

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089022.D
 Acq On : 15 Jul 2016 17:56
 Operator : UM/SJ
 Sample : H3972-06 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2ft)

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-BF063016.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	1.655	5	6	15	rVB	49184	95620	4.07%	0.367%
2	1.769	15	16	60	rVB	911544	2087060	88.76%	8.014%
3	4.798	279	281	284	rBV	57711	65343	2.78%	0.251%
4	5.267	319	322	324	rBV	298926	397562	16.91%	1.526%
5	6.319	412	414	417	rBV	416751	381607	16.23%	1.465%
6	6.444	423	425	427	rBB	513459	445934	18.97%	1.712%
7	6.673	443	445	447	rBB	507564	423257	18.00%	1.625%
8	6.833	457	459	461	rBB	344741	332469	14.14%	1.277%
9	7.233	492	494	497	rBB	204135	236838	10.07%	0.909%
10	7.964	555	558	560	rBV	598140	551302	23.45%	2.117%
11	9.039	649	652	654	rBV	583094	466425	19.84%	1.791%
12	9.439	685	687	689	rBB	57912	63579	2.70%	0.244%
13	9.713	708	711	712	rBV	469056	491640	20.91%	1.888%
14	9.736	712	713	715	rVB	174077	186405	7.93%	0.716%
15	9.907	727	728	730	rBB	60175	62221	2.65%	0.239%
16	10.250	756	758	760	rBV	166302	130448	5.55%	0.501%
17	10.319	761	764	767	rBV2	42694	75814	3.22%	0.291%
18	10.387	767	770	771	rVV2	21383	36070	1.53%	0.138%
19	10.410	771	772	774	rVB	55704	41881	1.78%	0.161%
20	10.490	777	779	781	rVB	271737	238578	10.15%	0.916%
21	10.799	798	806	807	rBV2	47807	76533	3.25%	0.294%
22	10.925	815	817	818	rVV2	24878	38449	1.64%	0.148%
23	10.948	818	819	821	rVV	39519	40646	1.73%	0.156%
24	10.993	821	823	825	rVB	42648	46233	1.97%	0.178%
25	11.039	825	827	829	rBV	66063	99094	4.21%	0.380%
26	11.073	829	830	834	rVB	54761	81795	3.48%	0.314%
27	11.188	837	840	841	rBV	430495	514563	21.88%	1.976%
28	11.210	841	842	844	rVV	1441530	1141090	48.53%	4.381%
29	11.256	844	846	848	rVV	449998	540469	22.99%	2.075%
30	11.290	848	849	851	rVB	38223	35935	1.53%	0.138%
31	11.416	856	860	861	rBV2	118867	123135	5.24%	0.473%
32	11.485	864	866	867	rVV	31774	34893	1.48%	0.134%
33	11.679	881	883	885	rBV	132301	197729	8.41%	0.759%
34	11.713	885	886	888	rVB	337311	246812	10.50%	0.948%

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35	11.759	888	890	891 rBV	187145	156248	6.65%	0.600%
36	11.793	891	893	897 rVB2	378657	499145	21.23%	1.917%
37	11.885	897	901	903 rBV2	26492	50910	2.17%	0.195%
38	11.976	908	909	913 rVB2	143110	218531	9.29%	0.839%
39	12.125	920	922	924 rBV	48431	57275	2.44%	0.220%
40	12.228	929	931	933 rBV	82057	118993	5.06%	0.457%
41	12.273	933	935	937 rVV2	44561	67951	2.89%	0.261%
42	12.319	937	939	943 rVB2	108596	132314	5.63%	0.508%
43	12.399	943	946	948 rBV	2101224	2135641	90.83%	8.200%
44	12.445	948	950	955 rVB3	44229	80129	3.41%	0.308%
45	12.536	955	958	959 rBV2	113067	138078	5.87%	0.530%
46	12.628	962	966	968 rBV	1680845	2351343	100.00%	9.028%
47	12.662	968	969	973 rVB2	91130	110737	4.71%	0.425%
48	12.742	973	976	977 rBV	108153	185074	7.87%	0.711%
49	12.765	977	978	981 rVB2	429386	384609	16.36%	1.477%
50	12.833	981	984	988 rBV3	149256	305813	13.01%	1.174%
51	12.948	988	994	995 rBV	311421	552978	23.52%	2.123%
52	12.982	995	997	998 rBV2	28250	36390	1.55%	0.140%
53	13.016	998	1000	1001 rBV	154528	209547	8.91%	0.805%
54	13.051	1001	1003	1007 rBV2	199384	292082	12.42%	1.121%
55	13.142	1009	1011	1012 rBV	110160	114015	4.85%	0.438%
56	13.165	1012	1013	1018 rVB2	133712	165057	7.02%	0.634%
57	13.245	1018	1020	1023 rVB3	53617	54600	2.32%	0.210%
58	13.371	1025	1031	1032 rBV2	70583	205502	8.74%	0.789%
59	13.451	1034	1038	1040 rBV2	125282	201958	8.59%	0.775%
60	13.508	1040	1043	1045 rVB2	43456	55945	2.38%	0.215%
61	13.554	1045	1047	1048 rBV	162021	183041	7.78%	0.703%
62	13.588	1048	1050	1051 rVV	125388	140079	5.96%	0.538%
63	13.622	1051	1053	1055 rVV2	82902	142012	6.04%	0.545%
64	13.656	1055	1056	1060 rVB	157785	144250	6.13%	0.554%
65	13.725	1060	1062	1065 rVB	38202	47862	2.04%	0.184%
66	13.805	1065	1069	1071 rBV2	983443	1611899	68.55%	6.189%
67	13.839	1071	1072	1074 rVV	807916	603515	25.67%	2.317%
68	13.908	1075	1078	1080 rBV2	97623	125131	5.32%	0.480%
69	13.999	1080	1086	1087 rBV2	96253	155910	6.63%	0.599%
70	14.034	1087	1089	1091 rVB2	70201	72027	3.06%	0.277%
71	14.068	1091	1092	1095 rVB2	35898	41720	1.77%	0.160%

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72	14.125	1095	1097	1099	rBV2	39471	64450	2.74%	0.247%
73	14.159	1099	1100	1101	rBV	37378	34863	1.48%	0.134%
74	14.194	1101	1103	1104	rBV	167399	153264	6.52%	0.588%
75	14.228	1104	1106	1108	rVB2	82069	79333	3.37%	0.305%
76	14.285	1108	1111	1112	rBV2	62941	100573	4.28%	0.386%
77	14.308	1112	1113	1117	rVB4	57005	135633	5.77%	0.521%
78	14.388	1119	1120	1122	rVB2	51264	47871	2.04%	0.184%
79	14.491	1126	1129	1130	rBV	76343	87412	3.72%	0.336%
80	14.571	1134	1136	1137	rBV	29921	41564	1.77%	0.160%
81	14.662	1140	1144	1147	rBV2	49181	94261	4.01%	0.362%
82	14.719	1147	1149	1150	rBV	41601	40849	1.74%	0.157%
83	14.754	1150	1152	1154	rVB	26444	34474	1.47%	0.132%
84	14.799	1154	1156	1161	rBV	424743	926010	39.38%	3.556%
85	14.891	1163	1164	1169	rVB	90802	136968	5.83%	0.526%
86	15.028	1169	1176	1177	rBV5	32623	107243	4.56%	0.412%
87	15.062	1177	1179	1182	rVB	230442	305283	12.98%	1.172%
88	15.119	1182	1184	1187	rBV	347220	397347	16.90%	1.526%
89	15.177	1187	1189	1190	rBV	215052	261397	11.12%	1.004%
90	15.325	1199	1202	1204	rBV3	16209	45028	1.91%	0.173%
91	15.394	1206	1208	1211	rVB2	35739	53440	2.27%	0.205%
92	15.599	1224	1226	1228	rBV	36557	54214	2.31%	0.208%
93	16.159	1272	1275	1282	rVB8	23381	65059	2.77%	0.250%
94	16.285	1282	1286	1293	rBV5	26096	99889	4.25%	0.384%
95	16.445	1297	1300	1304	rVB2	101639	181234	7.71%	0.696%
96	16.594	1310	1313	1315	rBV	27201	51309	2.18%	0.197%
97	16.822	1329	1333	1338	rBV	75225	142471	6.06%	0.547%
98	16.960	1341	1345	1348	rVV4	12469	35968	1.53%	0.138%
99	17.028	1348	1351	1357	rVB2	18194	44668	1.90%	0.172%
100	17.828	1417	1421	1429	rVB5	16587	46283	1.97%	0.178%

