

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089712.D
 Acq On : 10 Aug 2016 23:50
 Operator : UM/SJ
 Sample : H4400-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

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-BF080416.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.575	172	174	184	rBV	9566	29374	2.12%	0.181%
2	4.604	260	264	281	rBV	283983	604601	43.67%	3.718%
3	5.301	323	325	346	rBV	373870	754945	54.53%	4.642%
4	5.884	373	376	382	rBV	9135	15121	1.09%	0.093%
5	6.959	468	470	476	rBV	644508	1078465	77.90%	6.631%
6	7.062	476	479	490	rVB	733518	1166424	84.25%	7.172%
7	7.404	506	509	515	rBV	187913	270074	19.51%	1.661%
8	7.633	526	529	532	rBV	653794	951638	68.74%	5.851%
9	8.319	585	589	598	rBV	378483	699654	50.54%	4.302%
10	8.445	598	600	609	rVB2	10808	24908	1.80%	0.153%
11	9.428	684	686	692	rBV	310153	403655	29.16%	2.482%
12	10.513	779	781	783	rBB	13082	14557	1.05%	0.090%
13	10.593	786	788	793	rBV	13927	20917	1.51%	0.129%
14	10.742	799	801	805	rBB	14311	17927	1.29%	0.110%
15	11.211	839	842	845	rBV	1142145	1384426	100.00%	8.513%
16	11.428	859	861	866	rBV	13323	21651	1.56%	0.133%
17	11.725	885	887	889	rBV	16706	20623	1.49%	0.127%
18	11.771	889	891	894	rVB	10262	13962	1.01%	0.086%
19	11.896	900	902	905	rBV	202914	235148	16.99%	1.446%
20	11.953	905	907	909	rVV	12203	17153	1.24%	0.105%
21	12.022	911	913	918	rVB	20002	32444	2.34%	0.199%
22	12.251	930	933	935	rBV	319414	391338	28.27%	2.406%
23	12.296	935	937	941	rVB	47836	62095	4.49%	0.382%
24	12.594	959	963	967	rBV2	10606	23511	1.70%	0.145%
25	12.685	967	971	972	rBV	8512	15030	1.09%	0.092%
26	12.799	976	981	984	rBV3	8231	27197	1.96%	0.167%
27	13.108	1003	1008	1010	rBV	47024	63638	4.60%	0.391%
28	13.142	1010	1011	1016	rVB	22393	29409	2.12%	0.181%
29	13.462	1036	1039	1042	rVB2	13108	23624	1.71%	0.145%
30	13.542	1044	1046	1050	rBV2	64910	88960	6.43%	0.547%
31	13.771	1061	1066	1069	rBV3	5954	14585	1.05%	0.090%
32	13.885	1073	1076	1081	rVV	45984	101404	7.32%	0.624%
33	14.354	1115	1117	1122	rVV3	8602	18670	1.35%	0.115%
34	14.479	1126	1128	1130	rVB	10268	15620	1.13%	0.096%

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35	14.639	1140	1142	1144	rBV	174835	258009	18.64%	1.586%
36	14.685	1144	1146	1150	rVB	292353	386666	27.93%	2.378%
37	14.765	1150	1153	1158	rVB	57582	88715	6.41%	0.545%
38	15.074	1177	1180	1181	rBV	11369	17383	1.26%	0.107%
39	15.211	1190	1192	1197	rVB2	7783	18588	1.34%	0.114%
40	15.291	1197	1199	1203	rBV2	22153	32795	2.37%	0.202%
41	15.451	1210	1213	1214	rBV	34269	50990	3.68%	0.314%
42	15.485	1214	1216	1221	rVV	55289	77664	5.61%	0.478%
43	15.554	1221	1222	1224	rVV	13503	21925	1.58%	0.135%
44	15.600	1224	1226	1228	rVV	52540	81199	5.87%	0.499%
45	15.634	1228	1229	1236	rVB3	26156	54199	3.91%	0.333%
46	15.897	1250	1252	1254	rBV	48306	61815	4.47%	0.380%
47	15.942	1254	1256	1259	rVB	18556	26584	1.92%	0.163%
48	16.114	1268	1271	1273	rBV	8626	15727	1.14%	0.097%
49	16.251	1281	1283	1285	rBV	34172	48285	3.49%	0.297%
50	16.297	1285	1287	1289	rVV	21569	35778	2.58%	0.220%
51	16.365	1292	1293	1298	rVB	28830	44048	3.18%	0.271%
52	16.457	1298	1301	1304	rBV	524838	624333	45.10%	3.839%
53	16.514	1304	1306	1308	rVB2	13253	17556	1.27%	0.108%
54	16.560	1308	1310	1312	rBV2	18592	28355	2.05%	0.174%
55	16.651	1316	1318	1325	rBV3	15005	43305	3.13%	0.266%
56	16.765	1325	1328	1331	rVV	438005	621777	44.91%	3.823%
57	16.845	1333	1335	1337	rVB2	20486	27906	2.02%	0.172%
58	16.880	1337	1338	1341	rVB	15911	22476	1.62%	0.138%
59	16.960	1342	1345	1346	rBV	32328	48906	3.53%	0.301%
60	17.017	1347	1350	1353	rVV	714687	961208	69.43%	5.910%
61	17.085	1353	1356	1359	rVV2	25774	48354	3.49%	0.297%
62	17.188	1362	1365	1367	rBV2	30428	72637	5.25%	0.447%
63	17.234	1367	1369	1372	rVB	37377	55305	3.99%	0.340%
64	17.314	1374	1376	1378	rVB	24611	28173	2.03%	0.173%
65	17.360	1378	1380	1384	rBV3	56294	102045	7.37%	0.627%
66	17.474	1388	1390	1392	rVV	27845	32795	2.37%	0.202%
67	17.520	1392	1394	1395	rVV	14264	15543	1.12%	0.096%
68	17.703	1408	1410	1411	rVB2	19274	25907	1.87%	0.159%
69	17.874	1423	1425	1426	rBV	24457	27504	1.99%	0.169%
70	17.908	1426	1428	1431	rVB	43560	56715	4.10%	0.349%
71	18.034	1436	1439	1441	rBV2	37869	97000	7.01%	0.596%

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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

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72	18.126	1446	1447	1450	rVV2	30340	38936	2.81%	0.239%
73	18.183	1450	1452	1455	rVV	46143	56087	4.05%	0.345%
74	18.297	1460	1462	1464	rBV2	41826	76267	5.51%	0.469%
75	18.354	1464	1467	1469	rVV2	372984	693219	50.07%	4.262%
76	18.388	1469	1470	1473	rVV	253480	328504	23.73%	2.020%
77	18.446	1473	1475	1476	rVV2	37732	54692	3.95%	0.336%
78	18.480	1476	1478	1481	rVB	34120	44959	3.25%	0.276%
79	18.628	1489	1491	1494	rVB2	18348	21709	1.57%	0.133%
80	18.674	1494	1495	1498	rBV3	18273	41134	2.97%	0.253%
81	18.857	1505	1511	1513	rBV2	47774	127285	9.19%	0.783%
82	18.903	1513	1515	1517	rVB2	28200	37602	2.72%	0.231%
83	19.280	1546	1548	1549	rBV	16777	19199	1.39%	0.118%
84	19.451	1561	1563	1566	rBV2	38825	76520	5.53%	0.471%
85	19.623	1575	1578	1584	rBV	250533	534470	38.61%	3.286%
86	19.726	1586	1587	1590	rVB	36735	53817	3.89%	0.331%
87	19.909	1601	1603	1607	rBV	150028	203861	14.73%	1.254%
88	19.966	1607	1608	1611	rVV	171907	229169	16.55%	1.409%
89	20.023	1611	1613	1620	rVV2	214562	353011	25.50%	2.171%
90	21.212	1714	1717	1720	rVB	91750	172490	12.46%	1.061%
91	21.543	1743	1746	1754	rVB	74787	169408	12.24%	1.042%

