

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088547.D
 Acq On : 30 Jun 2016 23:52
 Operator : UM/SJ
 Sample : H3663-06 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

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	1.873	23	25	38	rVB	2705867	4561582	63.74%	3.800%
2	4.970	294	296	299	rVB	344961	364694	5.10%	0.304%
3	5.393	331	333	336	rVB	1224588	1187723	16.60%	0.990%
4	6.433	421	424	426	rBV	1497715	1361054	19.02%	1.134%
5	6.570	434	436	439	rBV	1192547	1328574	18.56%	1.107%
6	6.810	455	457	459	rBV	1552381	1460955	20.41%	1.217%
7	6.970	468	471	472	rBV	1228203	1130028	15.79%	0.941%
8	7.370	503	506	508	rBV	1003817	870693	12.17%	0.725%
9	8.102	567	570	574	rBV2	2225343	3592295	50.19%	2.993%
10	8.810	629	632	634	rBV	600510	507404	7.09%	0.423%
11	8.902	638	640	643	rVB	249510	290055	4.05%	0.242%
12	9.176	661	664	666	rVB	1717482	1674057	23.39%	1.395%
13	9.565	697	698	701	rVV	291868	279132	3.90%	0.233%
14	9.851	720	723	724	rBV	2359206	2279491	31.85%	1.899%
15	9.885	724	726	727	rVV	1952979	1922222	26.86%	1.601%
16	10.045	738	740	742	rVB	560749	666391	9.31%	0.555%
17	10.388	768	770	773	rVB	944105	915544	12.79%	0.763%
18	10.456	773	776	777	rBV	196643	266205	3.72%	0.222%
19	10.628	787	791	793	rBV	1154354	1176972	16.45%	0.981%
20	10.754	797	802	806	rBV2	315829	467747	6.54%	0.390%
21	10.936	815	818	819	rBV3	172245	280448	3.92%	0.234%
22	11.131	833	835	837	rVB	413397	407343	5.69%	0.339%
23	11.188	837	840	841	rBV2	278601	336736	4.71%	0.281%
24	11.222	841	843	845	rVB	444202	415644	5.81%	0.346%
25	11.359	850	855	857	rBV2	4466173	7156814	100.00%	5.962%
26	11.405	857	859	860	rVV	1920316	1603160	22.40%	1.336%
27	11.428	860	861	863	rVB	332699	334308	4.67%	0.279%
28	11.554	869	872	874	rBV	1268175	1270702	17.76%	1.059%
29	11.828	893	896	897	rBV	750703	729351	10.19%	0.608%
30	11.851	897	898	901	rVB	949424	991580	13.86%	0.826%
31	11.897	901	902	904	rVB	330382	311978	4.36%	0.260%
32	11.942	904	906	909	rVB2	976695	1582880	22.12%	1.319%
33	12.022	909	913	917	rBV3	149622	402242	5.62%	0.335%
34	12.125	920	922	925	rVB2	438310	809861	11.32%	0.675%

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35	12.377	942	944	945 rBV	235087	287191	4.01%	0.239%
36	12.457	950	951	955 rVB2	261225	271651	3.80%	0.226%
37	12.548	955	959	961 rBV	4431954	6109088	85.36%	5.090%
38	12.685	967	971	975 rBV2	210170	420990	5.88%	0.351%
