

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086646.D
 Acq On : 3 May 2016 16:00
 Operator : UM/SJ
 Sample : H2685-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-11(6-12FTBGS)

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-BF042716.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	3.355	108	111	122	rVB	33856	84289	1.36%	0.099%
2	4.944	248	250	256	rBV	135948	247635	3.99%	0.290%
3	5.356	282	286	288	rBV	4305248	6205659	100.00%	7.278%
4	6.396	374	377	380	rBV	4511056	5734572	92.41%	6.725%
5	6.522	385	388	390	rBV	5455748	5721321	92.20%	6.710%
6	6.750	406	408	414	rBV	1250318	1208367	19.47%	1.417%
7	6.910	419	422	424	rBV	4762463	4606678	74.23%	5.403%
8	7.322	455	458	460	rBV	3520145	3819473	61.55%	4.479%
9	7.424	465	467	474	rVV	64286	149301	2.41%	0.175%
10	7.527	474	476	479	rVB	62943	72469	1.17%	0.085%
11	8.042	518	521	523	rBV	1350156	1598242	25.75%	1.874%
12	8.579	565	568	570	rBV	310186	318566	5.13%	0.374%
13	8.750	581	583	587	rBV	70274	70233	1.13%	0.082%
14	8.853	589	592	593	rBV	77250	84967	1.37%	0.100%
15	8.899	593	596	603	rVB2	130725	205662	3.31%	0.241%
16	9.116	612	615	618	rBV	4510066	5562042	89.63%	6.523%
17	9.207	621	623	631	rVB3	38600	109849	1.77%	0.129%
18	9.379	636	638	642	rBV	47639	71030	1.14%	0.083%
19	9.448	642	644	646	rBV	117579	153799	2.48%	0.180%
20	9.516	646	650	652	rVV	1150038	1115541	17.98%	1.308%
21	9.562	652	654	657	rVB2	41987	92196	1.49%	0.108%
22	9.653	657	662	664	rBV	148316	165795	2.67%	0.194%
23	9.733	667	669	671	rBV	143477	114814	1.85%	0.135%
24	9.790	671	674	676	rBV	1801025	1818651	29.31%	2.133%
25	9.825	676	677	679	rVB	428922	313383	5.05%	0.368%
26	9.950	685	688	690	rBV3	42668	80822	1.30%	0.095%
27	9.996	690	692	694	rVV	190460	225084	3.63%	0.264%
28	10.030	694	695	699	rVB2	62432	105004	1.69%	0.123%
29	10.110	699	702	703	rBV2	50097	78336	1.26%	0.092%
30	10.236	707	713	715	rBV2	204780	366393	5.90%	0.430%
31	10.339	720	722	725	rBV2	227359	307124	4.95%	0.360%
32	10.396	725	727	728	rBV	70389	108006	1.74%	0.127%
33	10.453	730	732	734	rBV	88021	123041	1.98%	0.144%
34	10.499	734	736	738	rVB	114123	163859	2.64%	0.192%

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35	10.579	740	743	746	rBV	3522387	3669256	59.13%	4.303%
36	10.705	751	754	759	rVB	402132	479746	7.73%	0.563%
37	10.888	766	770	773	rBV5	97514	292435	4.71%	0.343%
38	10.956	775	776	778	rVB2	53844	70761	1.14%	0.083%