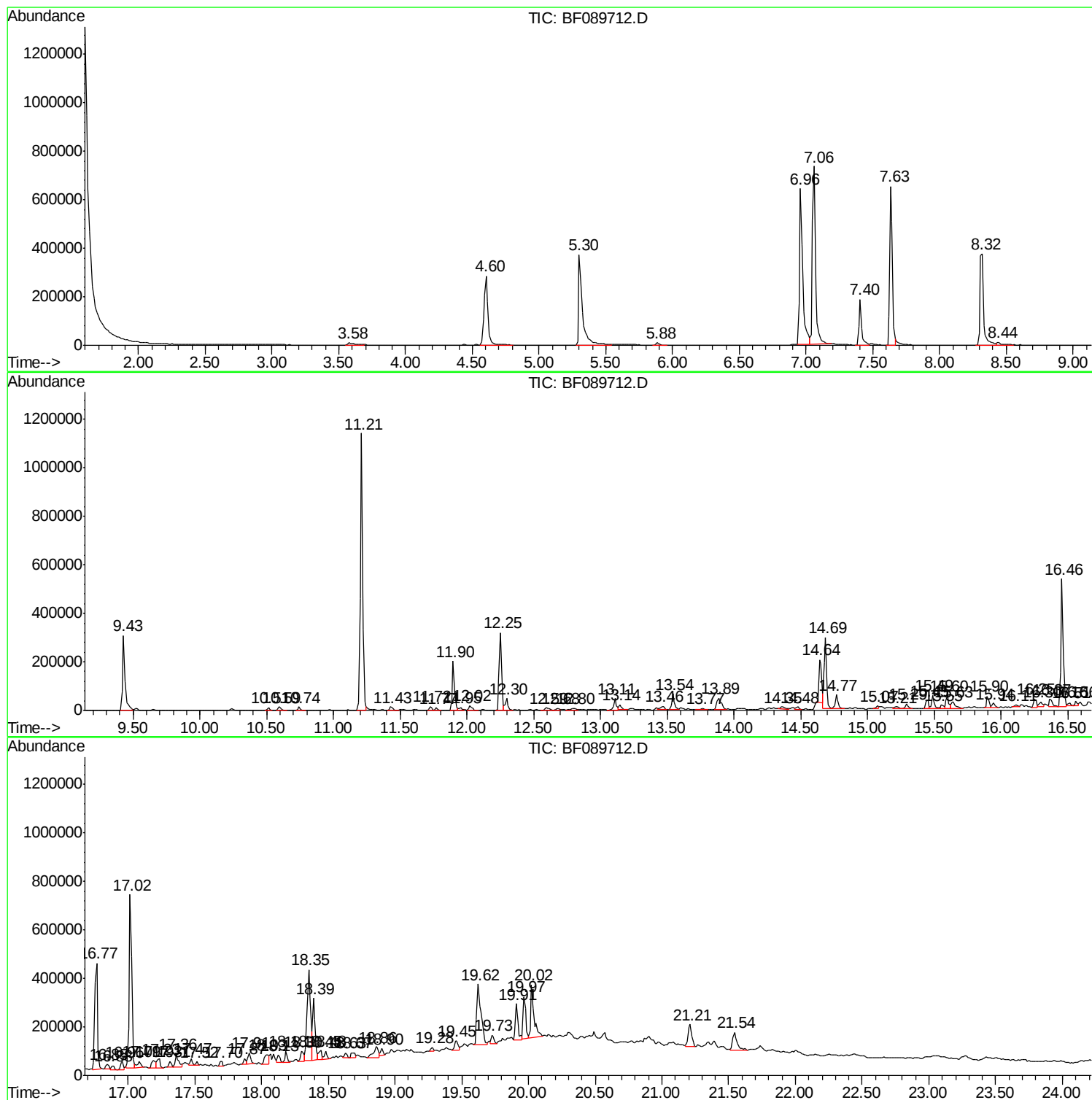
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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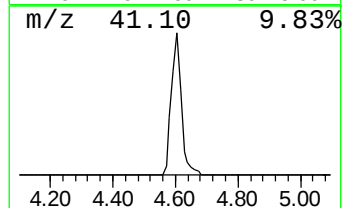
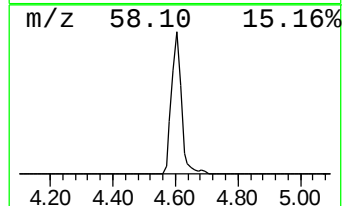
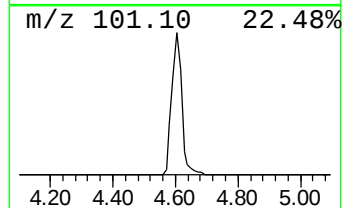
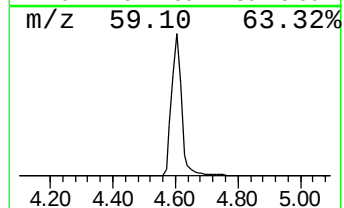
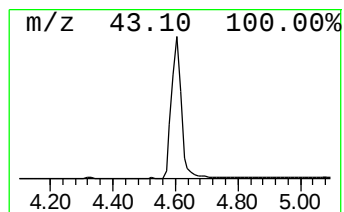
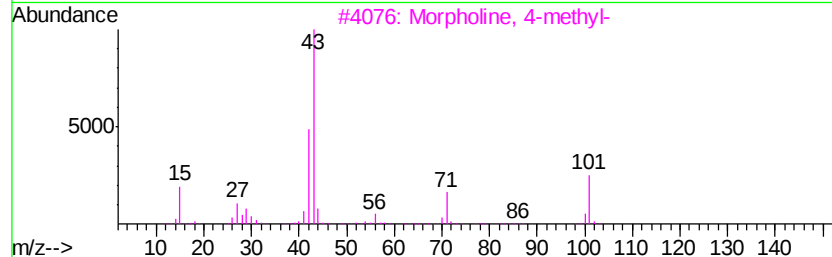
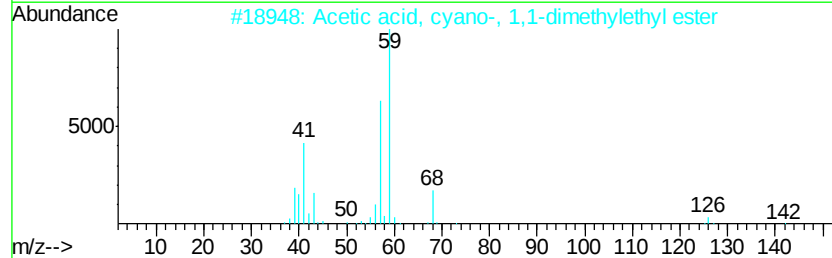
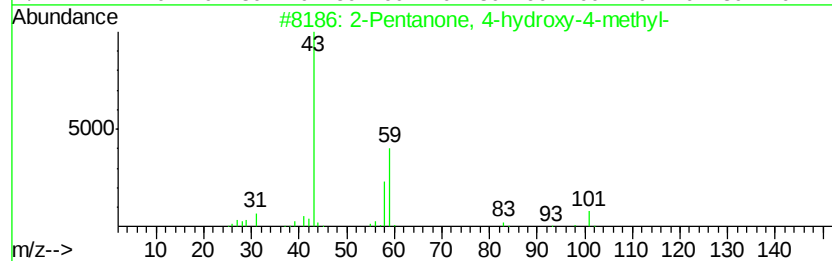
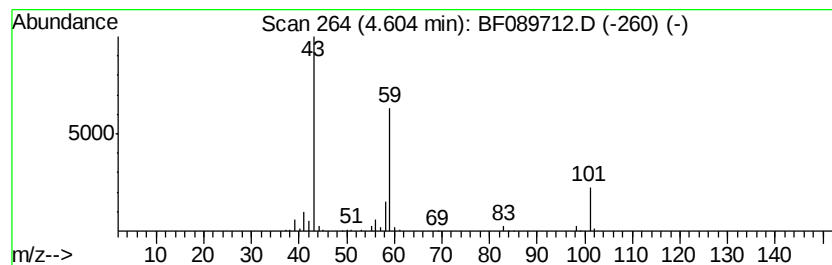
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	44.77 ng	604601	1,4-Dichlorobenzene-d4	7.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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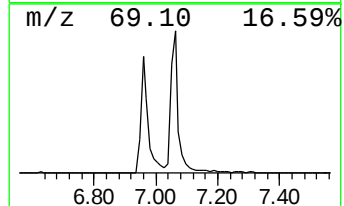
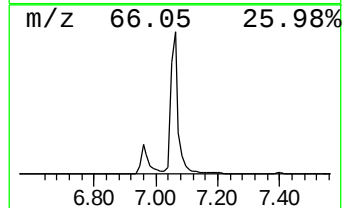
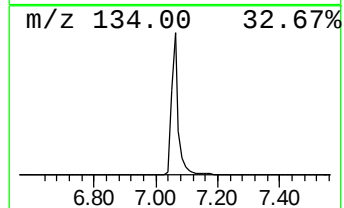
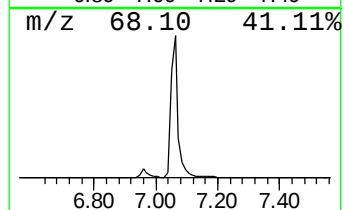
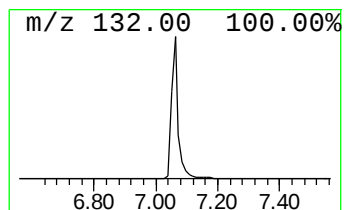
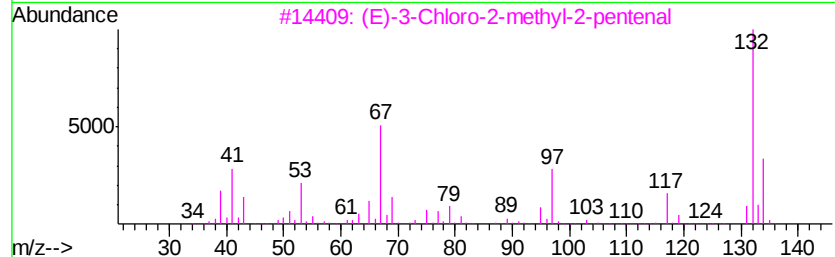
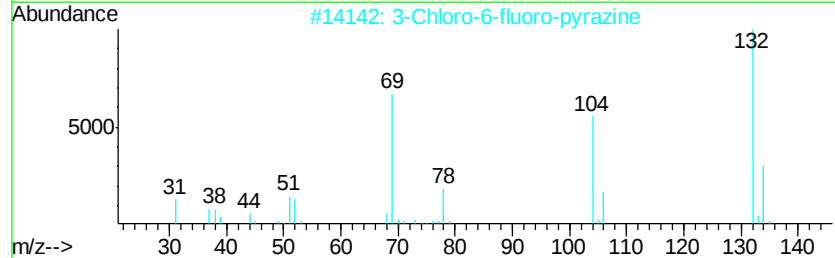
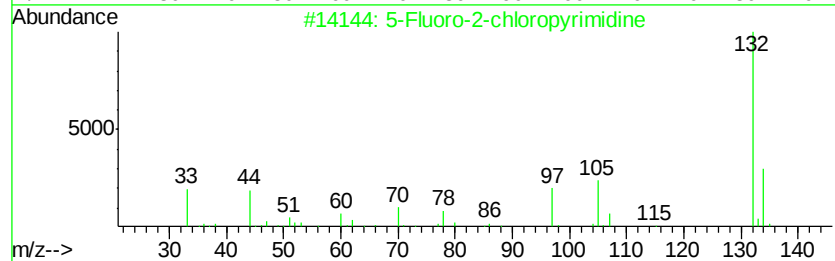
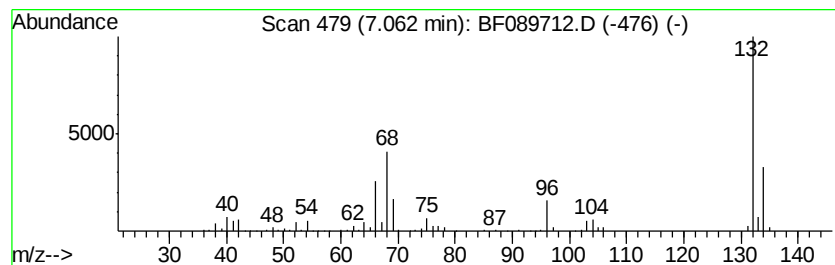
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.06 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	86.38 ng	1166420	1,4-Dichlorobenzene-d4	7.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



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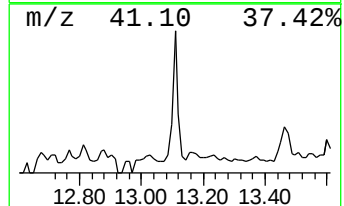
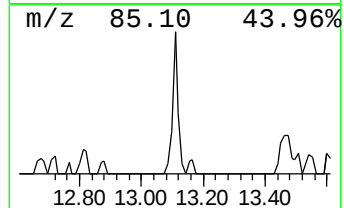
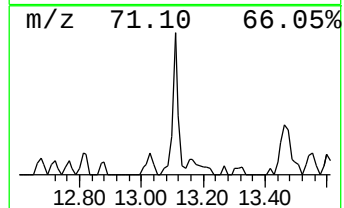
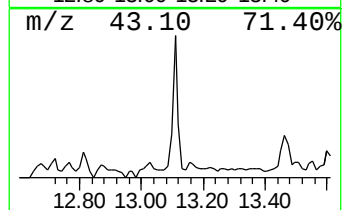
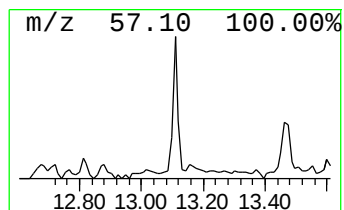
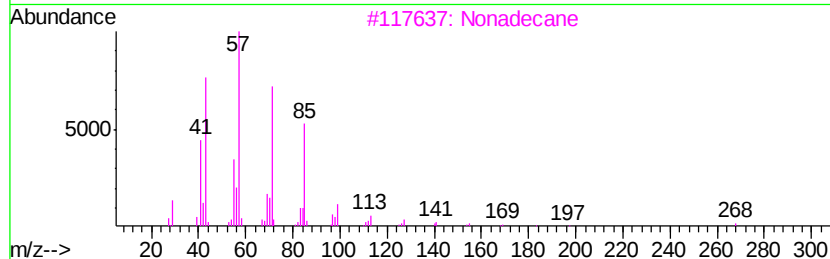
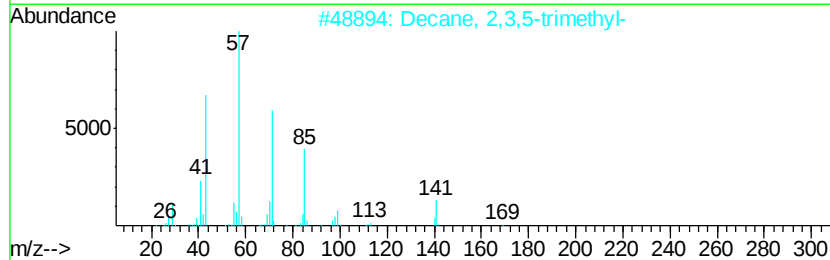
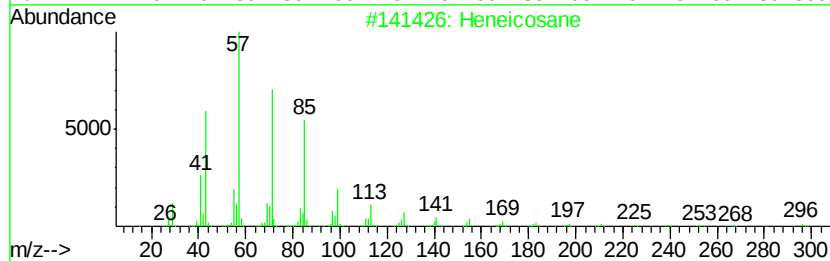
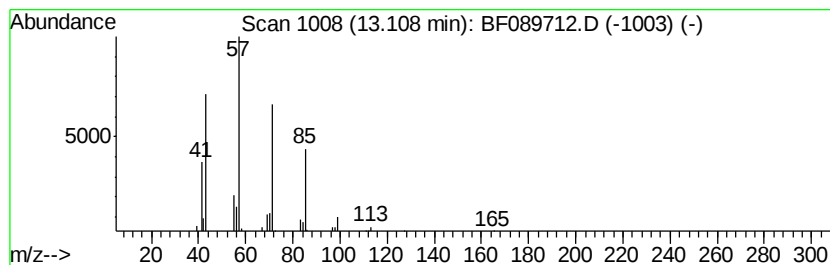
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	3.25 ng	63638	Acenaphthene-d10	12.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	90
2	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	90
3	Nonadecane		268	C19H40	000629-92-5	87
4	10-Methylnonadecane		282	C20H42	056862-62-5	86
5	Tetradecane		198	C14H30	000629-59-4	86