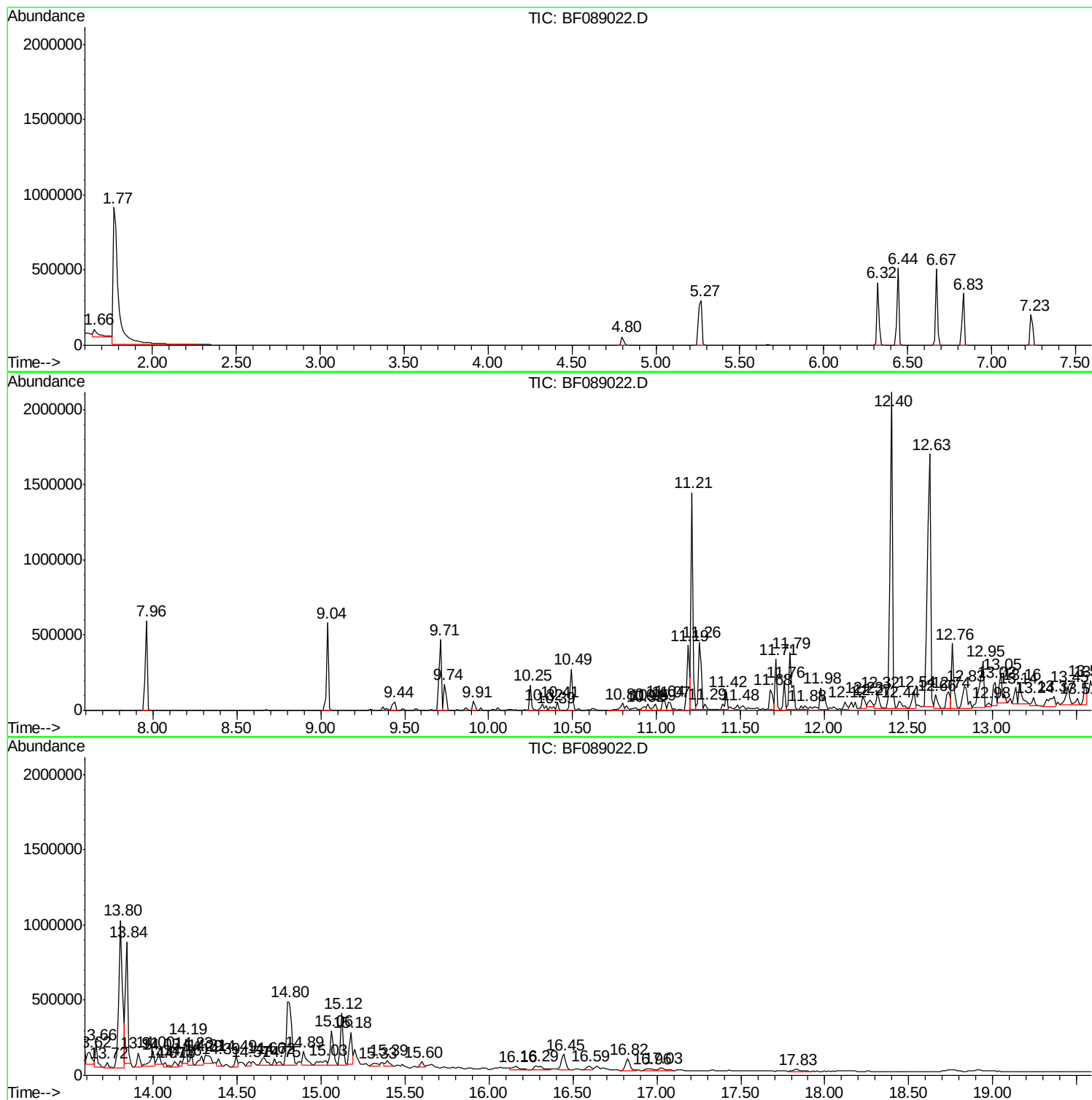
Sum of corrected areas: 26044098

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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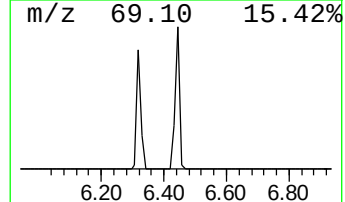
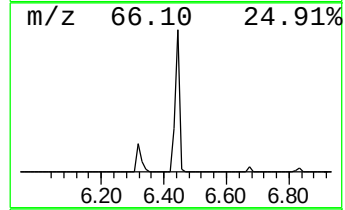
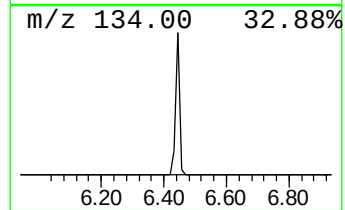
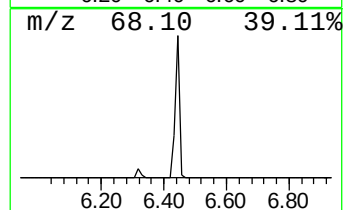
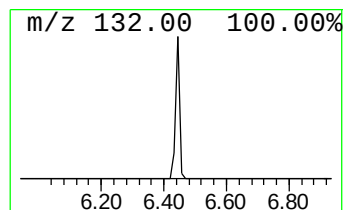
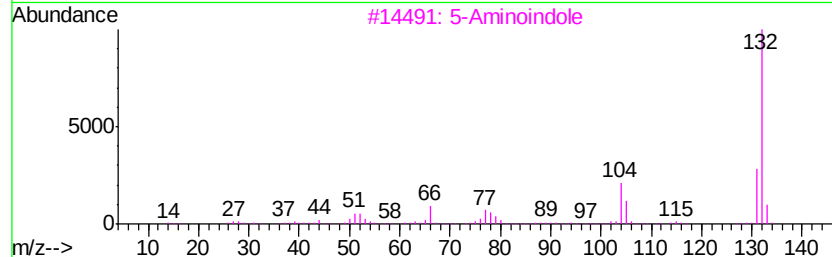
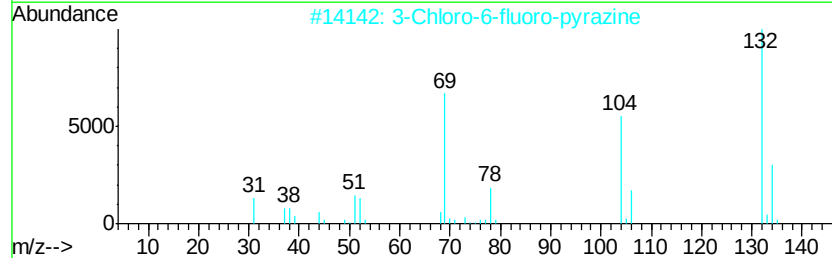
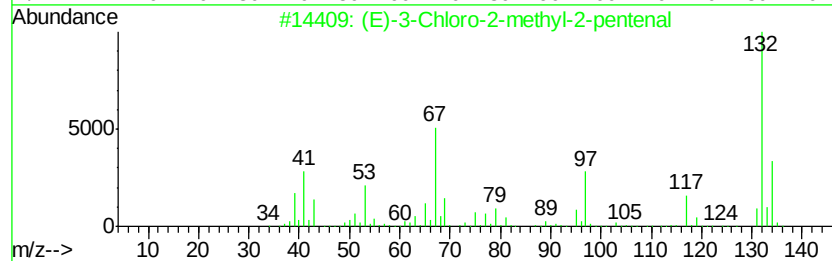
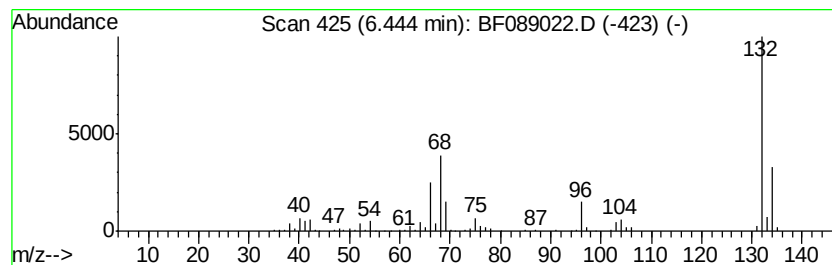
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.44 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	21.07 ng	445934	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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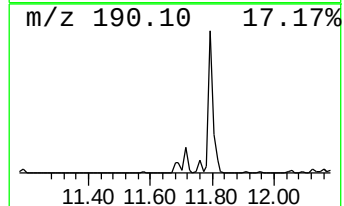
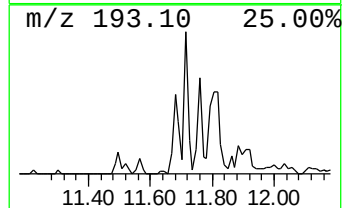
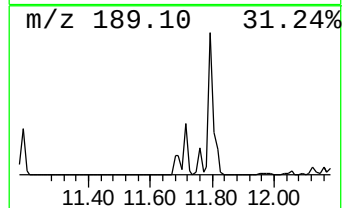
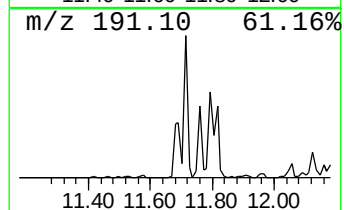
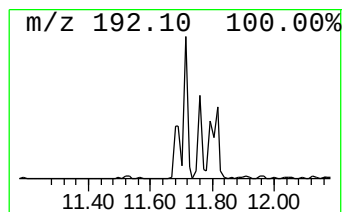
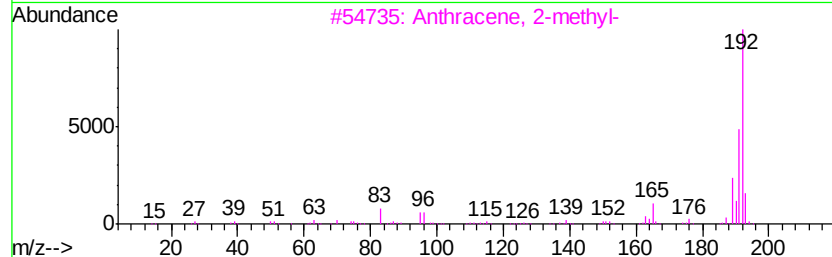
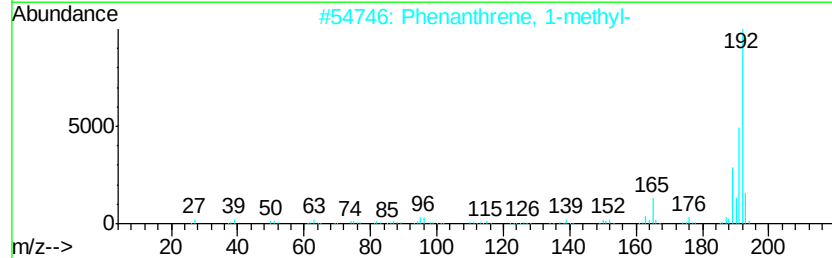
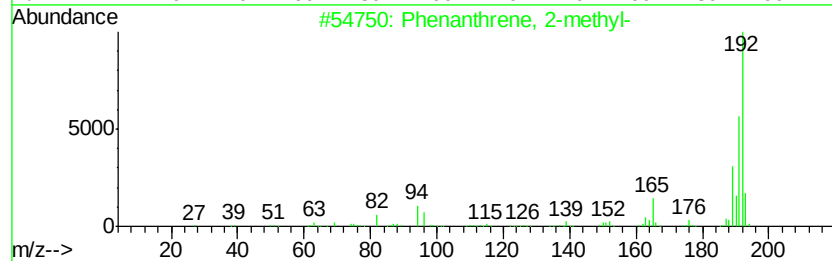
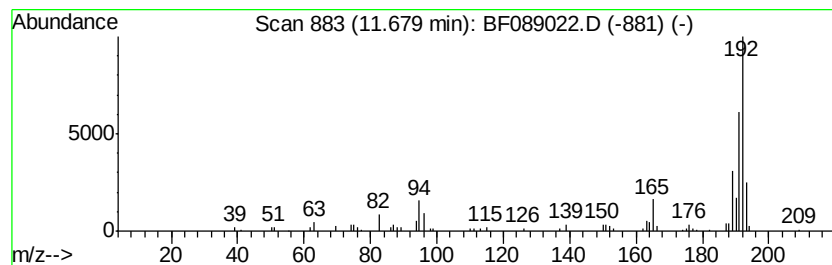
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	7.69 ng	197729	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89



