

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078690.D
 Acq On : 21 Apr 2015 18:32
 Operator : TP/IZ
 Sample : G1938-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

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	1.415	19	20	26	rBV	352815	566641	13.51%	2.978%
2	1.507	26	28	66	rVB	1953848	4193606	100.00%	22.040%
3	3.324	185	187	192	rBV	93560	117883	2.81%	0.620%
4	3.839	229	232	239	rBV	400365	542914	12.95%	2.853%
5	5.324	359	362	371	rBV	437848	581012	13.85%	3.054%
6	5.450	371	373	376	rBV	416332	592649	14.13%	3.115%
7	5.816	403	405	408	rBV	160777	192250	4.58%	1.010%
8	6.056	423	426	429	rBV	380235	444857	10.61%	2.338%
9	6.753	484	487	490	rBV	286145	351553	8.38%	1.848%
10	7.976	591	594	596	rBV	225462	273047	6.51%	1.435%
11	9.988	767	770	773	rBV	561479	717394	17.11%	3.770%
12	11.165	870	873	876	rBV	255448	322856	7.70%	1.697%
13	11.222	876	878	880	rVV	45747	53152	1.27%	0.279%
14	12.182	959	962	967	rVB	45038	67480	1.61%	0.355%
15	12.639	998	1002	1006	rVB2	300767	451473	10.77%	2.373%
16	13.897	1109	1112	1114	rBV	253231	350763	8.36%	1.843%
17	13.942	1114	1116	1119	rVV	444235	541827	12.92%	2.848%
18	14.034	1119	1124	1127	rVB	107048	144313	3.44%	0.758%
19	14.365	1151	1153	1156	rBV	44245	49945	1.19%	0.262%
20	14.777	1186	1189	1191	rBV	63112	73372	1.75%	0.386%
21	14.822	1191	1193	1197	rVV	76632	104084	2.48%	0.547%
22	14.891	1197	1199	1201	rVV	36436	51264	1.22%	0.269%
23	14.937	1201	1203	1205	rVV2	59904	114351	2.73%	0.601%
24	14.982	1205	1207	1211	rVB	48794	64964	1.55%	0.341%
25	15.268	1230	1232	1236	rBV2	46643	72759	1.73%	0.382%
26	15.634	1261	1264	1266	rBV	33686	59024	1.41%	0.310%