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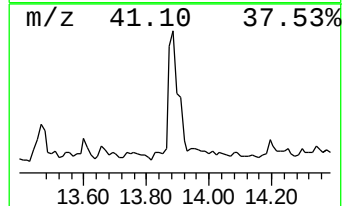
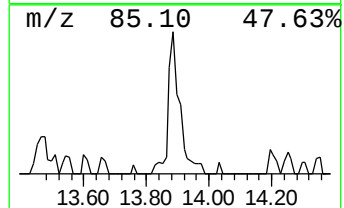
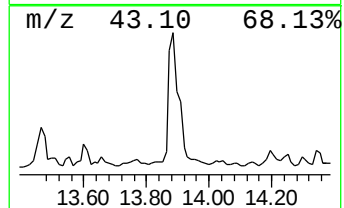
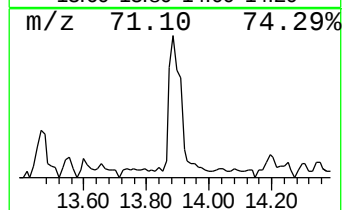
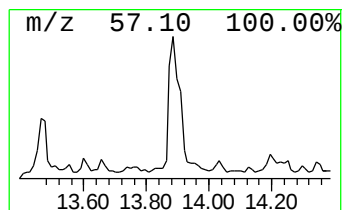
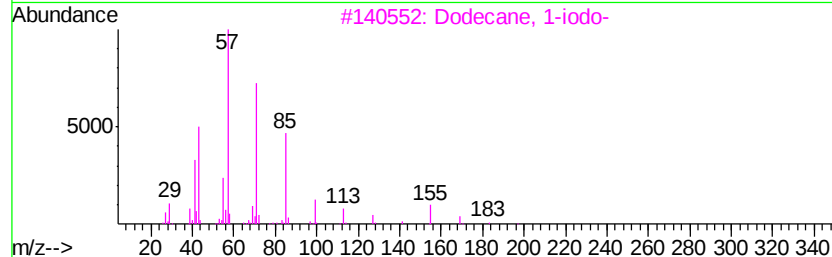
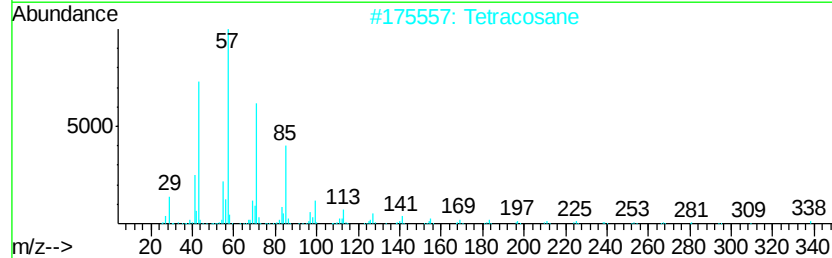
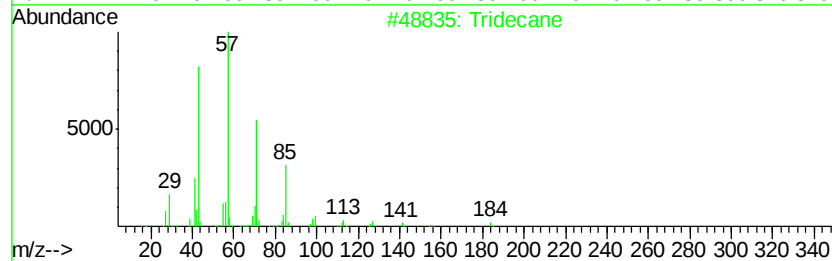
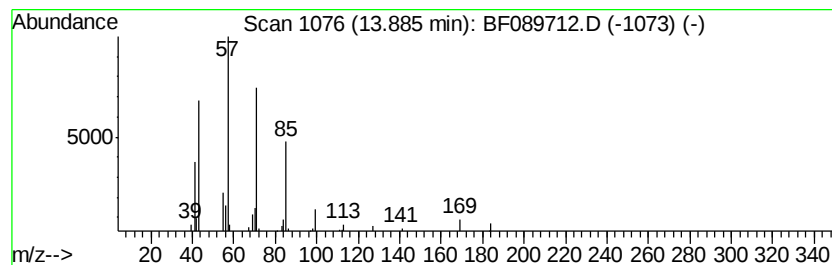
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	7.86 ng	101404	Phenanthrene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tetracosane	338	C24H50	000646-31-1	87
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Octacosane	394	C28H58	000630-02-4	86
5	Pentadecane	212	C15H32	000629-62-9	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

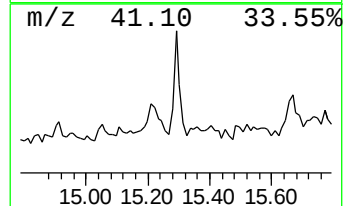
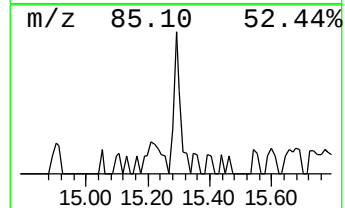
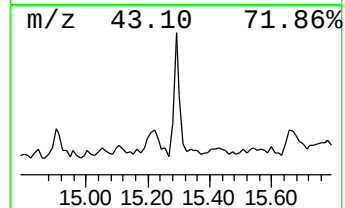
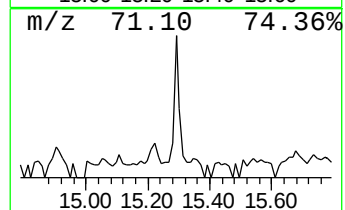
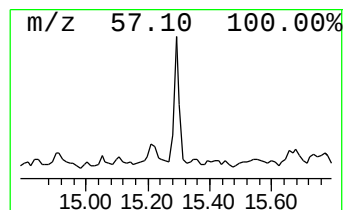
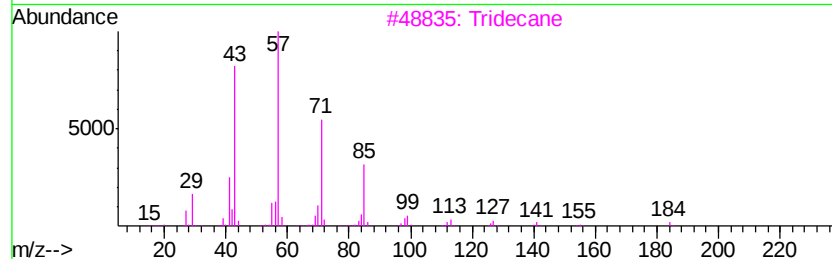
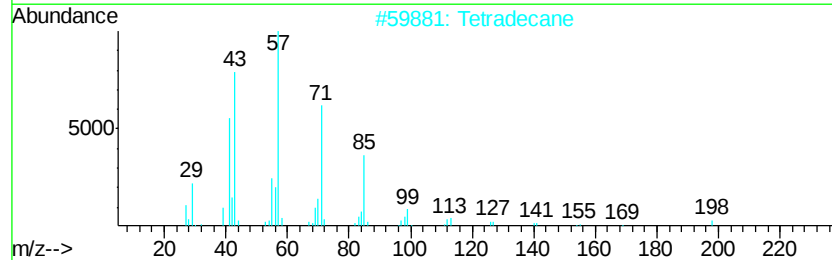
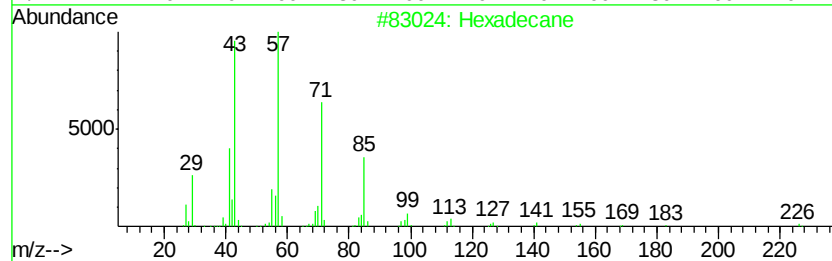
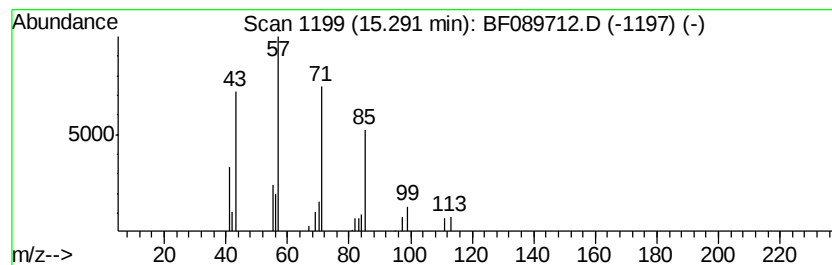
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.29	2.54 ng	32795	Phenanthrene-d10	14.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Tetradecane	198	C14H30	000629-59-4	83
3	Tridecane	184	C13H28	000629-50-5	78
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

