

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079523.D
 Acq On : 27 May 2015 17:33
 Operator : TP/IZ
 Sample : G2359-12 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-26S

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-BF052615.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	1.575	33	34	42	rVB	155166	296135	2.99%	1.177%
2	1.690	42	44	90	rVB	3622712	9898697	100.00%	39.329%
3	5.279	356	358	367	rVB	183264	266151	2.69%	1.057%
4	6.593	471	473	481	rBV	265896	294694	2.98%	1.171%
5	6.719	481	484	487	rBV	267984	299235	3.02%	1.189%
6	6.993	506	508	511	rBV	251978	362445	3.66%	1.440%
7	7.187	522	525	527	rBV	219859	239934	2.42%	0.953%
8	7.702	567	570	572	rBV	147903	170883	1.73%	0.679%
9	8.582	644	647	648	rBV	385749	507369	5.13%	2.016%
10	9.919	762	764	767	rBV	333791	393386	3.97%	1.563%
11	10.742	834	836	838	rVV	647785	595412	6.02%	2.366%
12	11.725	920	922	925	rBV	255085	257633	2.60%	1.024%
13	12.582	994	997	998	rBV	596078	631058	6.38%	2.507%
14	12.605	998	999	1002	rVV	594953	631732	6.38%	2.510%
15	12.674	1002	1005	1008	rVB	176851	172462	1.74%	0.685%