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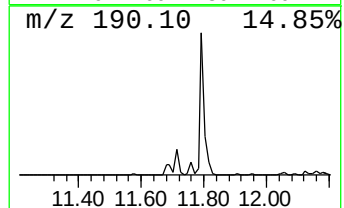
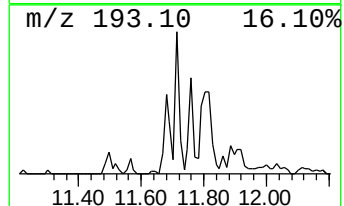
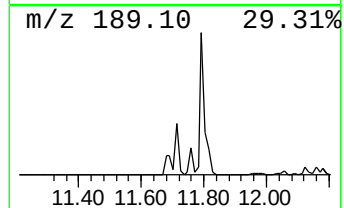
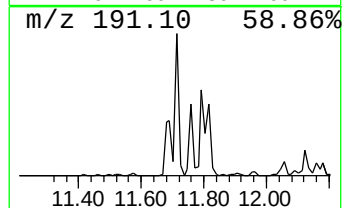
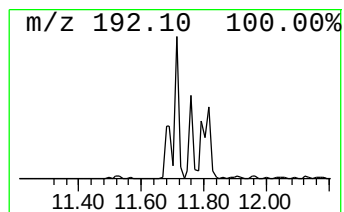
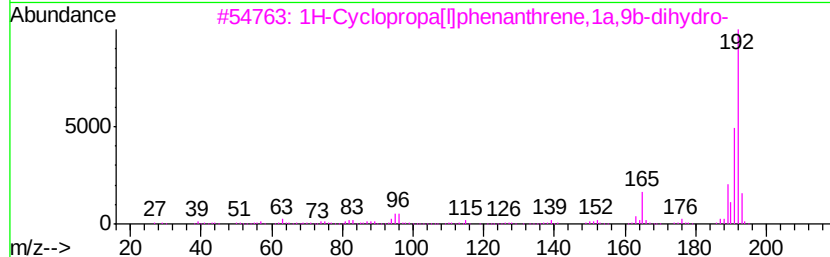
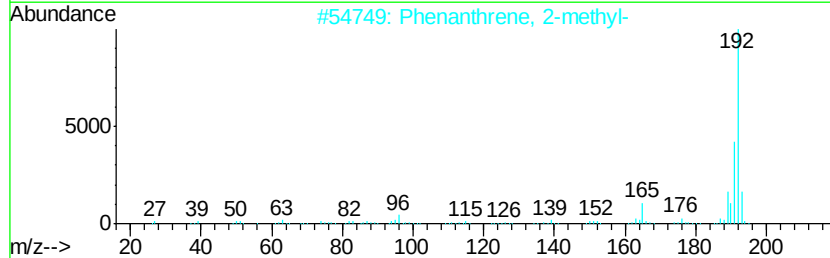
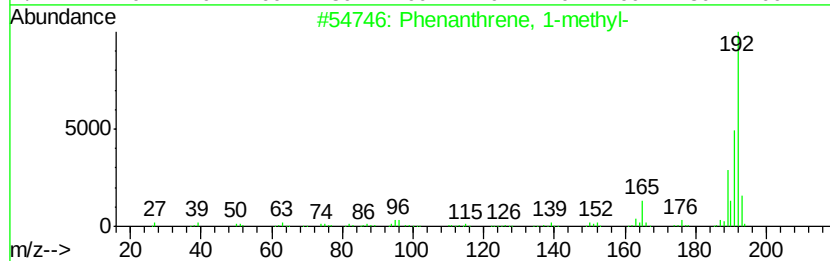
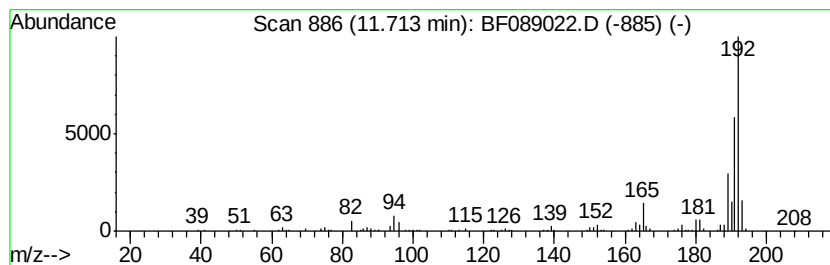
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Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.71	9.59 ng	246812	Phenanthrene-d10	11.19	
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	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
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Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

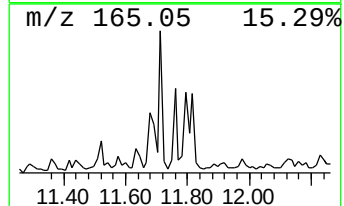
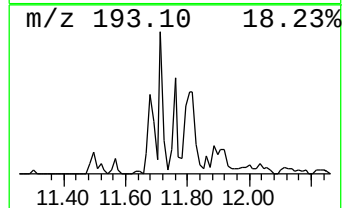
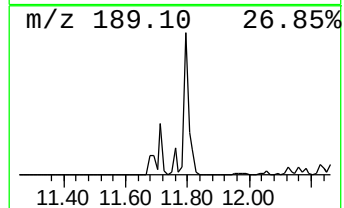
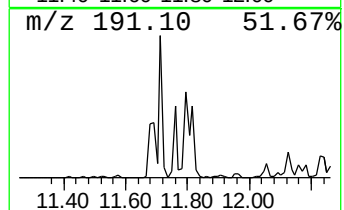
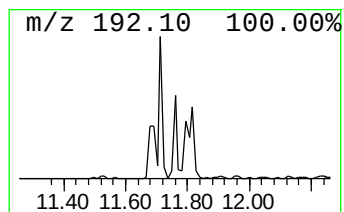
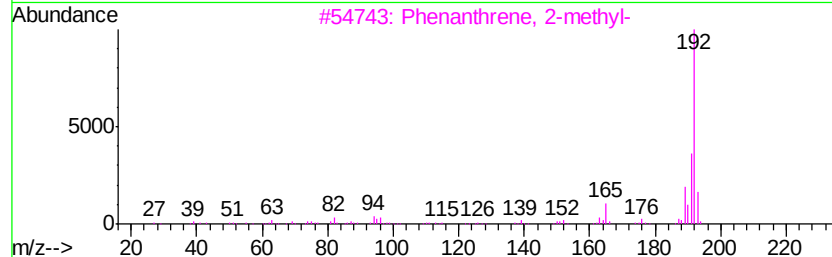
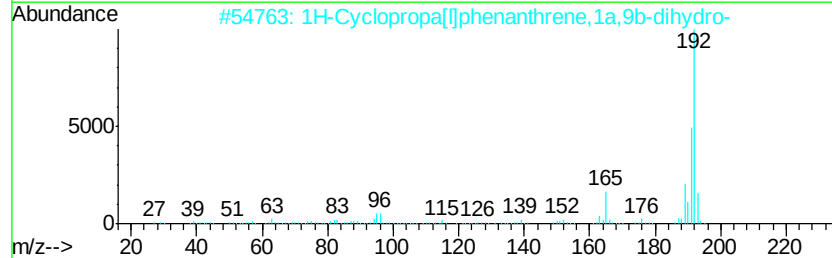
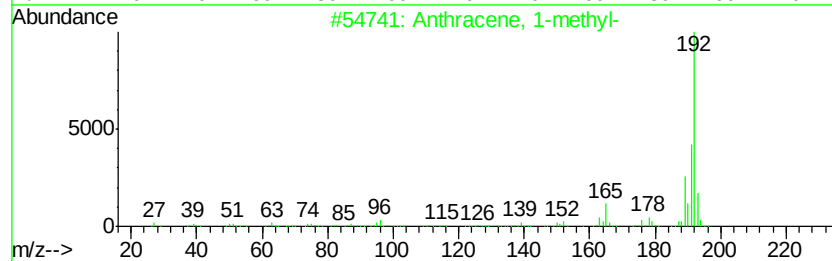
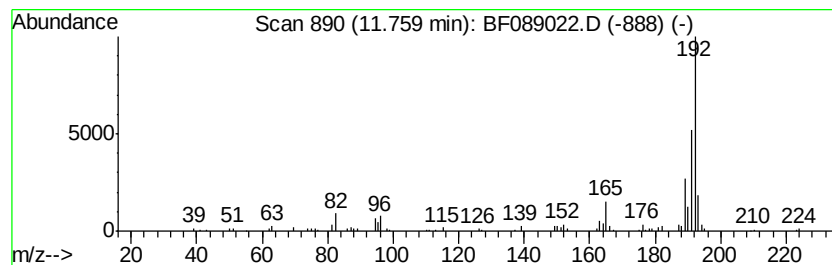
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.07 ng	156248	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
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Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

