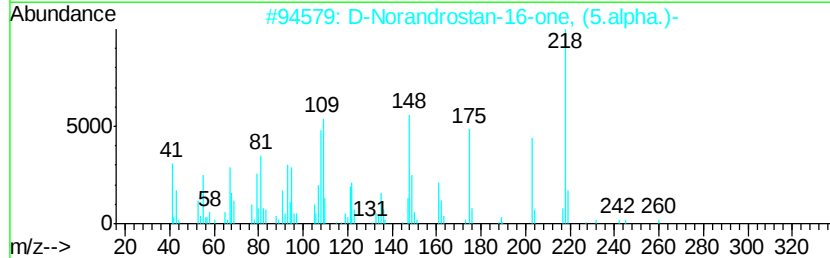
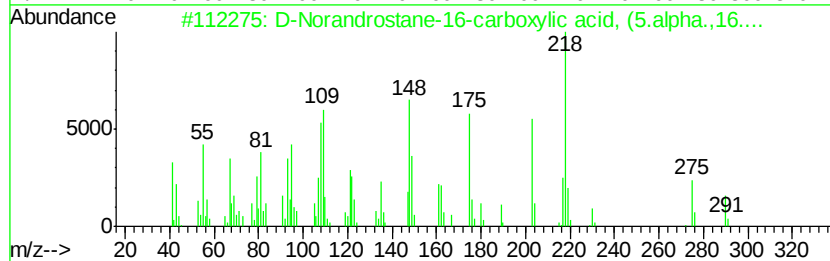
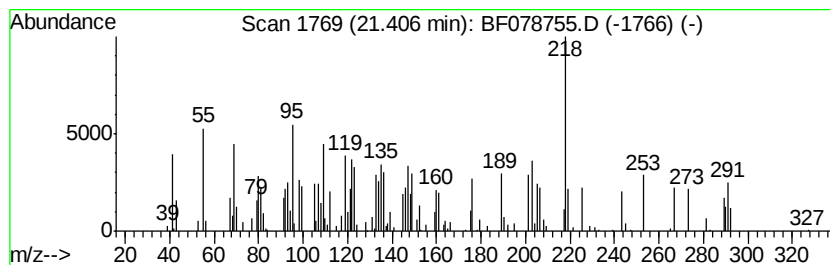
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown21.41 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.41	3.03 ng	51542	Perylene-d12	19.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Norandrosterone-16-carboxylic ac...	290	C19H30O2	032319-09-8	43
2	D-Norandrosterone-16-one, (5.alpha.)-	260	C18H28O	032319-06-5	38
3	5H-3,5a-Epoxyphenanthrene-2,1-dioxepin...	278	C18H30O2	001153-34-0	37
4	1-Hydroxyphenanthrene	218	C16H10O	005315-79-7	35
5	Disulfide, diphenyl	218	C12H10S2	000882-33-7	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078755.D
Acq On : 23 Apr 2015 18:33
Operator : TP/IZ
Sample : G1991-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-75S

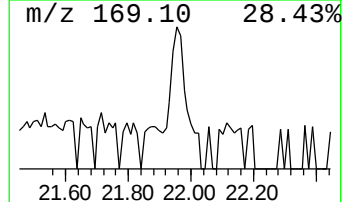
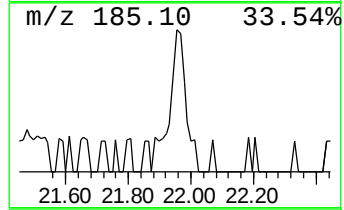
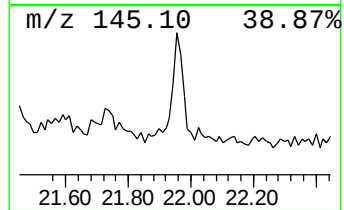
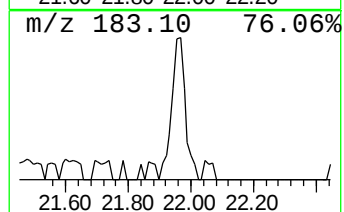
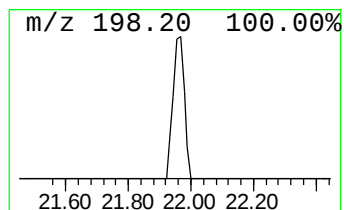
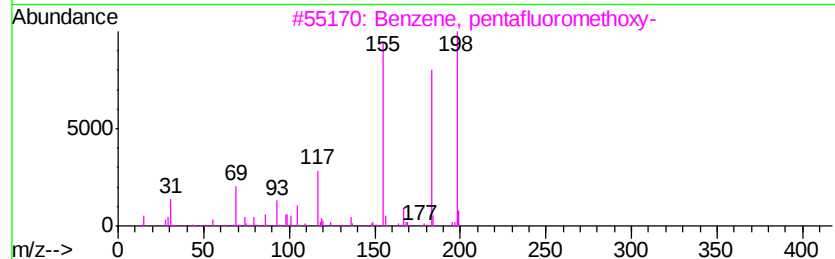
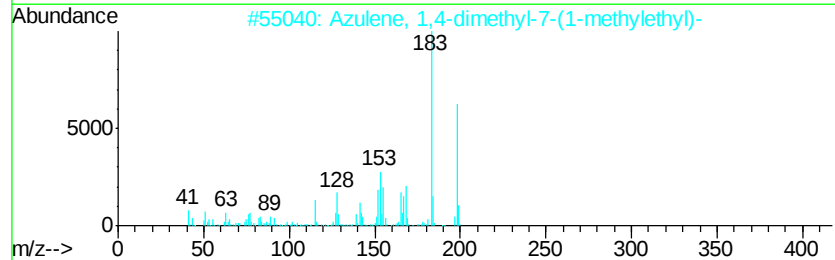
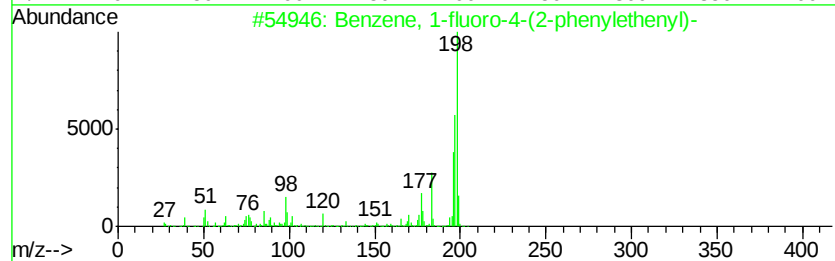