27	15.828	1278	1281	1284	rBV	479182	669921	15.97%	3.521%
28	16.148	1306	1309	1311	rBV	494081	720041	17.17%	3.784%
29	16.343	1324	1326	1327	rBV	33510	42093	1.00%	0.221%
30	16.434	1331	1334	1336	rVV	713266	821531	19.59%	4.318%
31	16.480	1336	1338	1340	rVB	32632	50850	1.21%	0.267%
32	16.594	1344	1348	1349	rBV2	45538	88080	2.10%	0.463%
33	16.628	1349	1351	1353	rVB	73032	100023	2.39%	0.526%
34	16.720	1356	1359	1360	rBV	59116	72985	1.74%	0.384%

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Integration Parameters: rteint.p
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Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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35	16.754	1360	1362	1367	rVV2	58716	107523	2.56%	0.565%
36	16.880	1370	1373	1374	rVV2	32590	50580	1.21%	0.266%
37	17.177	1394	1399	1400	rBV3	23179	50484	1.20%	0.265%
38	17.303	1405	1410	1414	rBV2	52266	100321	2.39%	0.527%
39	17.440	1419	1422	1424	rVV	52529	80566	1.92%	0.423%
40	17.486	1424	1426	1428	rVV2	62955	106953	2.55%	0.562%
41	17.531	1428	1430	1432	rVV2	40946	63893	1.52%	0.336%
42	17.577	1432	1434	1438	rVB	48570	63098	1.50%	0.332%
43	17.760	1446	1450	1452	rBV2	473707	967023	23.06%	5.082%
44	17.794	1452	1453	1456	rVV2	267146	376914	8.99%	1.981%
45	17.897	1460	1462	1465	rBV	55588	75469	1.80%	0.397%
46	18.034	1469	1474	1477	rVB5	40471	83882	2.00%	0.441%
47	18.080	1477	1478	1481	rBV2	37733	59676	1.42%	0.314%
48	18.274	1493	1495	1497	rBV	62911	102011	2.43%	0.536%
49	18.674	1526	1530	1532	rBV3	28779	61240	1.46%	0.322%
50	18.880	1544	1548	1550	rBV3	30552	57552	1.37%	0.302%
51	19.051	1560	1563	1568	rBV	290653	608480	14.51%	3.198%