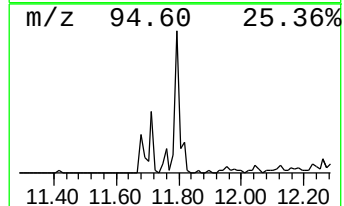
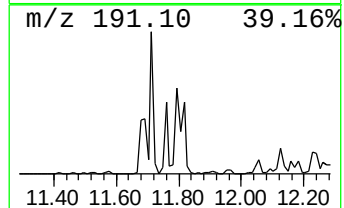
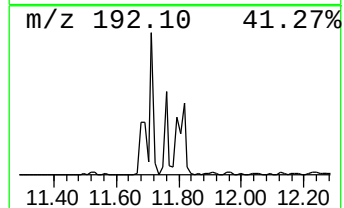
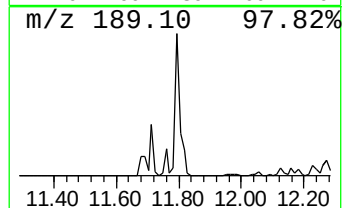
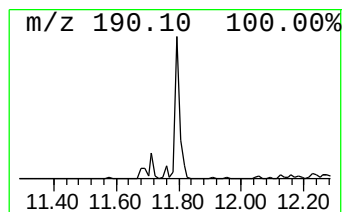
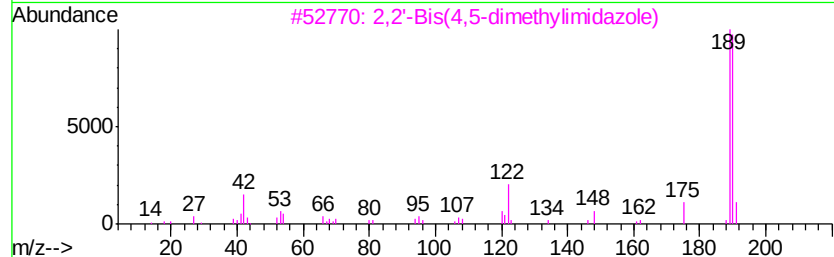
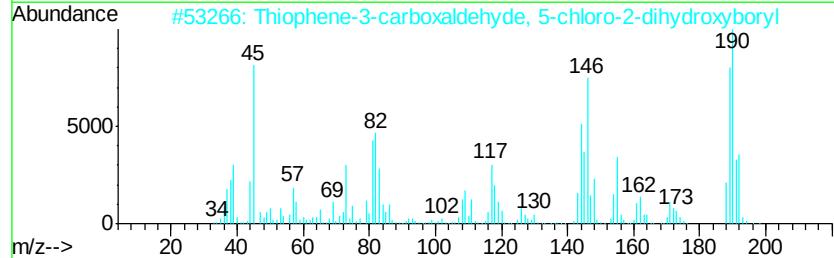
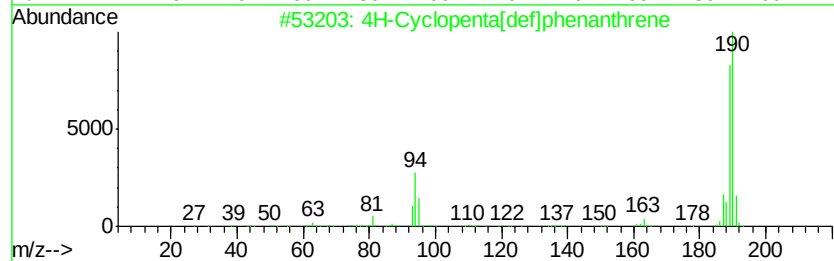
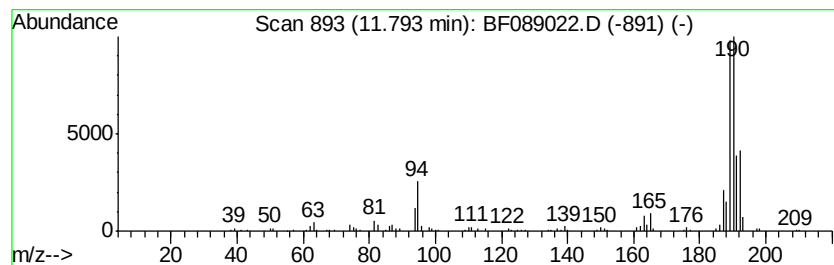
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	19.40 ng	499145	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
4		1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17
5		2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
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Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

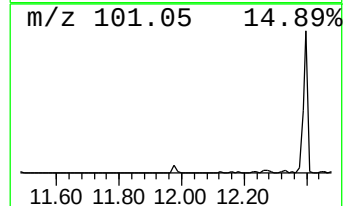
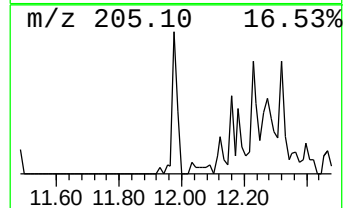
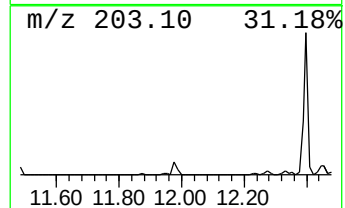
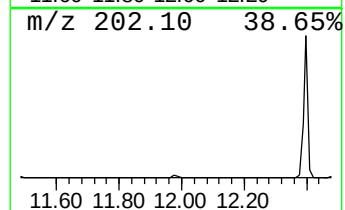
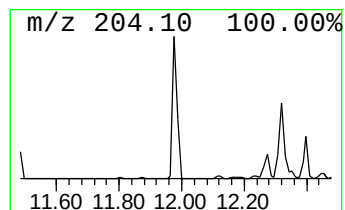
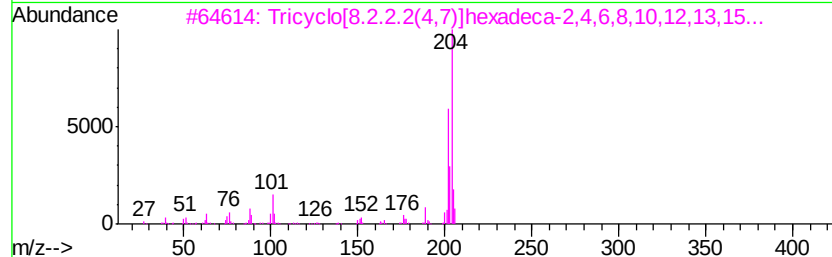
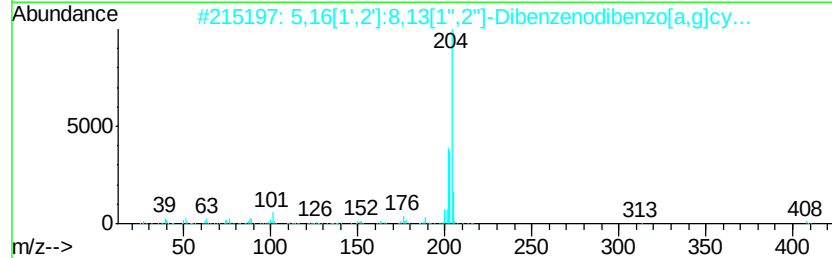
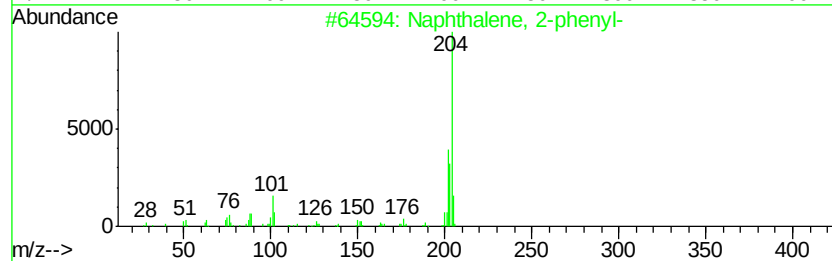
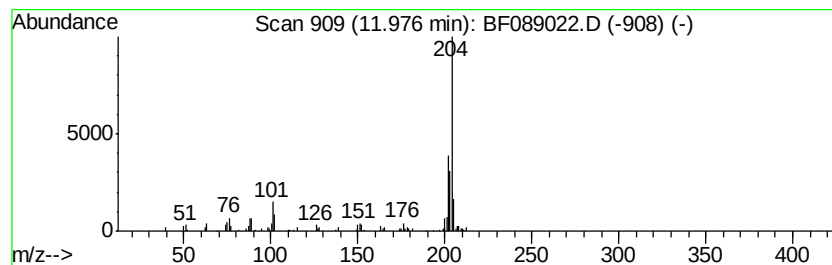
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	8.49 ng	218531	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	97
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
Data File : BF089022.D
Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSS-SB-SB09(0-2ft)