16	13.245	1053	1055	1058	rVV	106077	117463	1.19%	0.467%
17	13.337	1061	1063	1065	rVV	147024	189521	1.91%	0.753%
18	13.954	1113	1117	1119	rVV3	48840	120105	1.21%	0.477%
19	14.079	1126	1128	1130	rBV	948573	1016277	10.27%	4.038%
20	14.354	1149	1152	1155	rVV	762086	1097789	11.09%	4.362%
21	14.571	1168	1171	1174	rVB	451965	492193	4.97%	1.956%
22	14.651	1174	1178	1180	rBV2	50502	105825	1.07%	0.420%
23	14.754	1183	1187	1188	rBV3	56410	117966	1.19%	0.469%
24	14.777	1188	1189	1192	rVB	115904	118860	1.20%	0.472%
25	14.902	1198	1200	1205	rBV3	106823	201840	2.04%	0.802%
26	15.417	1242	1245	1250	rVB	65175	109378	1.10%	0.435%
27	15.554	1254	1257	1259	rBV	91946	120184	1.21%	0.478%
28	15.588	1259	1260	1264	rVV2	68839	136026	1.37%	0.540%
29	15.771	1272	1276	1279	rBV3	72401	157087	1.59%	0.624%
30	15.874	1279	1285	1287	rBV2	790926	1444971	14.60%	5.741%
31	15.908	1287	1288	1290	rVV	427310	428523	4.33%	1.703%
32	16.011	1293	1297	1299	rBV2	66924	107180	1.08%	0.426%
33	16.194	1311	1313	1317	rVB2	72919	120920	1.22%	0.480%