52	19.166	1568	1573	1575	rBV2	52490	97973	2.34%	0.515%
53	19.303	1580	1585	1587	rBV3	32383	110088	2.63%	0.579%
54	19.349	1587	1589	1592	rVV	152392	204909	4.89%	1.077%
55	19.417	1592	1595	1597	rVB	217375	315581	7.53%	1.659%
56	19.474	1597	1600	1605	rBV2	364234	522314	12.46%	2.745%
57	19.680	1613	1618	1623	rBV5	29925	105336	2.51%	0.554%
58	19.772	1623	1626	1630	rBV2	27582	73102	1.74%	0.384%
59	20.423	1677	1683	1687	rVB7	28466	117430	2.80%	0.617%
60	20.526	1689	1692	1694	rBV2	32206	60306	1.44%	0.317%
61	20.640	1699	1702	1706	rVB2	124321	237492	5.66%	1.248%
62	20.789	1712	1715	1716	rBV	38082	64494	1.54%	0.339%
63	20.823	1716	1718	1720	rVV3	25088	44429	1.06%	0.234%
64	20.960	1727	1730	1733	rBV	107384	165144	3.94%	0.868%
65	21.132	1741	1745	1748	rVB2	35100	80793	1.93%	0.425%
66	22.572	1868	1871	1878	rVB	30686	90620	2.16%	0.476%
67	23.418	1943	1945	1950	rVB4	23239	60683	1.45%	0.319%

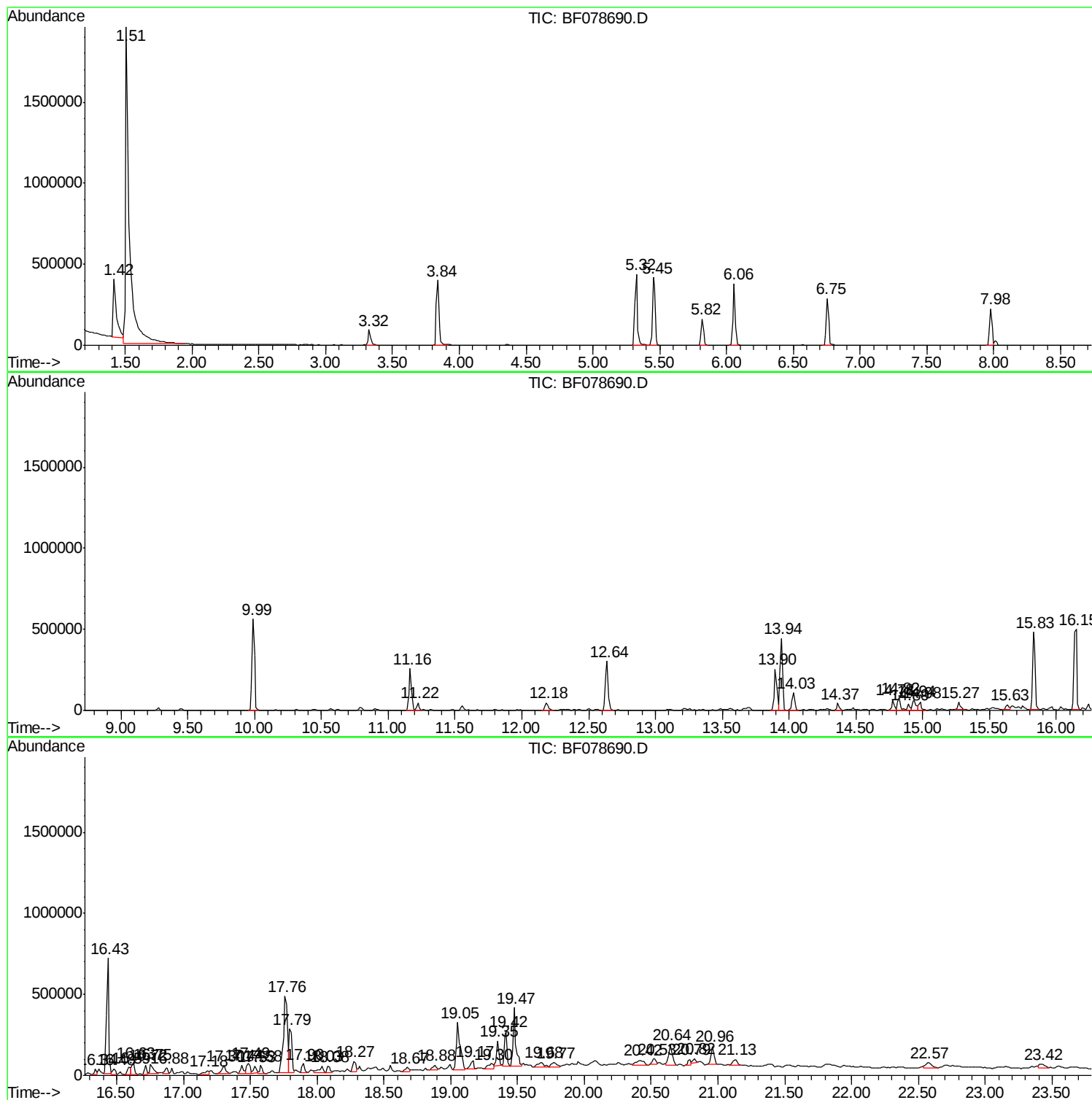
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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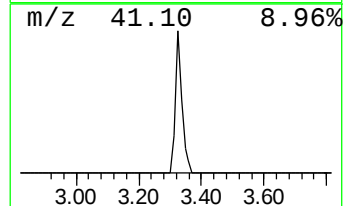
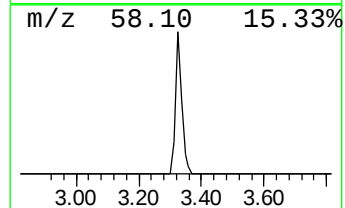
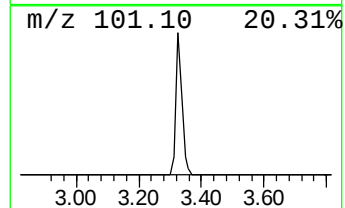
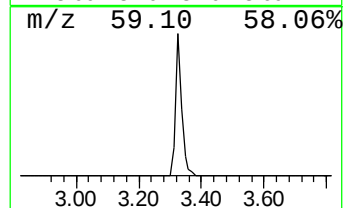
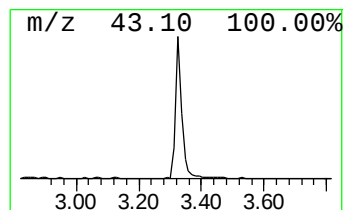
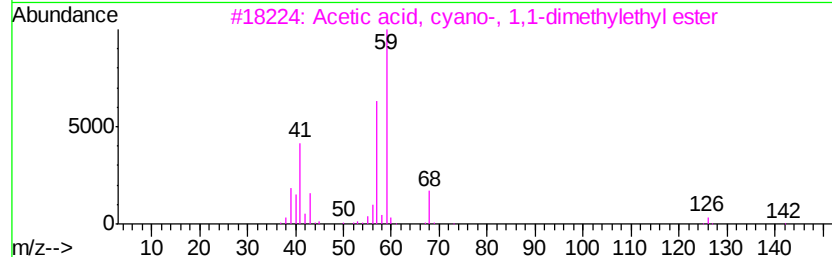
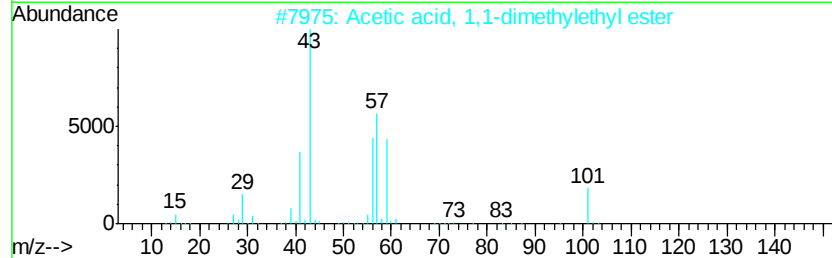
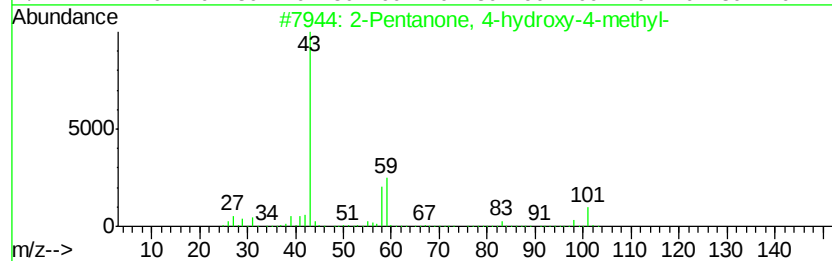
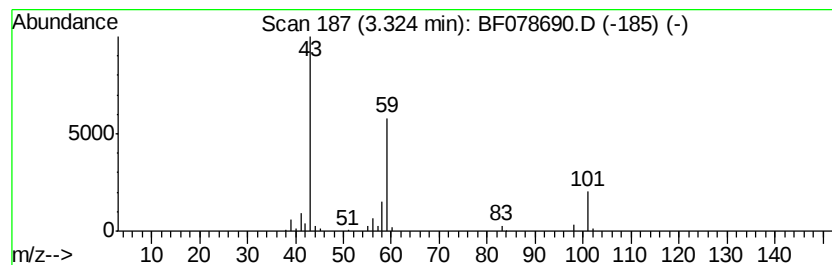
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.32	12.26 ng	117883	1,4-Dichlorobenzene-d4	5.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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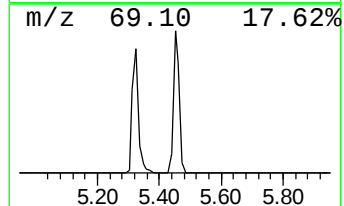