39	11.036	778	783	785	rBV3	87057	263495	4.25%	0.309%
40	11.082	785	787	789	rVB	128552	182145	2.94%	0.214%
41	11.128	789	791	792	rBV	115294	156996	2.53%	0.184%
42	11.151	792	793	799	rVB2	217781	436555	7.03%	0.512%
43	11.299	802	806	808	rBV2	3820866	4916952	79.23%	5.767%
44	11.345	808	810	812	rVB	736879	669504	10.79%	0.785%
45	11.505	821	824	828	rBV2	195088	361692	5.83%	0.424%
46	11.573	828	830	831	rVV	111460	113702	1.83%	0.133%
47	11.596	831	832	837	rVB2	60251	79113	1.27%	0.093%
48	11.688	837	840	842	rVB2	37687	73217	1.18%	0.086%
49	11.768	845	847	849	rBV	397605	591149	9.53%	0.693%
50	11.802	849	850	853	rVV2	574809	795528	12.82%	0.933%
51	11.848	853	854	855	rVB	185104	126889	2.04%	0.149%
52	11.882	855	857	862	rVB2	753839	1114022	17.95%	1.307%
53	11.962	862	864	865	rBV2	42895	78366	1.26%	0.092%
54	11.985	865	866	869	rVB2	61919	79164	1.28%	0.093%
55	12.065	871	873	874	rBV	327284	316978	5.11%	0.372%
56	12.214	884	886	888	rBV	123996	152022	2.45%	0.178%
57	12.248	888	889	890	rVV	102514	76254	1.23%	0.089%
58	12.316	893	895	897	rBV	210282	343758	5.54%	0.403%
59	12.351	897	898	901	rVV2	114561	232576	3.75%	0.273%
60	12.408	901	903	907	rVB2	218191	278044	4.48%	0.326%
61	12.488	907	910	912	rBV	3407641	3851675	62.07%	4.517%
62	12.534	912	914	918	rVB3	65857	132952	2.14%	0.156%
63	12.625	918	922	926	rBV3	133174	368124	5.93%	0.432%
64	12.705	926	929	932	rBV2	2231953	3846560	61.98%	4.511%
65	12.762	932	934	938	rVB2	183504	274187	4.42%	0.322%
66	12.865	940	943	945	rVB	2660703	3765058	60.67%	4.416%
67	12.934	945	949	950	rVB2	181737	259828	4.19%	0.305%
68	13.036	954	958	960	rVB2	367957	605380	9.76%	0.710%
69	13.105	962	964	965	rBV2	194330	189567	3.05%	0.222%
70	13.139	965	967	968	rBV	352662	350341	5.65%	0.411%
71	13.231	973	975	976	rVB	182017	137820	2.22%	0.162%

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72	13.265	976	978	980	rBV2	141185	174879	2.82%	0.205%
73	13.391	987	989	991	rBV2	143822	178634	2.88%	0.209%
74	13.436	991	993	998	rVB4	79401	209471	3.38%	0.246%
75	13.539	1000	1002	1006	rBV	245388	292915	4.72%	0.344%
76	13.654	1009	1012	1013	rBV2	248950	363387	5.86%	0.426%
77	13.757	1019	1021	1025	rVB2	202309	447046	7.20%	0.524%
78	13.905	1030	1034	1035	rBV2	1529293	2832650	45.65%	3.322%
79	14.008	1041	1043	1044	rVB	175810	137063	2.21%	0.161%
80	14.294	1065	1068	1069	rBV	200736	254035	4.09%	0.298%