34	16.388	1327	1330	1333	rBV	76094	122310	1.24%	0.486%

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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	17.028	1383	1386	1388	rBV2	62349	123762	1.25%	0.492%
36	17.211	1399	1402	1409	rBV	452077	1015597	10.26%	4.035%
37	17.337	1411	1413	1415	rVB	100135	114932	1.16%	0.457%
38	17.543	1429	1431	1435	rBV	285348	377386	3.81%	1.499%
39	17.611	1435	1437	1440	rVB	452143	519434	5.25%	2.064%
40	17.680	1440	1443	1445	rBV	526350	752257	7.60%	2.989%
41	19.017	1557	1560	1565	rVB2	233293	421941	4.26%	1.676%
42	19.189	1572	1575	1577	rBV	59940	131783	1.33%	0.524%
43	19.406	1591	1594	1599	rBV	197594	370528	3.74%	1.472%

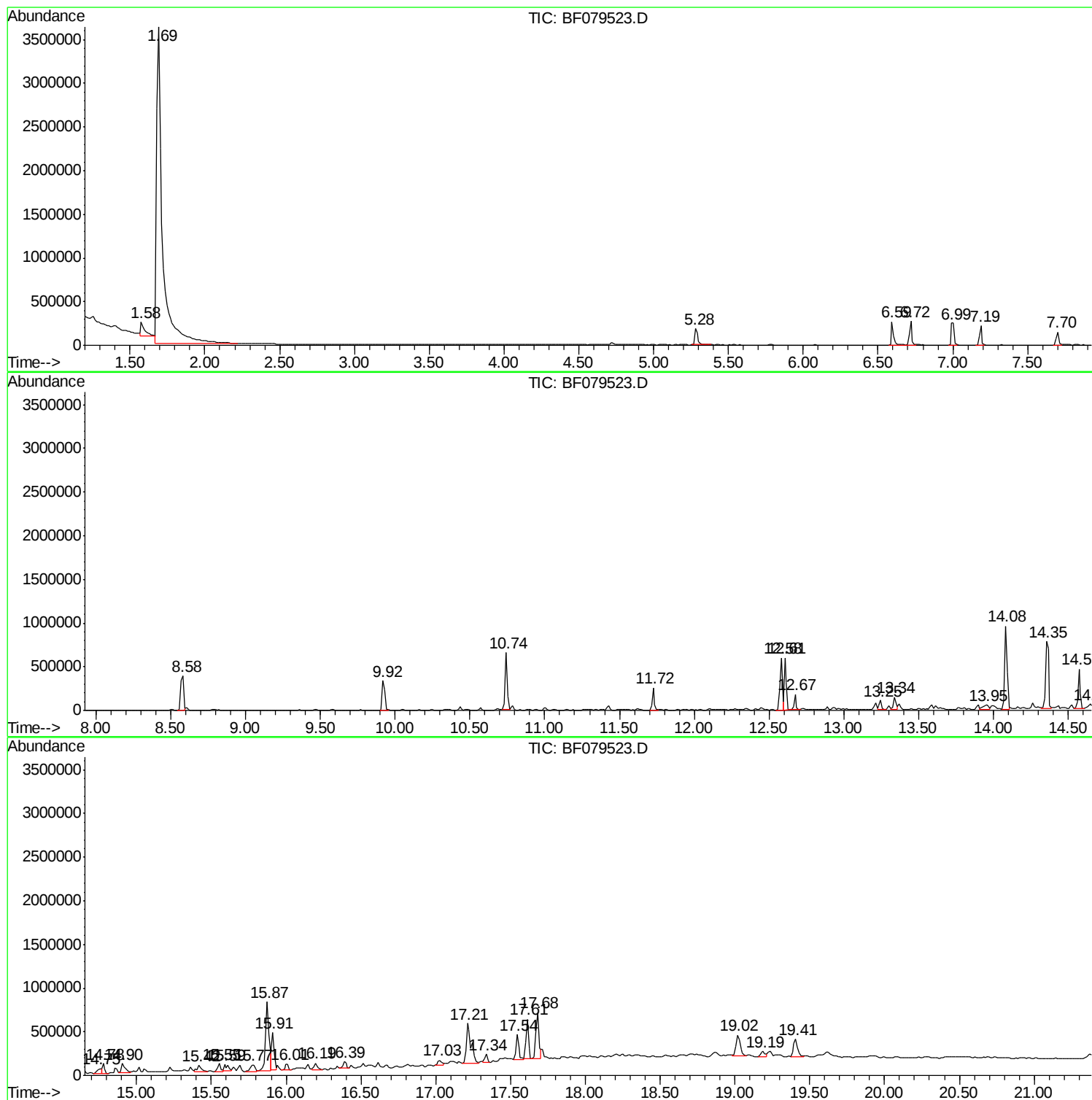
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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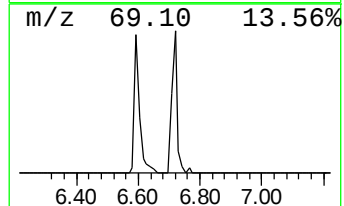
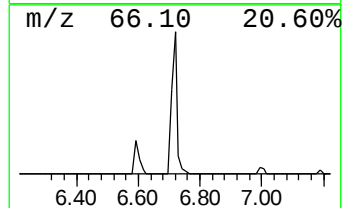
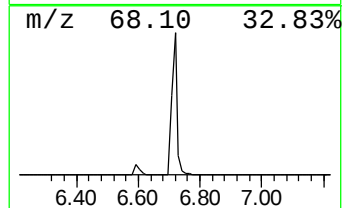
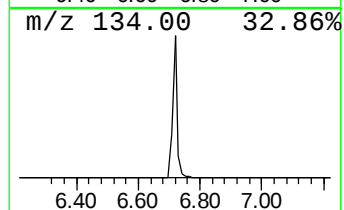
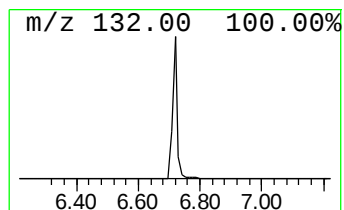
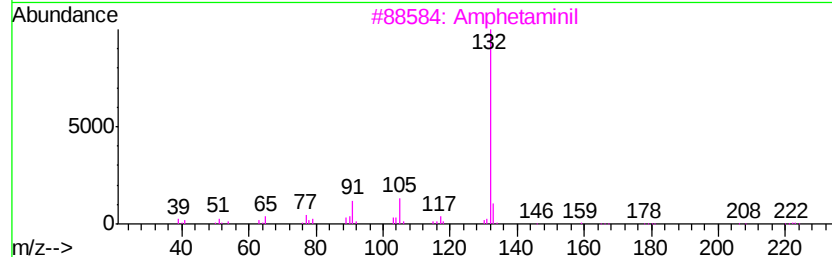