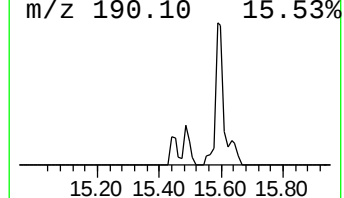
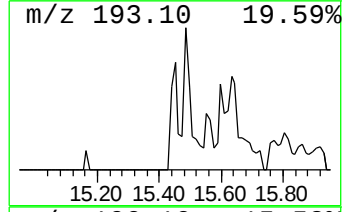
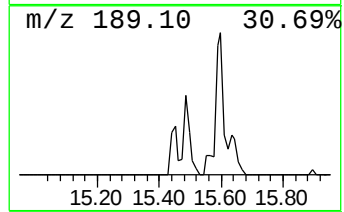
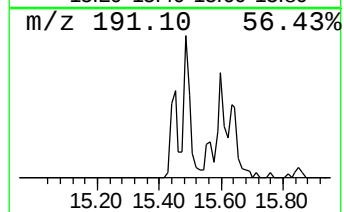
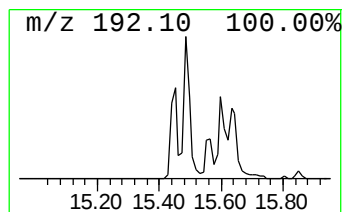
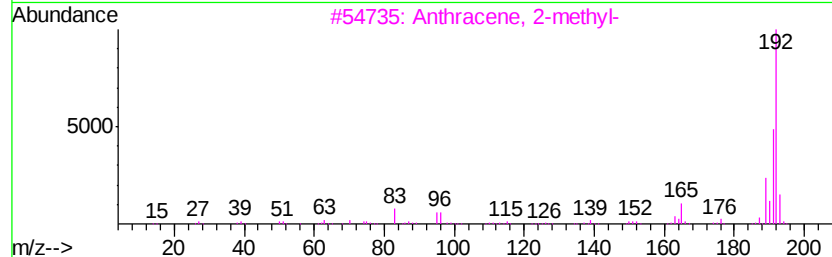
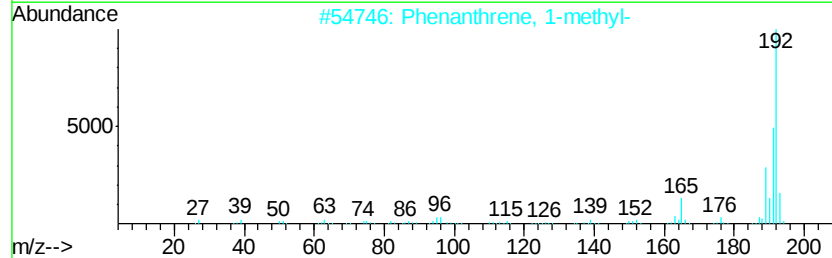
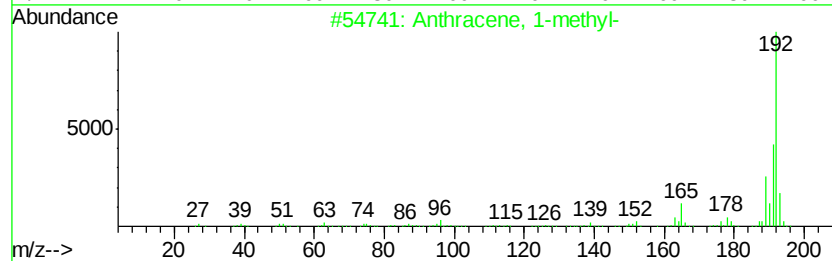
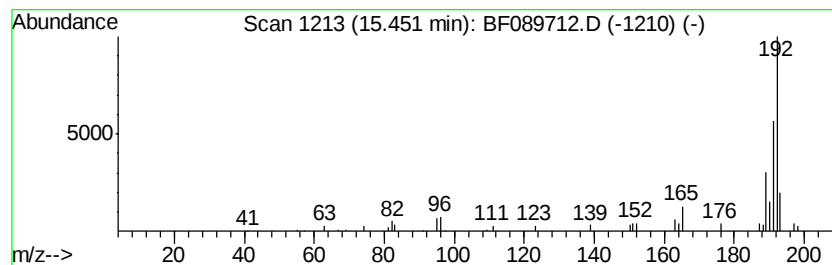
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.45	3.95 ng	50990	Phenanthrene-d10		14.64
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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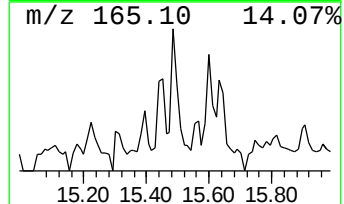
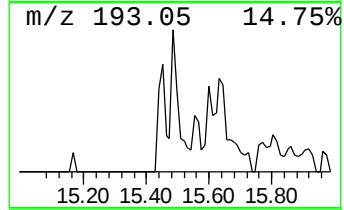
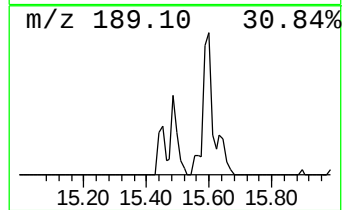
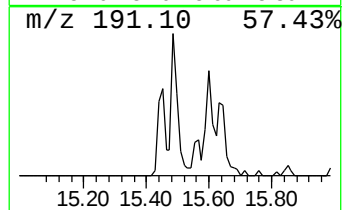
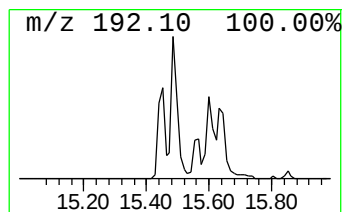
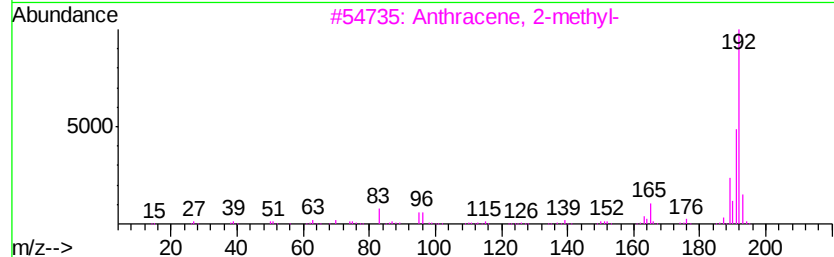
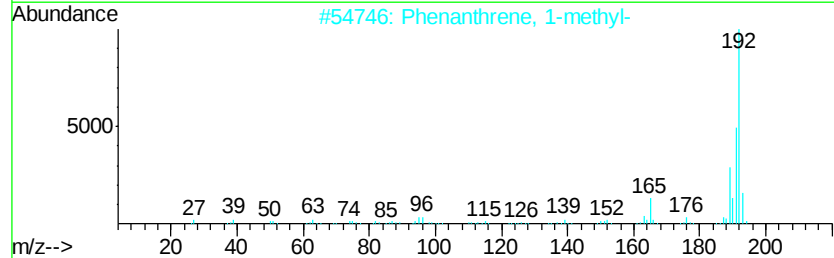
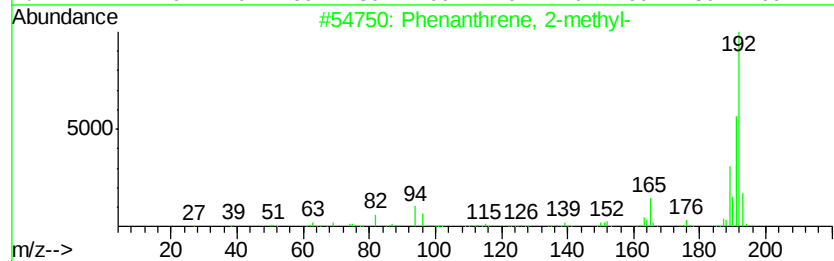
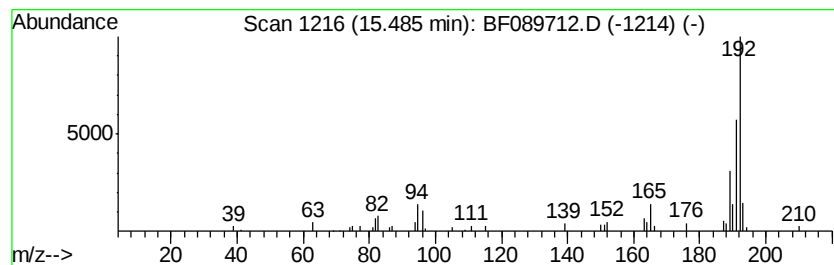
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	6.02 ng	77664	Phenanthrene-d10	14.64

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95	
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95	
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
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ALS Vial : 13 Sample Multiplier: 1