81	14.328	1069	1071	1072	rVB	108312	124825	2.01%	0.146%
82	14.385	1074	1076	1077	rVV2	94946	93022	1.50%	0.109%
83	14.591	1092	1094	1095	rBV	72317	82724	1.33%	0.097%
84	14.659	1099	1100	1102	rBV2	91338	169801	2.74%	0.199%
85	14.751	1106	1108	1111	rBV3	118162	220916	3.56%	0.259%
86	14.911	1119	1122	1127	rBV	1222967	2424235	39.06%	2.843%
87	15.002	1128	1130	1132	rVB2	179326	266608	4.30%	0.313%
88	15.185	1144	1146	1149	rVB	722844	914483	14.74%	1.072%
89	15.242	1149	1151	1154	rBV	952998	1192955	19.22%	1.399%
90	15.300	1154	1156	1158	rBV	675471	962101	15.50%	1.128%
91	15.734	1192	1194	1197	rBV2	85133	150059	2.42%	0.176%
92	16.328	1244	1246	1252	rVB5	85660	206950	3.33%	0.243%
93	16.625	1269	1272	1283	rVB2	384494	1267369	20.42%	1.486%
94	16.797	1284	1287	1289	rBV	79559	188893	3.04%	0.222%
95	16.843	1289	1291	1294	rVB	54594	93205	1.50%	0.109%
96	17.025	1304	1307	1315	rVB	370134	831794	13.40%	0.976%
97	17.243	1323	1326	1333	rVB2	58765	156572	2.52%	0.184%
98	19.220	1496	1499	1503	rBV	34859	96396	1.55%	0.113%

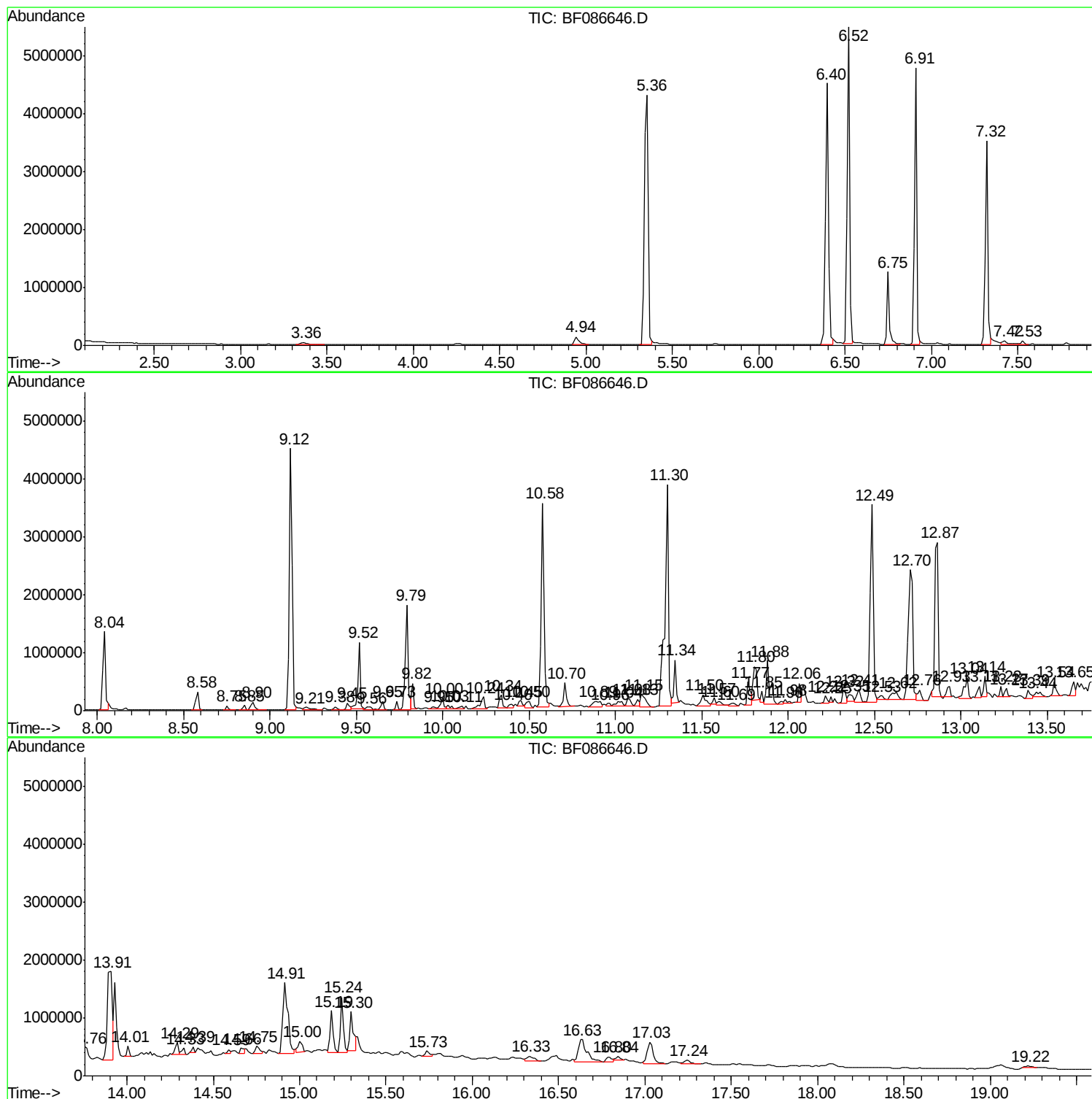
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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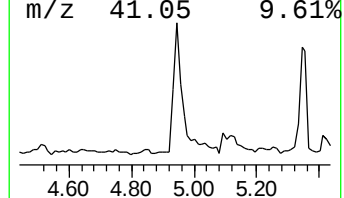
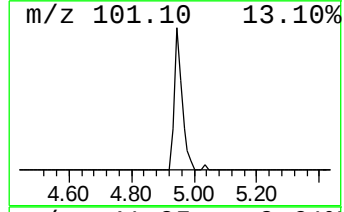
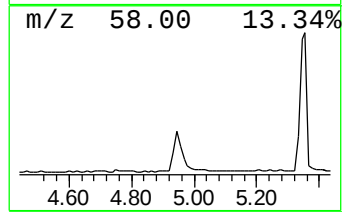
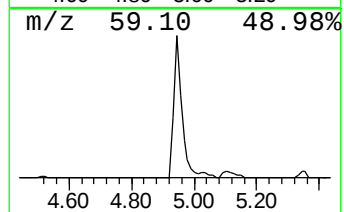
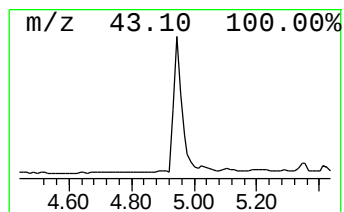
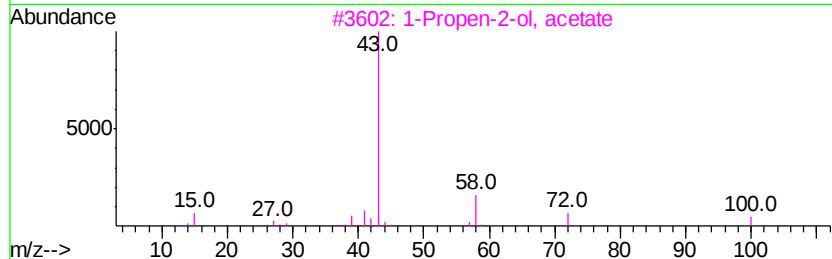
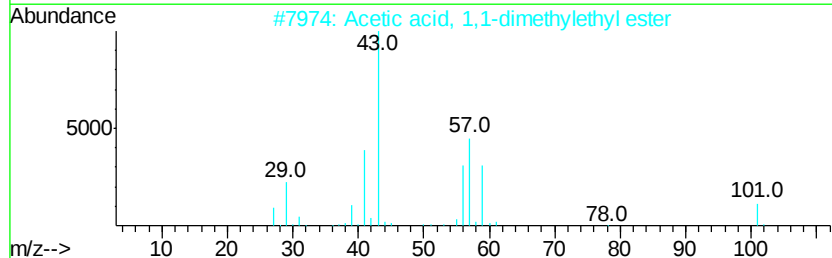
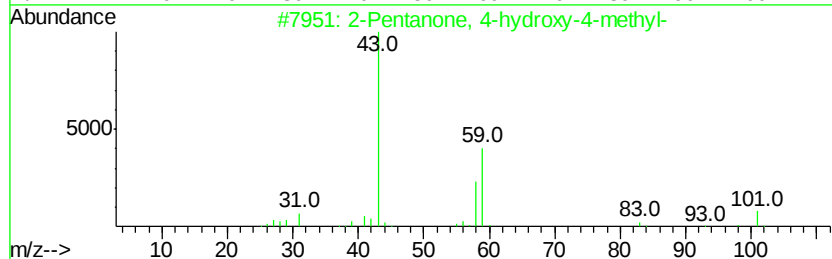
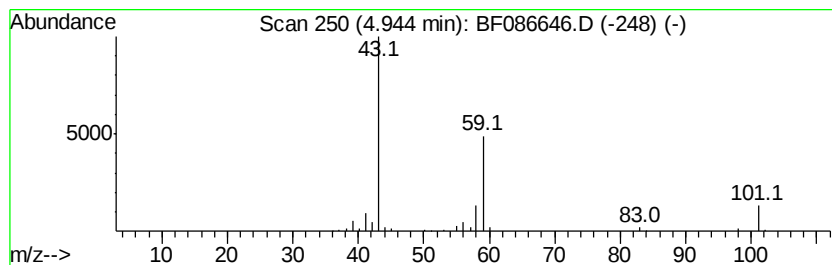
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	4.10 ng	247635	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		Diacetamide	101	C4H7NO2	000625-77-4	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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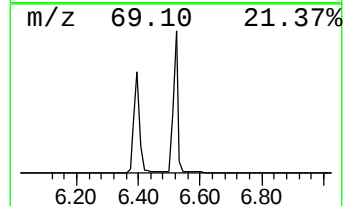
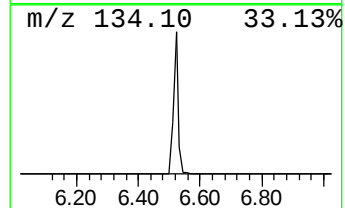
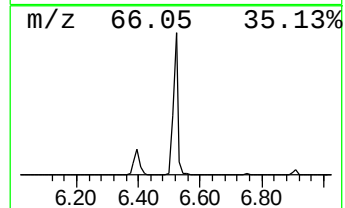
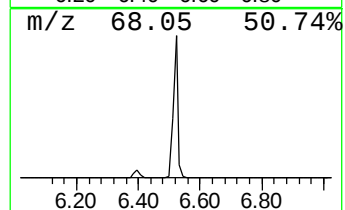
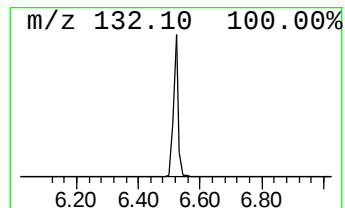
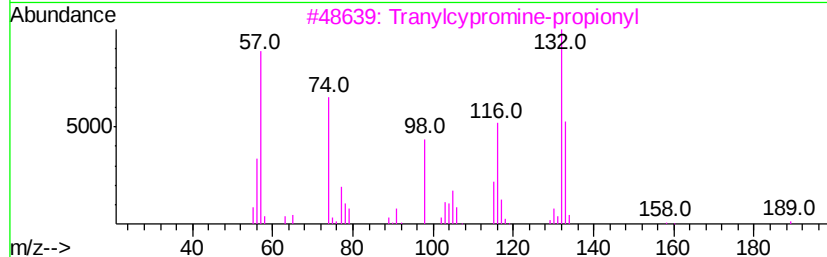
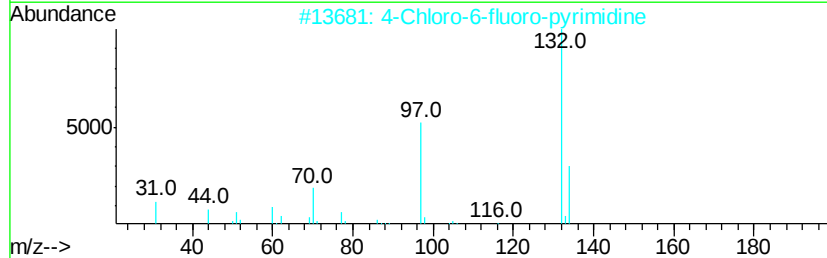
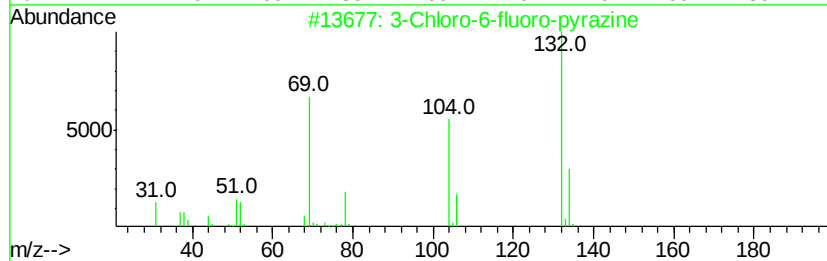
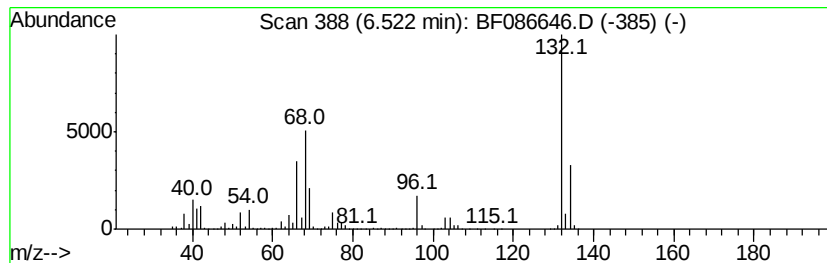
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	94.70 ng	5721320	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	22
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16