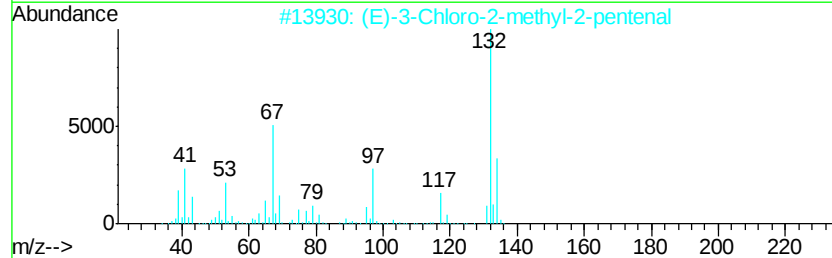
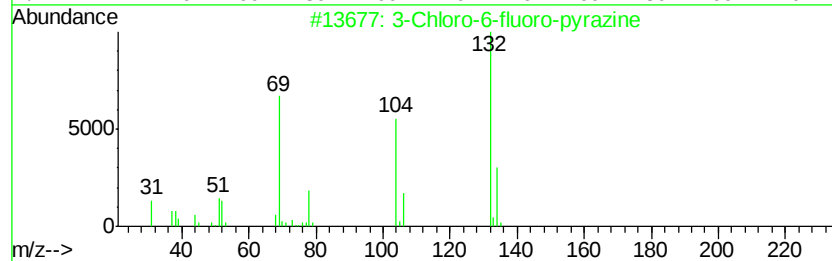
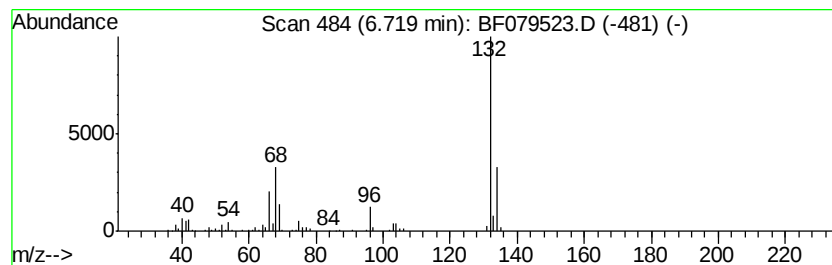
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.72 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	16.51 ng	299235	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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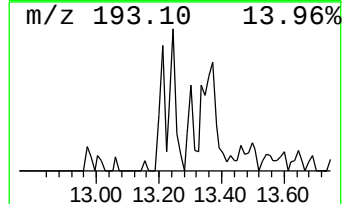
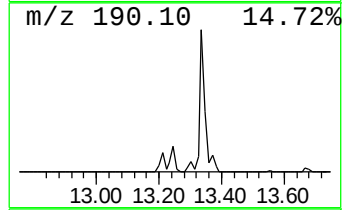
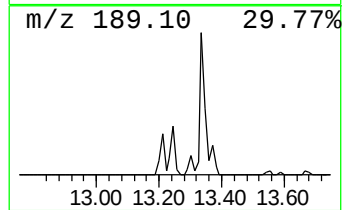
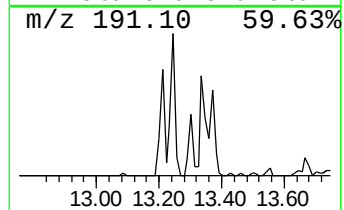
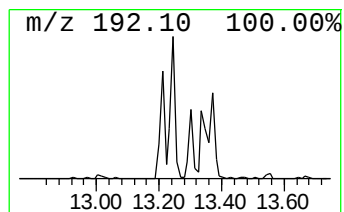
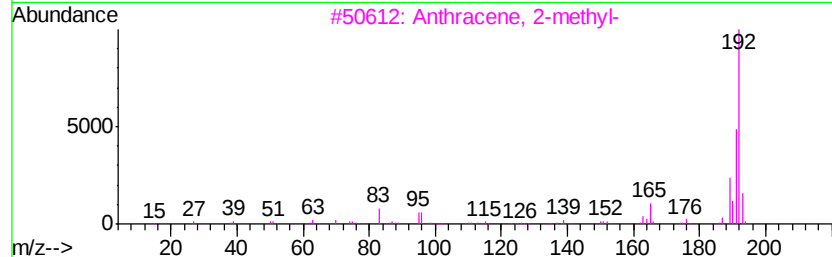
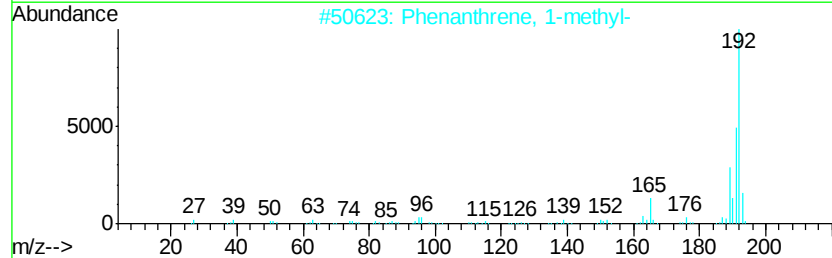
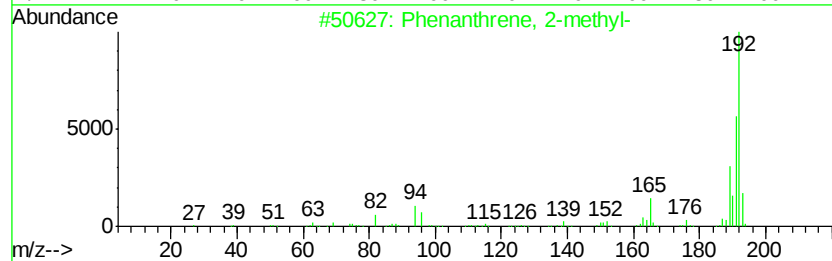
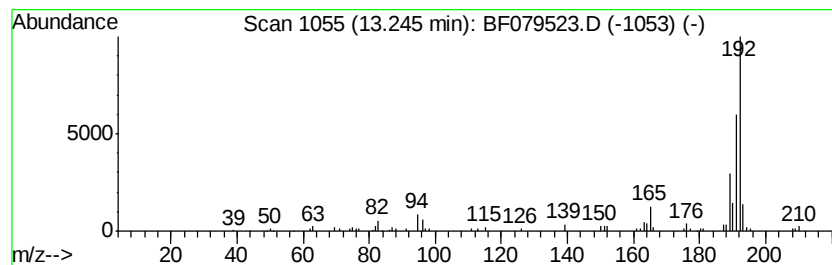
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.25	3.72 ng	117463	Phenanthrene-d10	12.58	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



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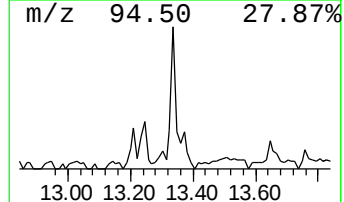
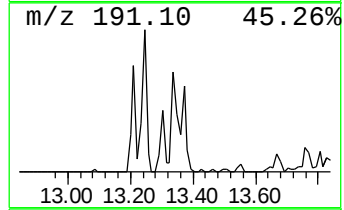
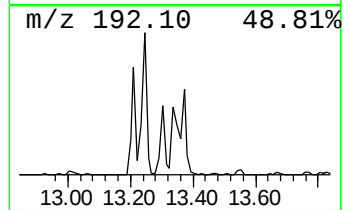
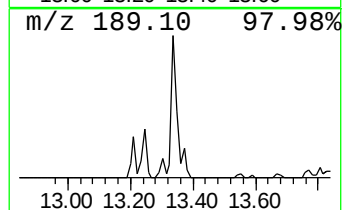