39	12.777	975	979	981 rBV2	3703316	6825443	95.37%	5.686%
40	12.811	981	982	985 rVB2	332682	326916	4.57%	0.272%
41	12.879	986	988	989 rBV	457009	409340	5.72%	0.341%
42	12.914	989	991	993 rVB	1272683	1497566	20.93%	1.248%
43	12.982	993	997	1001 rBV3	406547	889143	12.42%	0.741%
44	13.085	1001	1006	1008 rVB2	905015	1558197	21.77%	1.298%
45	13.154	1010	1012	1014 rBV	951401	895496	12.51%	0.746%
46	13.188	1014	1015	1016 rVV	582768	516375	7.22%	0.430%
47	13.222	1016	1018	1019 rVB	298109	374696	5.24%	0.312%
48	13.279	1022	1023	1025 rBV	273838	268287	3.75%	0.224%
49	13.314	1025	1026	1029 rVB2	320605	262971	3.67%	0.219%
50	13.451	1037	1038	1040 rBV2	139416	249501	3.49%	0.208%
51	13.508	1040	1043	1047 rVB3	200688	532973	7.45%	0.444%
52	13.588	1047	1050	1053 rBV2	399664	630661	8.81%	0.525%
53	13.702	1057	1060	1061 rBV	628440	749089	10.47%	0.624%
54	13.737	1061	1063	1064 rVV	447198	663009	9.26%	0.552%
55	13.760	1064	1065	1067 rVV2	374406	560561	7.83%	0.467%
56	13.794	1067	1068	1070 rVB	318717	402835	5.63%	0.336%
57	13.954	1078	1082	1084 rBV2	3030069	5945436	83.07%	4.953%
58	13.988	1084	1085	1088 rVB	2629208	2379317	33.25%	1.982%
59	14.068	1088	1092	1093 rBV	519845	802886	11.22%	0.669%
60	14.137	1097	1098	1100 rVV	451217	513051	7.17%	0.427%
61	14.171	1100	1101	1103 rVV	451088	507524	7.09%	0.423%
62	14.274	1107	1110	1112 rBV2	191093	412048	5.76%	0.343%
63	14.342	1114	1116	1117 rVV	603058	693043	9.68%	0.577%
64	14.377	1117	1119	1120 rVB2	309063	339721	4.75%	0.283%
65	14.434	1120	1124	1125 rBV3	438224	583488	8.15%	0.486%
66	14.480	1125	1128	1130 rVB3	508358	979034	13.68%	0.816%
67	14.537	1130	1133	1136 rVB4	229412	467201	6.53%	0.389%
68	14.640	1139	1142	1143 rBV	416872	482892	6.75%	0.402%
69	14.662	1143	1144	1147 rVB3	163563	246871	3.45%	0.206%
70	14.811	1154	1157	1161 rBV2	317993	580506	8.11%	0.484%
71	14.880	1161	1163	1165 rBV2	759190	857788	11.99%	0.715%

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72	14.983	1168	1172	1176	rBV	2576345	6520420	91.11%	5.432%
73	15.063	1176	1179	1181	rVV2	790583	1278808	17.87%	1.065%
74	15.097	1181	1182	1185	rVV2	524522	721473	10.08%	0.601%
75	15.165	1185	1188	1190	rVV2	151589	426445	5.96%	0.355%
76	15.200	1190	1191	1193	rVV	165094	256300	3.58%	0.214%
77	15.257	1193	1196	1198	rVV	1659335	2537029	35.45%	2.114%