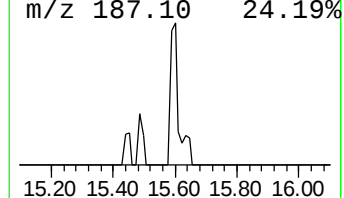
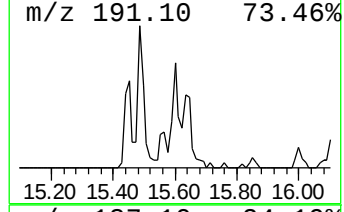
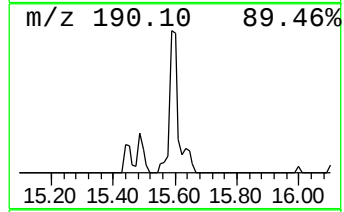
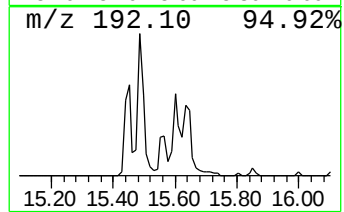
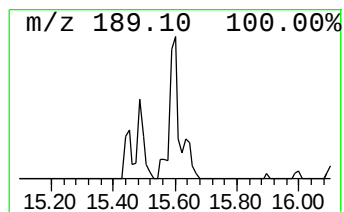
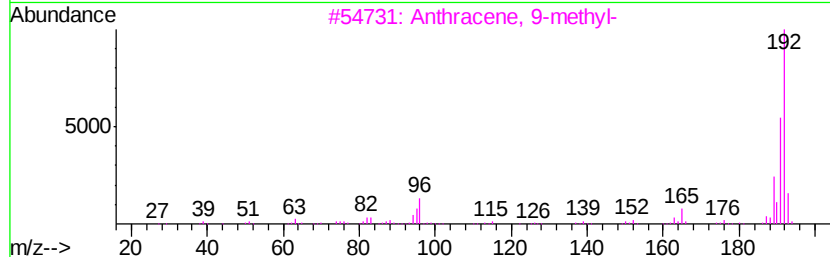
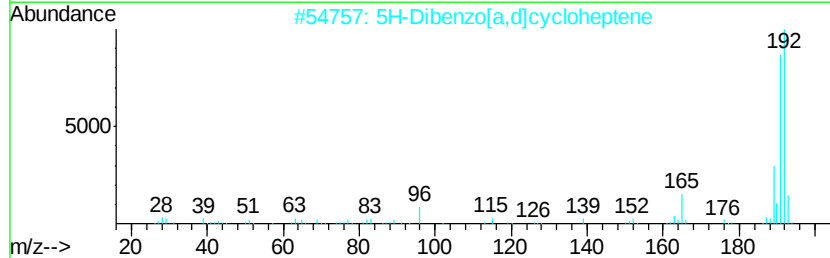
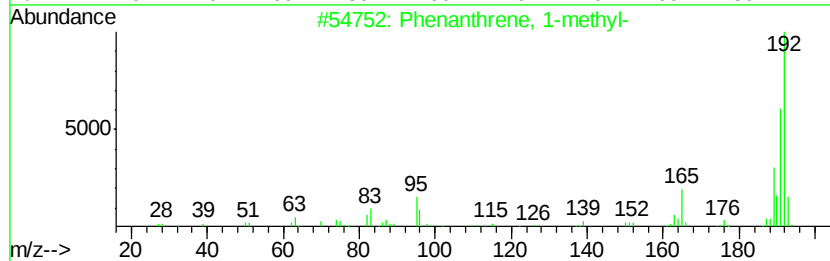
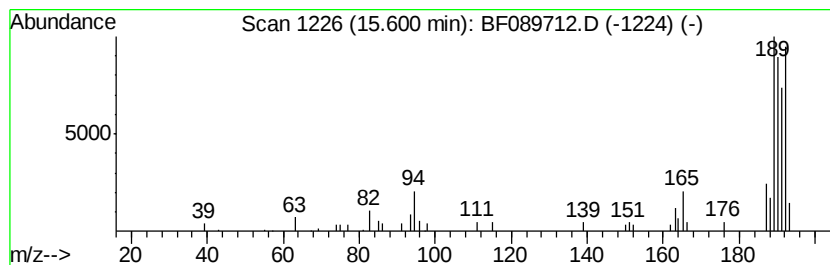
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.		
15.60	6.29 ng	81199	Phenanthrene-d10		14.64		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	49
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
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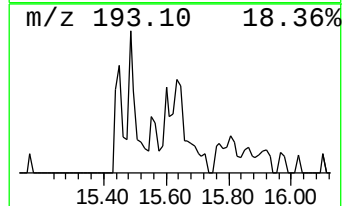
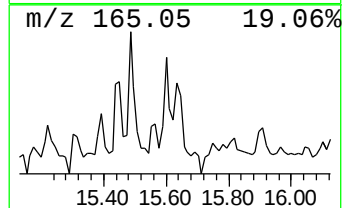
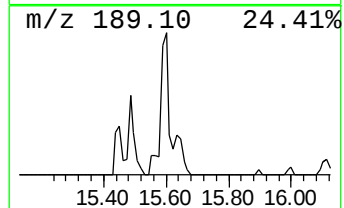
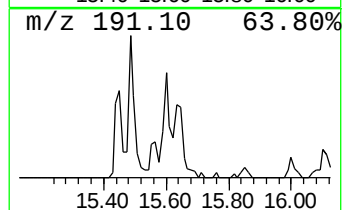
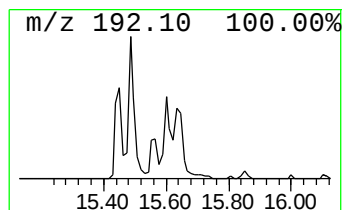
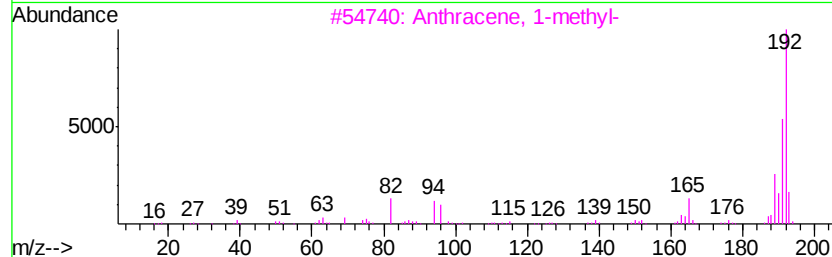
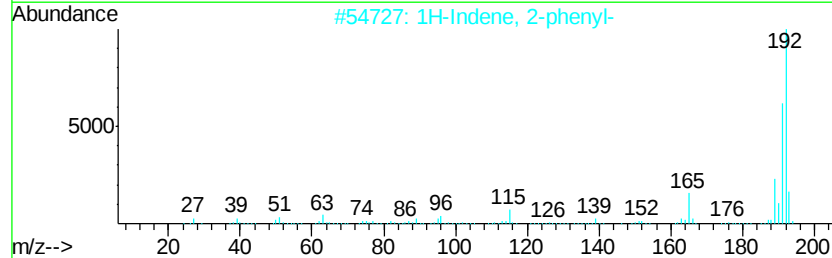
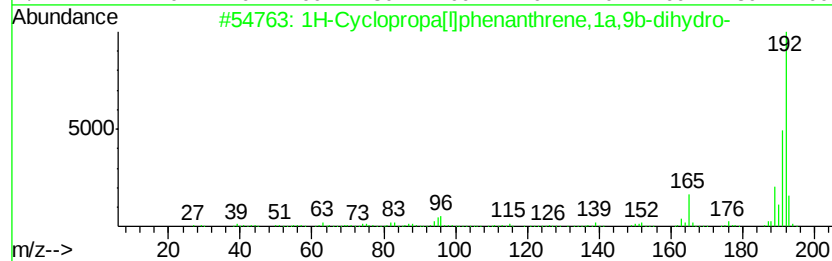
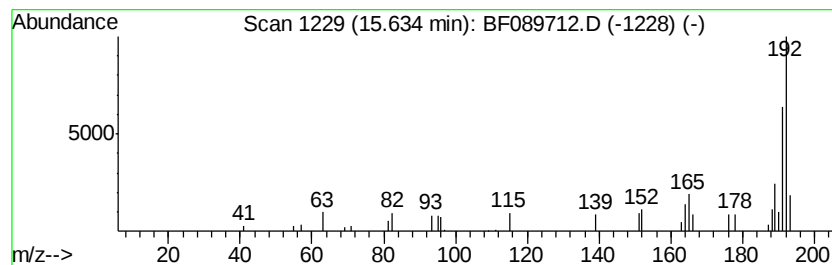
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.63	4.20 ng	54199	Phenanthrene-d10	14.64		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	76
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	64
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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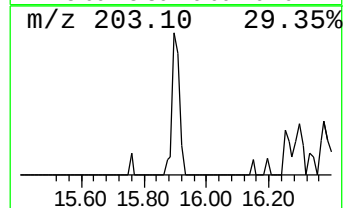
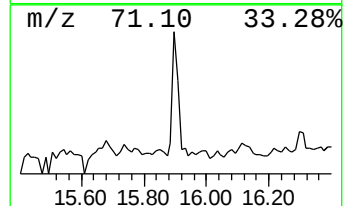
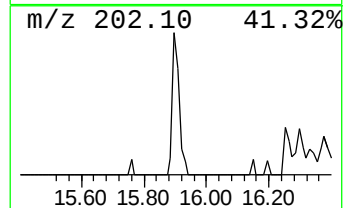
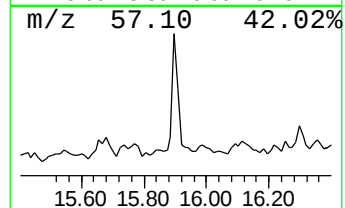
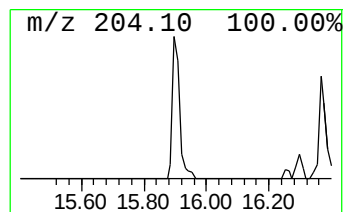
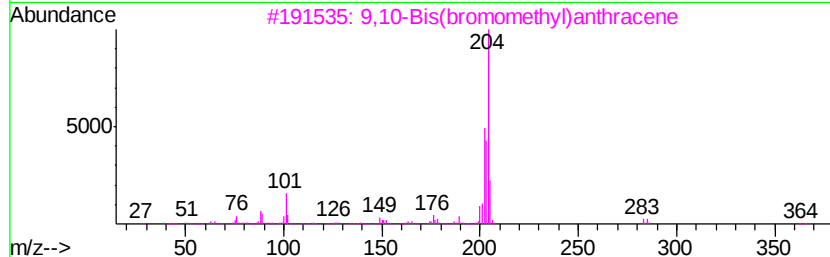
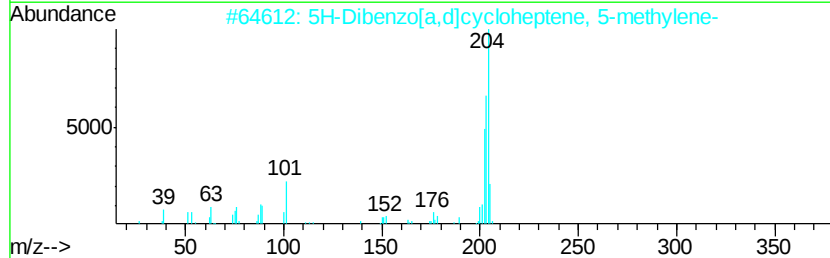
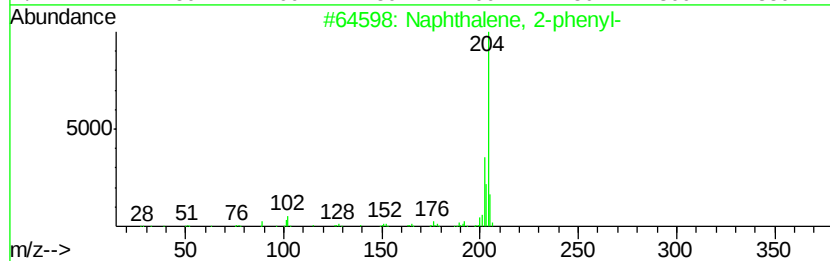
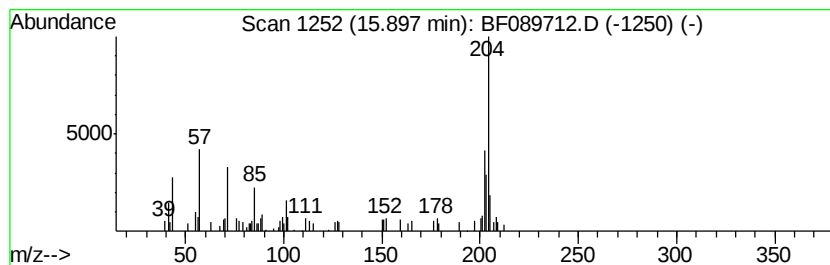
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.90	4.79 ng	61815	Phenanthrene-d10	14.64		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	66
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

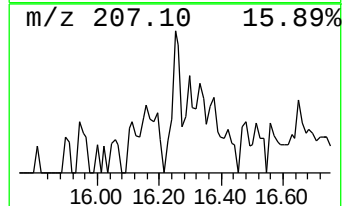
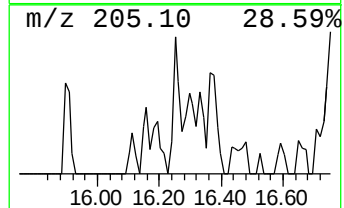
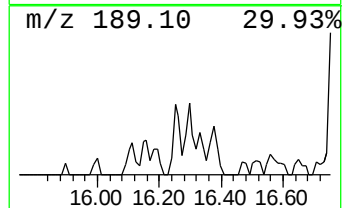
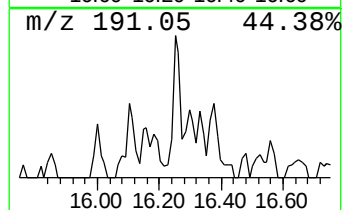
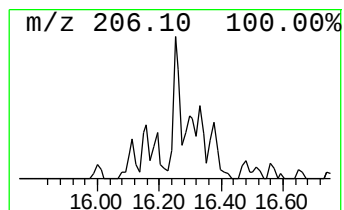
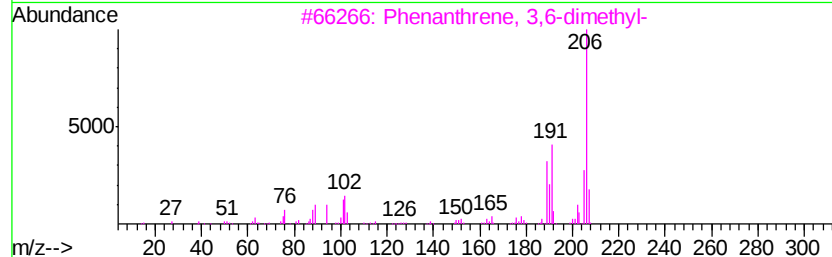
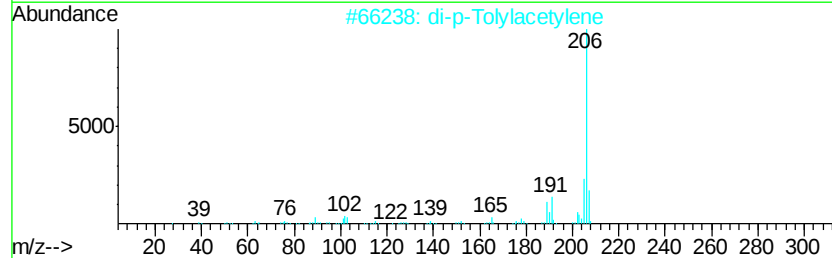
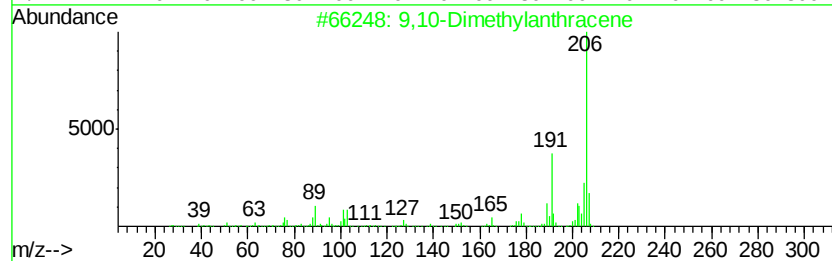
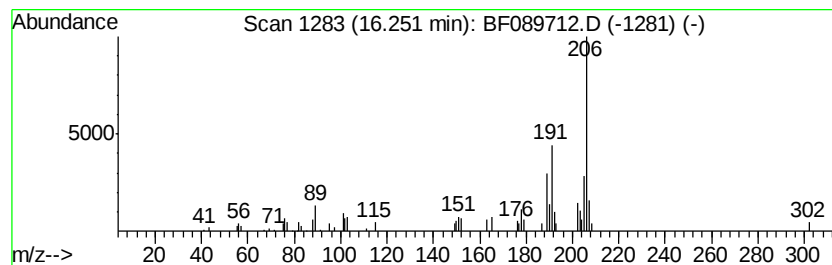
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Dimethylantracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	3.74 ng	48285	Phenanthrene-d10	14.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