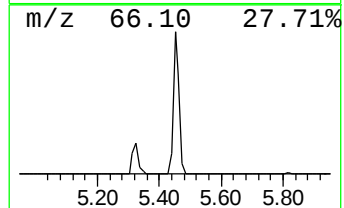
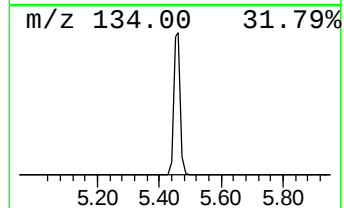
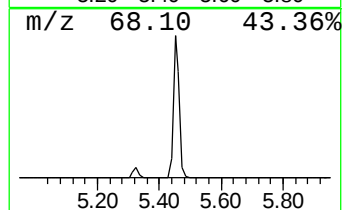
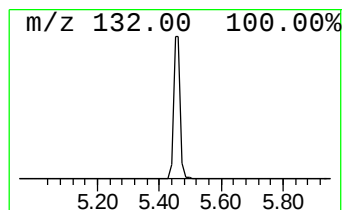
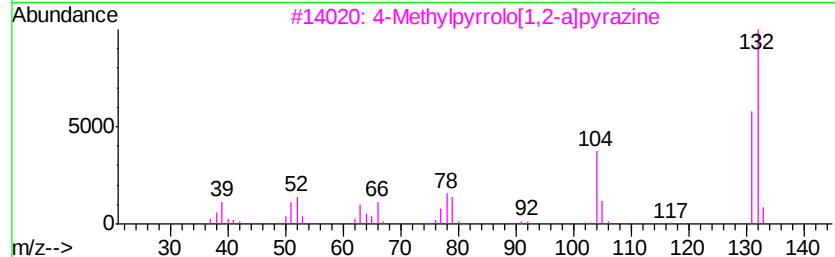
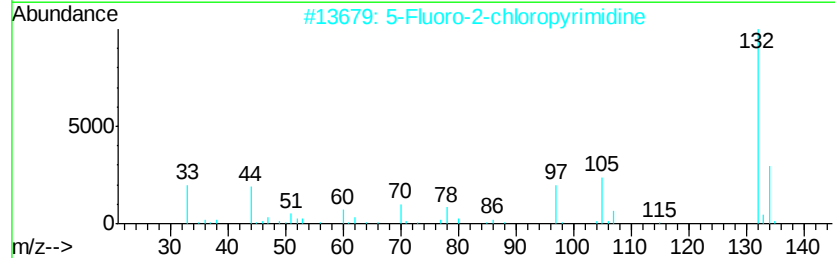
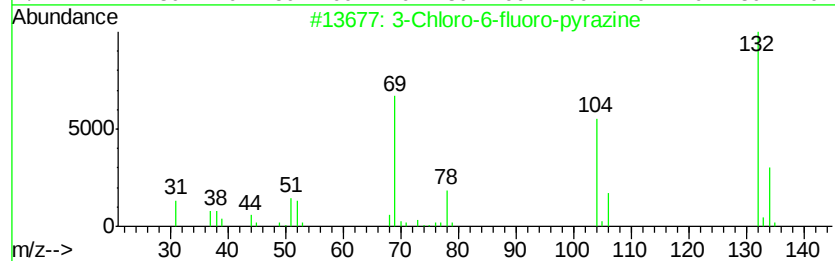
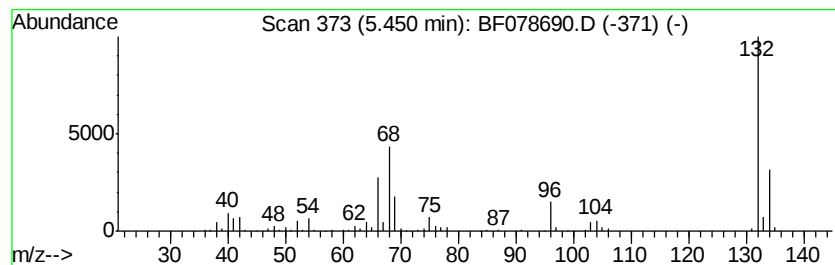
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown5.45 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	61.65 ng	592649	1,4-Dichlorobenzene-d4	5.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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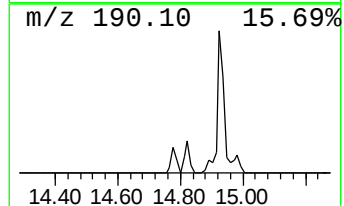
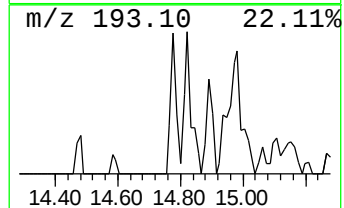
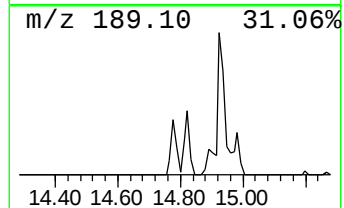
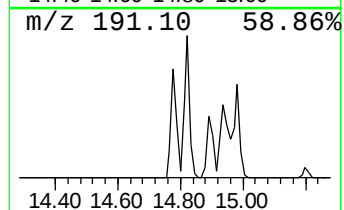
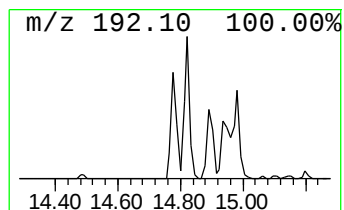
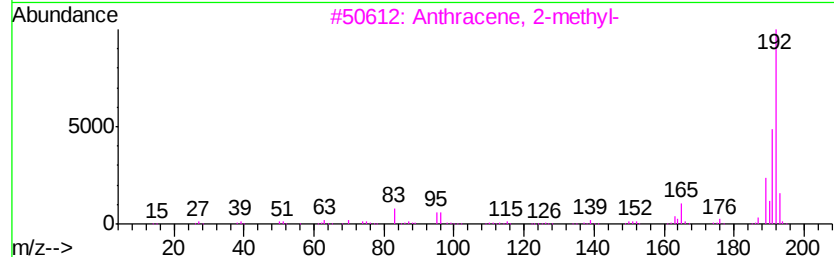
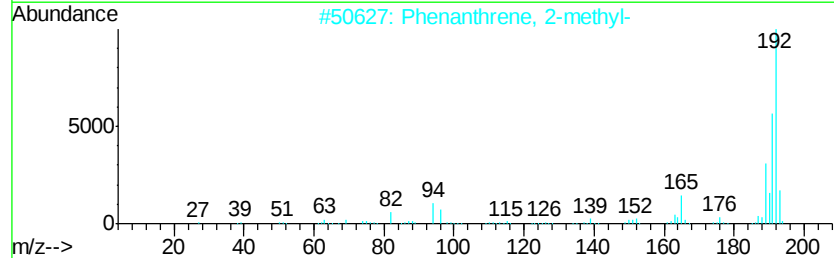
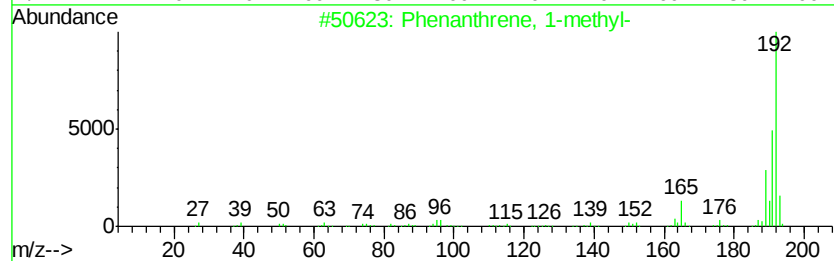
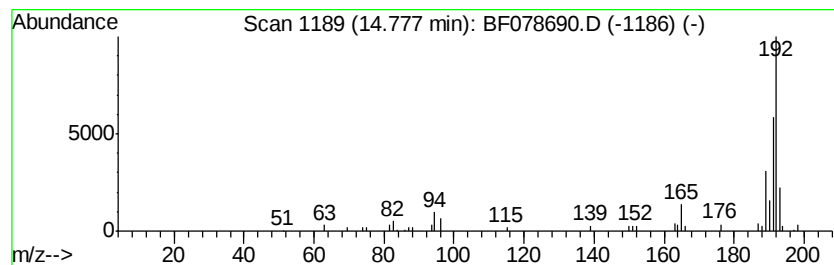
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	4.18 ng	73372	Phenanthrene-d10	13.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



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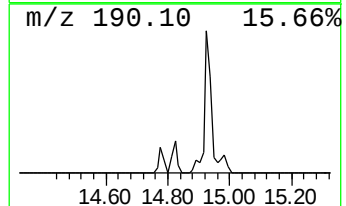
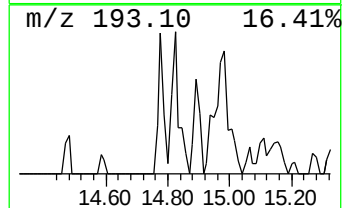
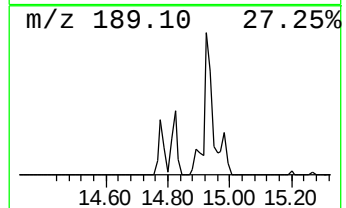
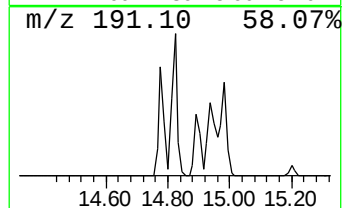
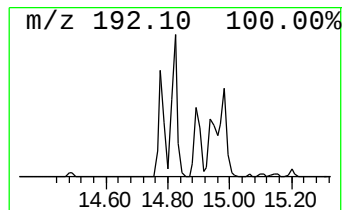
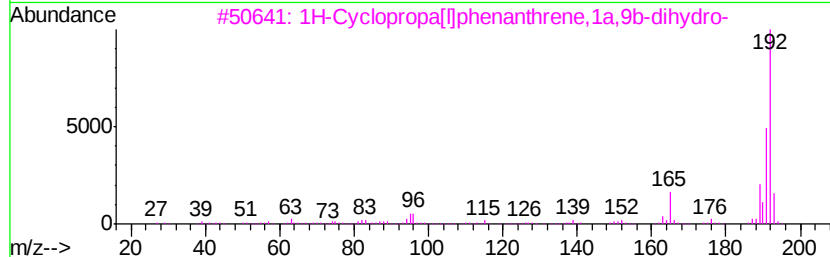
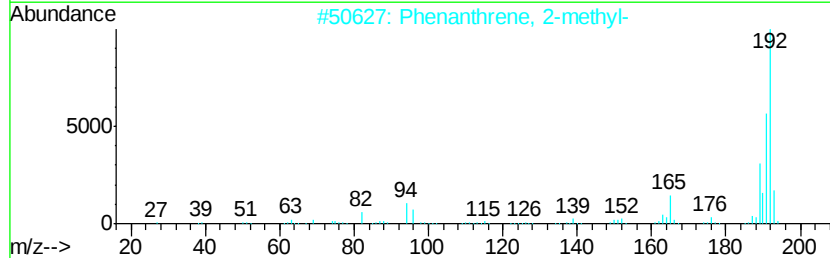
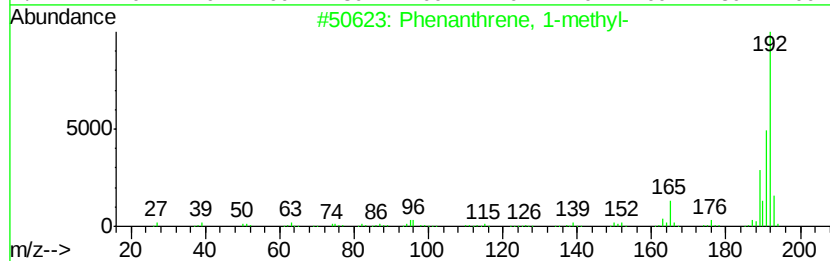
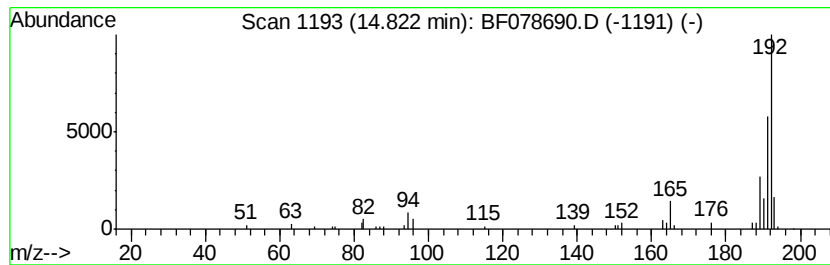
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.93 ng	104084	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