78	15.325	1198	1202	1204	rVB	2085150	3533653	49.37%	2.944%
79	15.371	1204	1206	1207	rBV	1162765	1481185	20.70%	1.234%
80	15.405	1207	1209	1211	rVB2	907902	1359991	19.00%	1.133%
81	15.565	1216	1223	1230	rVV4	333272	2045585	28.58%	1.704%
82	15.657	1230	1231	1233	rVV	199477	271732	3.80%	0.226%
83	15.703	1233	1235	1238	rVV2	151903	259213	3.62%	0.216%
84	15.771	1238	1241	1242	rVV	144349	239671	3.35%	0.200%
85	15.817	1242	1245	1249	rVV3	341531	811457	11.34%	0.676%
86	15.885	1249	1251	1260	rVV2	307335	741278	10.36%	0.618%
87	16.206	1274	1279	1283	rVB4	93630	307811	4.30%	0.256%
88	16.308	1284	1288	1290	rBV2	129311	303621	4.24%	0.253%
89	16.560	1305	1310	1318	rBV3	351996	1368455	19.12%	1.140%
90	16.743	1319	1326	1328	rBV	1310406	3134523	43.80%	2.611%
91	16.788	1328	1330	1333	rVB	151483	257915	3.60%	0.215%
92	16.880	1333	1338	1341	rBV3	287881	709408	9.91%	0.591%
93	16.937	1341	1343	1346	rBV2	261175	518908	7.25%	0.432%
94	17.154	1356	1362	1368	rBV	1063362	2860116	39.96%	2.383%
95	17.291	1368	1374	1376	rVV5	193459	710715	9.93%	0.592%
96	17.348	1376	1379	1386	rVB2	456555	1129954	15.79%	0.941%
97	17.977	1429	1434	1437	rBV4	89435	244737	3.42%	0.204%
98	18.217	1449	1455	1465	rVB5	97243	491935	6.87%	0.410%
99	19.200	1533	1541	1548	rVB	277663	1137426	15.89%	0.948%
100	19.372	1549	1556	1560	rBV	224273	943369	13.18%	0.786%

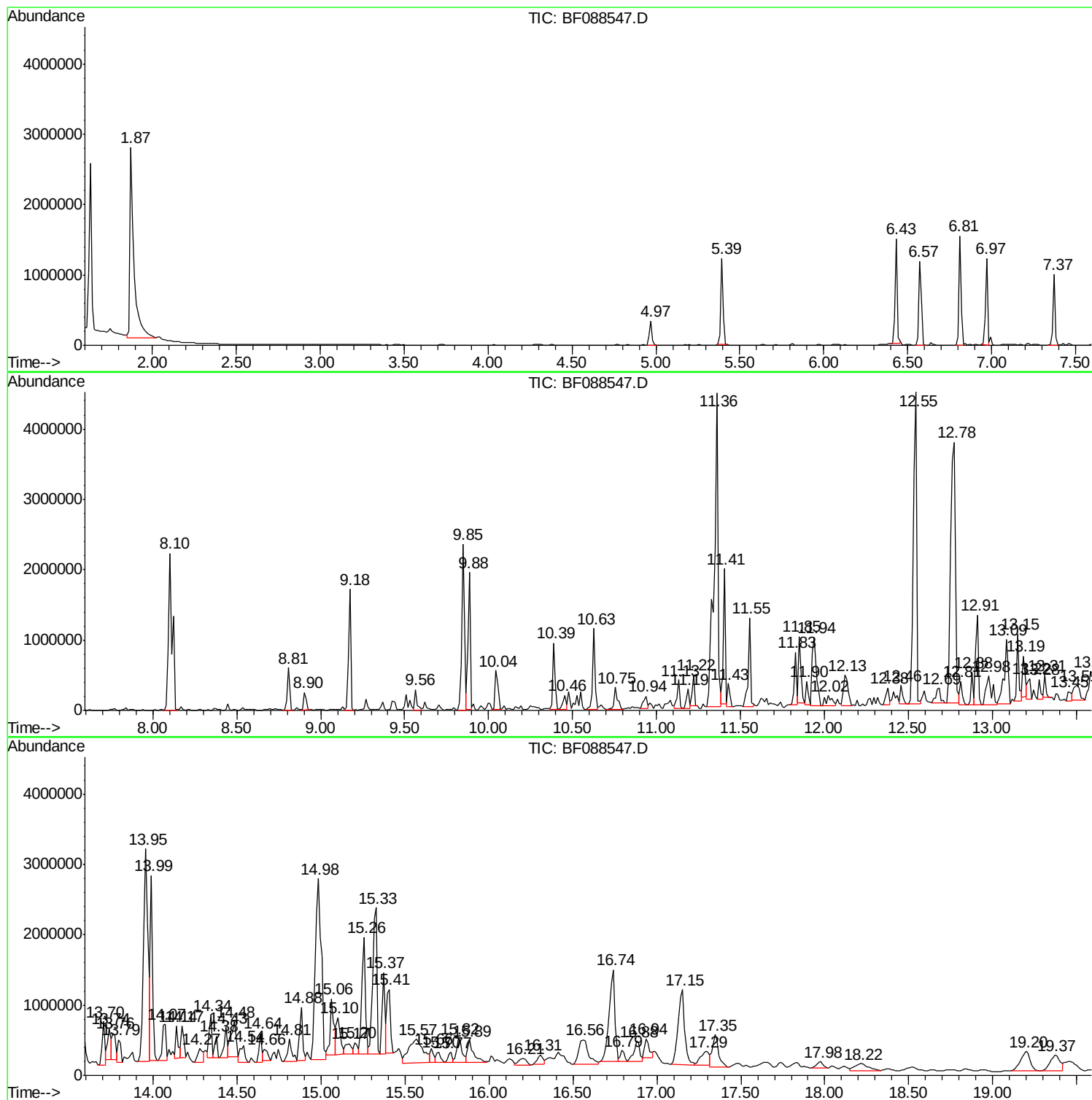
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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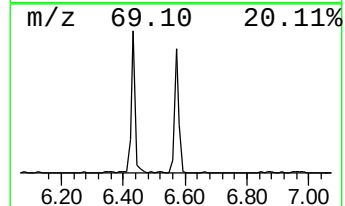
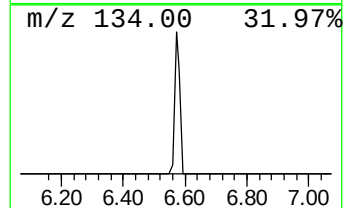
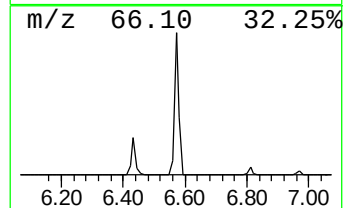
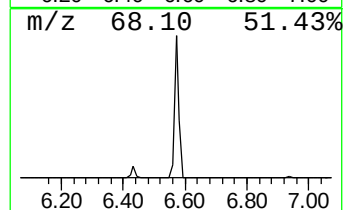
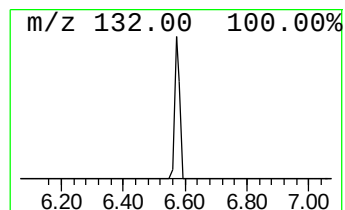
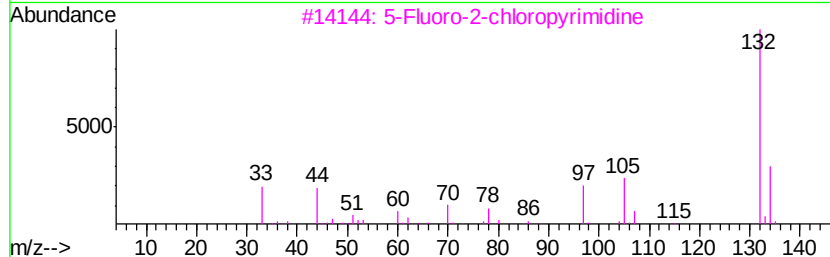
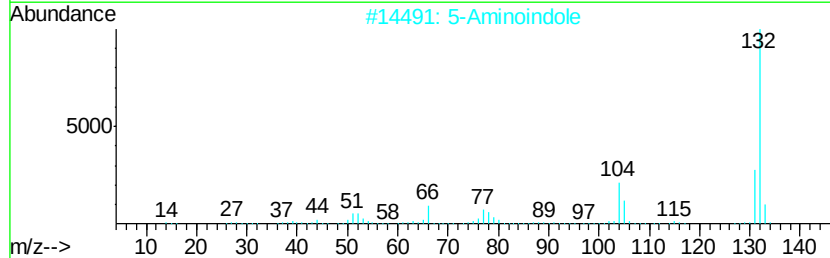
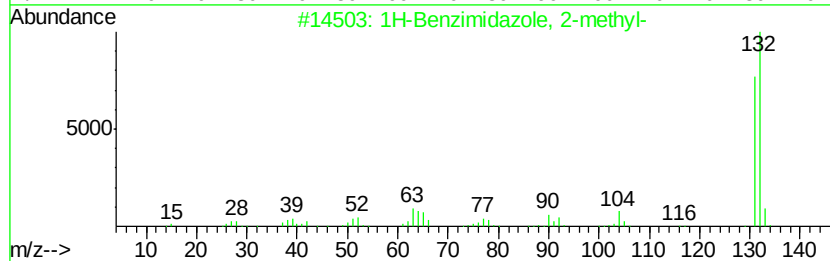
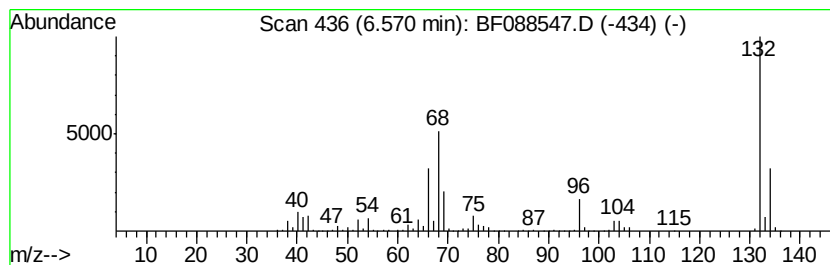
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	18.19 ng	1328570	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2		5-Aminoindole	132	C8H8N2	005192-03-0	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10



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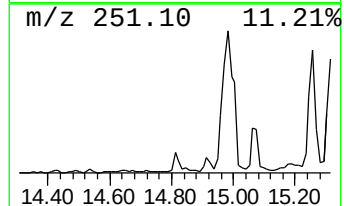
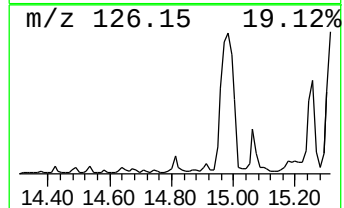
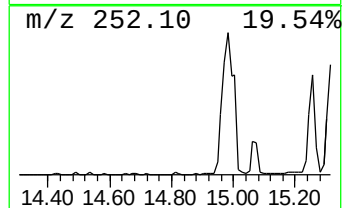
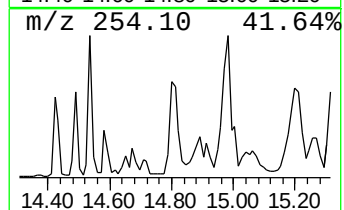
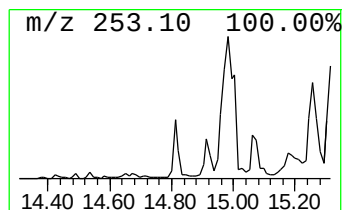
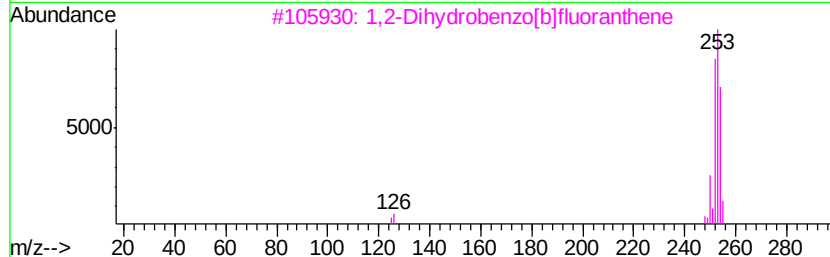