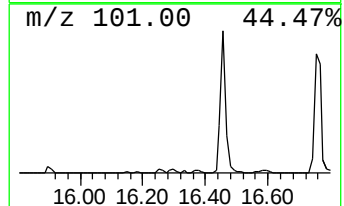
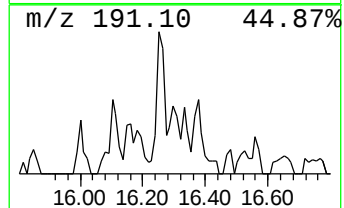
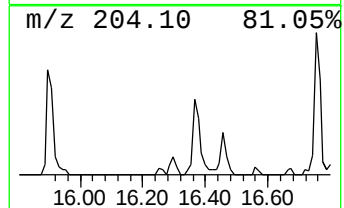
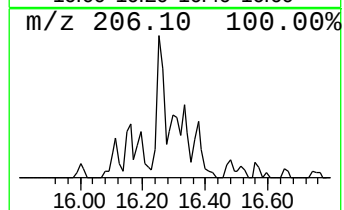
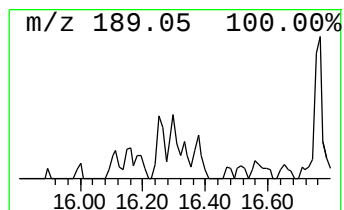
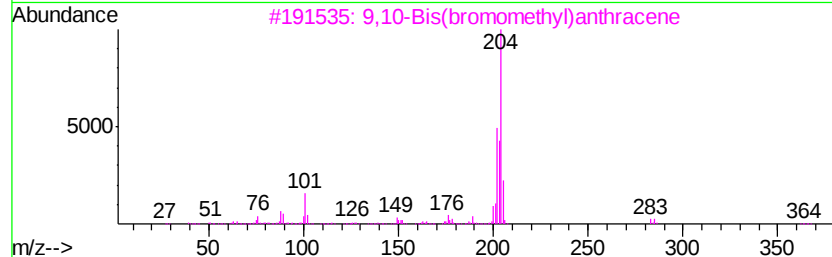
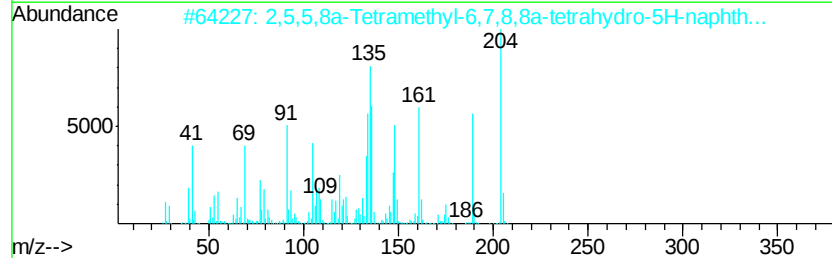
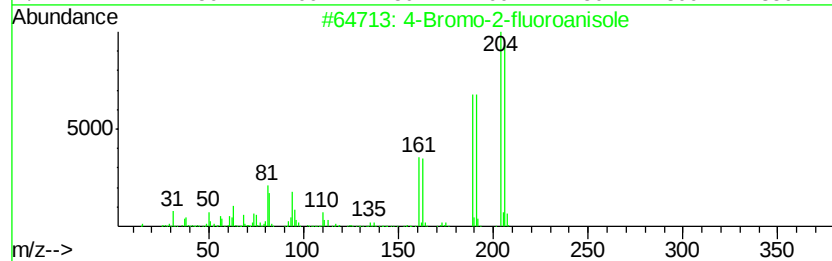
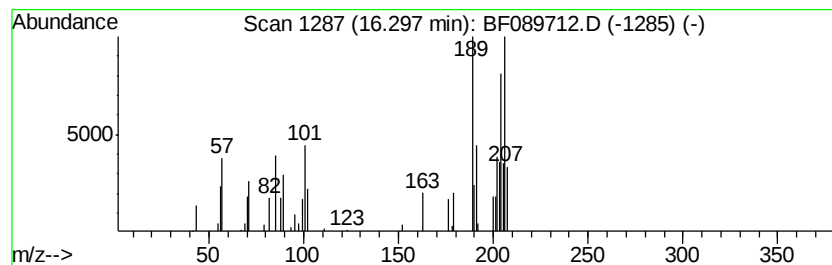
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown16.30 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.30	2.77 ng	35778	Phenanthrene-d10		14.64
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	35
2	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	27
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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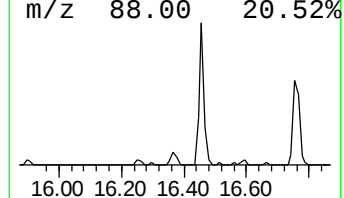
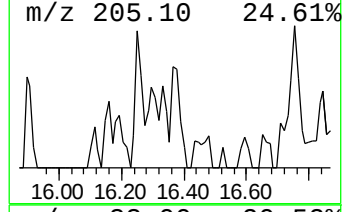
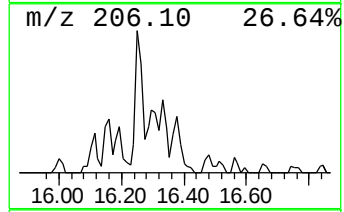
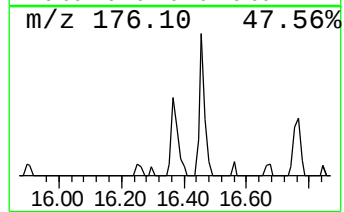
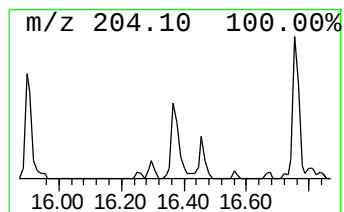
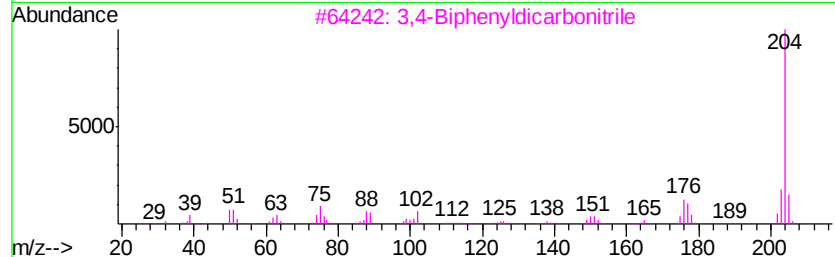
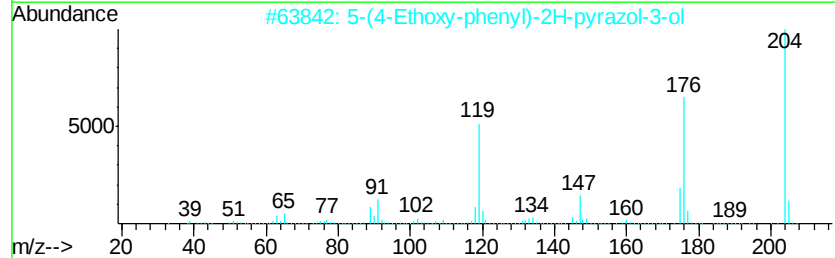
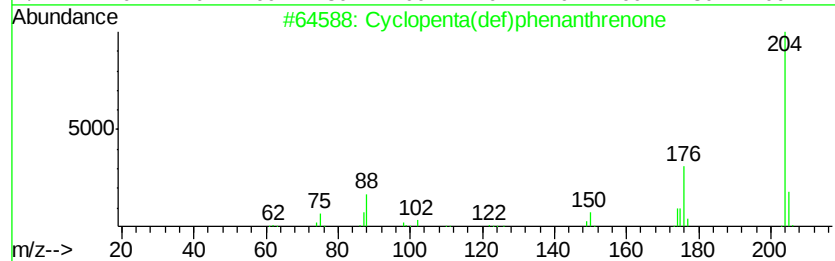
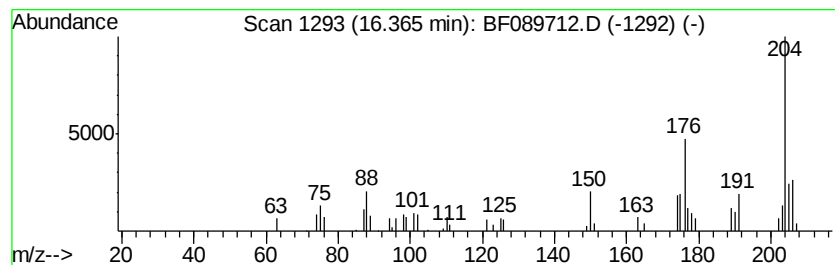
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.41 ng	44048	Phenanthrene-d10	14.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	58
2		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	43
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	41
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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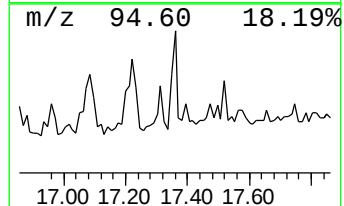
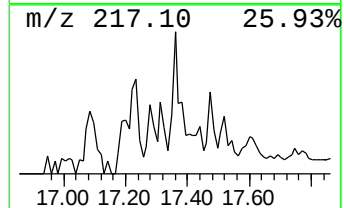
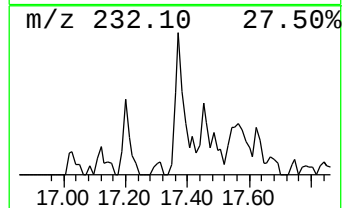
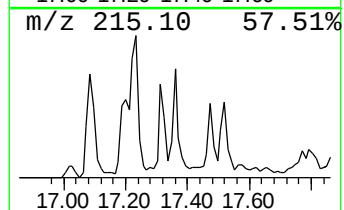
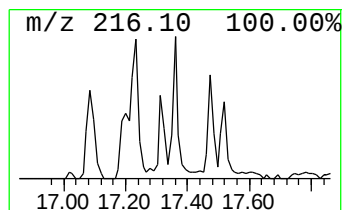
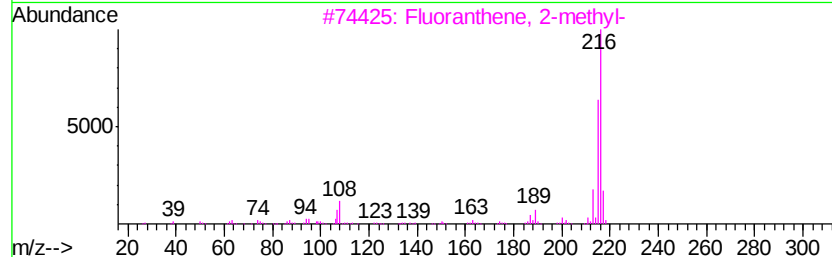
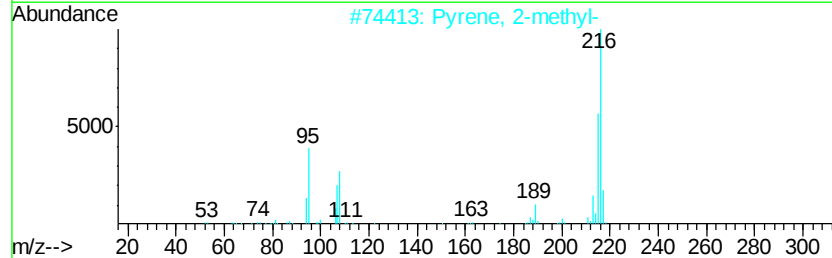
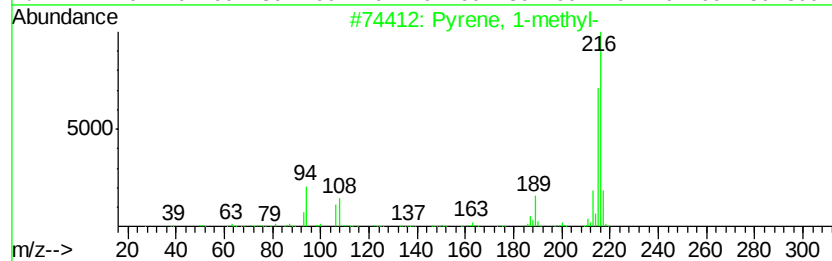
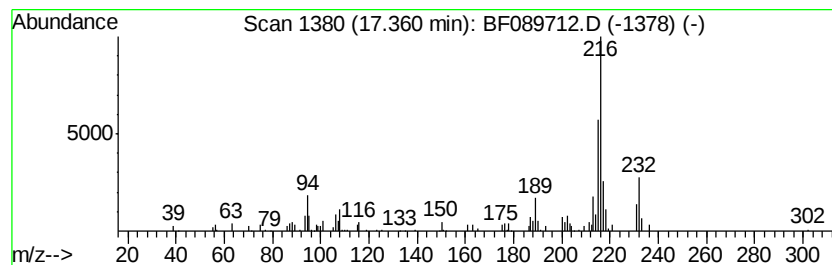
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	2.94 ng	102045	Chrysene-d12	18.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	58
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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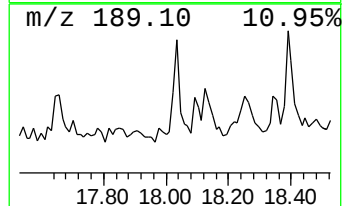
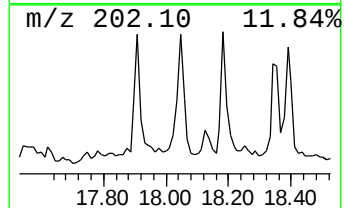
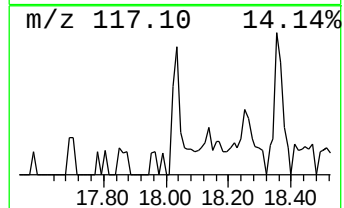
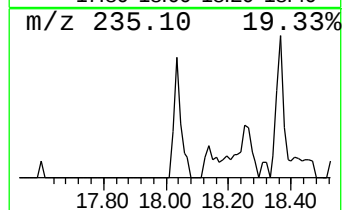
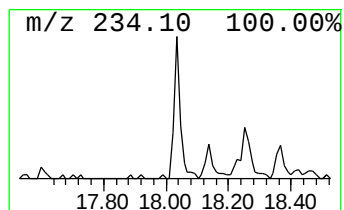
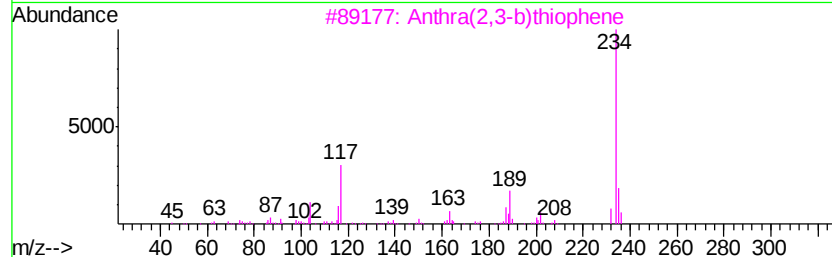
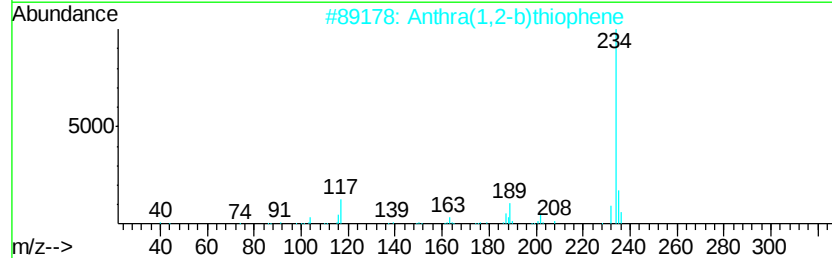
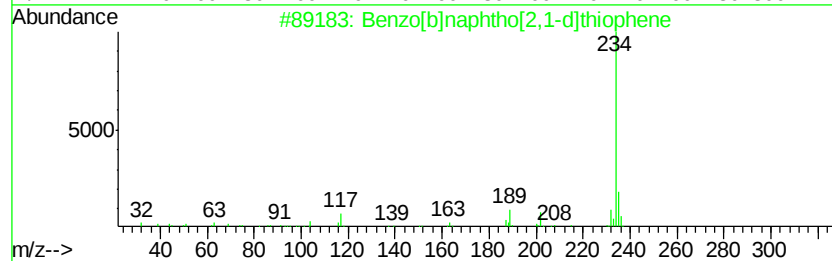
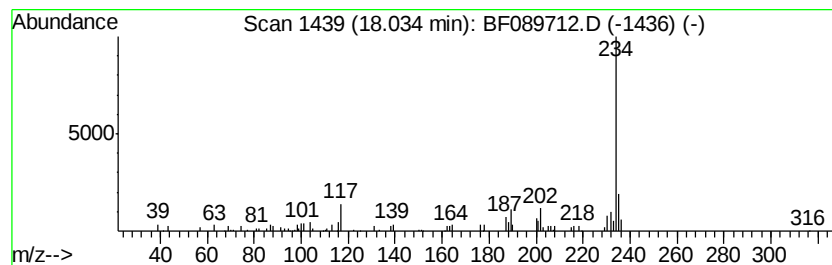
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	2.80 ng	97000	Chrysene-d12	18.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
4			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
DEL2-BASE(66)