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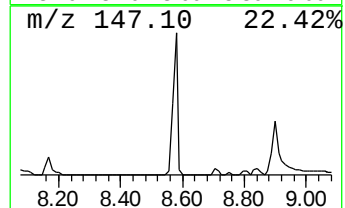
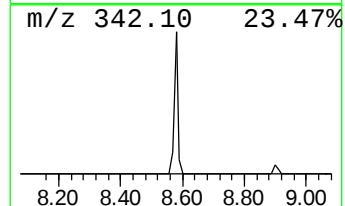
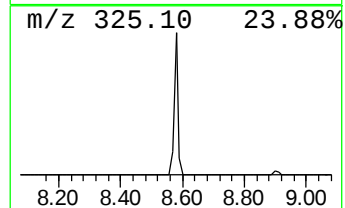
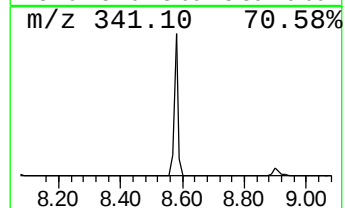
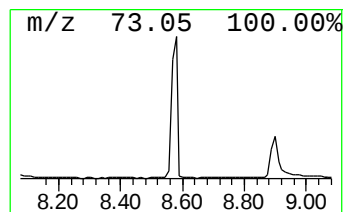
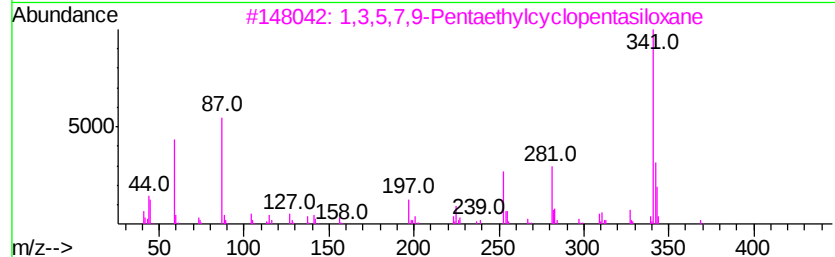
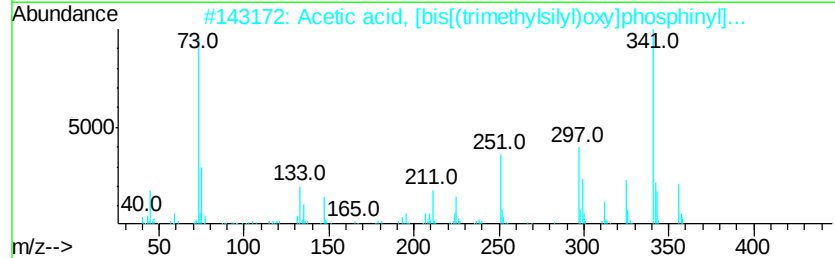
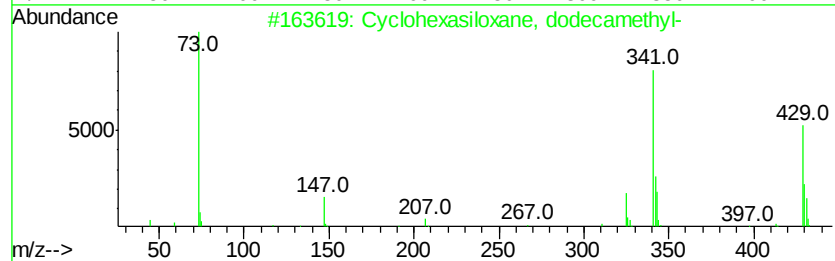
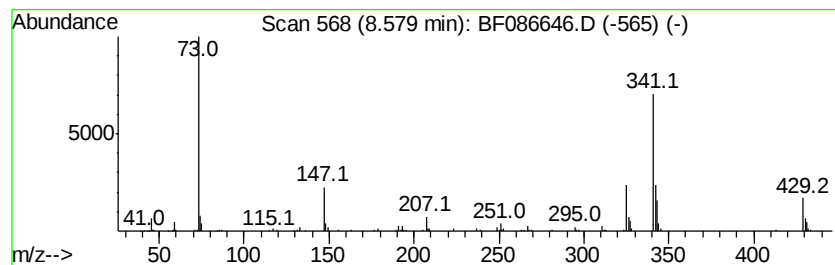
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Peak Number 4 Cyclohexasiloxane, dodecane... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	3.99 ng	318566	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexasiloxane, dodecamethyl-	444	C12H36O6Si6	000540-97-6	91
2		Acetic acid, [bis(trimethylsilyl)oxy]phosphiny]	356	C11H29O5PSi3	053044-27-2	50
3		1,3,5,7,9-Pentaethylcyclopentasiloxane	370	C10H30O5Si5	017995-44-7	35
4		2,4,6(1H,3H,5H)-Pyrimidinetrione	356	C16H32N2O3Si2	052988-92-8	28
5		Fluoren-9-ol, 3,6-dimethoxy-9-(2-methoxyphenyl)-	342	C23H18O3	1000217-31-2	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

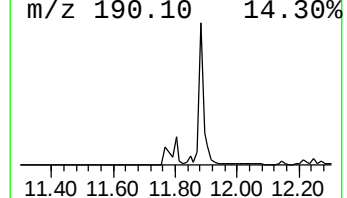
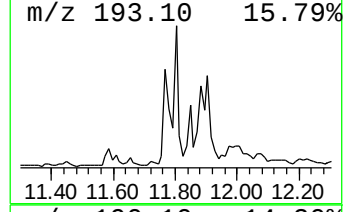
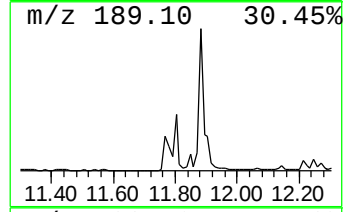
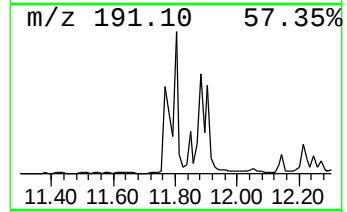
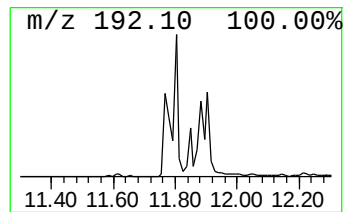
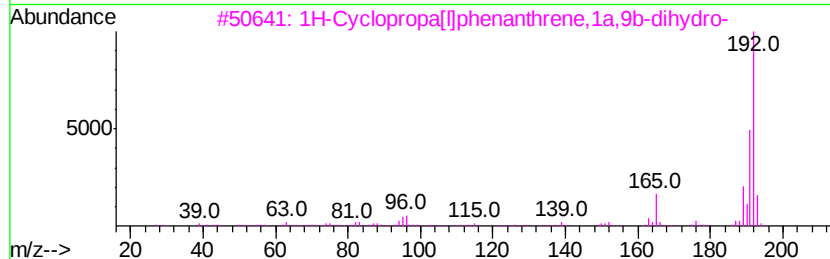
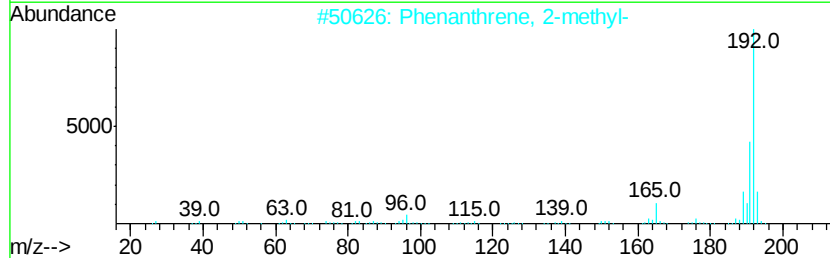
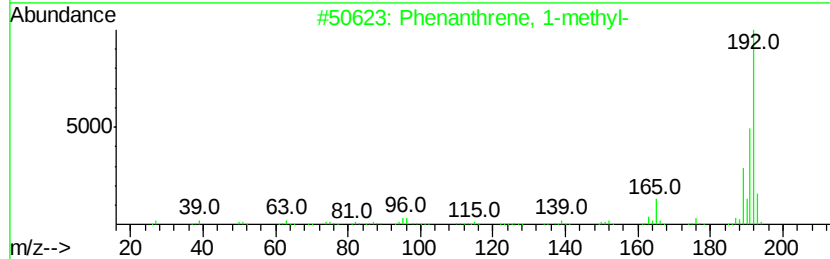
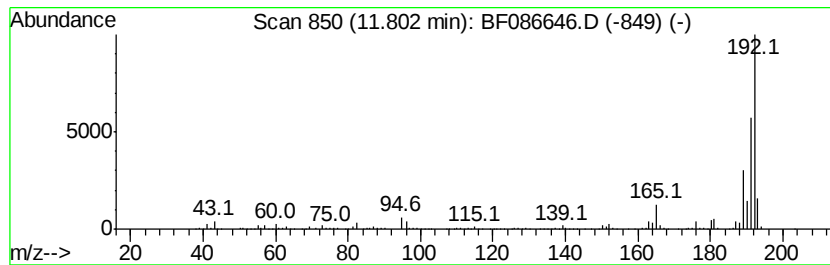
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	3.24 ng	795528	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
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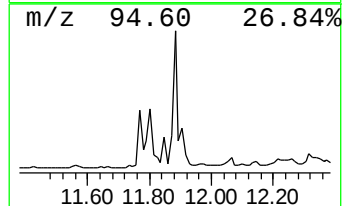
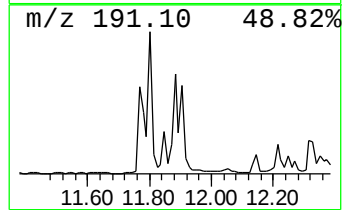
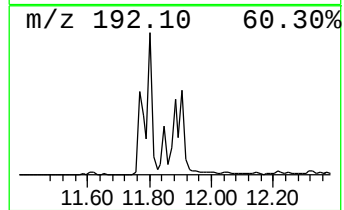
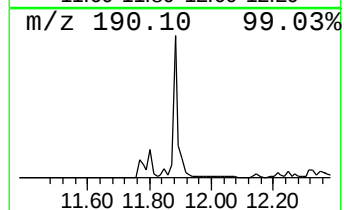
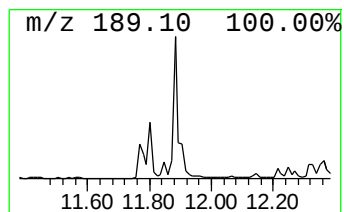
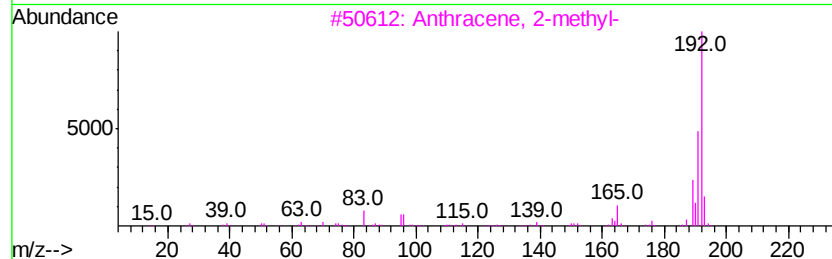
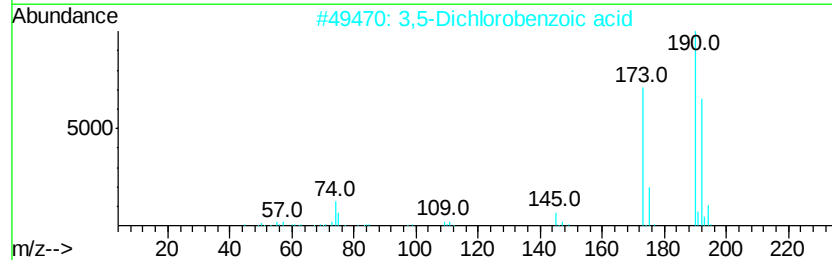
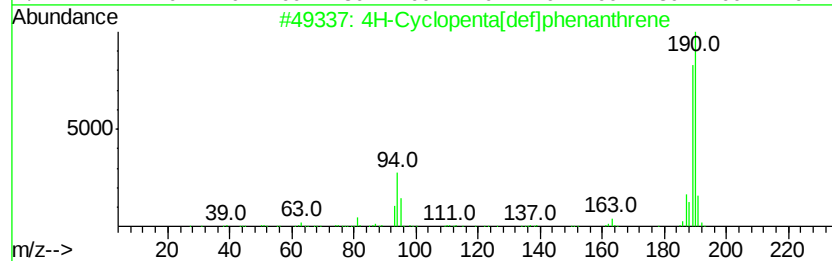
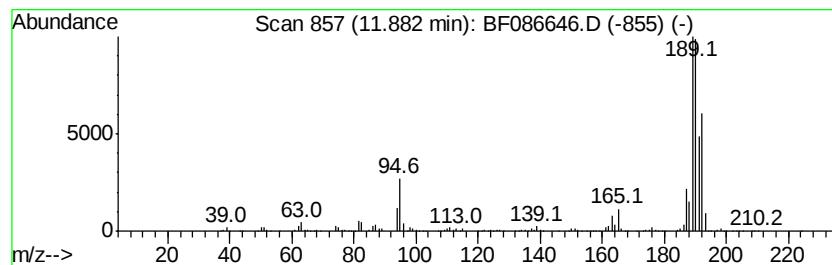
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ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.88	4.53 ng	1114020	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
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Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
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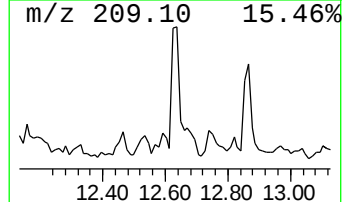