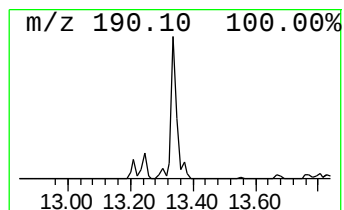
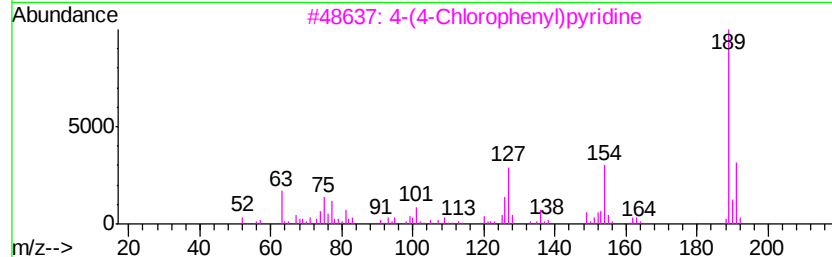
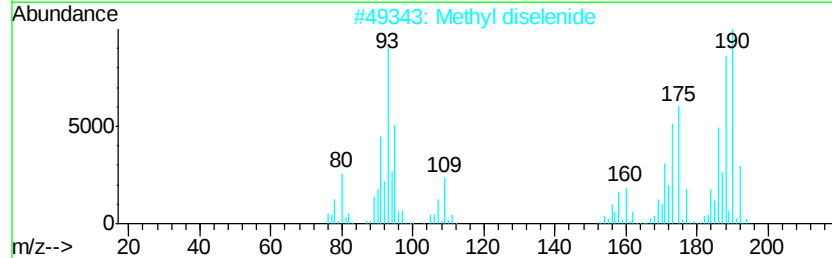
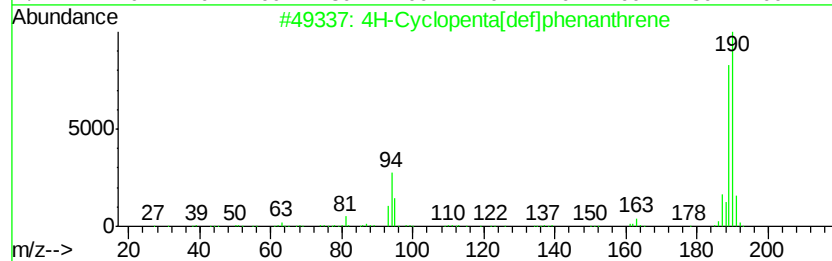
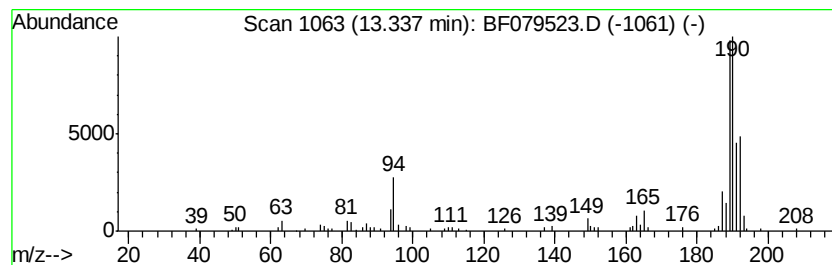
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	6.01 ng	189521	Phenanthrene-d10	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	38
3	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	12
4	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	10
5	4-Fluoro-2-(trifluoromethyl)benz...	189	C8H3F4N	194853-86-6	9



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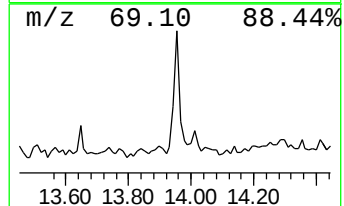
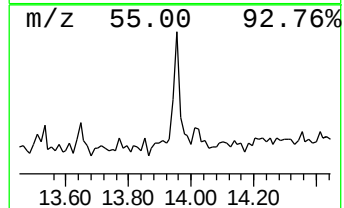
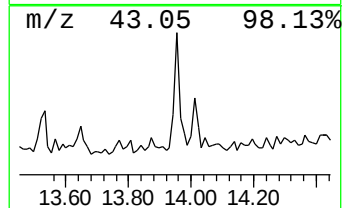
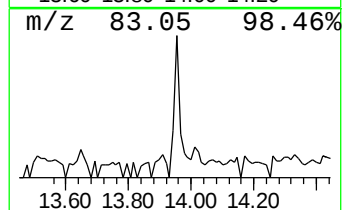
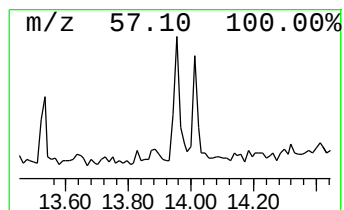
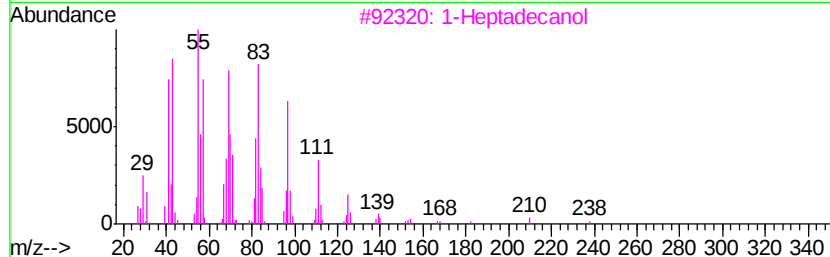
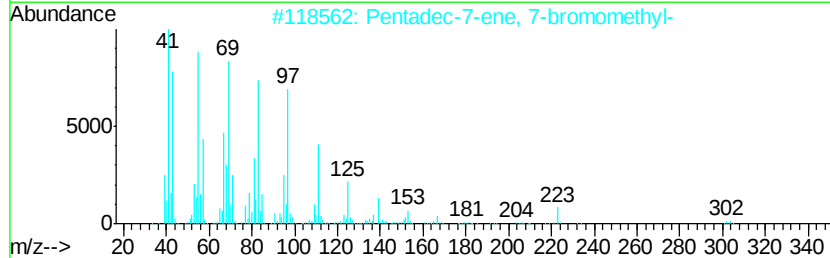
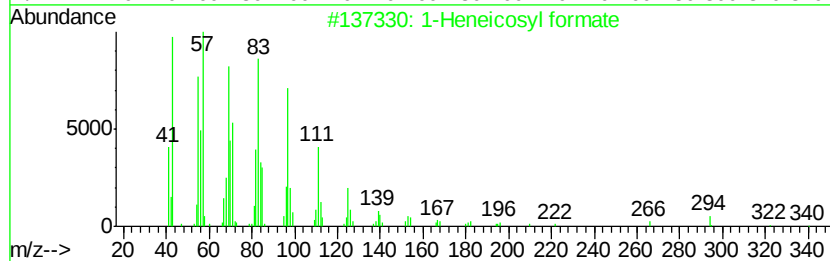
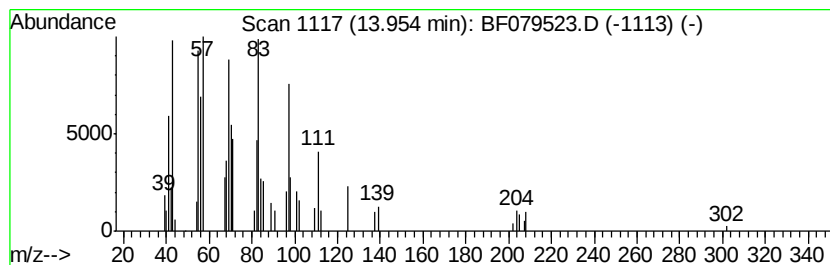