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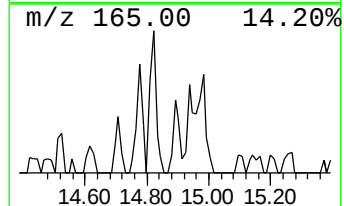
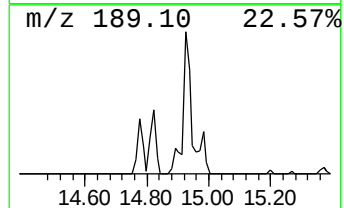
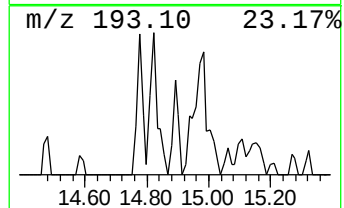
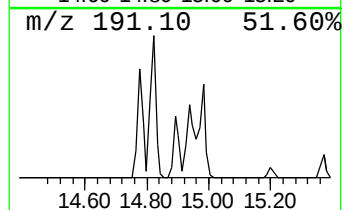
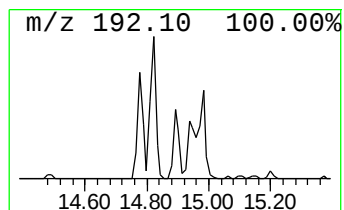
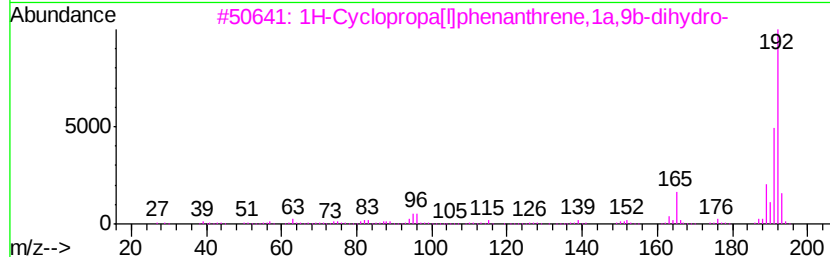
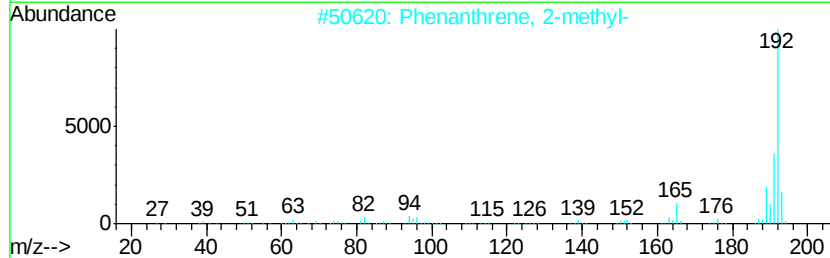
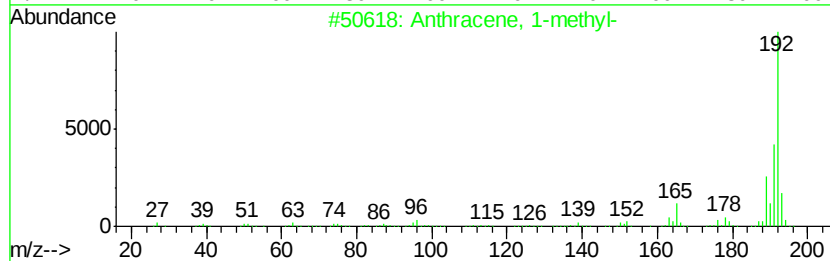
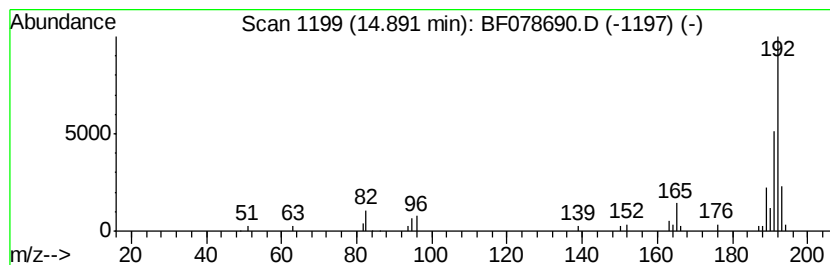
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.92 ng	51264	Phenanthrene-d10	13.90

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078690.D
Acq On : 21 Apr 2015 18:32
Operator : TP/IZ
Sample : G1938-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

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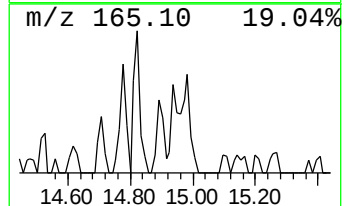
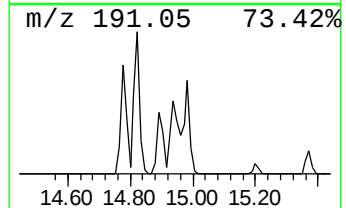
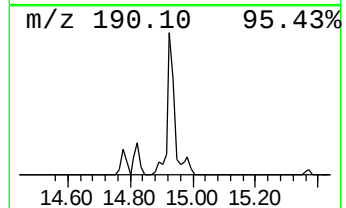
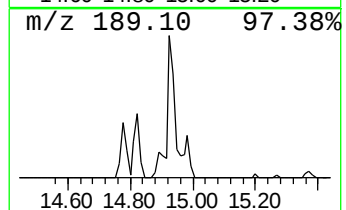
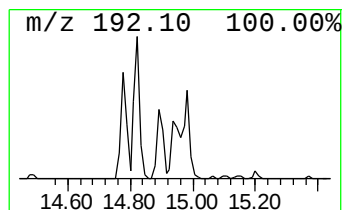
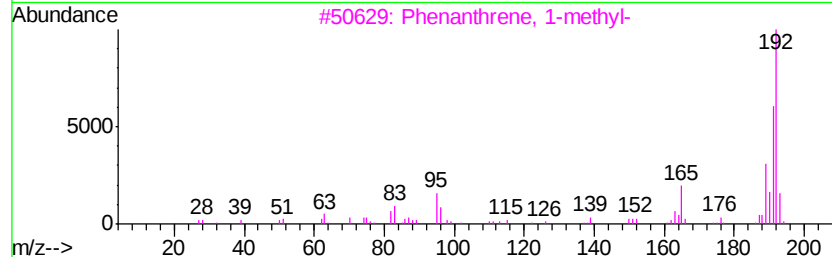
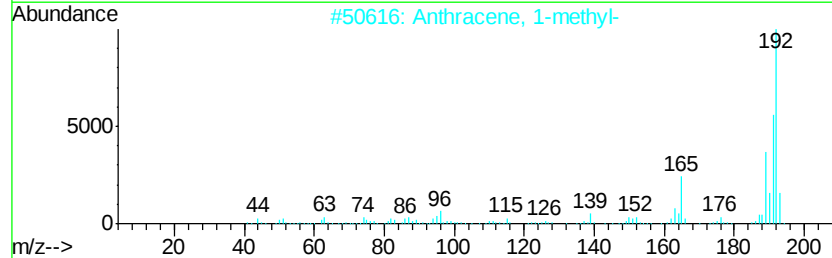
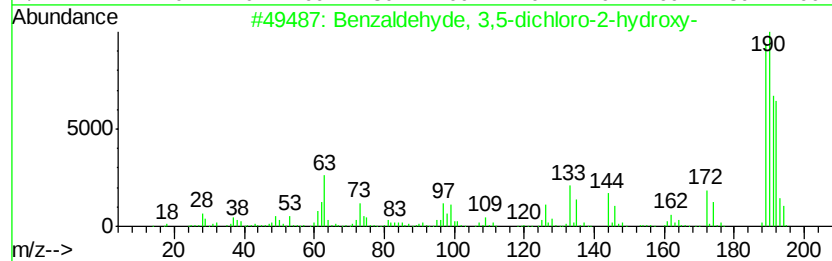
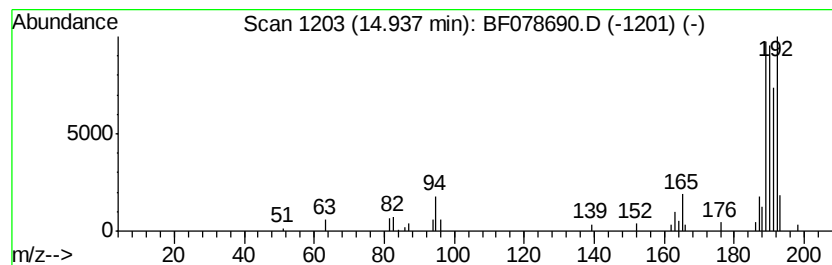
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	6.52 ng	114351	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	58
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078690.D
Acq On : 21 Apr 2015 18:32
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Misc :
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Instrument :
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ClientSampleId :