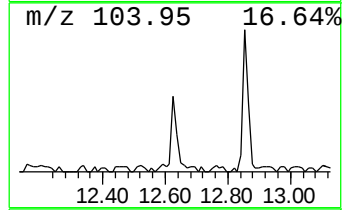
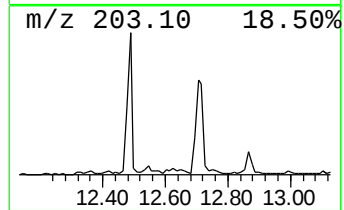
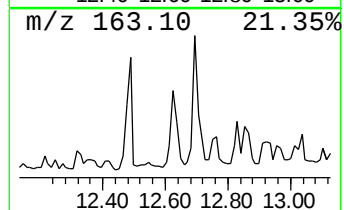
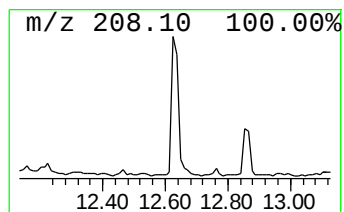
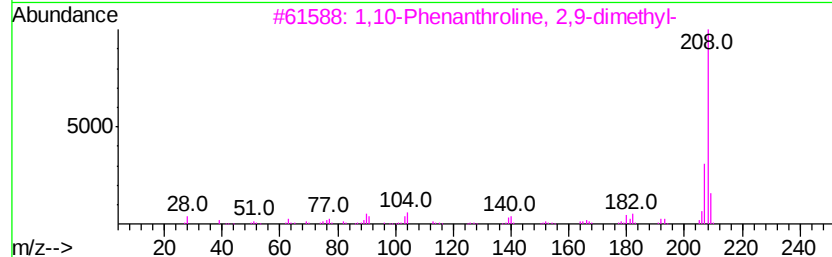
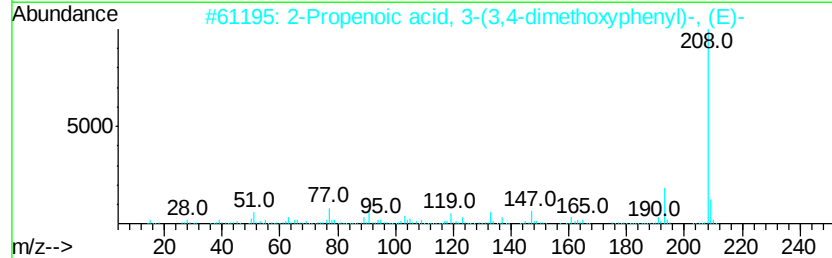
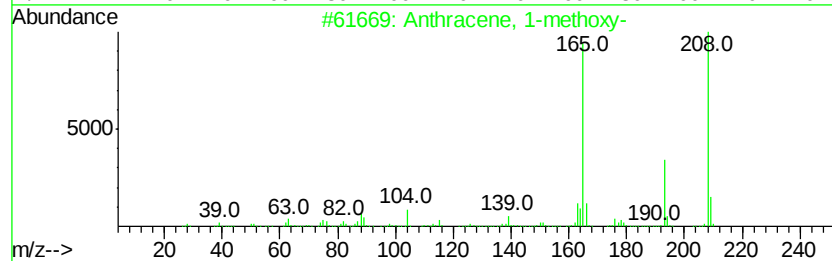
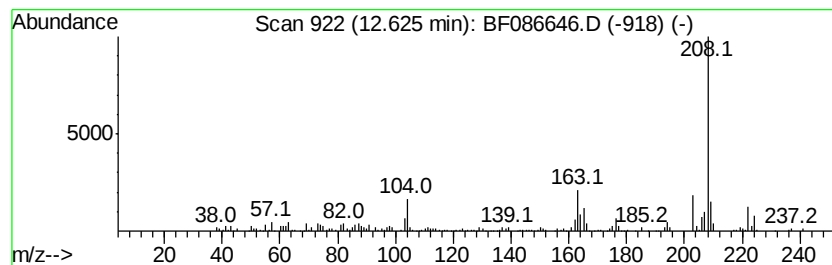
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ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methoxy- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.60 ng	368124	Chrysene-d12	13.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Anthracene, 1-methoxy-	208 C15H12O	054458-84-3 50
2		2-Propenoic acid, 3-(3,4-dimethoxyphenyl)-, (E)-	208 C11H12O4	014737-89-4 49
3		1,10-Phenanthroline, 2,9-dimethyl-	208 C14H12N2	000484-11-7 47
4		Benzene, 1-methoxy-4-(phenylethyl)-	208 C15H12O	007380-78-1 47
5		2-p-Tolyl-2,3-dihydro-1H-benzo[1,2-b:4,5-b']diazole	208 C13H13BN2	1000296-11-8 47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

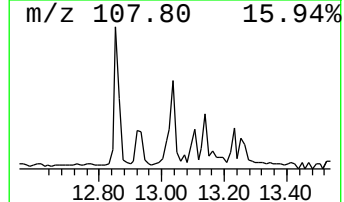
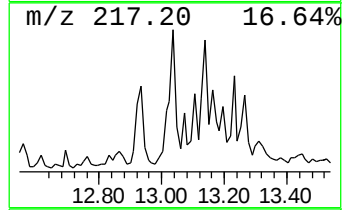
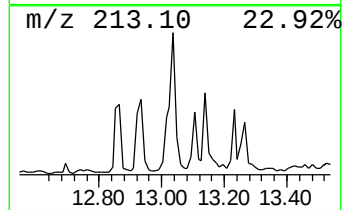
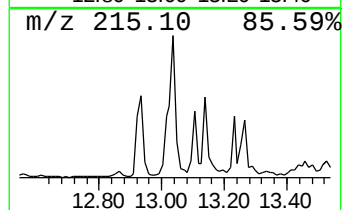
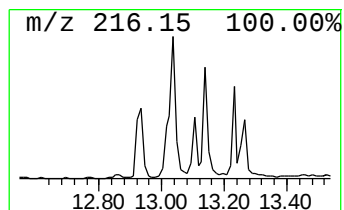
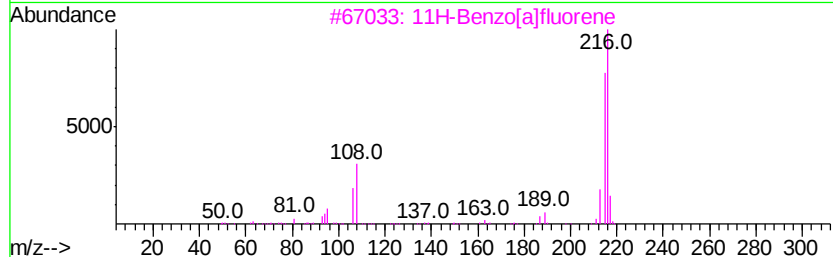
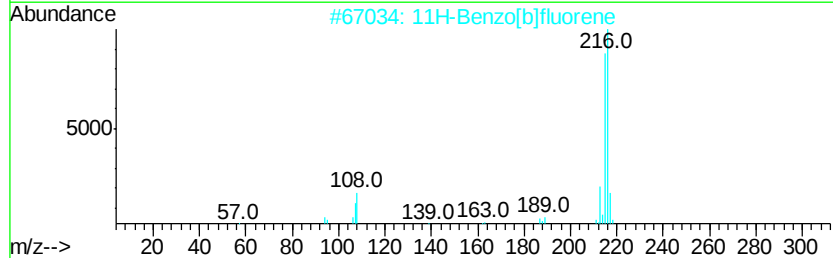
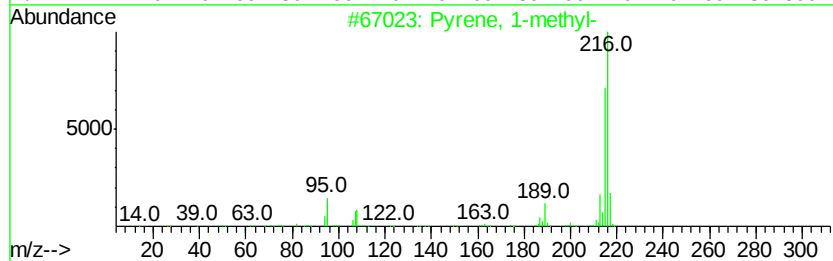
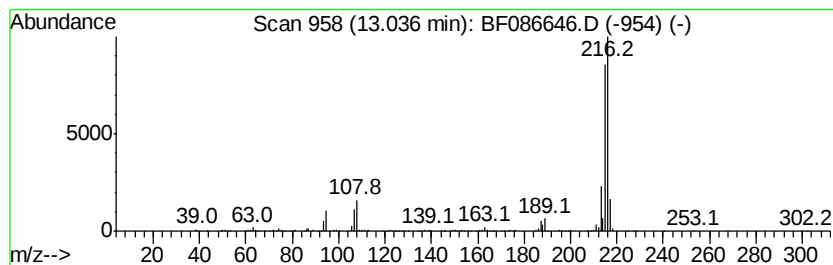
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.04	4.27 ng	605380	Chrysene-d12	13.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
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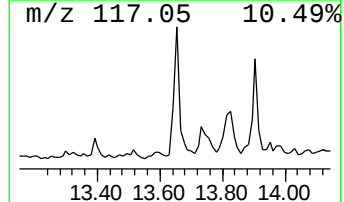
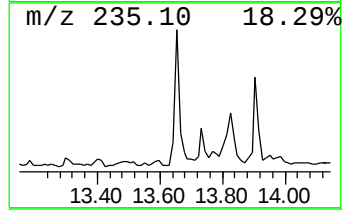
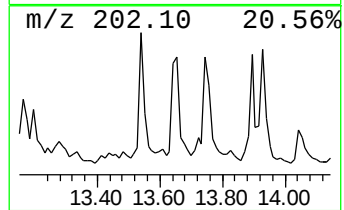
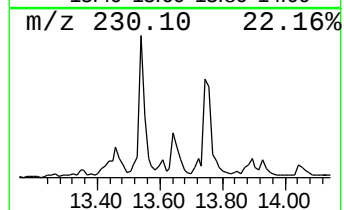
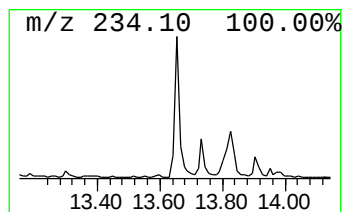
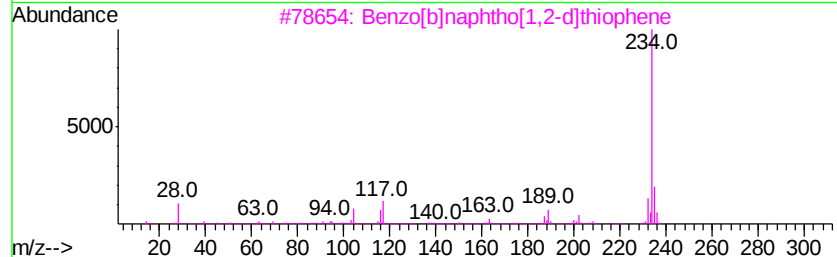
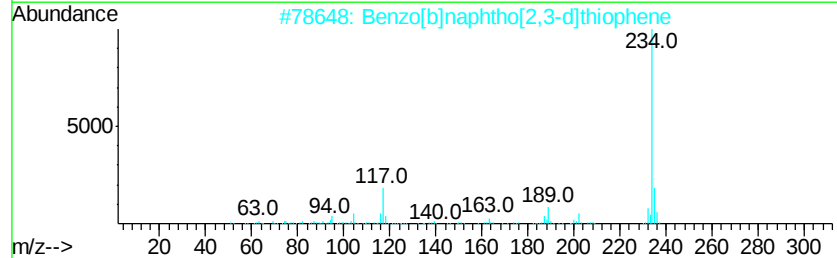
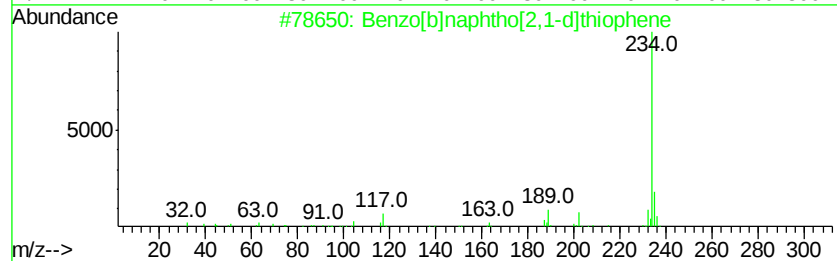
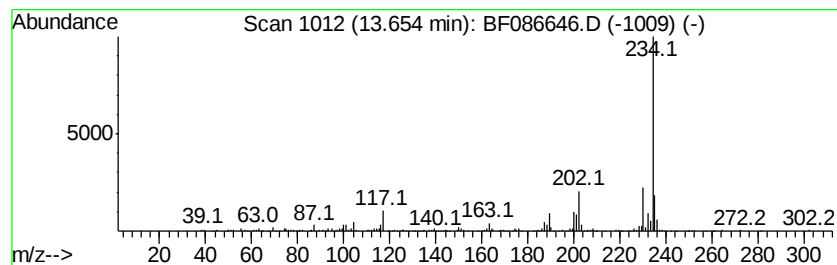
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.65	2.57 ng	363387	Chrysene-d12	13.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	86
4		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	49
5		Bicyclo[3.1.0]hexane, 1,6-diphenyl-	234	C18H18	056143-23-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
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Acq On : 3 May 2016 16:00