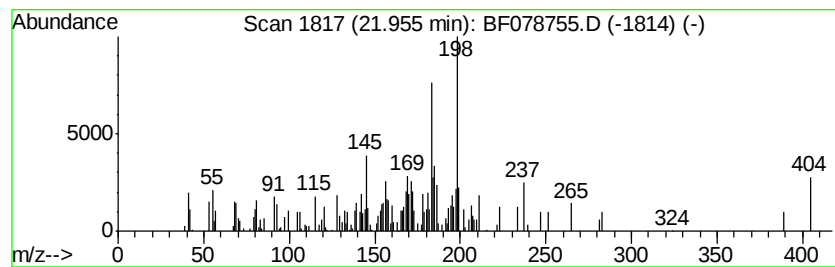
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown21.95 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	9.18 ng	156336	Perylene-d12	19.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	46
2		Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	43
3		Benzene, pentafluoromethoxy-	198	C7H3F5O	000389-40-2	43
4		4,6,8-Trimethyl-1-azulenecarbal...	198	C14H14O	000832-62-2	43
5		Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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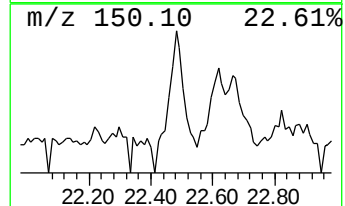
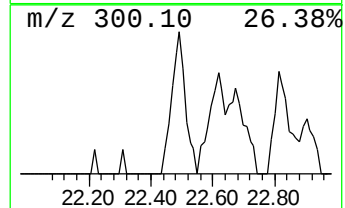
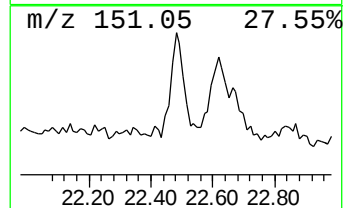
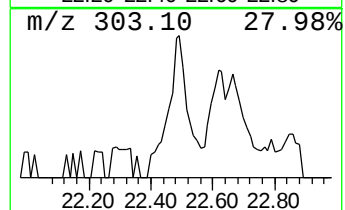
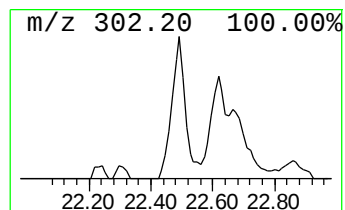
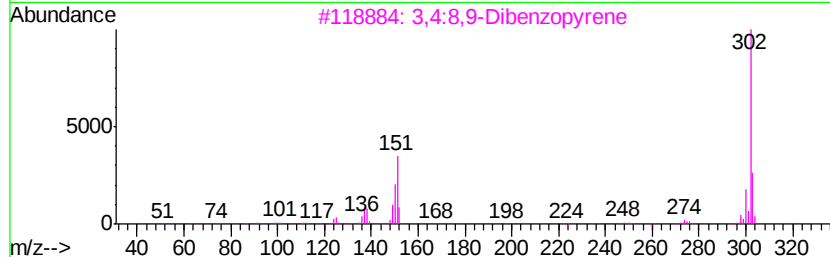
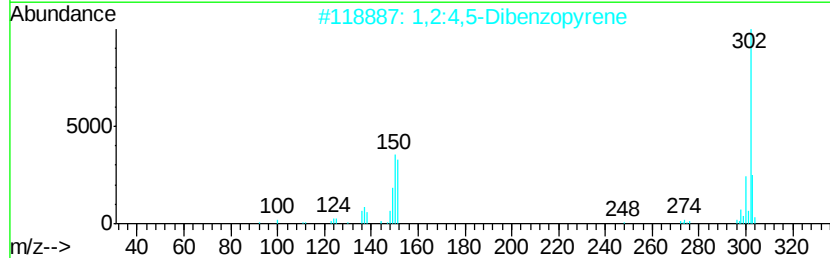
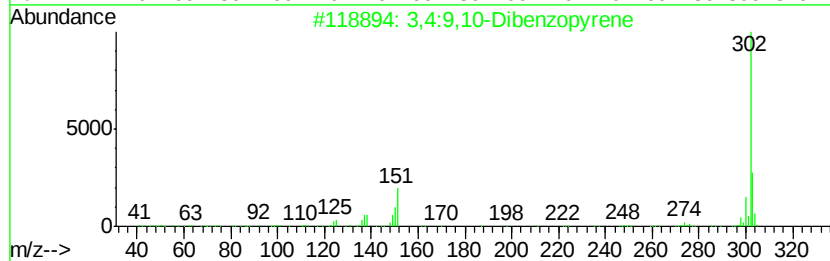
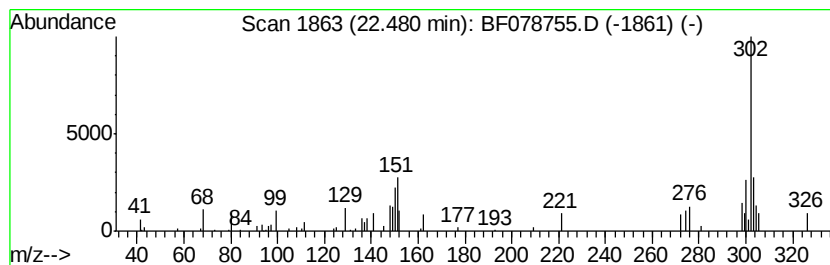
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	3.62 ng	61704	Perylene-d12	19.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	62
2			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	60
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	58