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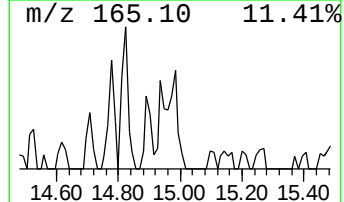
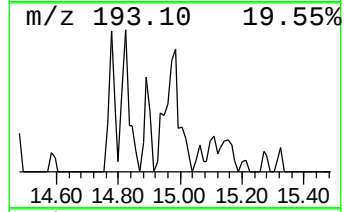
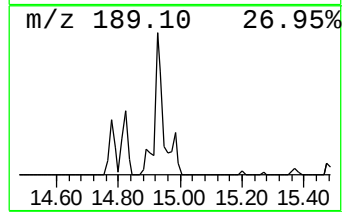
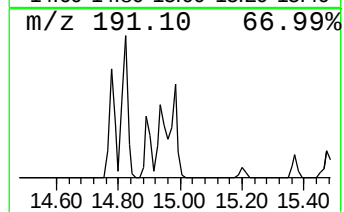
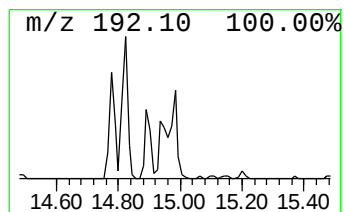
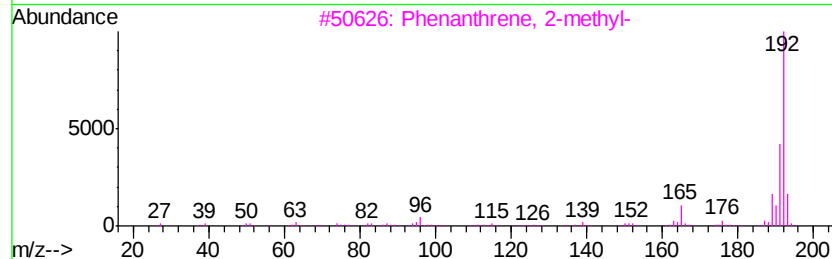
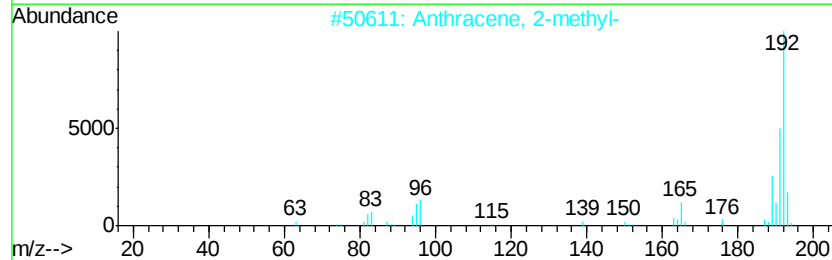
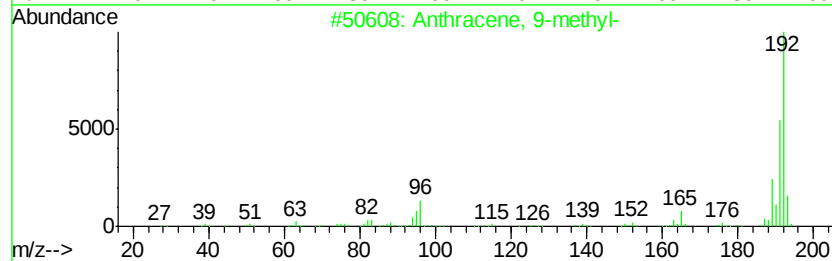
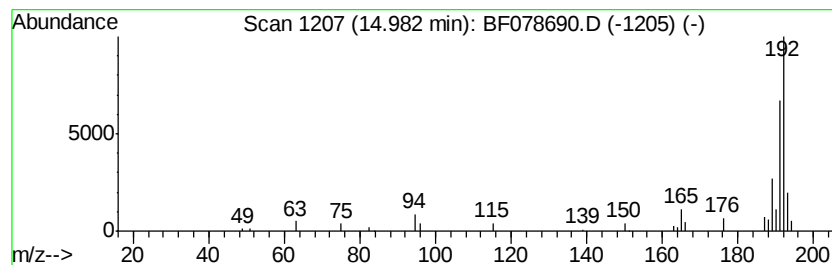
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	3.70 ng	64964	Phenanthrene-d10	13.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	72
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078690.D
Acq On : 21 Apr 2015 18:32
Operator : TP/IZ
Sample : G1938-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

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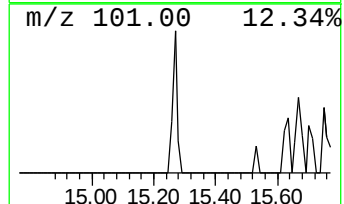
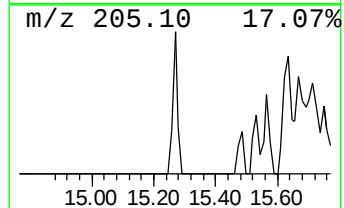
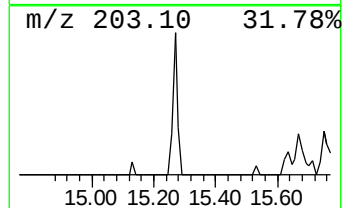
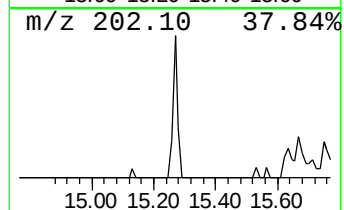
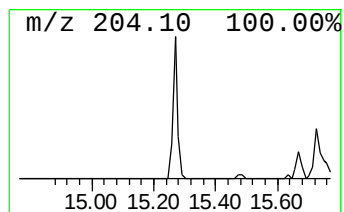
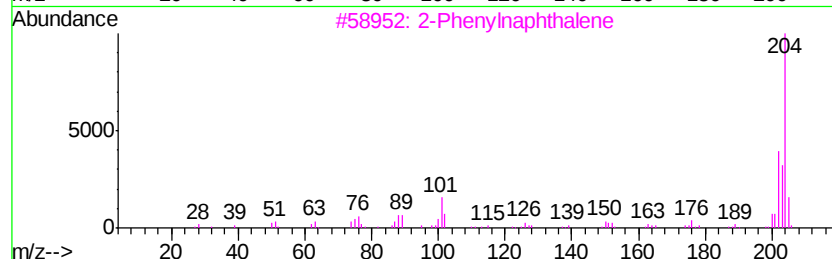
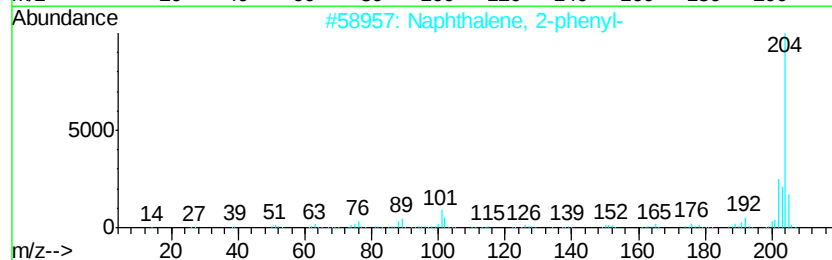
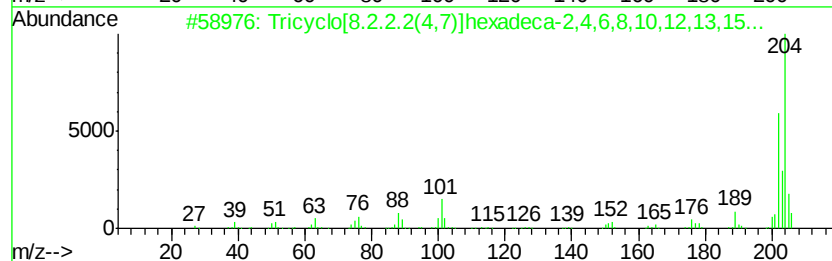
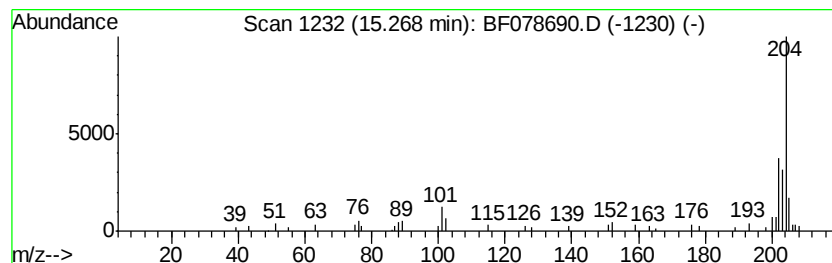
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	4.15 ng	72759	Phenanthrene-d10	13.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
3			2-Phenylnaphthalene	204	C16H12	035465-71-5	81
4			5,16[1',2'][:8,13[1',2']] -Dibenz...	408	C32H24	005672-97-9	78
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
Data File : BF078690.D
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Misc :
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Instrument :