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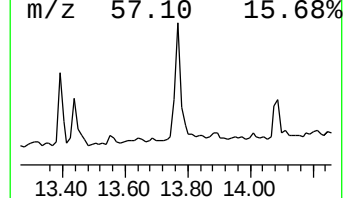
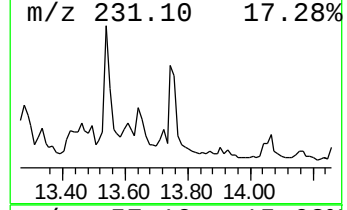
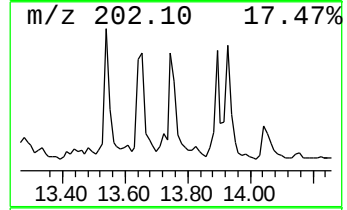
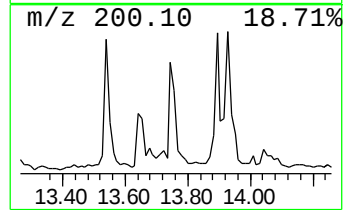
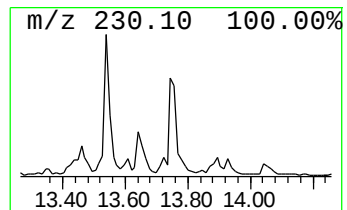
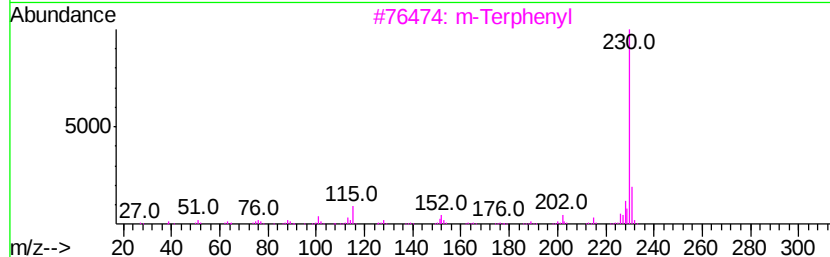
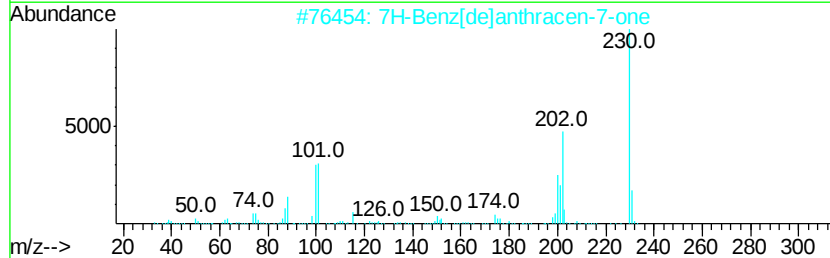
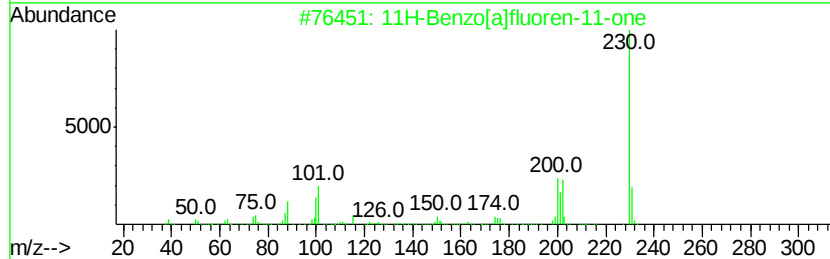
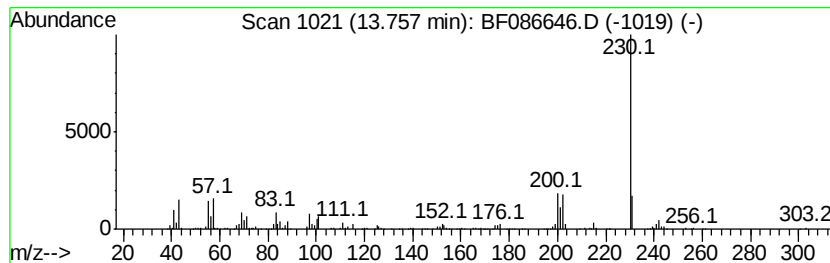
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.76	3.16 ng	447046	Chrysene-d12	13.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[al]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	90
3		m-Terphenyl	230	C18H14	000092-06-8	59
4		p-Terphenyl	230	C18H14	000092-94-4	59
5		Benzene, 1-phenyl-4-(2,2-dicyano...	230	C16H10N2	026089-09-8	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
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Acq On : 3 May 2016 16:00
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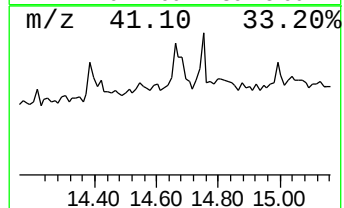
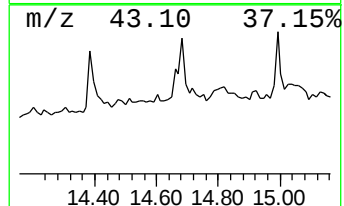
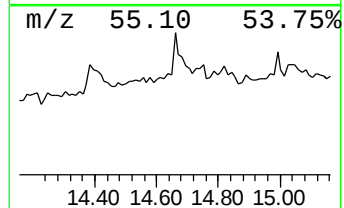
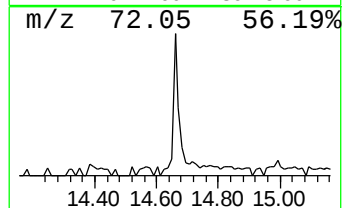
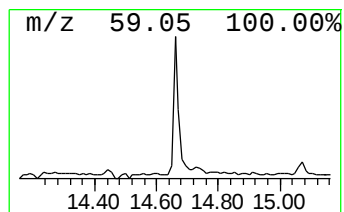
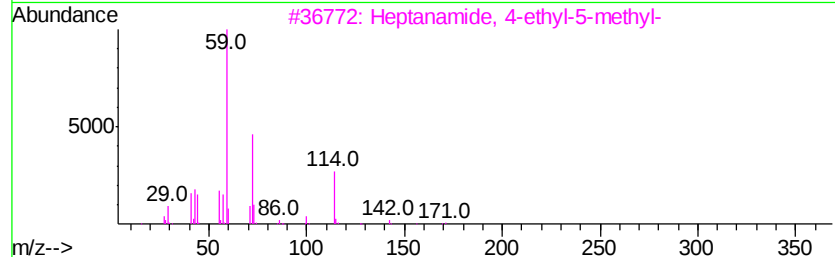
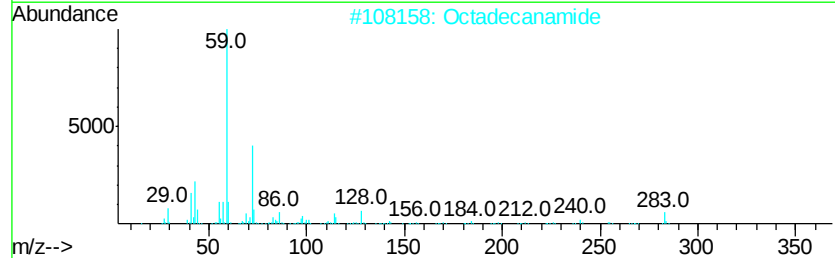
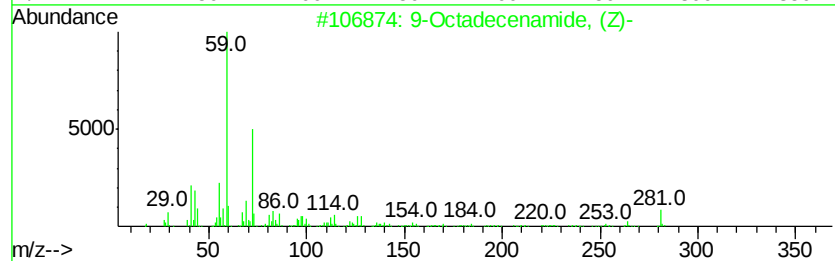
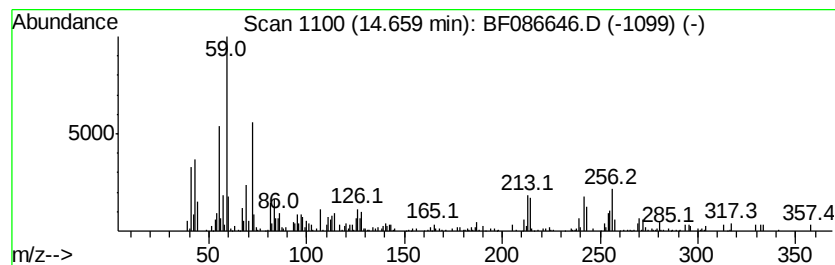
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ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9-Octadecenamide, (Z)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.66	3.53 ng	169801	Perylene-d12	15.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	52
2	Octadecanamide	283	C18H37NO	000124-26-5	50
3	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	50
4	Hexadecanamide	255	C16H33NO	000629-54-9	49
5	d-Glucosamine	179	C6H13NO5	000090-77-7	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

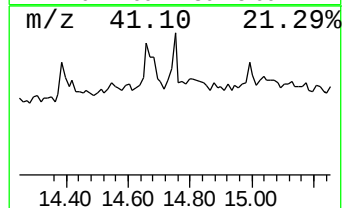
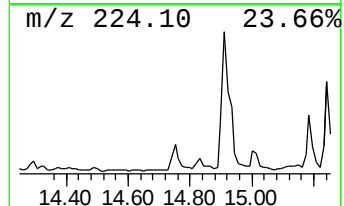
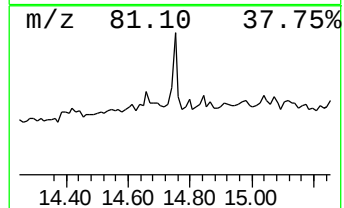
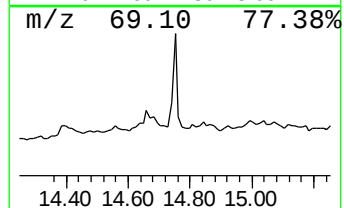
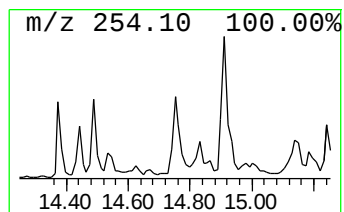
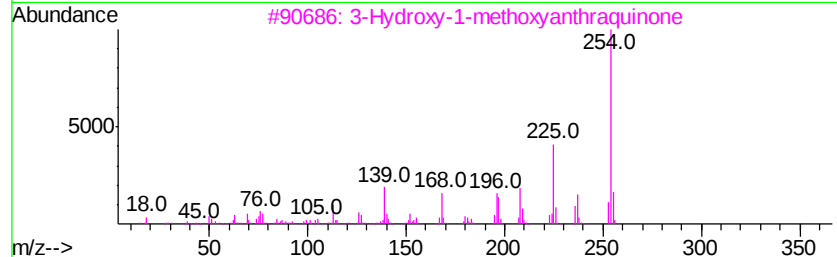
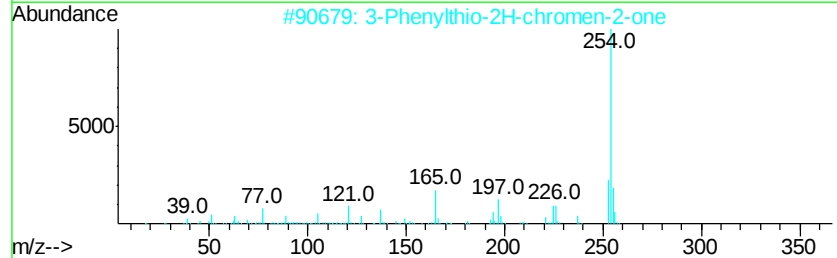
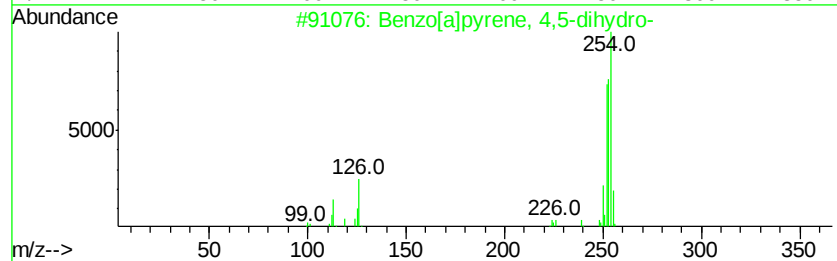
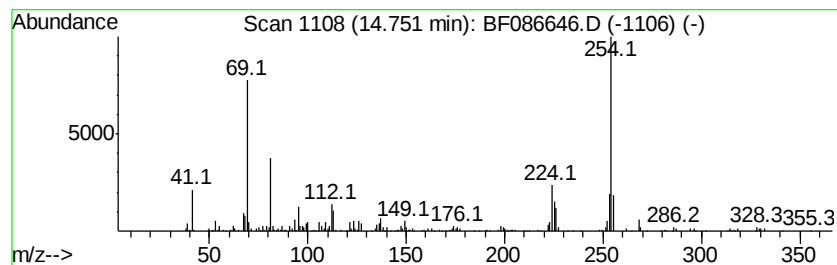
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BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.59 ng	220916	Perylene-d12	15.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[a]pyrene, 4,5-dihydro-	254 C20H14	057652-66-1 50