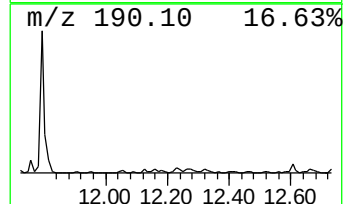
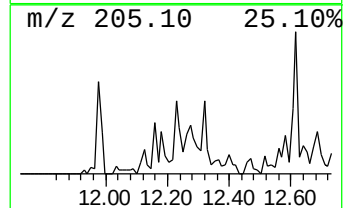
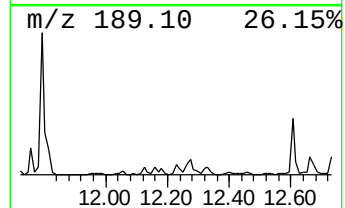
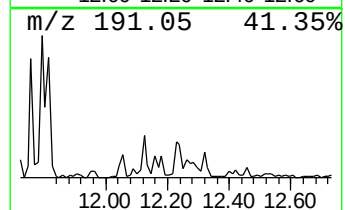
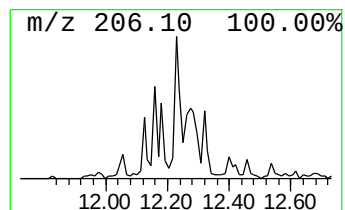
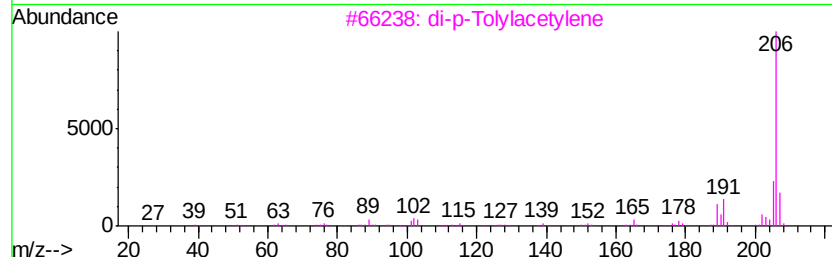
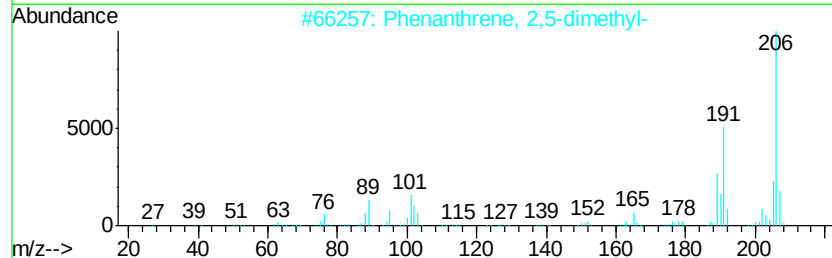
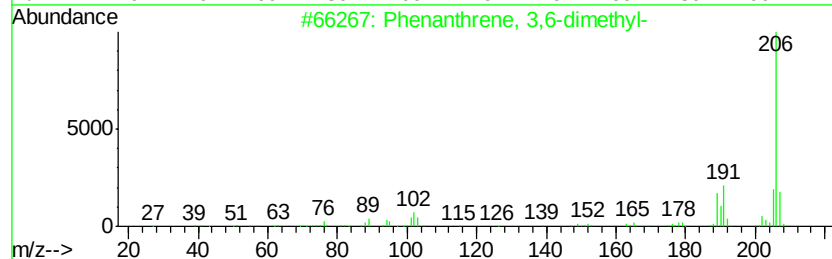
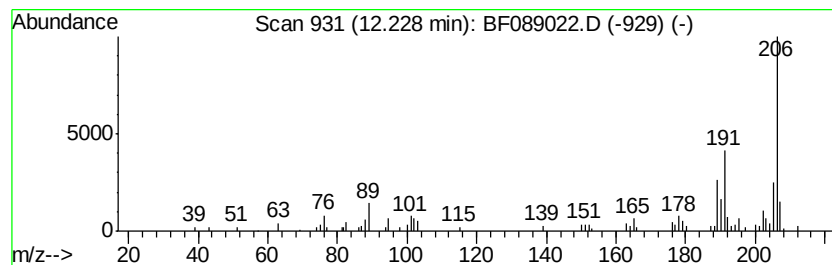
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.63 ng	118993	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSS-SB-SB09(0-2ft)

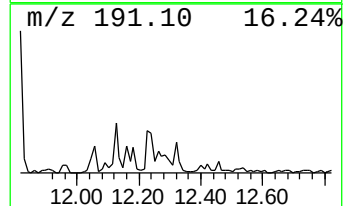
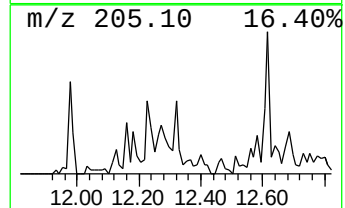
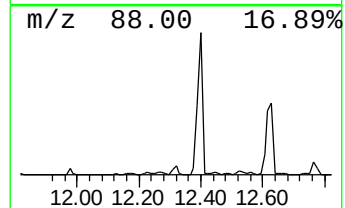
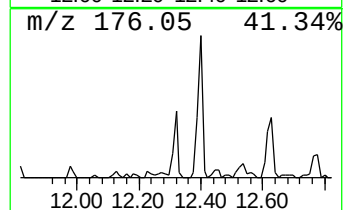
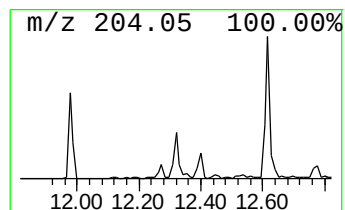
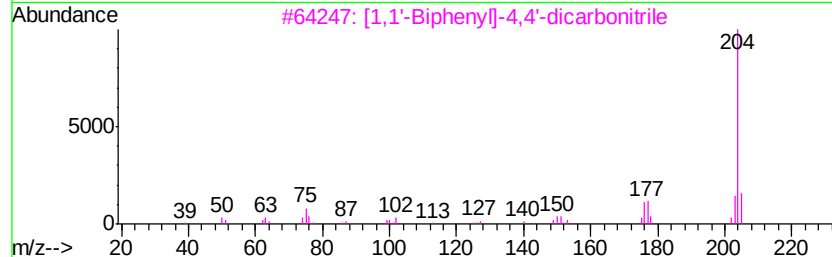
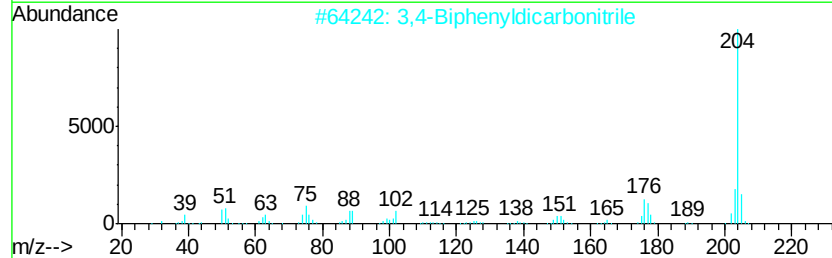
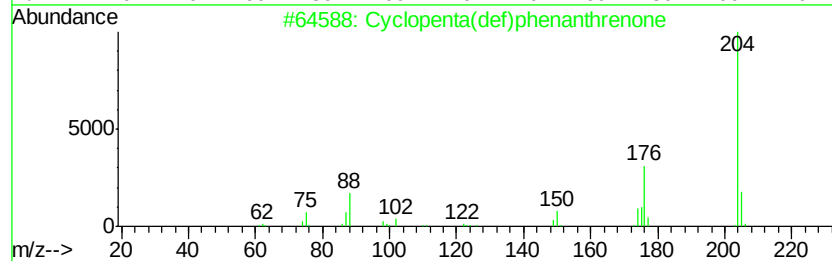
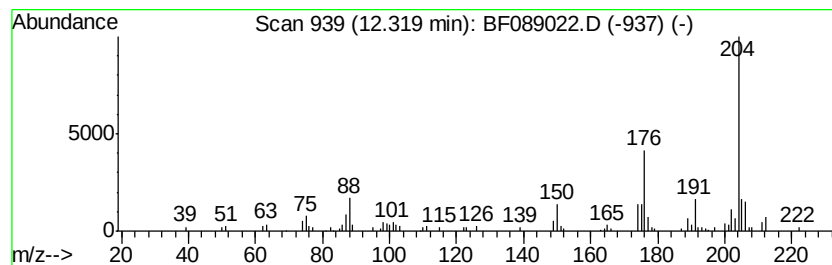
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	5.14 ng	132314	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
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Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSS-SB-SB09(0-2ft)

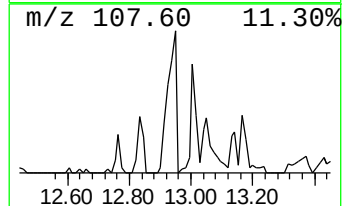
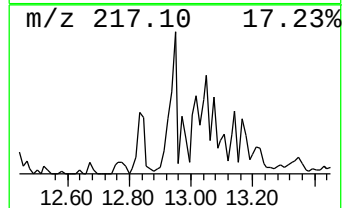
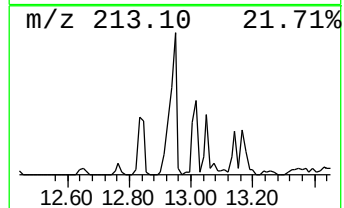
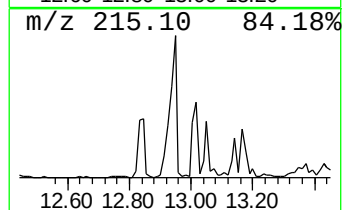
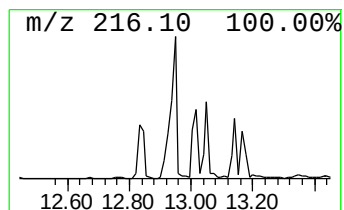
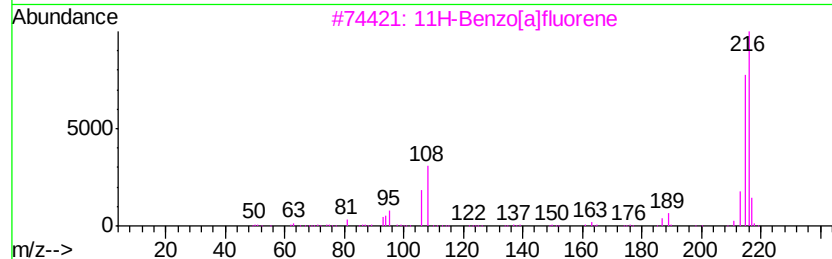
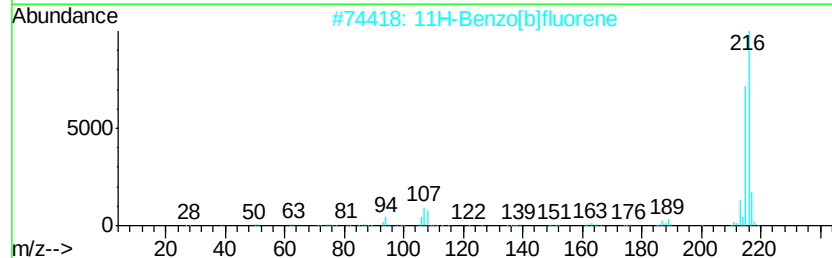
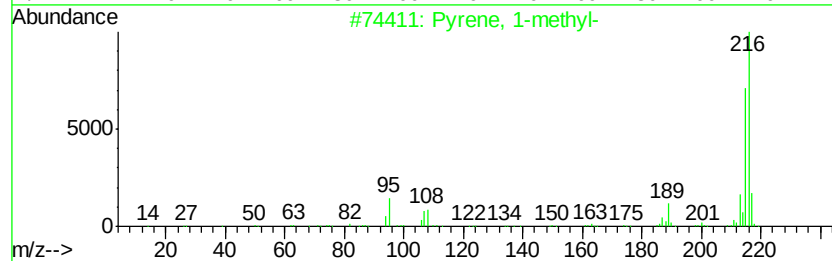
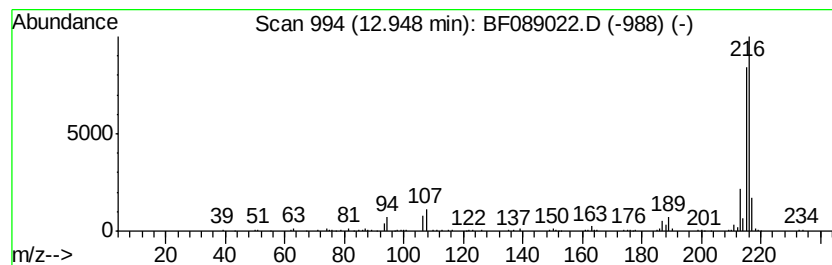
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	6.86 ng	552978	Chrysene-d12	13.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5			1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSS-SB-SB09(0-2ft)