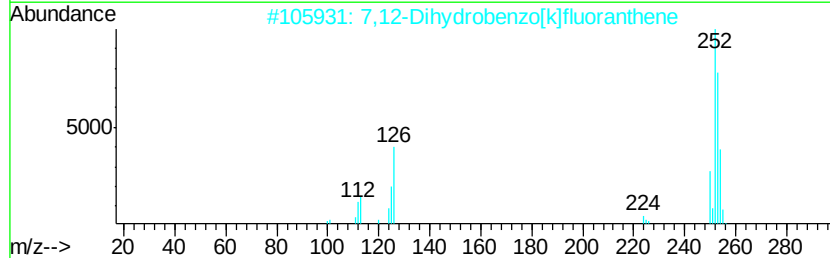
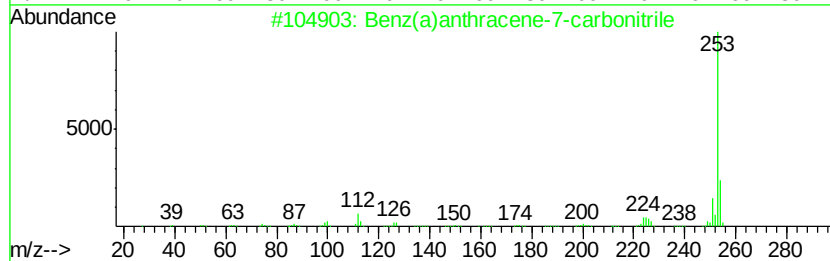
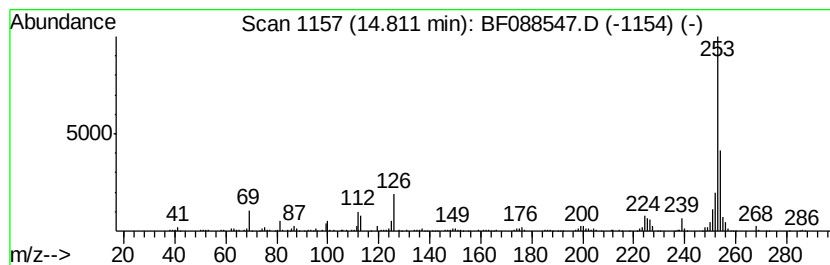
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benz(a)anthracene-7-carboni... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	7.84 ng	580506	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
2		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	50
3		1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	50
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	43
5		1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	43



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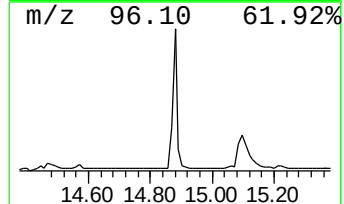
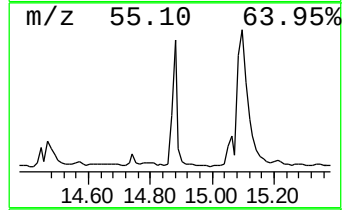
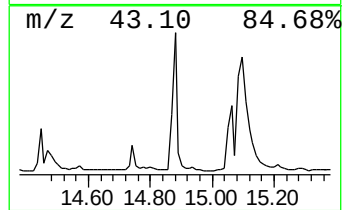
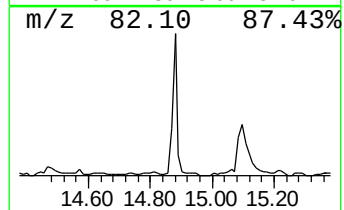
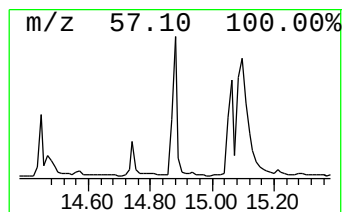
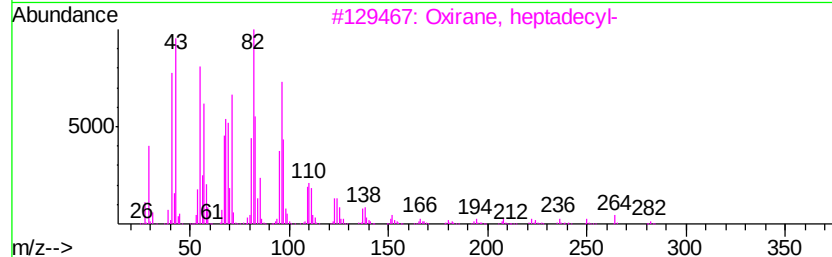
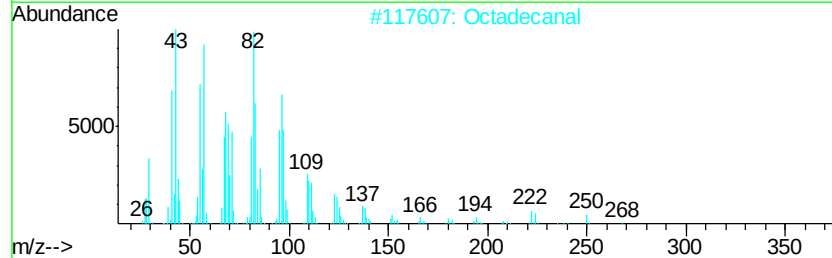
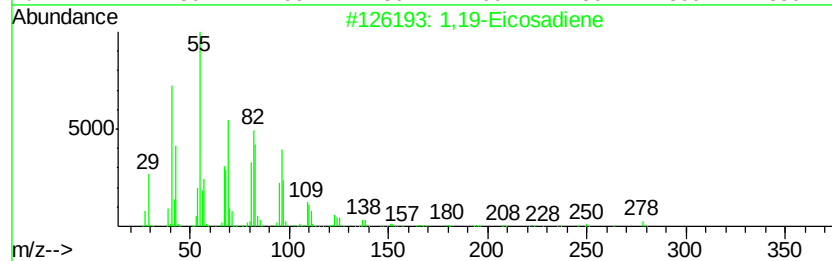
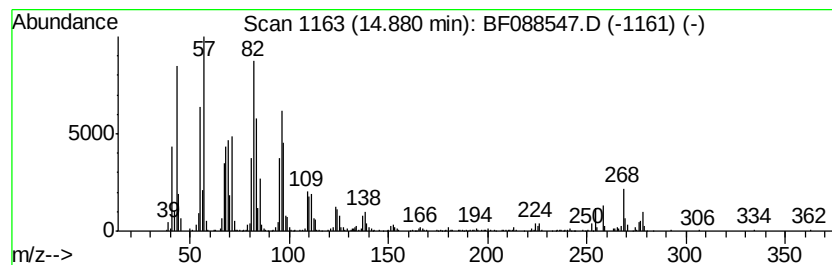
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Peak Number 5 1,19-Eicosadiene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.88	11.58 ng	857788	Perylene-d12	15.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	91
2	Octadecanal	268	C18H36O	000638-66-4	90
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
4	1,13-Tetradecadiene	194	C14H26	021964-49-8	83
5	16-Heptadecenal	252	C17H32O	1000144-57-9	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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Operator : UM/SJ
Sample : H3663-06 5X
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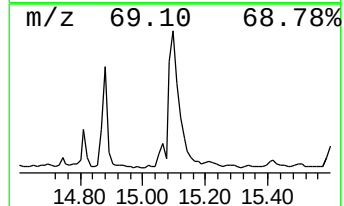
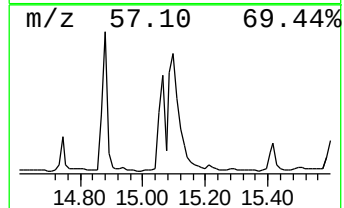
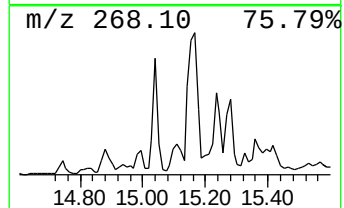
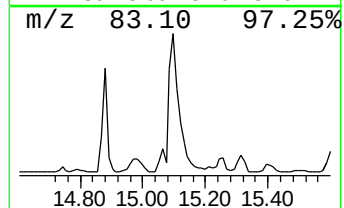
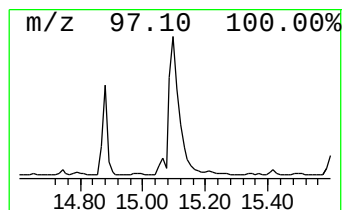
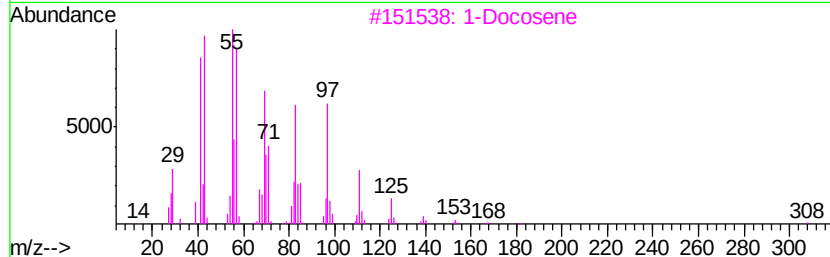
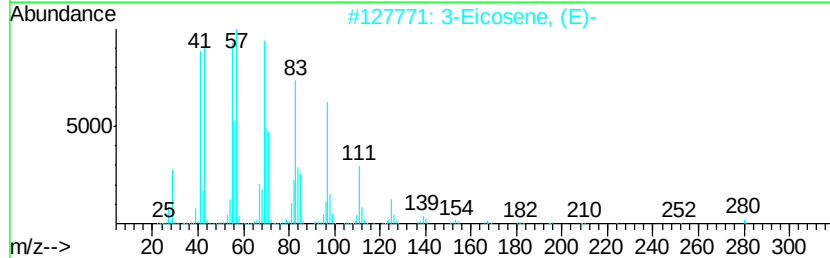
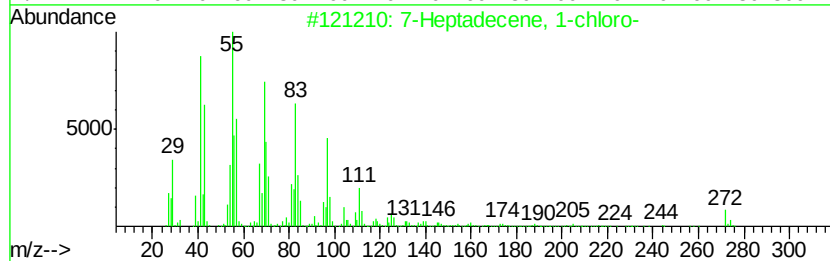
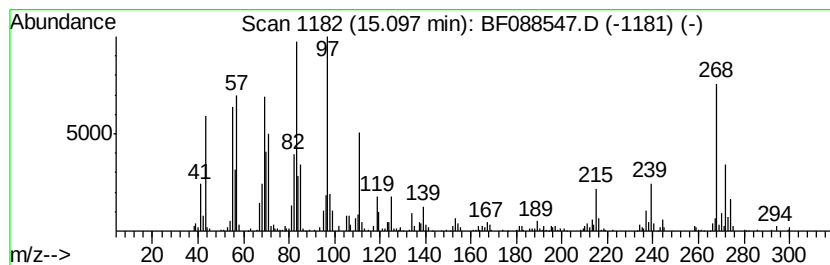
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 7-Heptadecene, 1-chloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.10	9.74 ng	721473	Perylene-d12	15.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	78
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	50
3	1-Docosene	308	C22H44	001599-67-3	50