2		3-Phenylthio-2H-chromen-2-one	254 C15H10O2S	072167-95-4 43
3		3-Hydroxy-1-methoxyanthraquinone	254 C15H10O4	028504-24-7 43
4		Phenanthrene, 2-phenyl-	254 C20H14	004325-77-3 38
5		3-(2-Furan-2-yl-2-oxo-ethylidene...	254 C14H10N2O3	1000297-32-1 35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

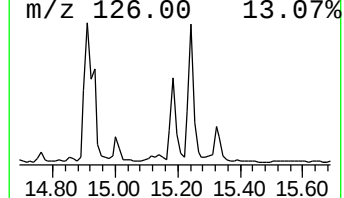
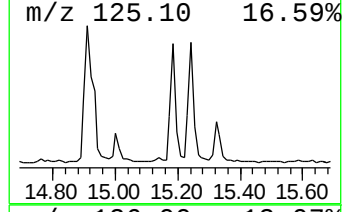
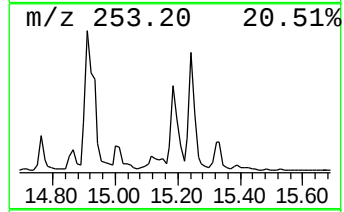
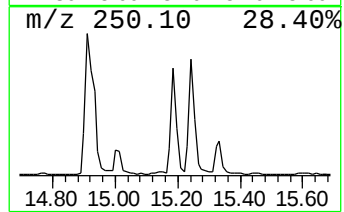
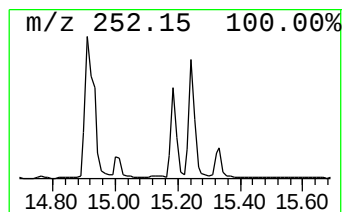
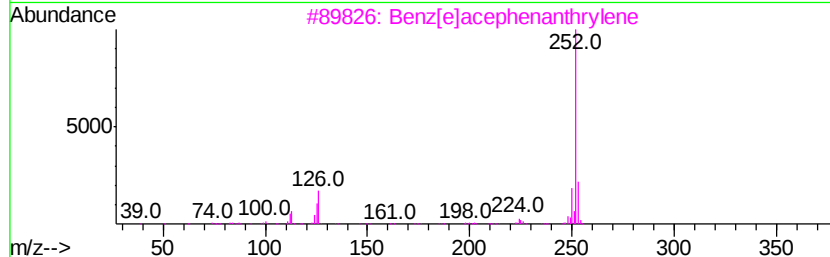
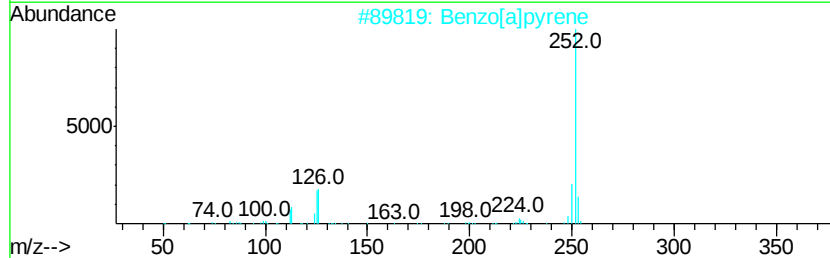
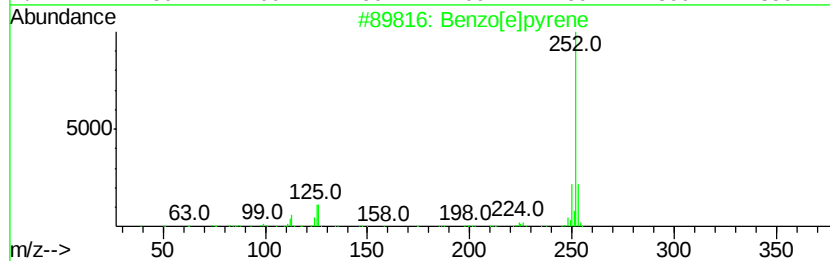
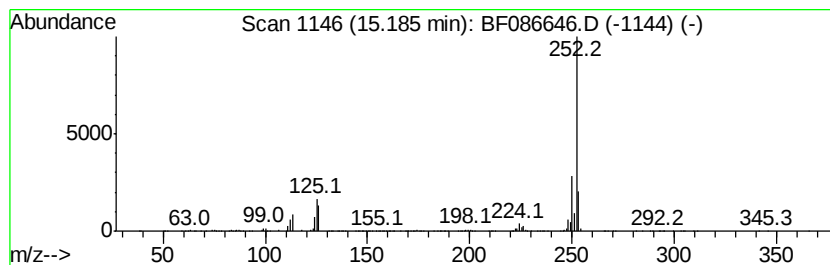
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	19.01 ng	914483	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[a]pyrene	252	C20H12	000050-32-8	95
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Perylene	252	C20H12	000198-55-0	89
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

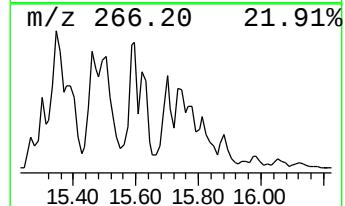
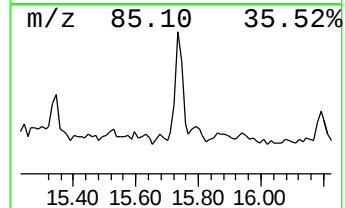
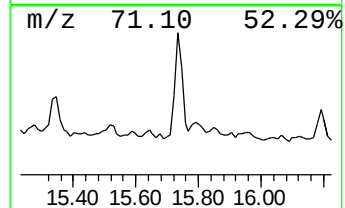
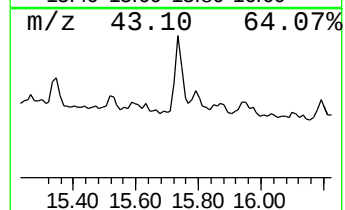
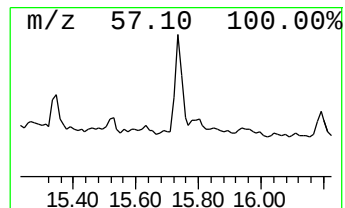
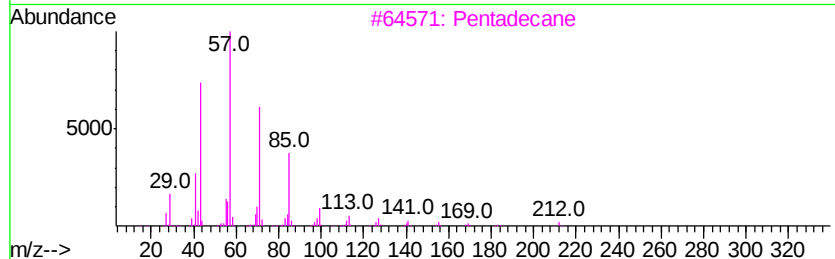
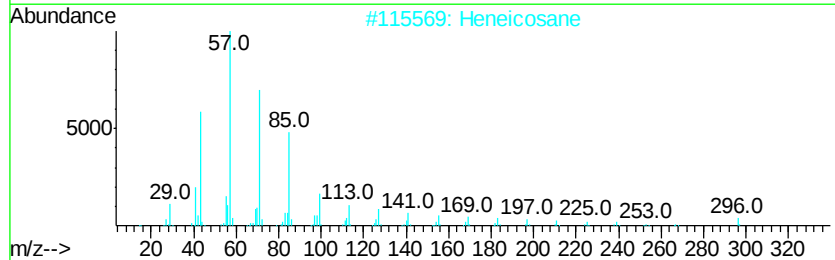
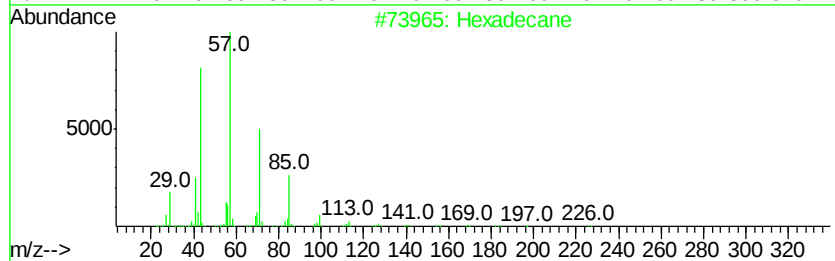
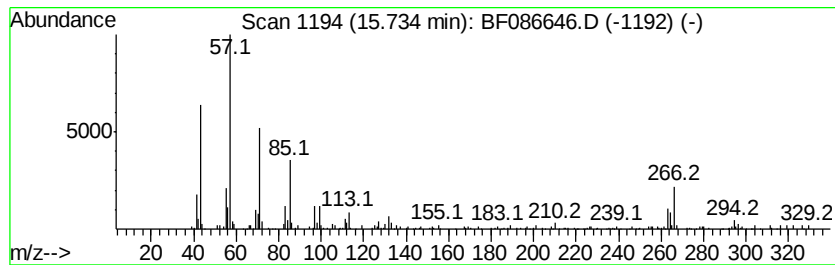
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.73	3.12 ng	150059	Perylene-d12	15.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Octacosane	394	C28H58	000630-02-4	62
5	Eicosane	282	C20H42	000112-95-8	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

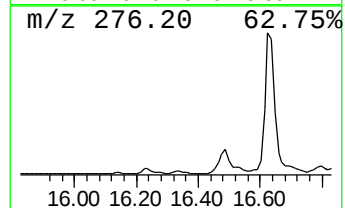
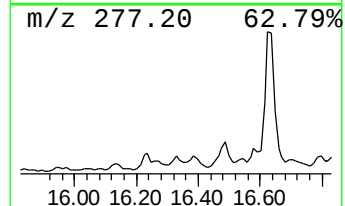
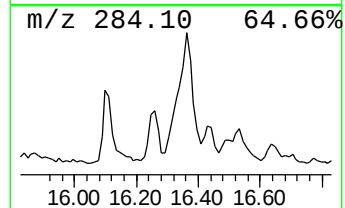
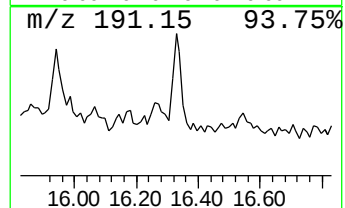
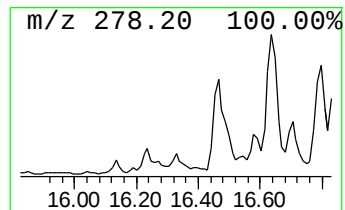
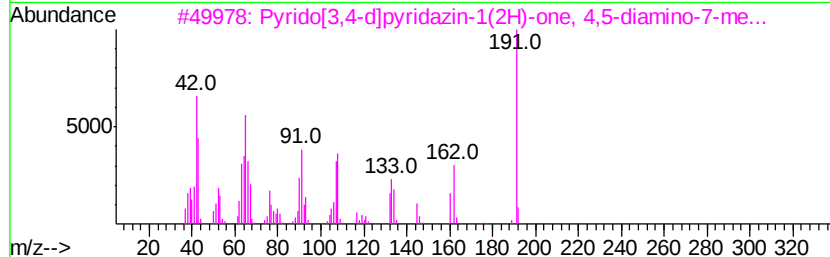
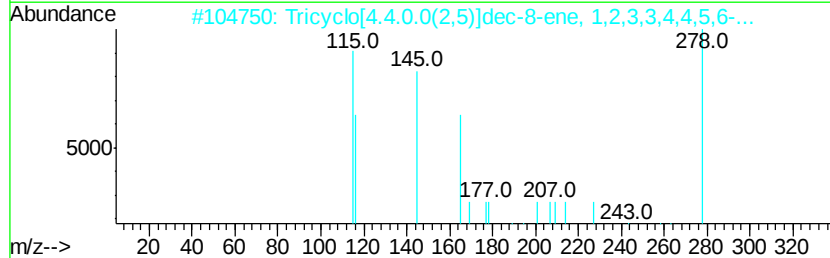
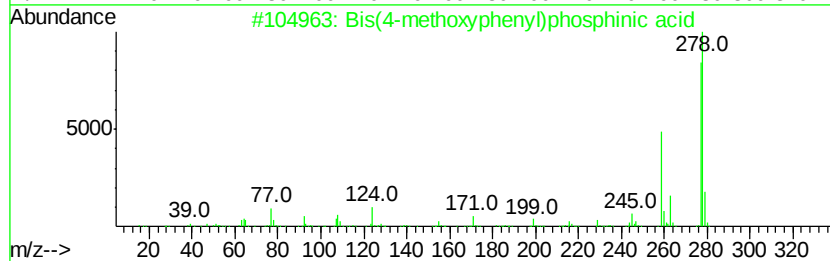
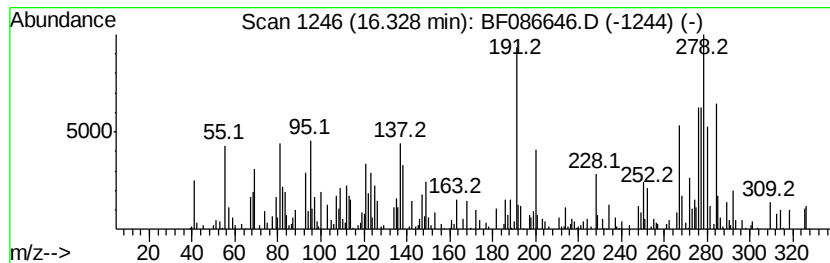
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown16.33 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	4.30 ng	206950	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bis(4-methoxyphenyl)phosphinic acid	278	C14H15O4P	020434-05-3	18
2		Tricyclo[4.4.0.0(2,5)]dec-8-ene,...	278	C10H6F8	077549-74-7	15