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	52
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
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Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	3.26	9.5	ng	71487	1	5.76	150468	20.0
unknown5.39	5.39	63.1	ng	475067	1	5.76	150468	20.0
Phenanthrene, 2-m...	14.75	2.5	ng	36079	4	13.83	283174	20.0
6H-Cyclobuta[jk]p...	14.87	2.4	ng	34545	4	13.83	283174	20.0
unknown15.22	15.22	2.4	ng	33220	4	13.83	283174	20.0
unknown18.63	18.63	2.7	ng	46409	6	19.43	340530	20.0
9-Octadecenamide, ...	18.83	5.3	ng	91113	6	19.43	340530	20.0
Benzo[e]pyrene	19.30	5.8	ng	98770	6	19.43	340530	20.0
23,28-Bisnor-17.b...	19.58	13.1	ng	222203	6	19.43	340530	20.0
28-Nor-17.alpha.(...	19.90	11.3	ng	192944	6	19.43	340530	20.0
unknown20.05	20.05	25.3	ng	430028	6	19.43	340530	20.0
.beta.-iso-Methyl...	20.31	4.6	ng	78090	6	19.43	340530	20.0
2,4,5,5,8a-Pentam...	20.37	13.3	ng	226287	6	19.43	340530	20.0
unknown20.78	20.78	3.4	ng	57438	6	19.43	340530	20.0
unknown21.41	21.41	3.0	ng	51542	6	19.43	340530	20.0
unknown21.95	21.95	9.2	ng	156336	6	19.43	340530	20.0
3,4:9,10-Dibenzop...	22.48	3.6	ng	61704	6	19.43	340530	20.0