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1-Heneicosyl formate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.81 ng	120105	Phenanthrene-d10	12.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate		340	C22H44O2	077899-03-7	90
2	Pentadec-7-ene, 7-bromomethyl-		302	C16H31Br	1000259-58-5	90
3	1-Heptadecanol		256	C17H36O	001454-85-9	87
4	Cyclohexadecane		224	C16H32	000295-65-8	87
5	3-Eicosene, (E)-		280	C20H40	074685-33-9	87



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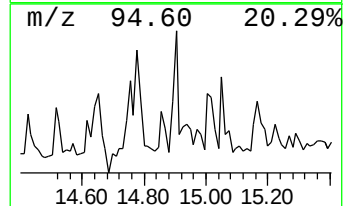
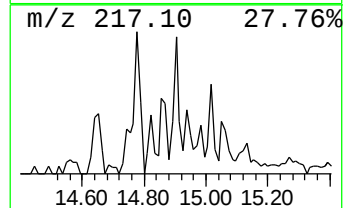
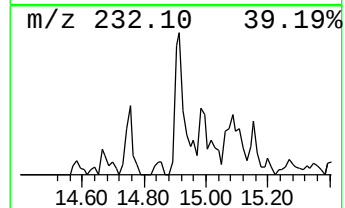
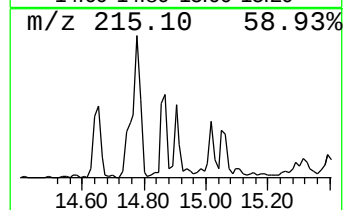
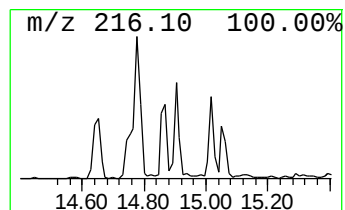
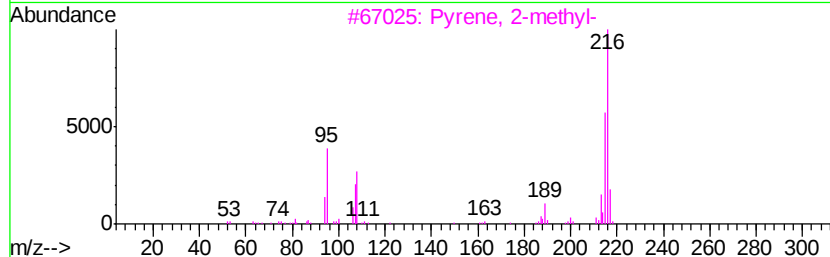
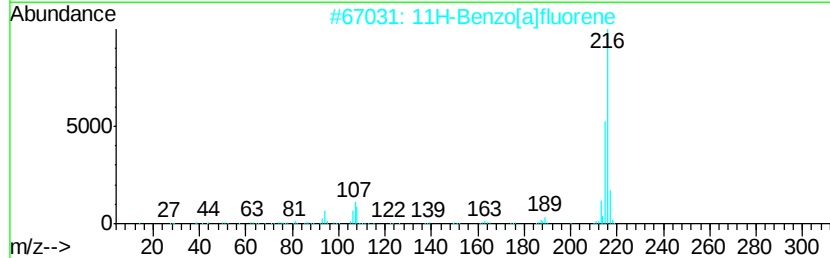
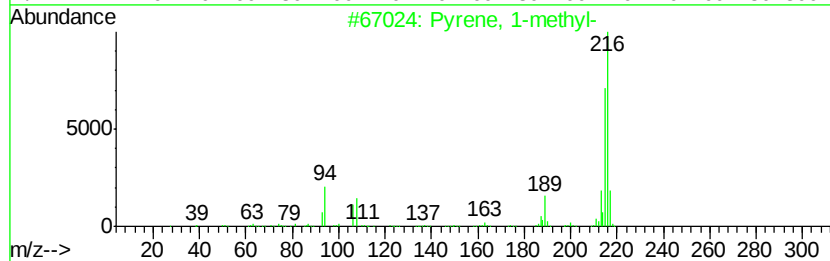
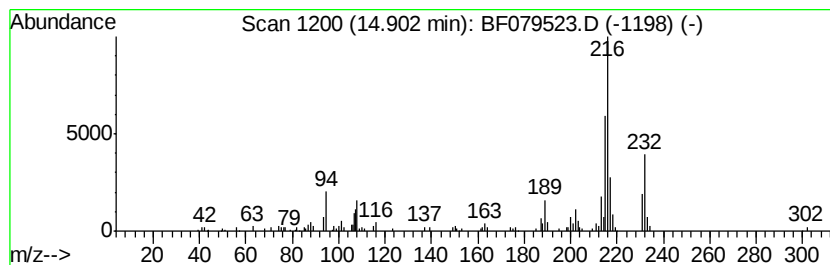
Instrument :
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.90	2.79 ng	201840	Chrysene-d12	15.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079523.D
Acq On : 27 May 2015 17:33
Operator : TP/IZ
Sample : G2359-12 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-26S