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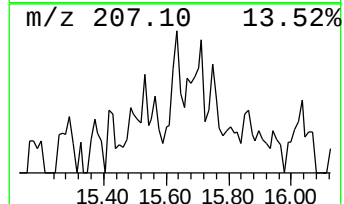
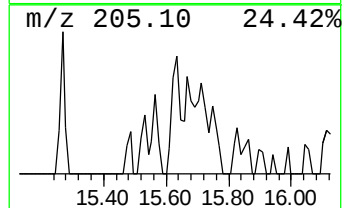
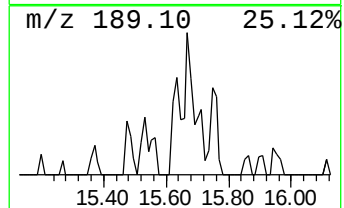
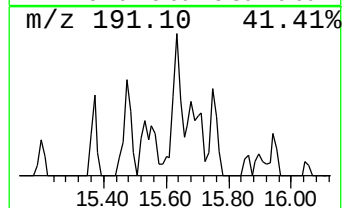
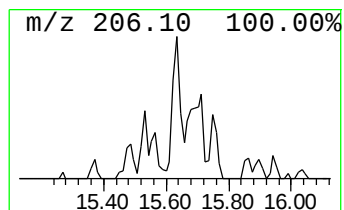
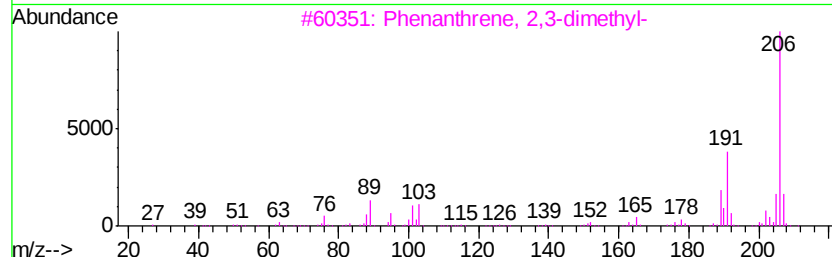
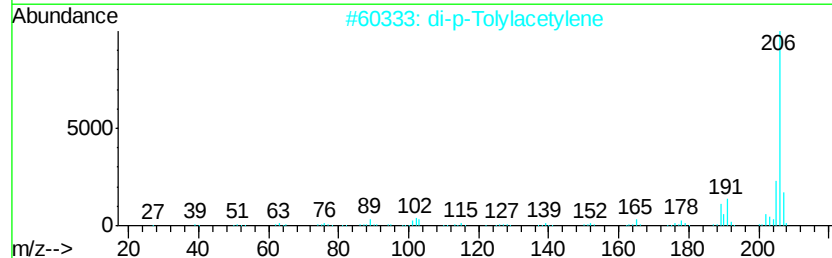
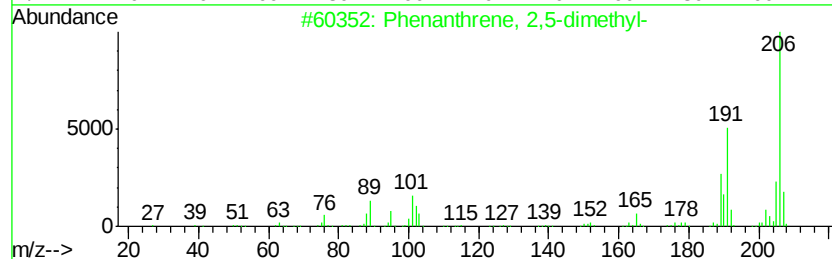
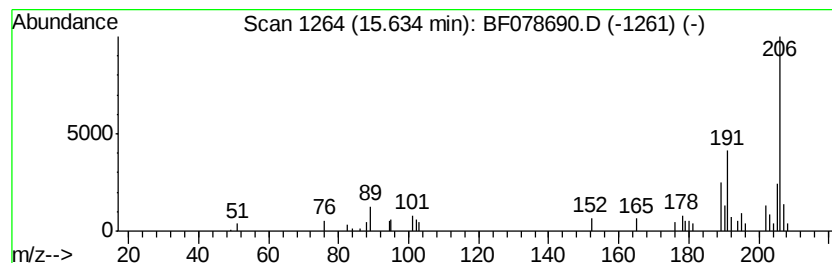
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.37 ng	59024	Phenanthrene-d10	13.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
Data File : BF078690.D
Acq On : 21 Apr 2015 18:32
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Sample : G1938-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

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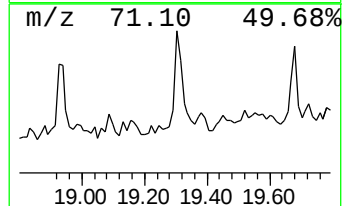
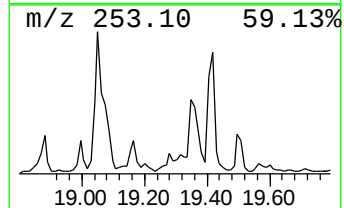
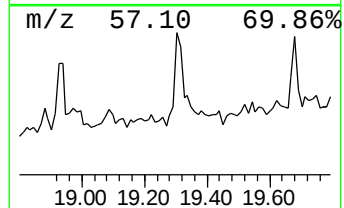
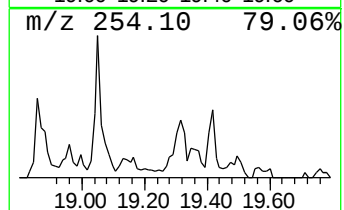
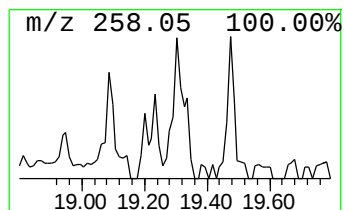
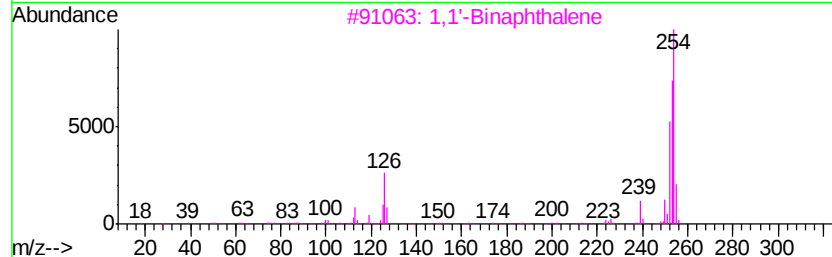
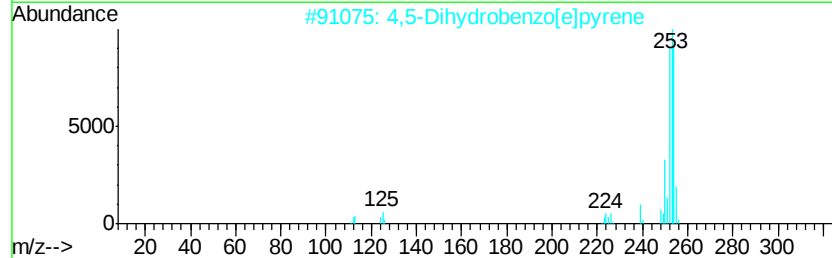
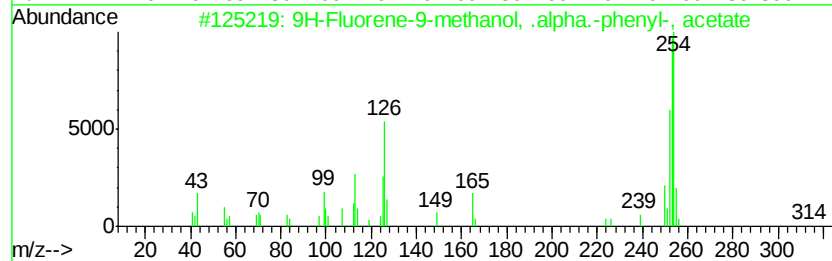
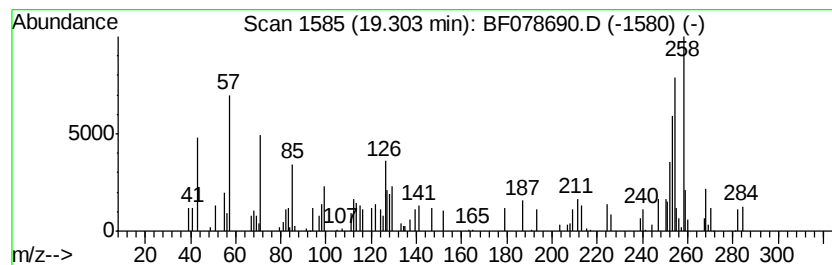
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown19.30 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	4.22 ng	110088	Perylene-d12	19.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene-9-methanol, .alpha.-...	314	C22H18O2	063839-89-4	38
2		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	30
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	30
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	30
5		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