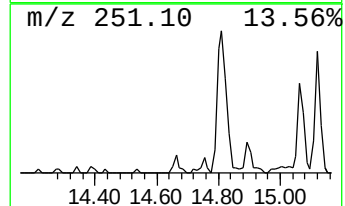
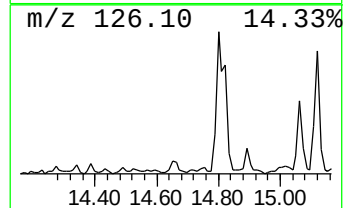
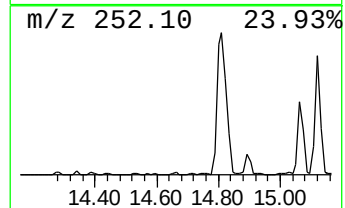
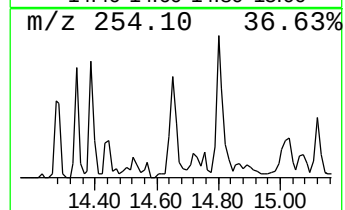
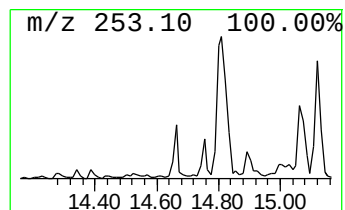
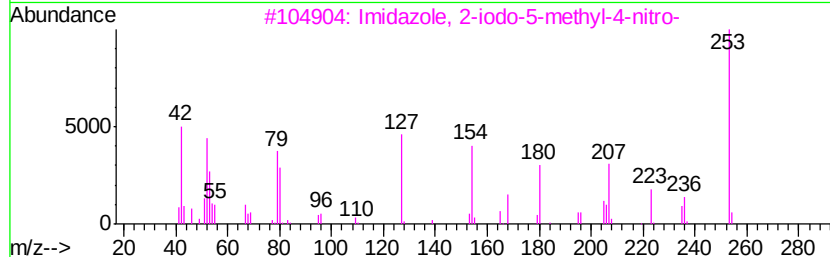
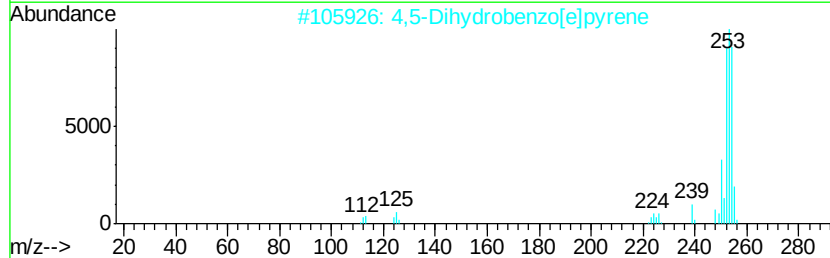
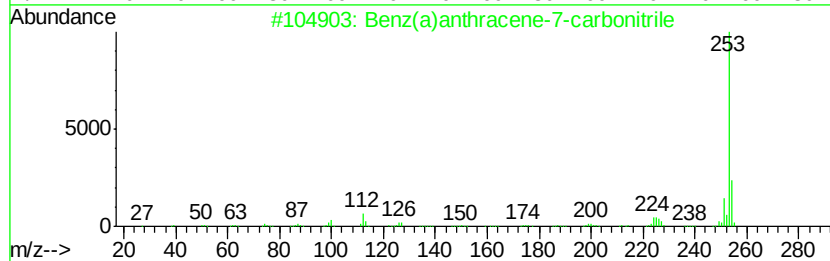
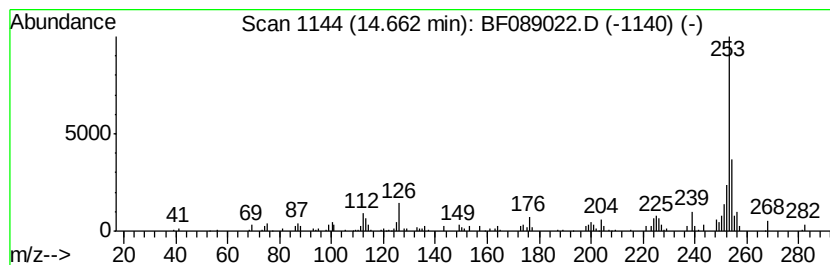
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benz(a)anthracene-7-carboni... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	7.21 ng	94261	Perylene-d12	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
2		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	47
3		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
4		Phenol, 2-(4-diethylaminophenyl)-	268	C17H20N2O	004938-45-8	40
5		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089022.D
Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

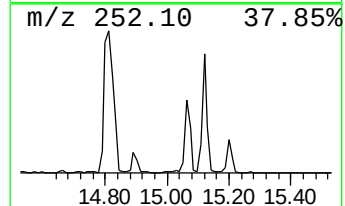
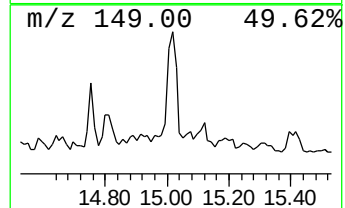
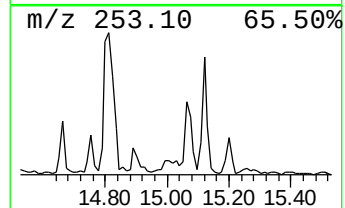
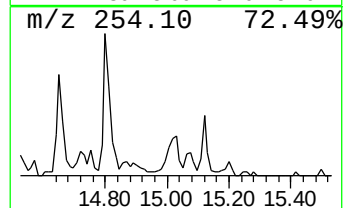
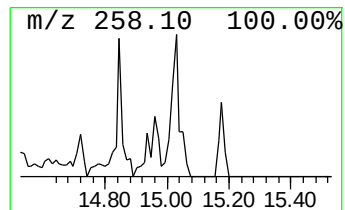
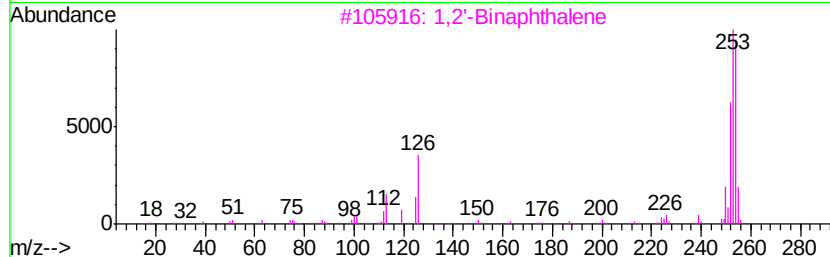
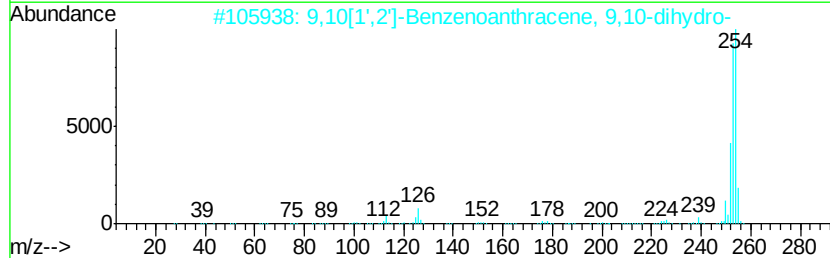
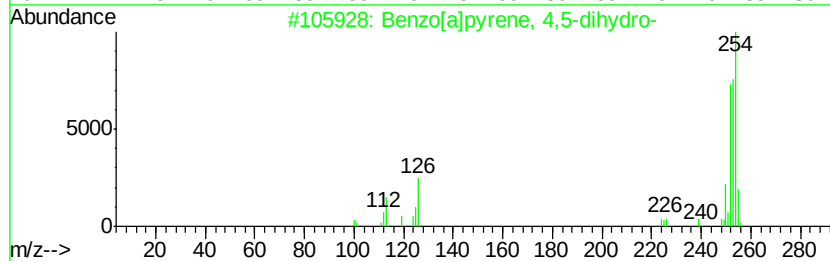
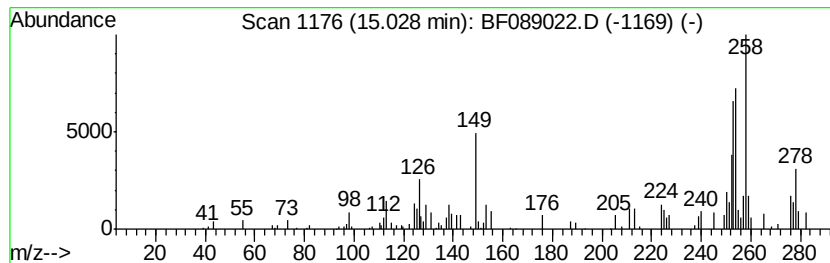
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.21 ng	107243	Perylene-d12	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	25
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	25
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	15
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	15
5		1H-1,2,4-Triazole-5(4H)-thione, ...	254	C13H10N4S	057600-03-0	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
Data File : BF089022.D
Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