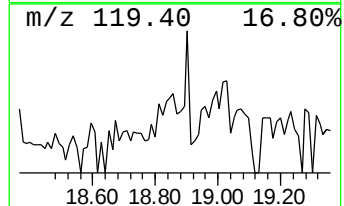
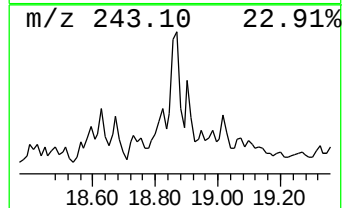
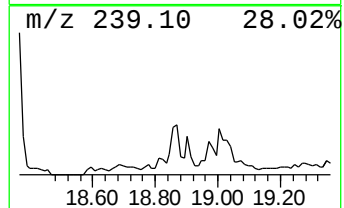
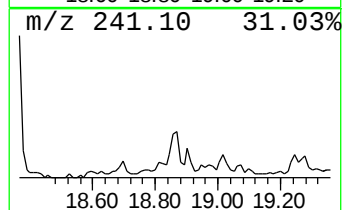
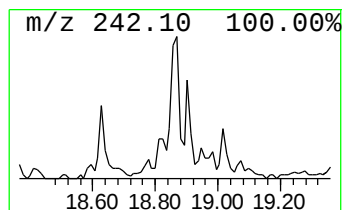
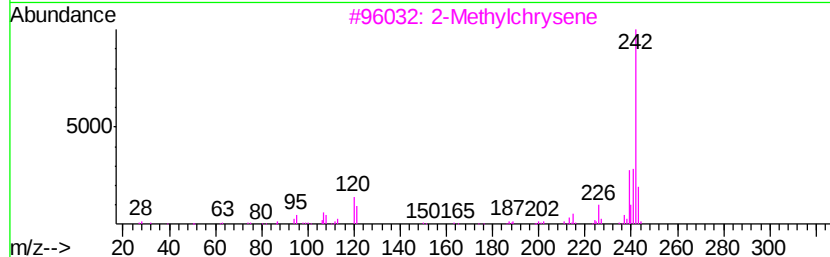
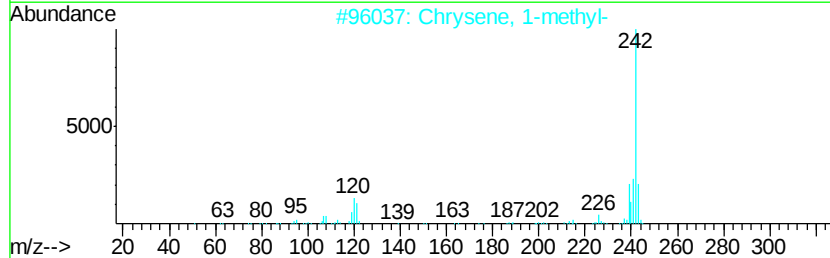
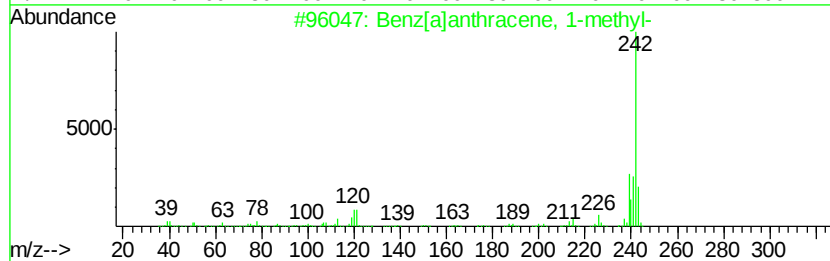
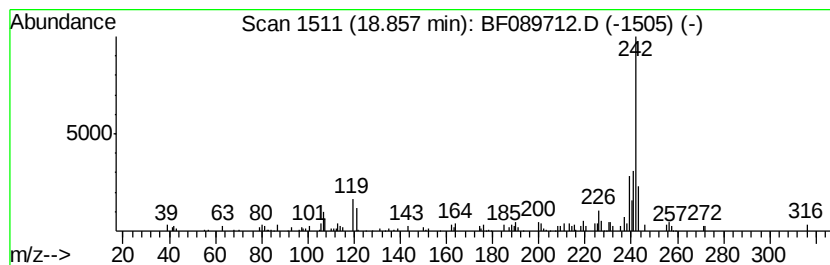
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benz[a]anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.67 ng	127285	Chrysene-d12	18.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
2			Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
3			2-Methylchrysene	242	C19H14	003351-32-4	76
4			Chrysene, 6-methyl-	242	C19H14	001705-85-7	70
5			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
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ClientSampleId :
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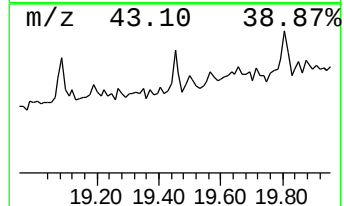
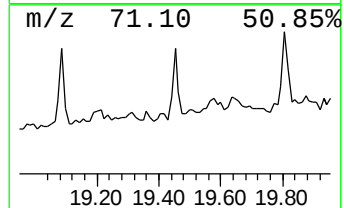
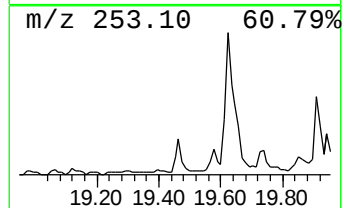
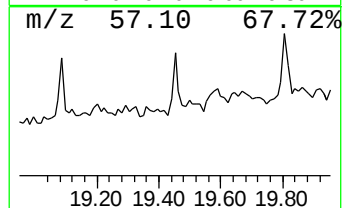
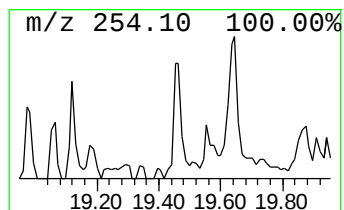
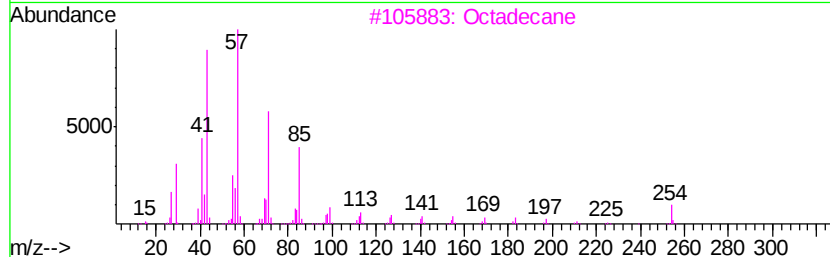
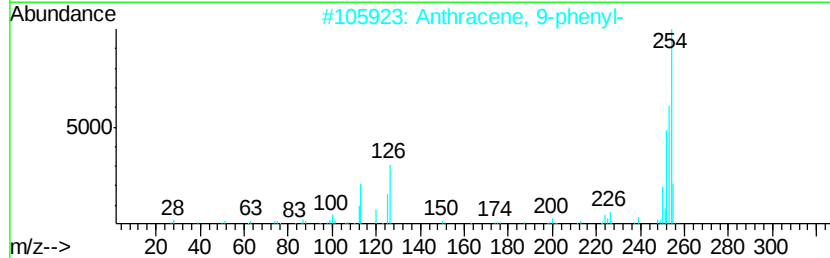
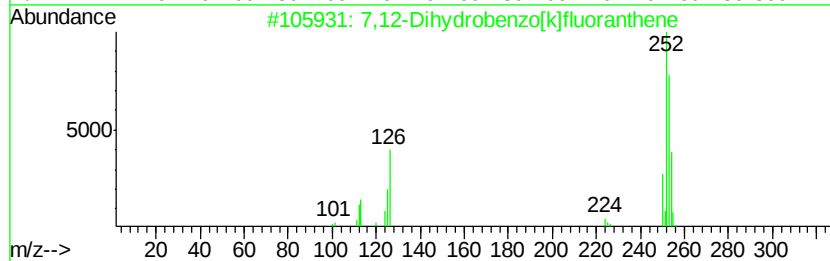
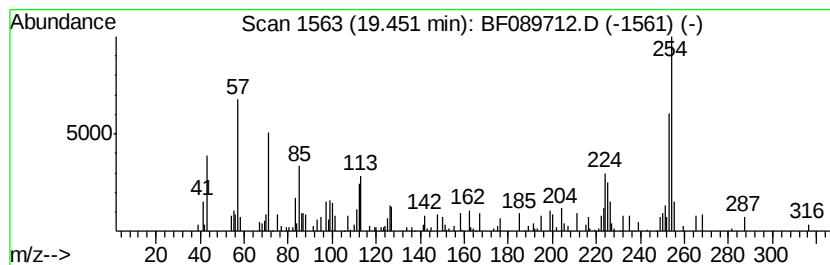
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown19.45 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	4.34 ng	76520	Perylene-d12	20.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	47
2			Anthracene, 9-phenyl-	254	C20H14	000602-55-1	47
3			Octadecane	254	C18H38	000593-45-3	46
4			1,1'-Binaphthalene	254	C20H14	000604-53-5	38
5			1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