4	1-Heneicosanol	312	C21H44O	015594-90-8	45
5	7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
Data File : BF088547.D
Acq On : 30 Jun 2016 23:52
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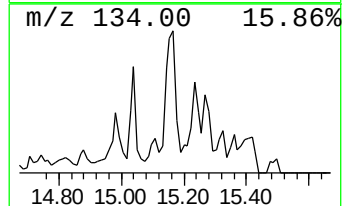
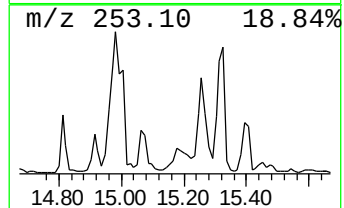
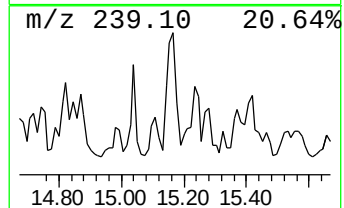
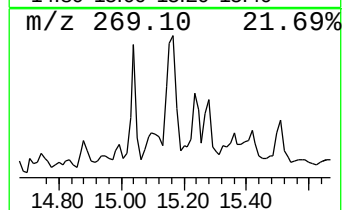
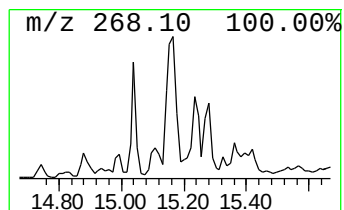
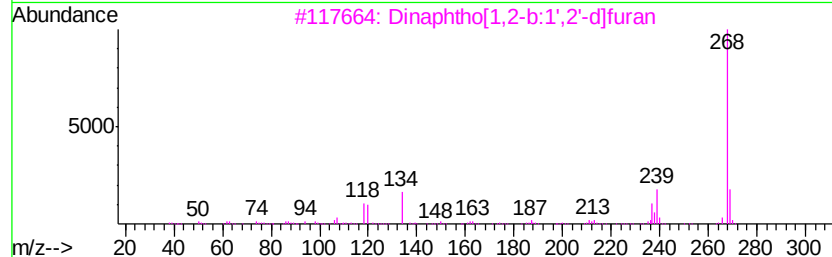
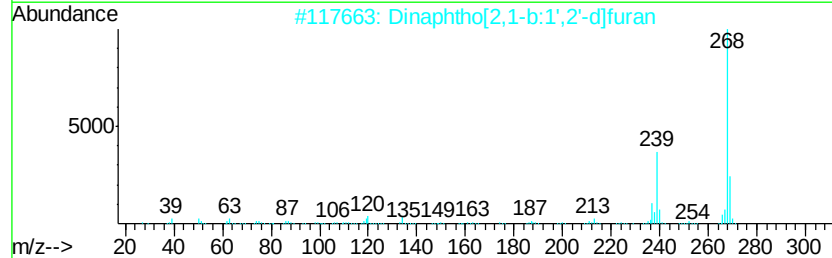
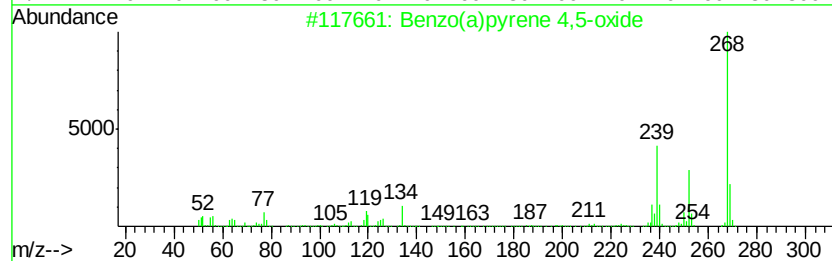
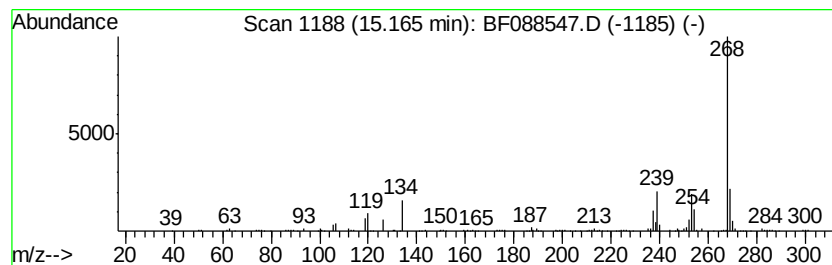
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo(a)pyrene 4,5-oxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.76 ng	426445	Perylene-d12	15.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	81
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	72
4		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	59
5		Naphthalene, 1-(2-naphthalenyl)me...	268	C21H16	000611-48-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
Data File : BF088547.D
Acq On : 30 Jun 2016 23:52
Operator : UM/SJ
Sample : H3663-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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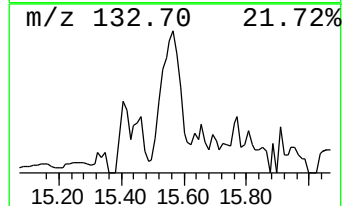
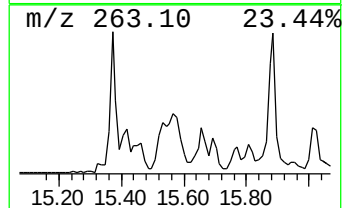
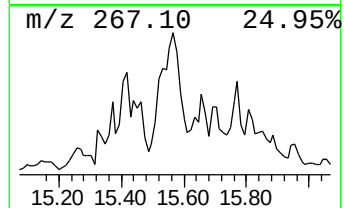
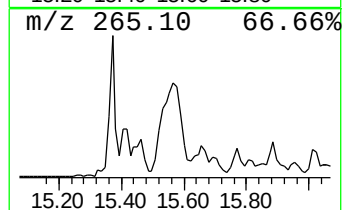
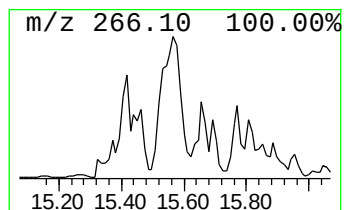
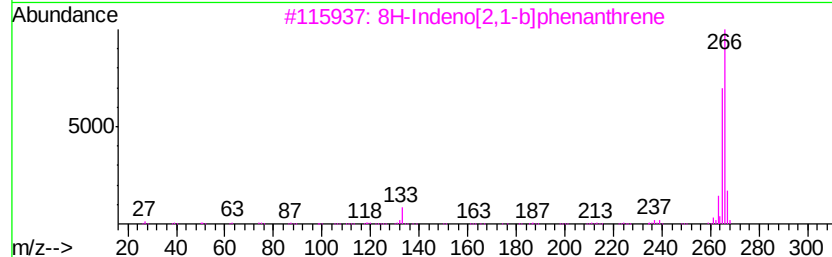
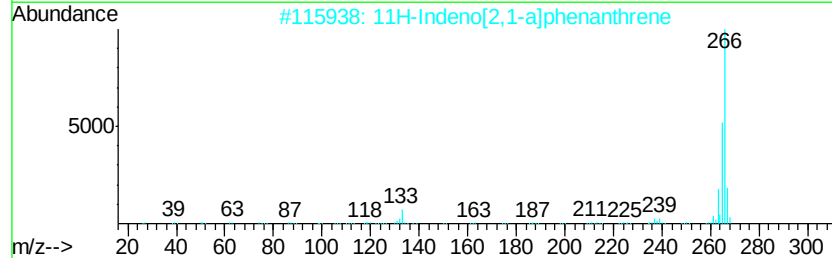
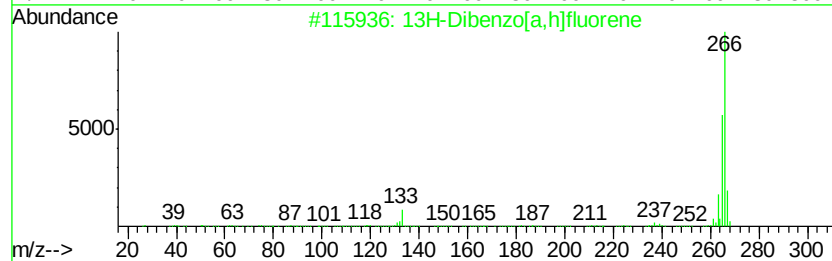
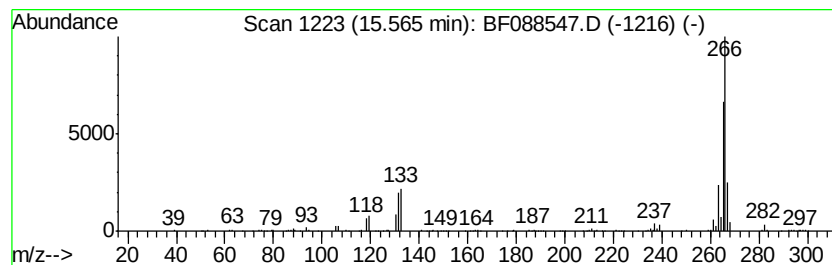
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 13H-Dibenzo[a,h]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	27.62 ng	2045590	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	95
2		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	95
3		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	70
4		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	58
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
Data File : BF088547.D
Acq On : 30 Jun 2016 23:52
Operator : UM/SJ
Sample : H3663-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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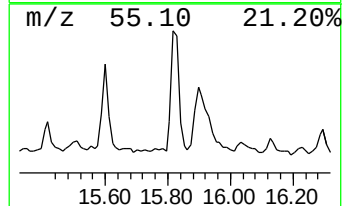
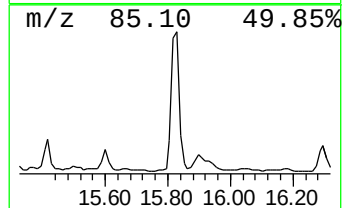
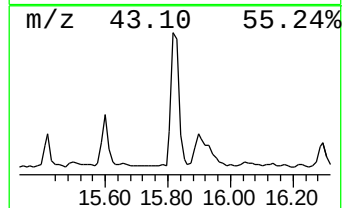
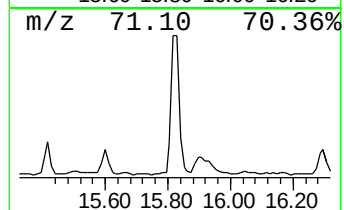