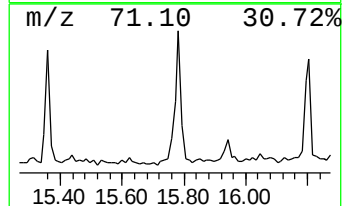
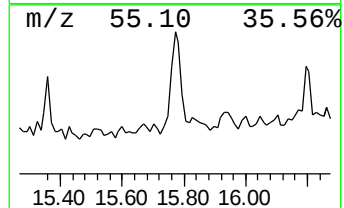
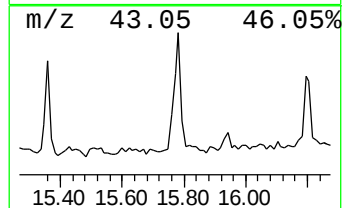
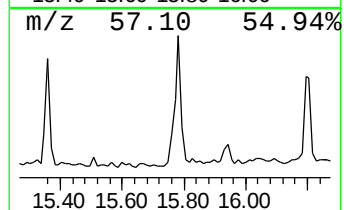
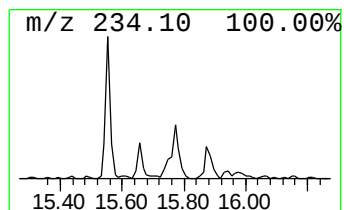
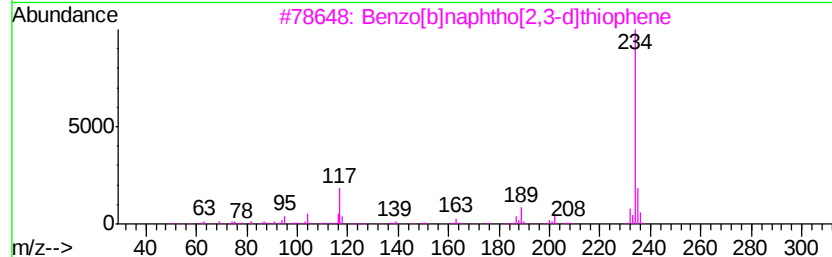
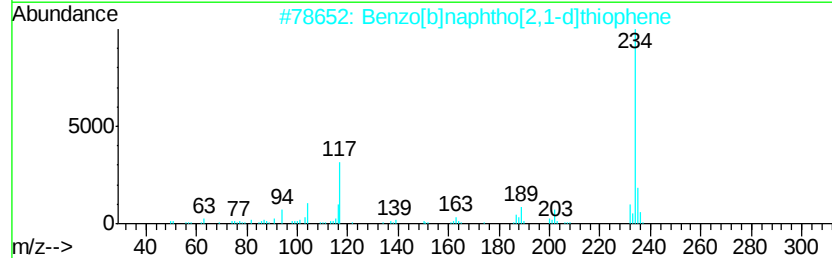
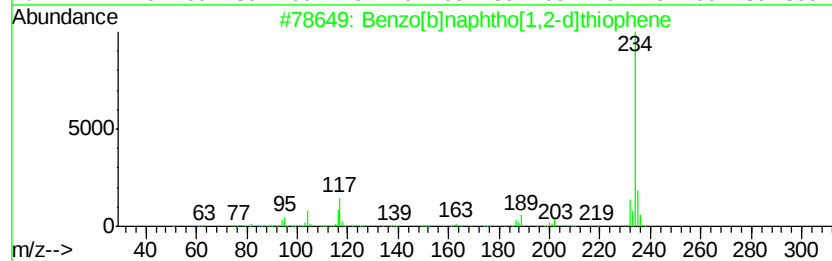
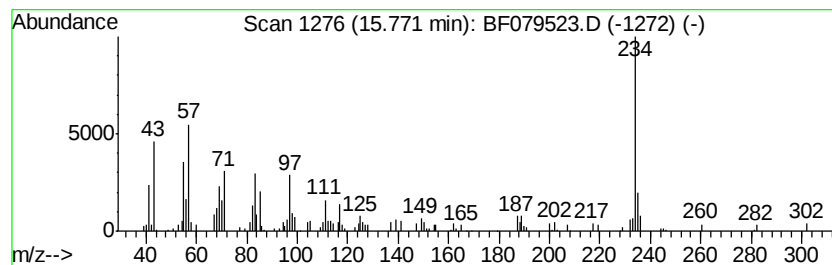
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[b]naphtho[1,2-d]thiophene... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	2.17 ng	157087	Chrysene-d12	15.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4		Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	49
5		Bicyclo[3.1.0]hexane, 1,6-diphenyl-	234	C18H18	056143-23-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079523.D
Acq On : 27 May 2015 17:33
Operator : TP/IZ
Sample : G2359-12 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-26S

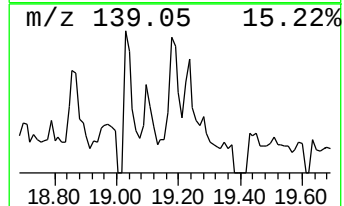
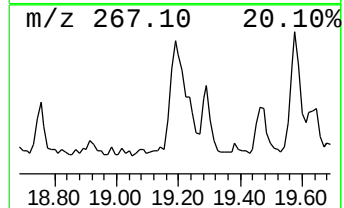
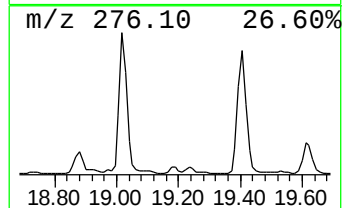
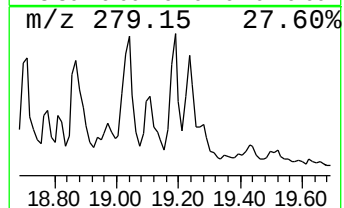