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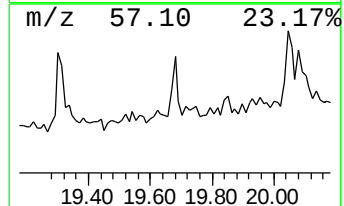
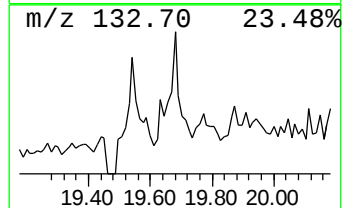
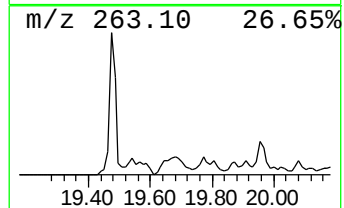
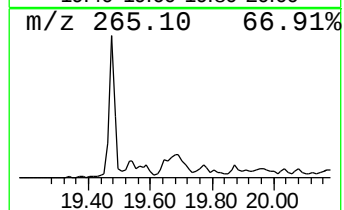
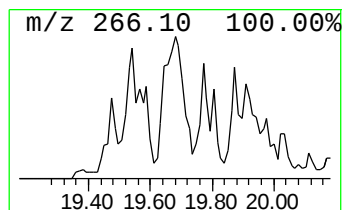
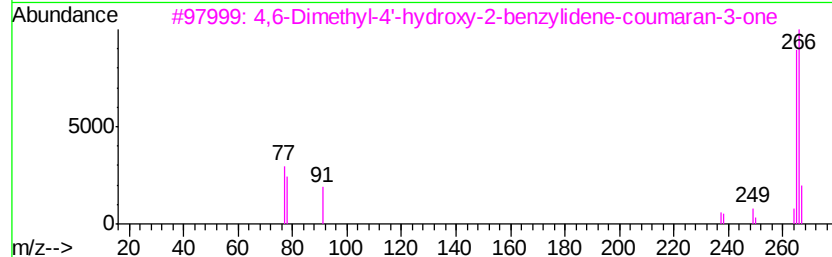
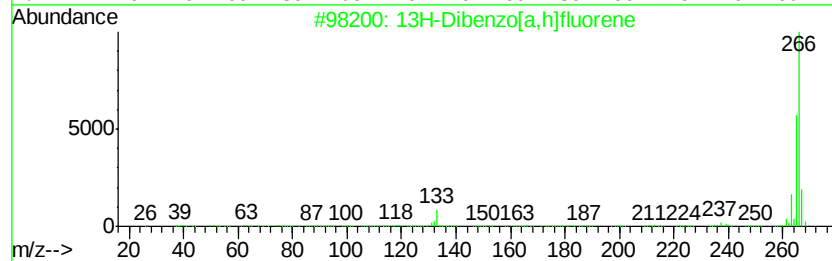
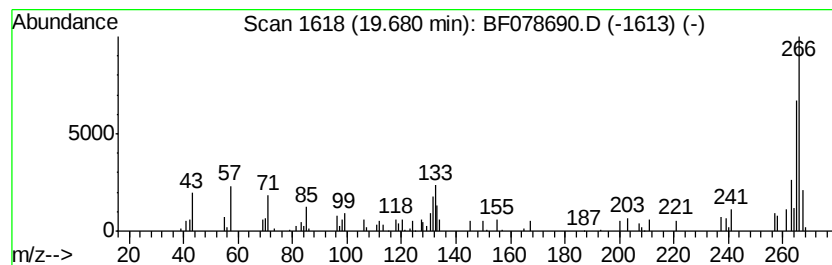
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 13H-Dibenzo[a,h]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	4.03 ng	105336	Perylene-d12	19.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	68
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	53
3		4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	52
4		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	50
5		3-(3-[Trifluoromethyl]phenoxy)be...	266	C14H9F3O2	078725-46-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078690.D
 Acq On : 21 Apr 2015 18:32
 Operator : TP/IZ
 Sample : G1938-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	3.32	12.3	ng	117883	1	5.82	192250	20.0
unknown5.45	5.45	61.6	ng	592649	1	5.82	192250	20.0
Phenanthrene, 1-m...	14.78	4.2	ng	73372	4	13.90	350763	20.0
Phenanthrene, 2-m...	14.82	5.9	ng	104084	4	13.90	350763	20.0
Anthracene, 1-met...	14.89	2.9	ng	51264	4	13.90	350763	20.0
Benzaldehyde, 3,5...	14.94	6.5	ng	114351	4	13.90	350763	20.0
Anthracene, 9-met...	14.98	3.7	ng	64964	4	13.90	350763	20.0
Tricyclo[8.2.2.2(...	15.27	4.2	ng	72759	4	13.90	350763	20.0
Phenanthrene, 2,5...	15.63	3.4	ng	59024	4	13.90	350763	20.0
unknown19.30	19.30	4.2	ng	110088	6	19.47	522314	20.0
13H-Dibenzo[a,h]f...	19.68	4.0	ng	105336	6	19.47	522314	20.0