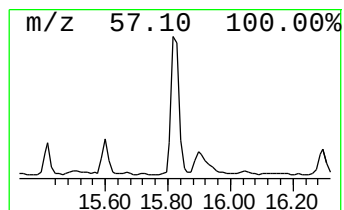
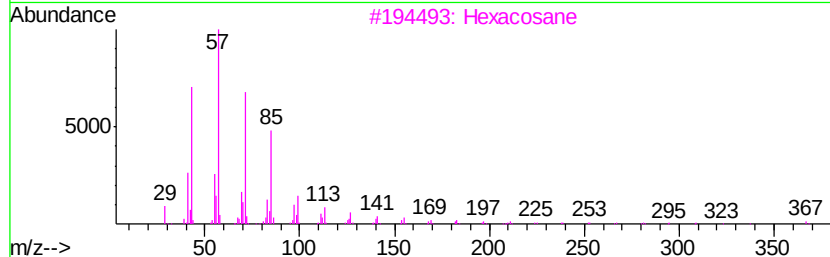
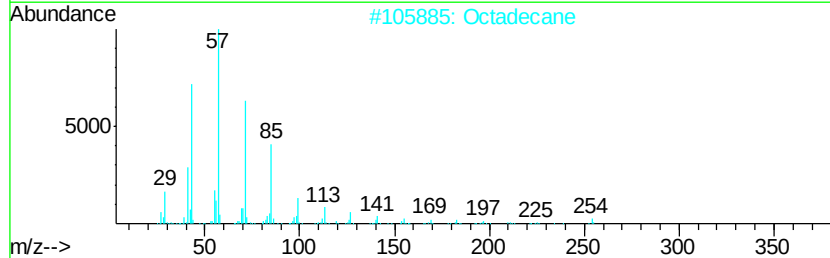
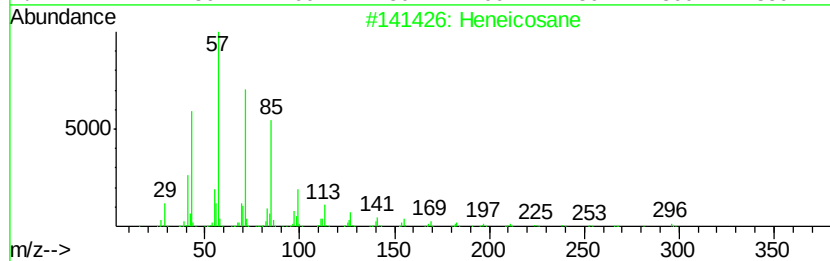
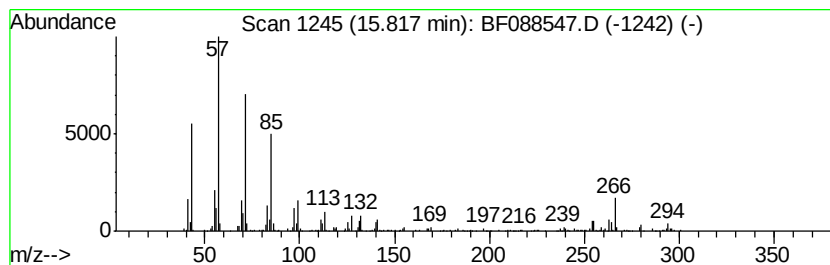
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	10.96 ng	811457	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	94
2		Octadecane	254	C18H38	000593-45-3	93
3		Hexacosane	366	C26H54	000630-01-3	76
4		Hexadecane	226	C16H34	000544-76-3	76
5		Octacosane	394	C28H58	000630-02-4	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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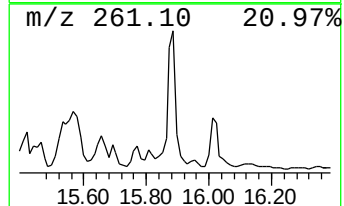
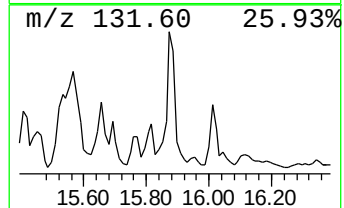
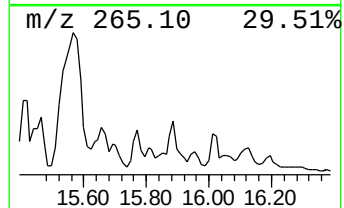
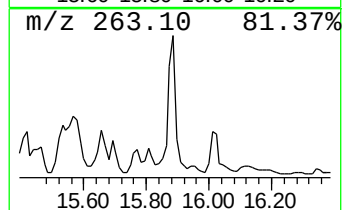
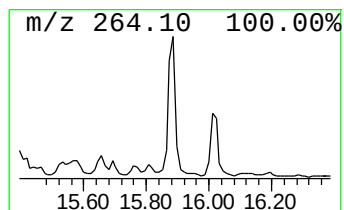
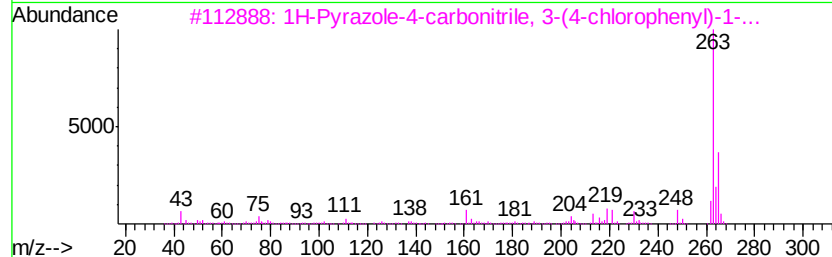
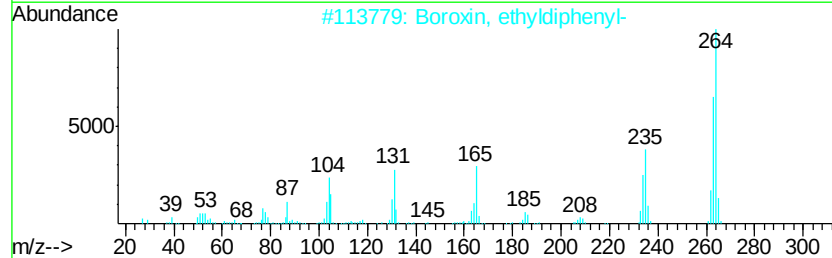
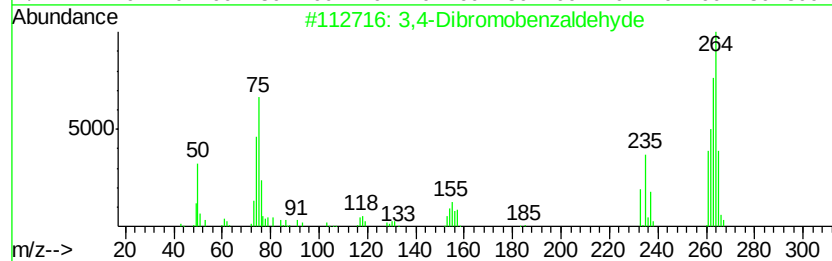
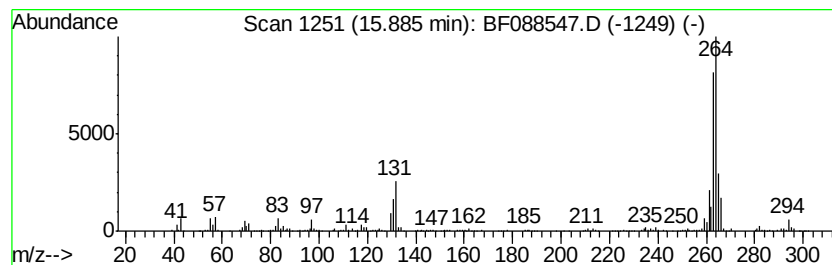
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 3,4-Dibromobenzaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.89	10.01 ng	741278	Perylene-d12	15.37		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	47
3		1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
4		N-Acetyl-L-phenylalanine, tert-b...	321	C17H27N3O3Si	1000332-87-7	25
5		2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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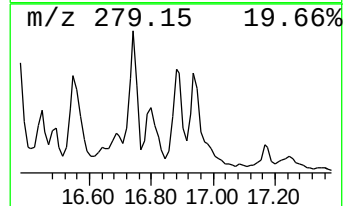
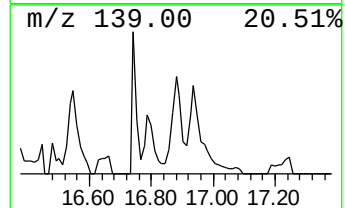
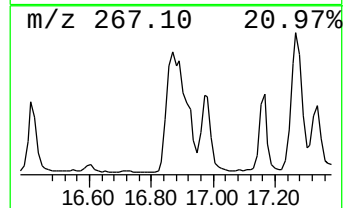
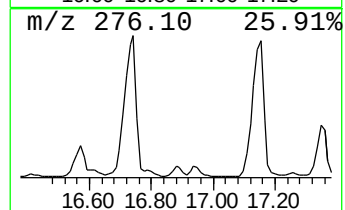
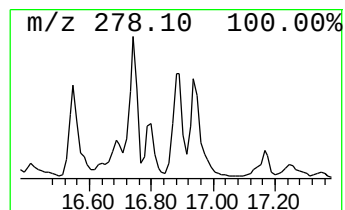
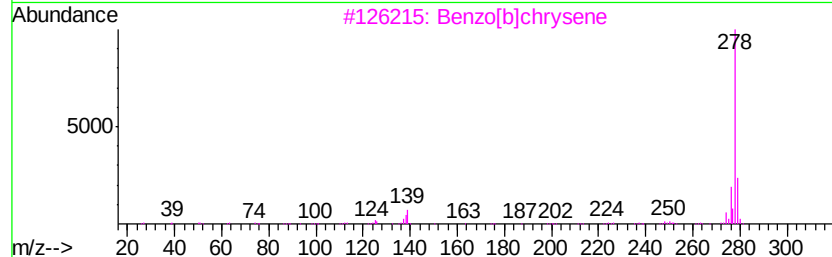
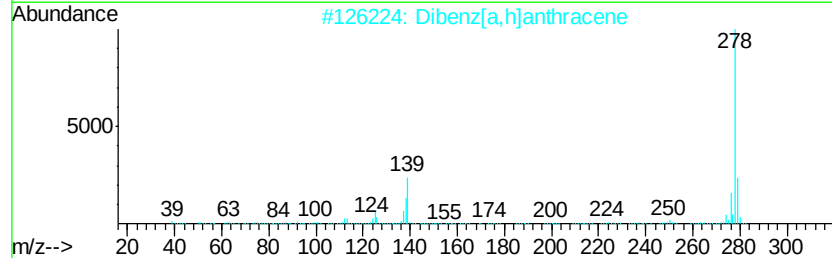
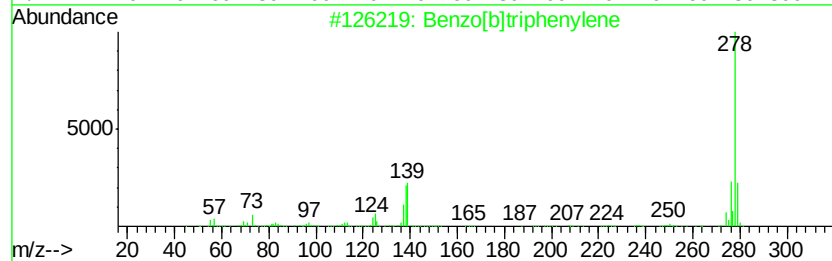
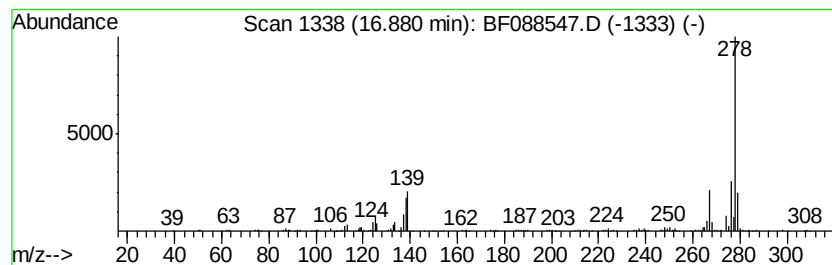
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	9.58 ng	709408	Perylene-d12	15.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3			Benzo[b]chrysene	278	C22H14	000214-17-5	92
4			Picene	278	C22H14	000213-46-7	91
5			Pentacene	278	C22H14	000135-48-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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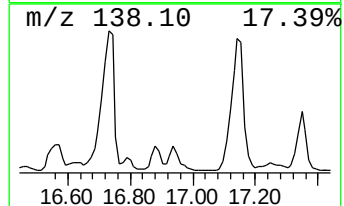
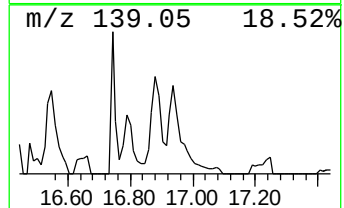
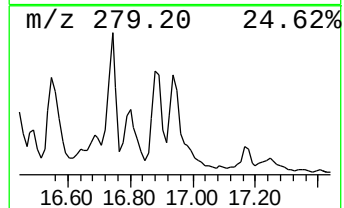
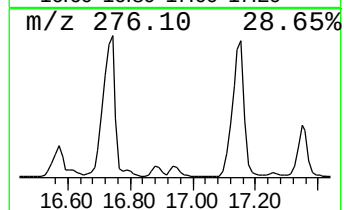