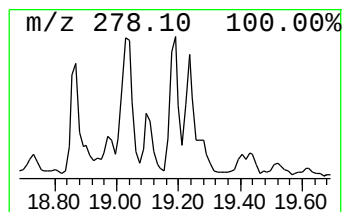
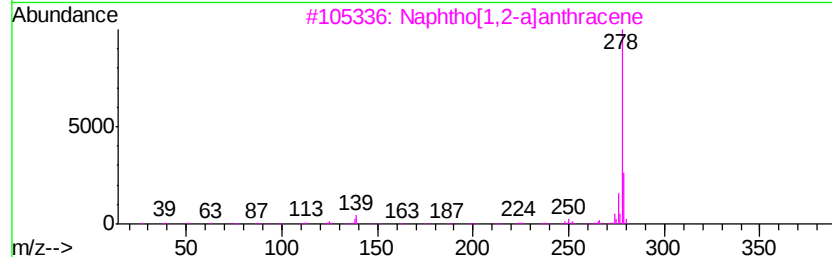
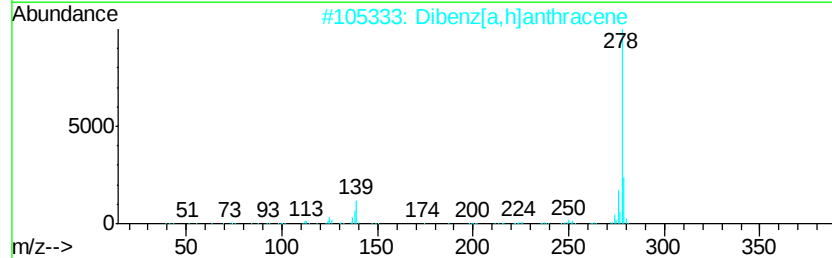
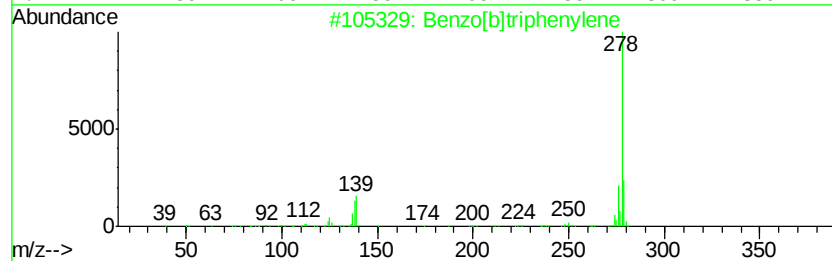
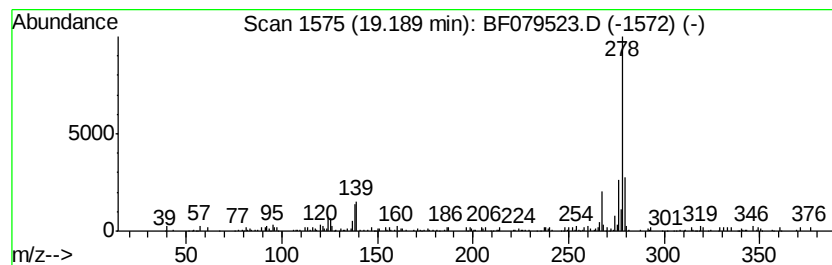
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	3.50 ng	131783	Perylene-d12	17.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	83
4		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	83
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-26S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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
unknown6.72	6.72	16.5	ng	299235	1	7.00	362445	20.0
Phenanthrene, 2-m...	13.25	3.7	ng	117463	4	12.58	631058	20.0
4H-Cyclopenta[def...	13.34	6.0	ng	189521	4	12.58	631058	20.0
1-Heneicosyl formate	13.95	3.8	ng	120105	4	12.58	631058	20.0
Pyrene, 1-methyl-	14.90	2.8	ng	201840	5	15.87	1444970	20.0
Benzo[b]naphtho[1...	15.77	2.2	ng	157087	5	15.87	1444970	20.0
7,12-DIHYDROBENZO...	17.03	3.3	ng	123762	6	17.68	752257	20.0
Benzo[b]triphenylene	19.19	3.5	ng	131783	6	17.68	752257	20.0