3		Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	15
4		6-Bromo-2,5-dimethoxy-4-nitroani...	276	C8H9BrN2O4	1000214-34-8	15
5		Amiphenazole	191	C9H9N3S	000490-55-1	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086646.D
Acq On : 3 May 2016 16:00
Operator : UM/SJ
Sample : H2685-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

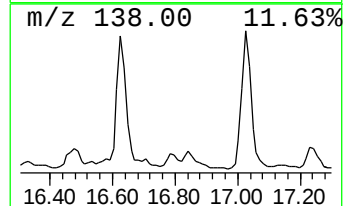
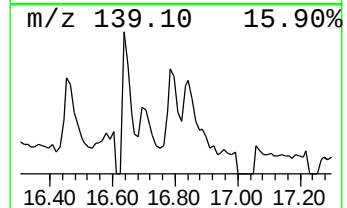
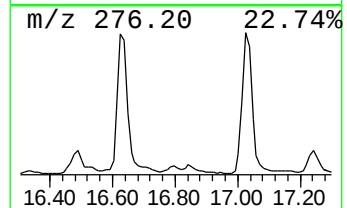
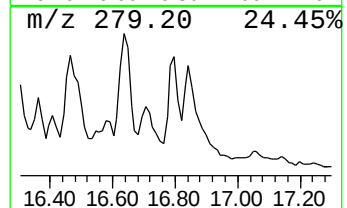
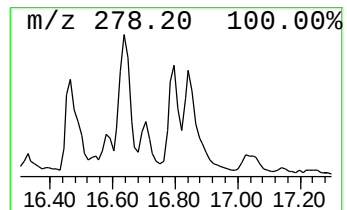
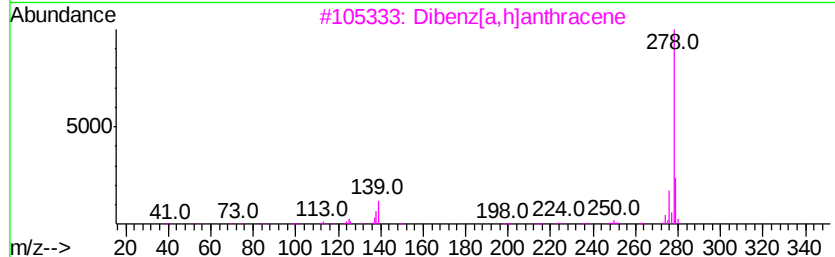
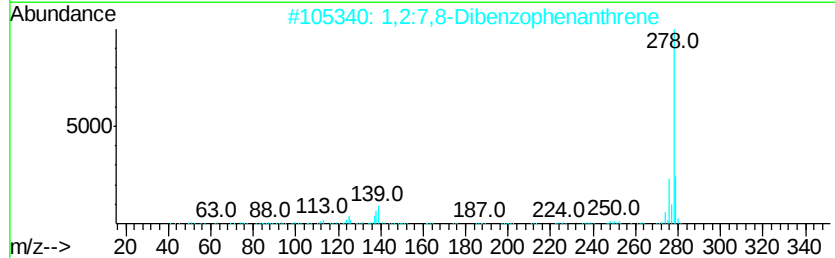
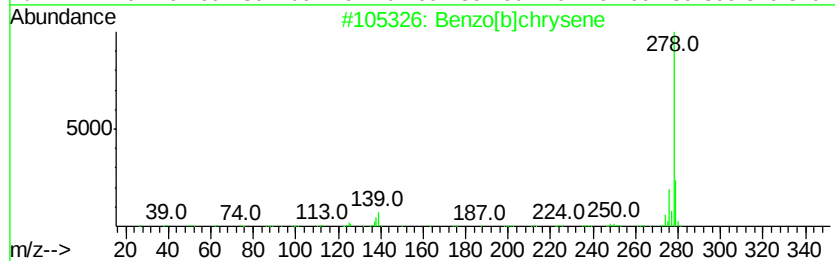
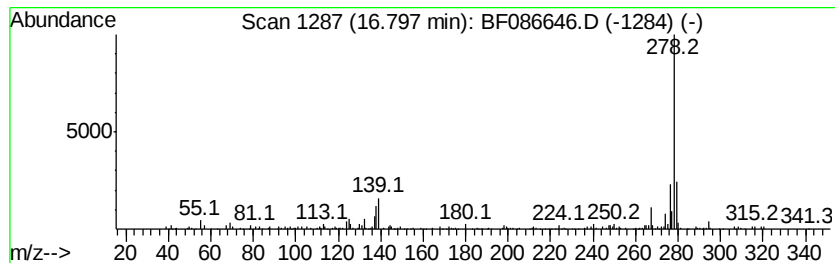
Instrument :
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ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.93 ng	188893	Perylene-d12	15.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[b]chrysene	278 C22H14	000214-17-5 98
2		1,2:7,8-Dibenzophenanthrene	278 C22H14	000213-46-7 98
3		Dibenz[a,h]anthracene	278 C22H14	000053-70-3 98
4		Benzo[a]naphthacene	278 C22H14	000226-88-0 97
5		Pentaphene	278 C22H14	000222-93-5 95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
 Data File : BF086646.D
 Acq On : 3 May 2016 16:00
 Operator : UM/SJ
 Sample : H2685-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-11(6-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.94	4.1 ng		247635	1	6.75	1208370	20.0
unknown6.52	6.52	94.7 ng		5721320	1	6.75	1208370	20.0
Cyclohexasiloxane...	8.58	4.0 ng		318566	2	8.04	1598240	20.0
unknown8.90	8.90	2.6 ng		205662	2	8.04	1598240	20.0
Phenanthrene, 1-m...	11.80	3.2 ng		795528	4	11.28	4916950	20.0
4H-Cyclopenta[def...	11.88	4.5 ng		1114020	4	11.28	4916950	20.0
Anthracene, 1-met...	12.63	2.6 ng		368124	5	13.91	2832650	20.0
Pyrene, 1-methyl-	13.04	4.3 ng		605380	5	13.91	2832650	20.0
Benzo[b]naphtho[2...	13.65	2.6 ng		363387	5	13.91	2832650	20.0
11H-Benzo[a]fluor...	13.76	3.2 ng		447046	5	13.91	2832650	20.0
9-Octadecenamide,...	14.66	3.5 ng		169801	6	15.30	962101	20.0
Benzo[a]pyrene, 4...	14.75	4.6 ng		220916	6	15.30	962101	20.0
Benzo[e]pyrene	15.19	19.0 ng		914483	6	15.30	962101	20.0
Hexadecane	15.73	3.1 ng		150059	6	15.30	962101	20.0
unknown16.33	16.33	4.3 ng		206950	6	15.30	962101	20.0
Benzo[b]chrysene	16.80	3.9 ng		188893	6	15.30	962101	20.0