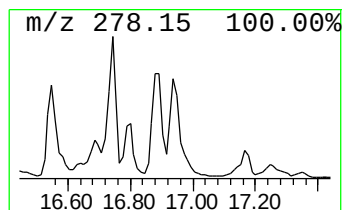
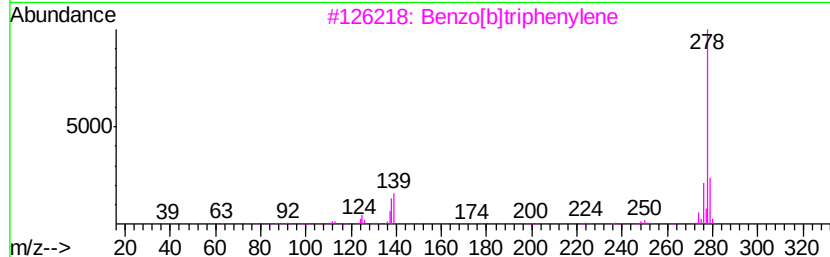
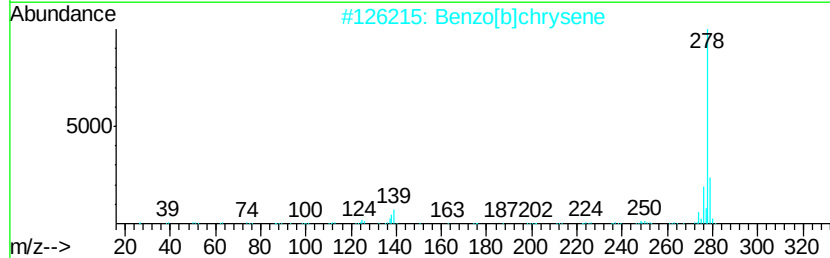
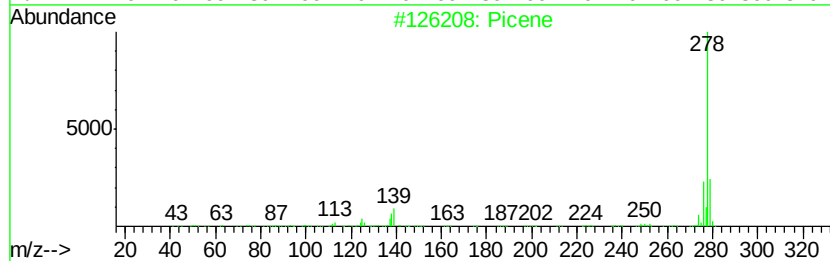
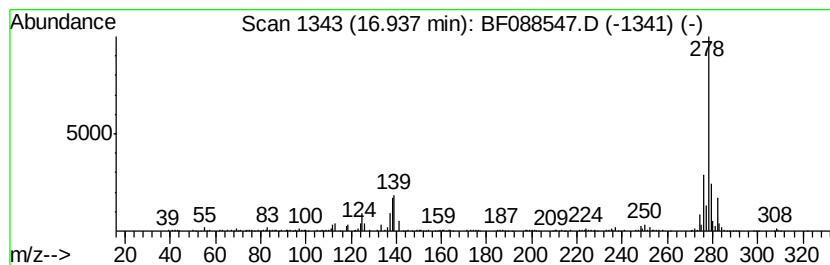
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Picene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	7.01 ng	518908	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	97
2		Benzo[b]chrysene	278	C22H14	000214-17-5	97
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5		Pentaphene	278	C22H14	000222-93-5	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
Data File : BF088547.D
Acq On : 30 Jun 2016 23:52
Operator : UM/SJ
Sample : H3663-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-4

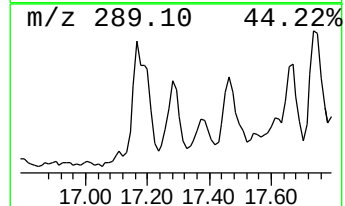
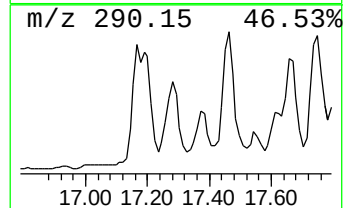
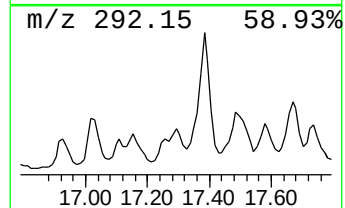
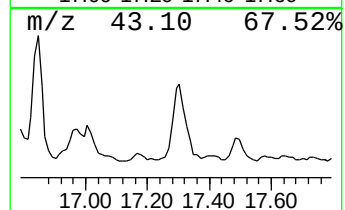
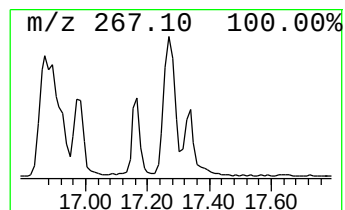
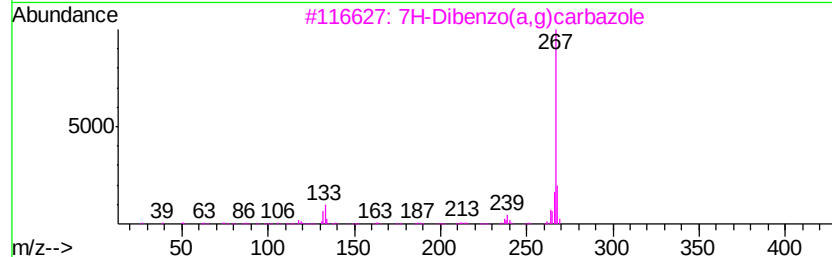
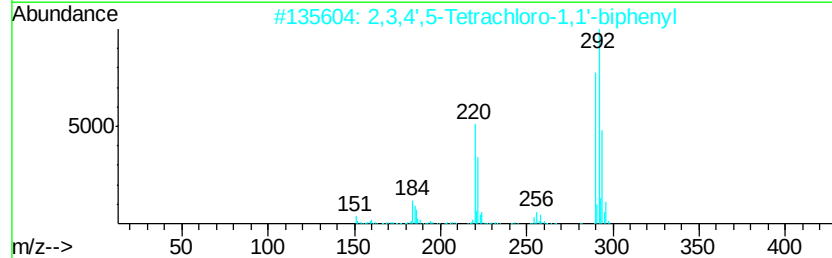
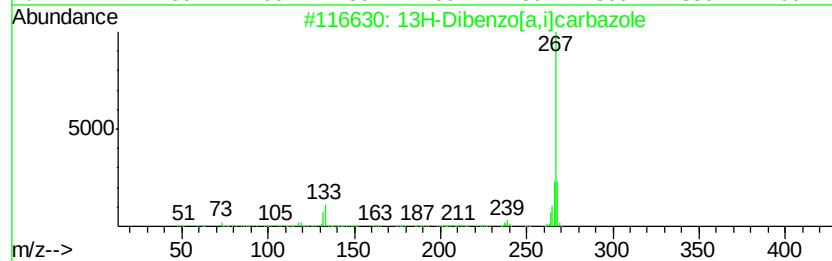
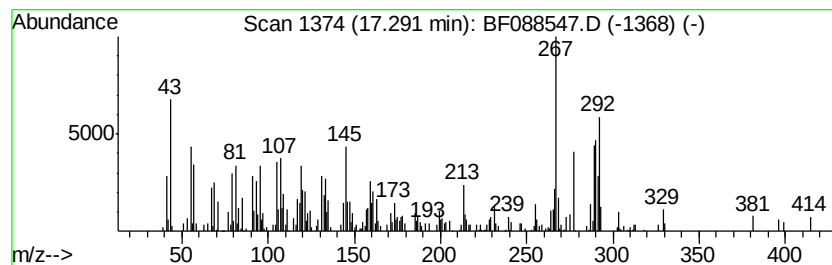
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	9.60 ng	710715	Perylene-d12	15.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	35
2			2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	25
3			7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	25
4			2-Amino-4-hydroxy-6-phenethyl pt...	267	C14H13N5O	004215-03-6	18
5			5H-Naphtho[2,3-c]carbazole	267	C20H13N	000198-96-9	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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Misc :
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ClientSampleId :
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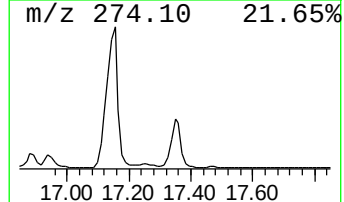
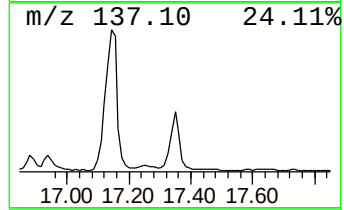
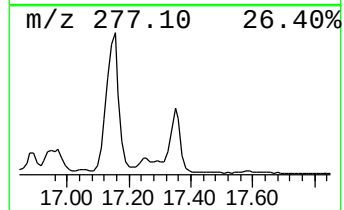
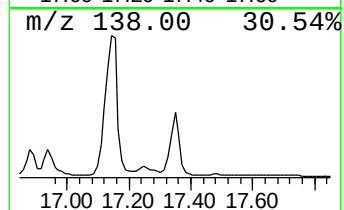
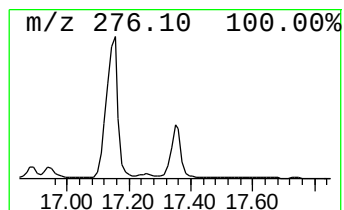
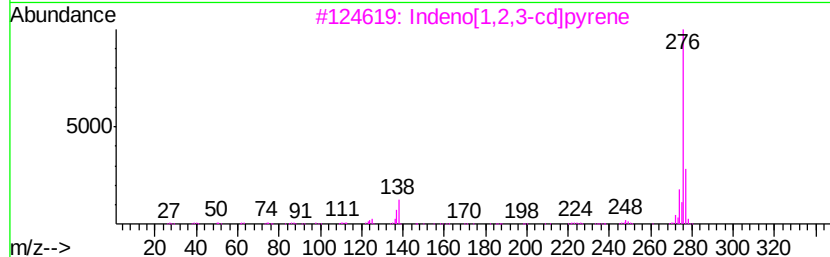
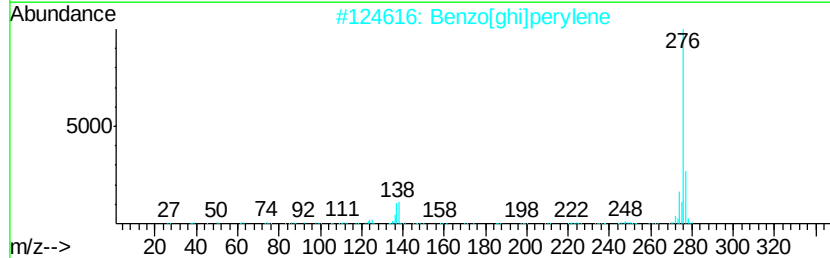
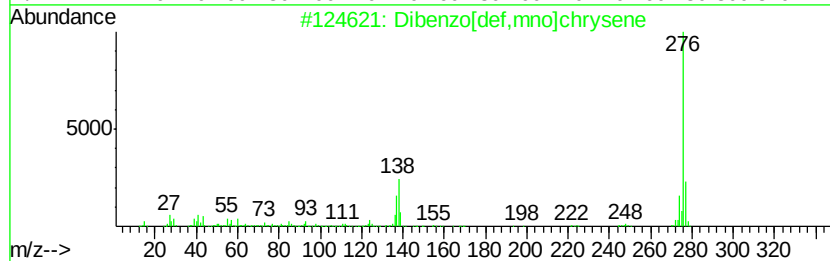
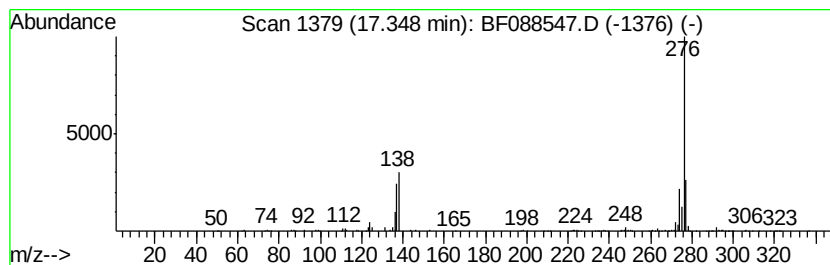
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	15.26 ng	1129950	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
Data File : BF088547.D
Acq On : 30 Jun 2016 23:52