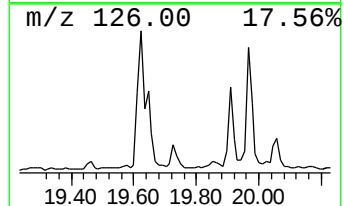
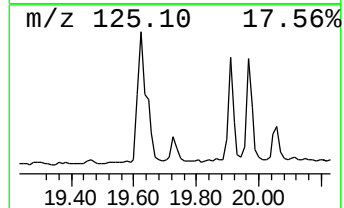
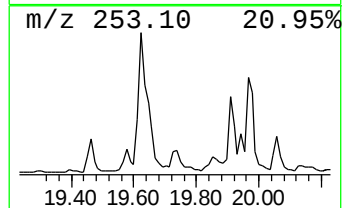
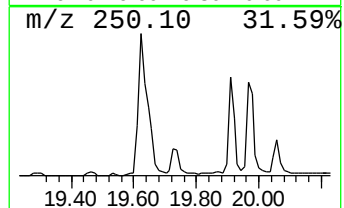
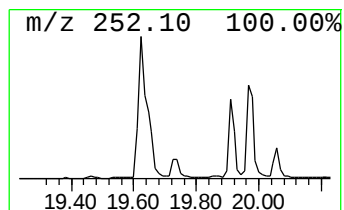
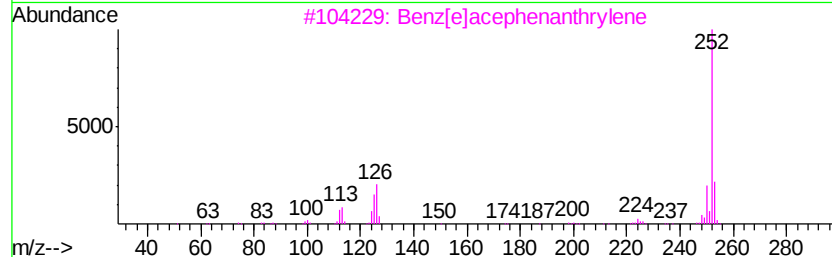
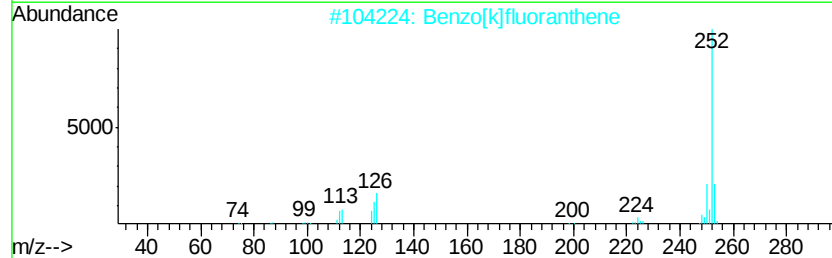
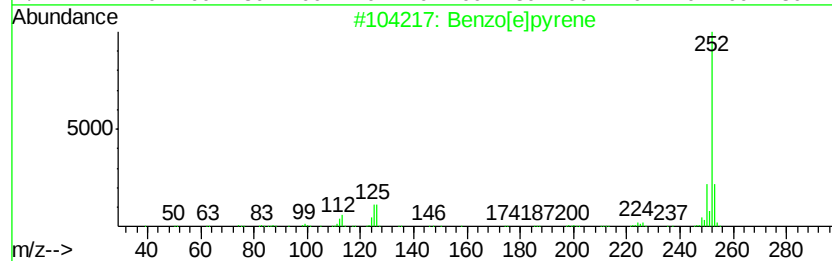
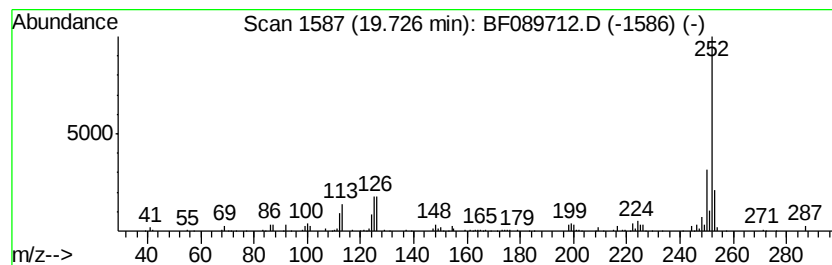
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	3.05 ng	53817	Perylene-d12	20.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

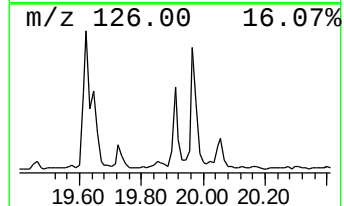
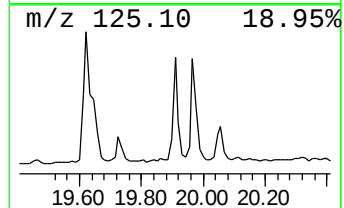
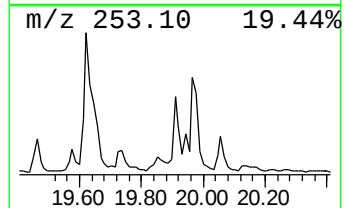
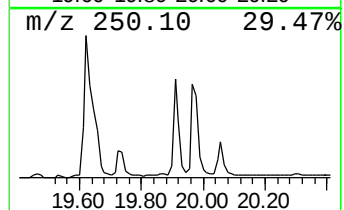
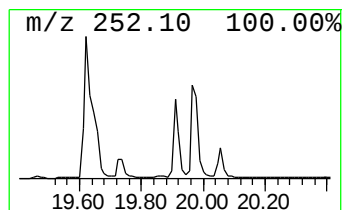
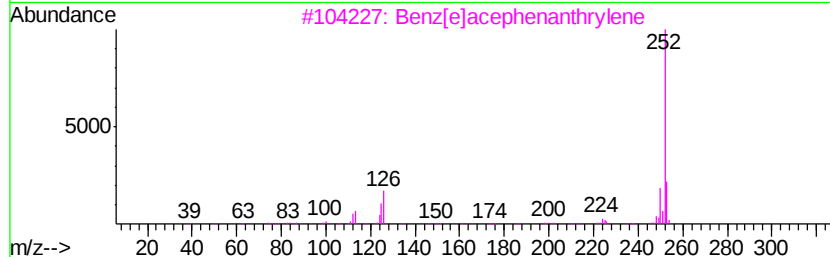
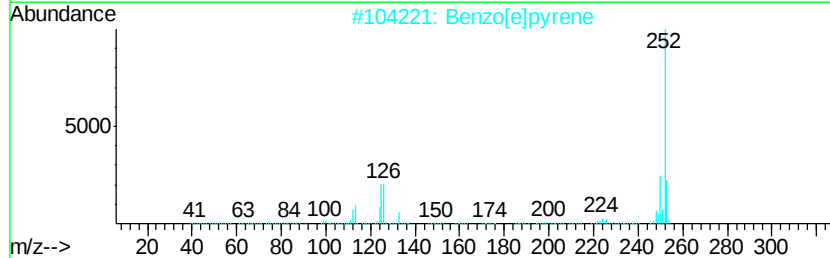
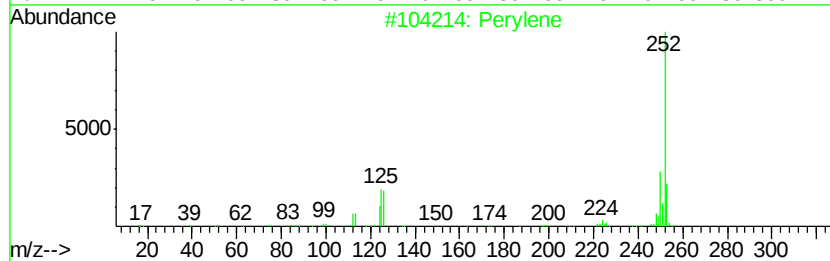
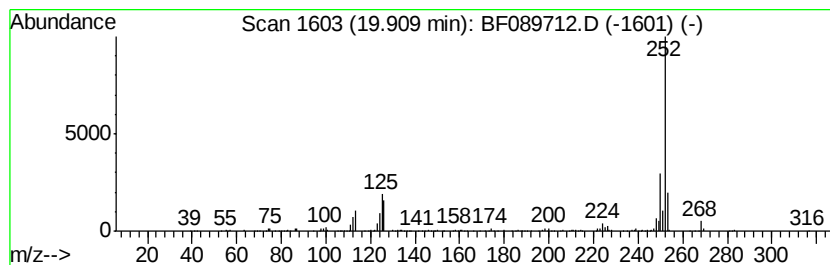
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	11.55 ng	203861	Perylene-d12	20.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	94
2			Benzo[e]pyrene	252	C20H12	000192-97-2	94
3			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089712.D
 Acq On : 10 Aug 2016 23:50
 Operator : UM/SJ
 Sample : H4400-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.60	44.8	ng	604601	1	7.40	270074	20.0
unknown7.06	7.06	86.4	ng	1166420	1	7.40	270074	20.0
Heneicosane	13.11	3.3	ng	63638	3	12.25	391338	20.0
Tridecane	13.89	7.9	ng	101404	4	14.64	258009	20.0
Hexadecane	15.29	2.5	ng	32795	4	14.64	258009	20.0
Anthracene, 1-met...	15.45	4.0	ng	50990	4	14.64	258009	20.0
Phenanthrene, 2-m...	15.49	6.0	ng	77664	4	14.64	258009	20.0
Phenanthrene, 1-m...	15.60	6.3	ng	81199	4	14.64	258009	20.0
1H-Cyclopropa[l]p...	15.63	4.2	ng	54199	4	14.64	258009	20.0
Naphthalene, 2-ph...	15.90	4.8	ng	61815	4	14.64	258009	20.0
9,10-Dimethylanthe...	16.25	3.7	ng	48285	4	14.64	258009	20.0
unknown16.30	16.30	2.8	ng	35778	4	14.64	258009	20.0
Cyclopenta(def)ph...	16.37	3.4	ng	44048	4	14.64	258009	20.0
Pyrene, 1-methyl-	17.36	2.9	ng	102045	5	18.37	693219	20.0
Benzo[b]naphtho[2...	18.03	2.8	ng	97000	5	18.37	693219	20.0
Benz[a]anthracene...	18.86	3.7	ng	127285	5	18.37	693219	20.0
unknown19.45	19.45	4.3	ng	76520	6	20.02	353011	20.0
Benzo[e]pyrene	19.73	3.0	ng	53817	6	20.02	353011	20.0
Perylene	19.91	11.6	ng	203861	6	20.02	353011	20.0