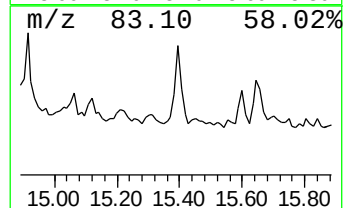
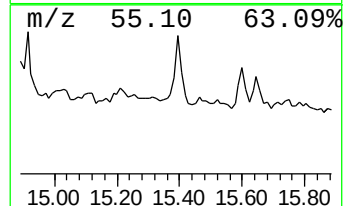
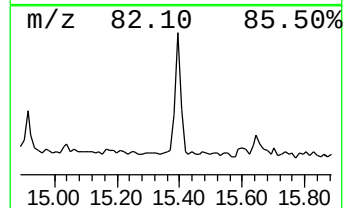
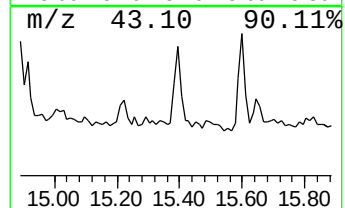
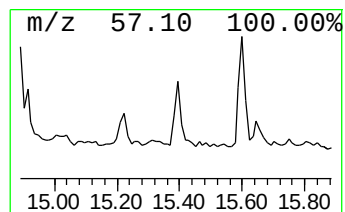
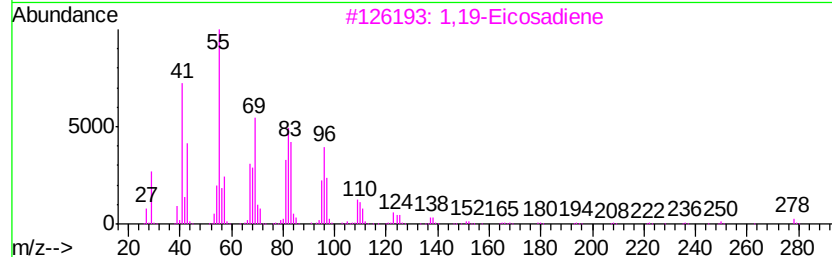
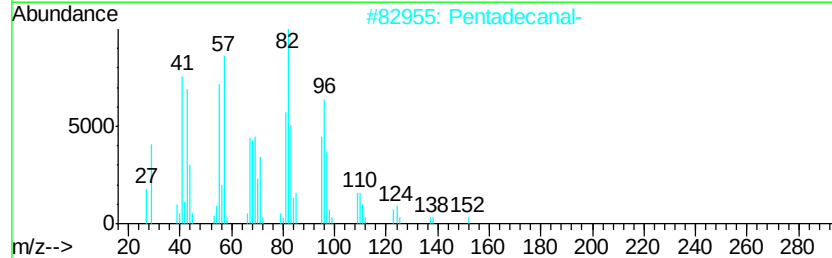
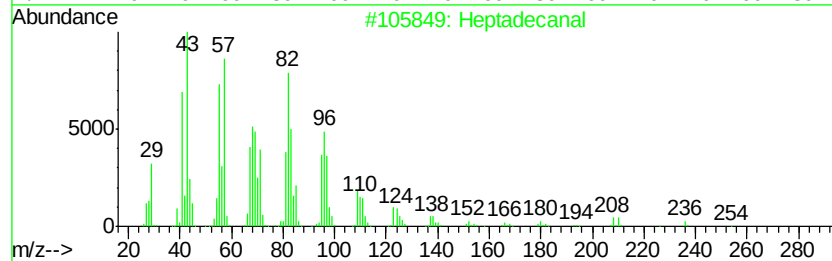
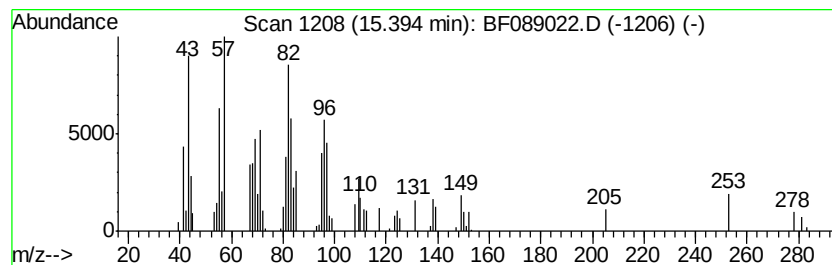
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecanal Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	4.09 ng	53440	Perylene-d12	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecanal	254	C17H34O	1000376-70-0	86
2		Pentadecanal-	226	C15H30O	002765-11-9	76
3		1,19-Eicosadiene	278	C20H38	014811-95-1	74
4		Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	64
5		Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089022.D
Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

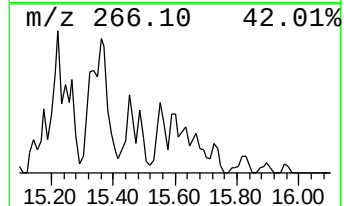
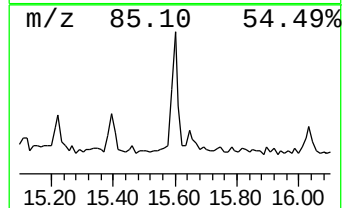
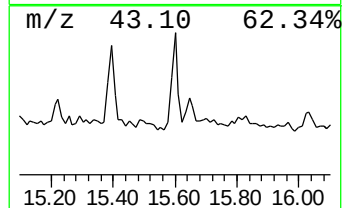
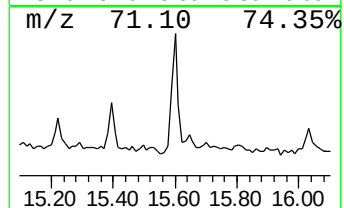
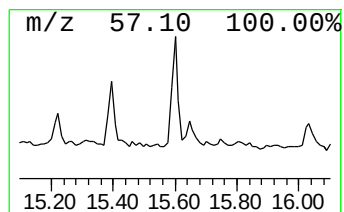
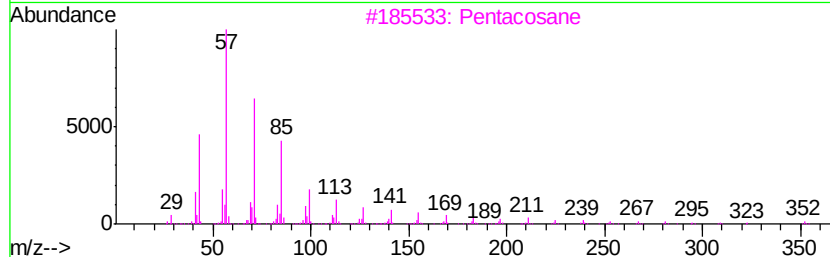
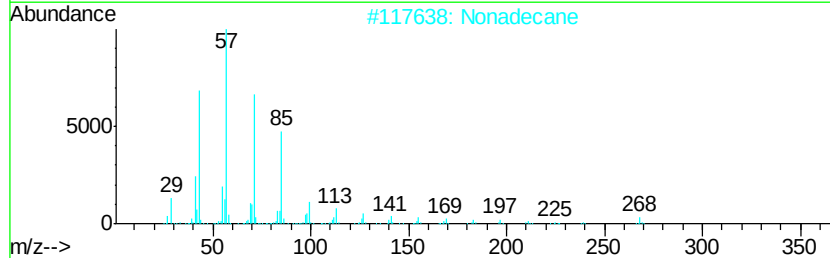
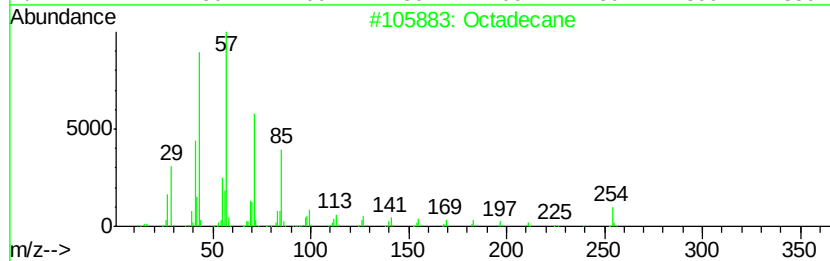
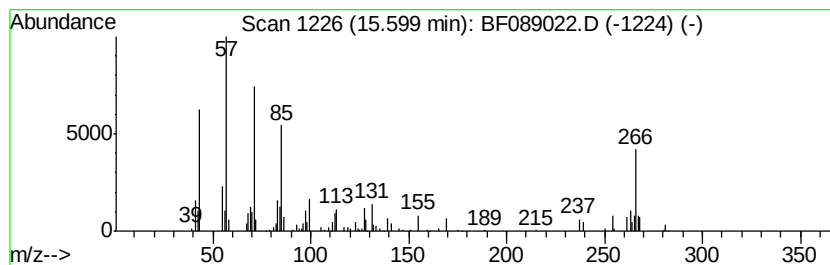
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.15 ng	54214	Perylene-d12	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	78
2		Nonadecane	268	C19H40	000629-92-5	78
3		Pentacosane	352	C25H52	000629-99-2	53
4		Heneicosane	296	C21H44	000629-94-7	53
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089022.D
Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2ft)

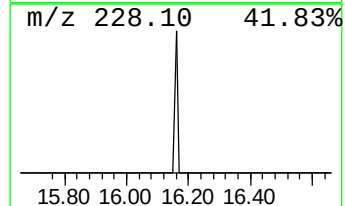
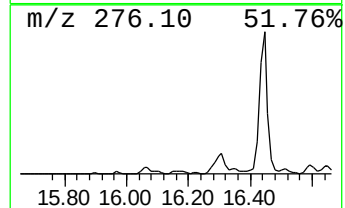
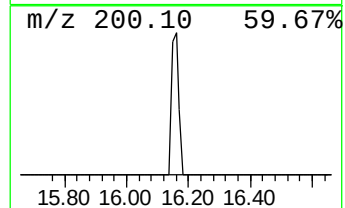
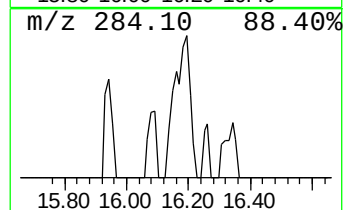
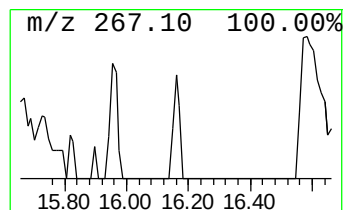
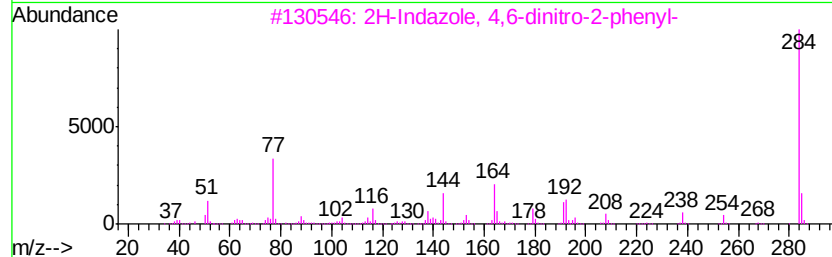
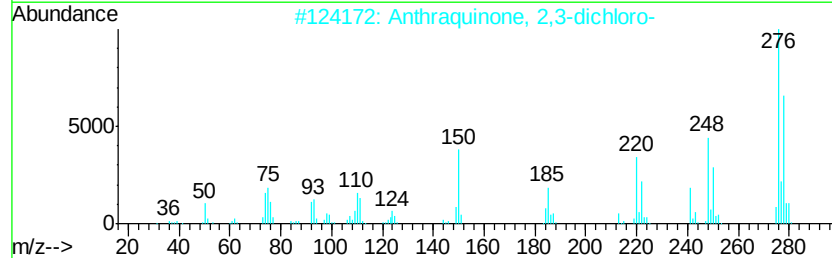
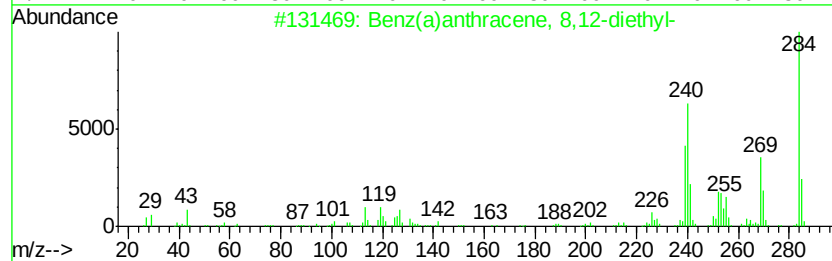
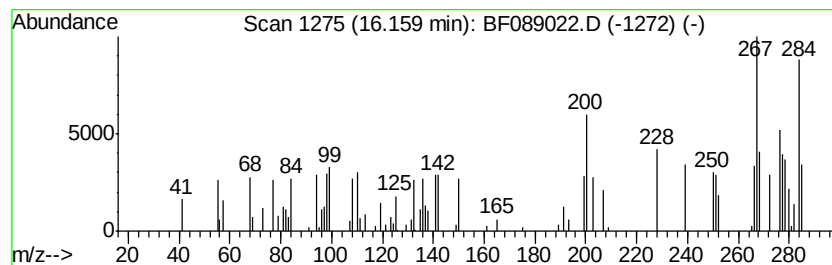
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.16 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	4.98 ng	65059	Perylene-d12	15.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene, 8,12-diethyl-	284	C22H20	036911-95-2	11
2			Anthraquinone, 2,3-dichloro-	276	C14H6Cl2O2	000084-45-7	10
3			2H-Indazole, 4,6-dinitro-2-phenyl-	284	C13H8N4O4	308103-90-4	10
4			4-Trimethylsilyl-9,9-dimethyl-9-...	282	C17H22Si2	058263-56-2	10
5			2,7-Diethoxyphenazine 5-oxide	284	C16H16N2O3	018274-47-0	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
Data File : BF089022.D
Acq On : 15 Jul 2016 17:56
Operator : UM/SJ
Sample : H3972-06 4X
Misc :
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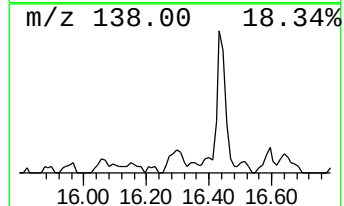
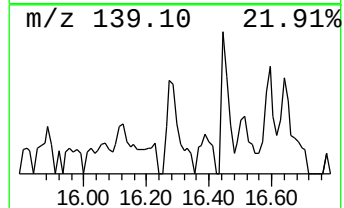
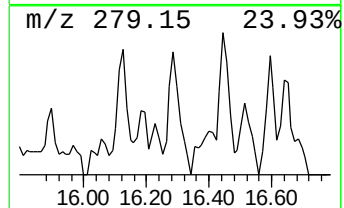
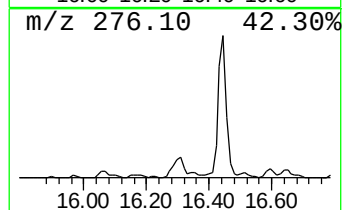
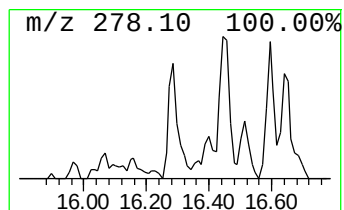
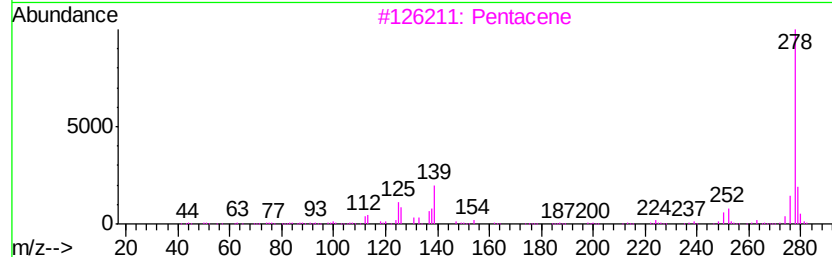
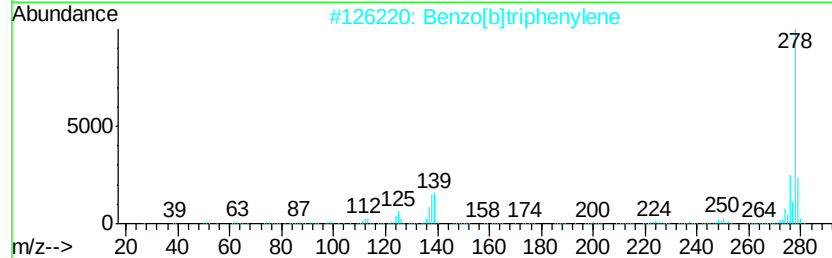
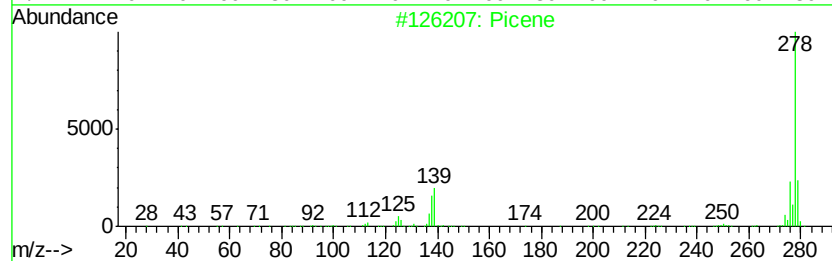
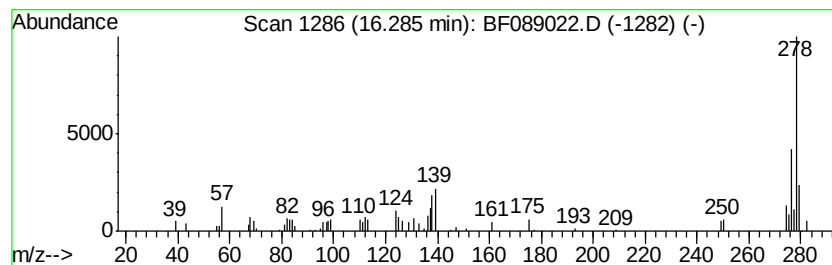
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ClientSampleId :
LSS-SB-SB09(0-2ft)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Picene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	7.64 ng	99889	Perylene-d12	15.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Picene	278 C22H14	000213-46-7	64
2	Benzo[b]triphenylene	278 C22H14	000215-58-7	64
3	Pentacene	278 C22H14	000135-48-8	64
4	Dibenz[a,h]anthracene	278 C22H14	000053-70-3	52
5	Benz[a]anthracene-7,12-dicarboni...	278 C20H10N2	035215-32-8	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089022.D
 Acq On : 15 Jul 2016 17:56
 Operator : UM/SJ
 Sample : H3972-06 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2ft)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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
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Phenanthrene, 2-m...	11.68	7.7	ng	197729	4	11.19	514563	20.0
Phenanthrene, 1-m...	11.71	9.6	ng	246812	4	11.19	514563	20.0
Anthracene, 1-met...	11.76	6.1	ng	156248	4	11.19	514563	20.0
4H-Cyclopenta[def...	11.79	19.4	ng	499145	4	11.19	514563	20.0
Naphthalene, 2-ph...	11.98	8.5	ng	218531	4	11.19	514563	20.0
Phenanthrene, 3,6...	12.23	4.6	ng	118993	4	11.19	514563	20.0
Cyclopenta(def)ph...	12.32	5.1	ng	132314	4	11.19	514563	20.0
Pyrene, 1-methyl-	12.95	6.9	ng	552978	5	13.82	1611900	20.0
Benz(a)anthracene...	14.66	7.2	ng	94261	6	15.18	261397	20.0
unknown15.03	15.03	8.2	ng	107243	6	15.18	261397	20.0
Heptadecanal	15.39	4.1	ng	53440	6	15.18	261397	20.0
Octadecane	15.60	4.2	ng	54214	6	15.18	261397	20.0
unknown16.16	16.16	5.0	ng	65059	6	15.18	261397	20.0
Picene	16.29	7.6	ng	99889	6	15.18	261397	20.0