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Sample : H3663-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

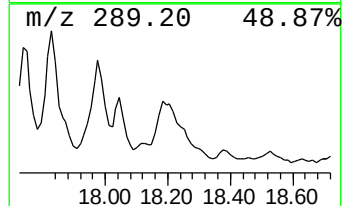
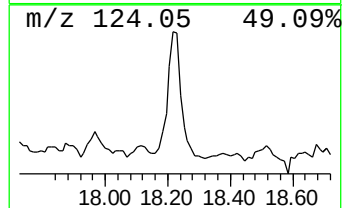
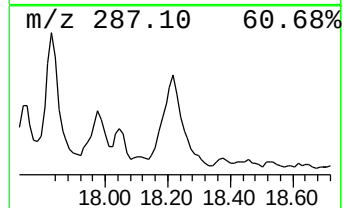
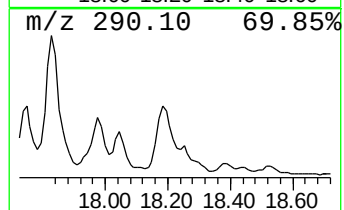
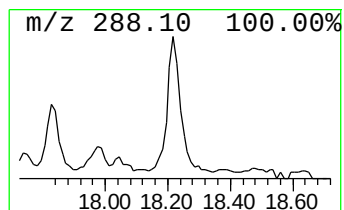
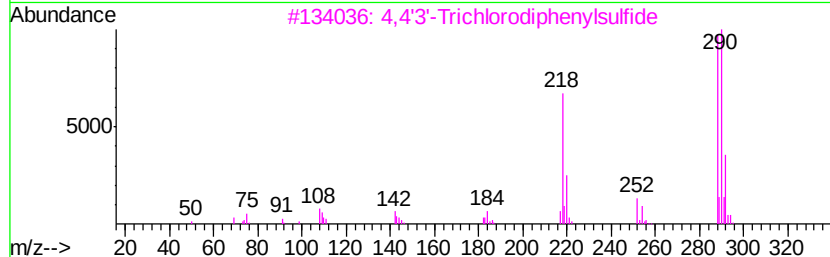
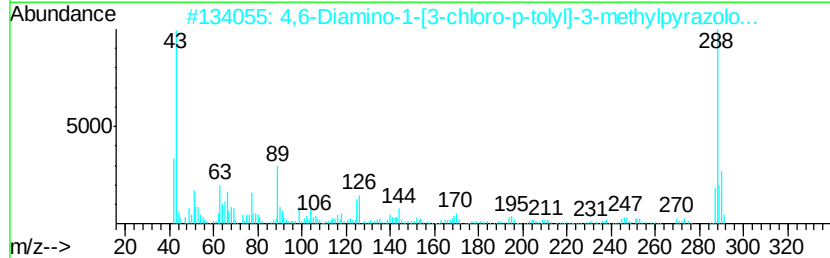
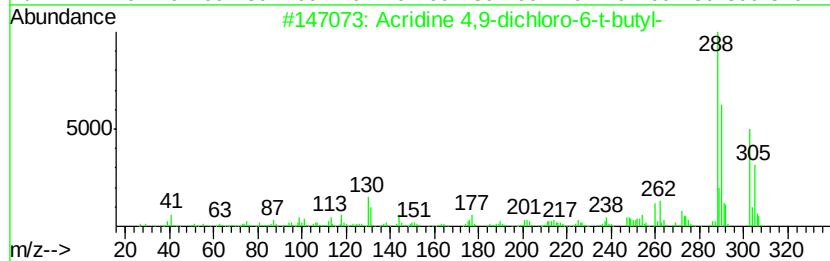
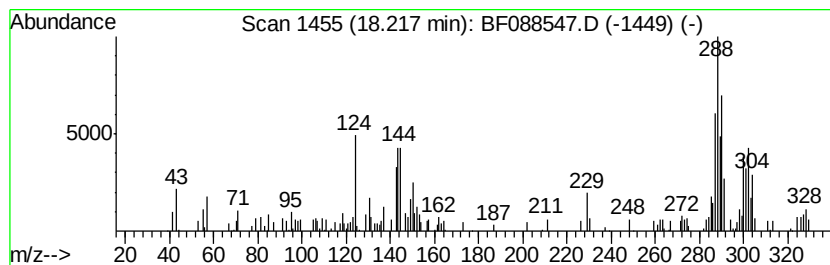
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown18.22 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.22	6.64 ng	491935	Perylene-d12	15.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine 4,9-dichloro-6-t-butyl-	303	C17H15Cl2N	1000163-66-2	25
2	4,6-Diamino-1-[3-chloro-p-tolyl]...	288	C13H13ClN6	058829-74-6	22
3	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	22
4	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	22
5	2,4-Diamino-6-[m-chlorobenzyl]-5...	289	C14H16ClN5	038048-39-4	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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Operator : UM/SJ
Sample : H3663-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-4

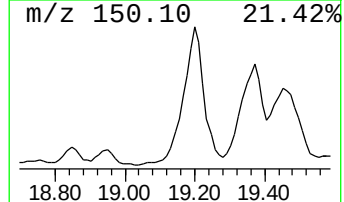
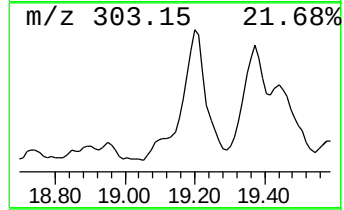
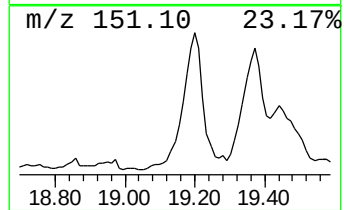
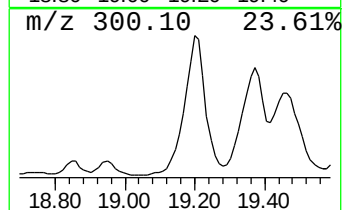
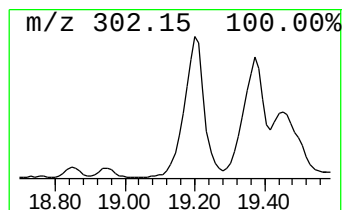
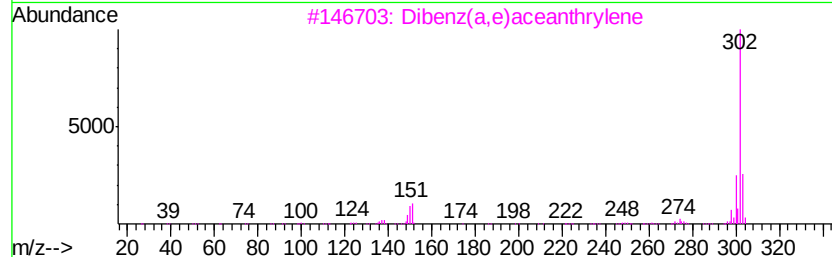
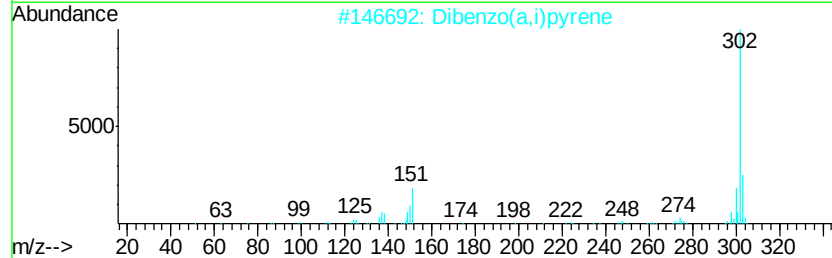
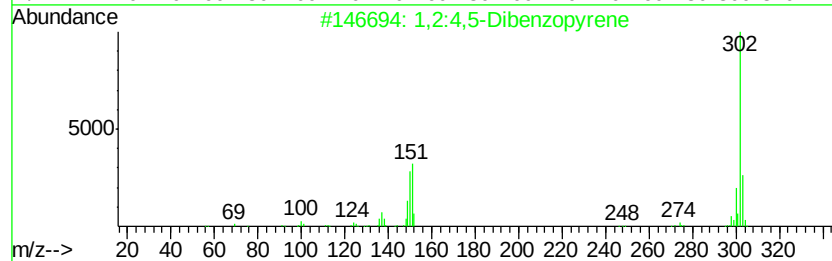
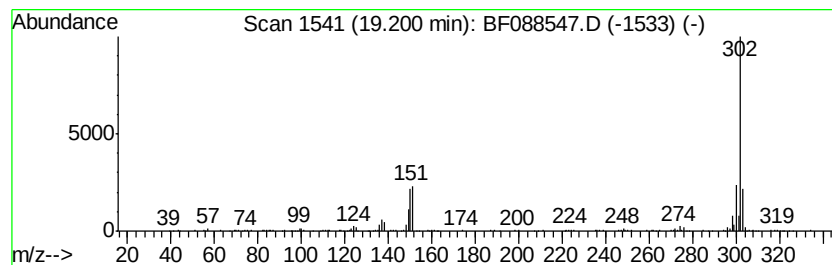
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	15.36 ng	1137430	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
2		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	89
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	87
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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Sample : H3663-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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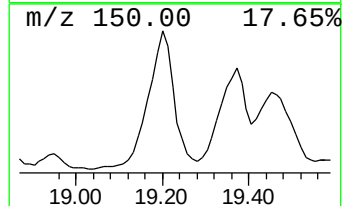
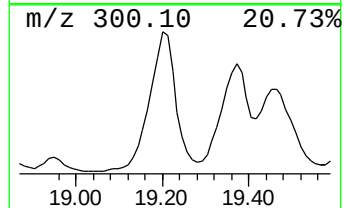
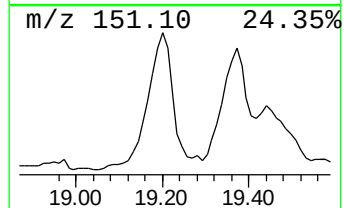
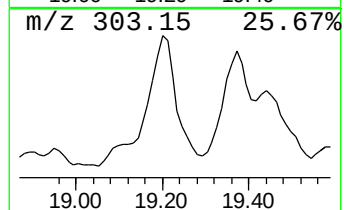
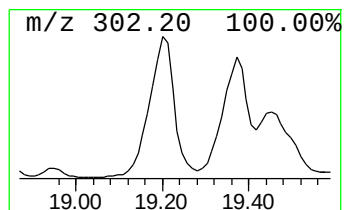
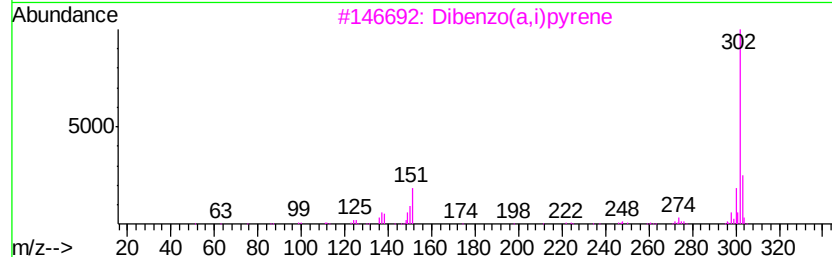
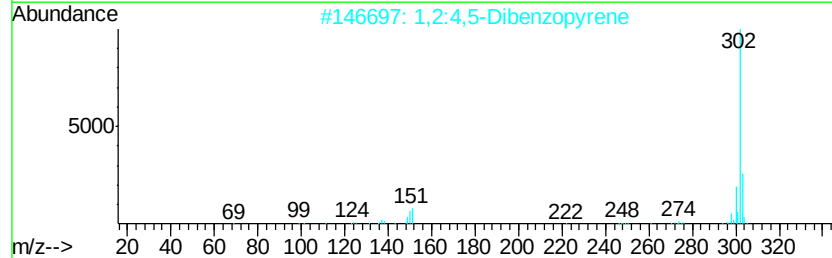
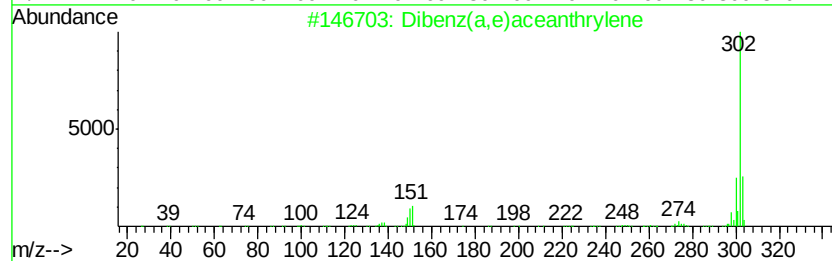
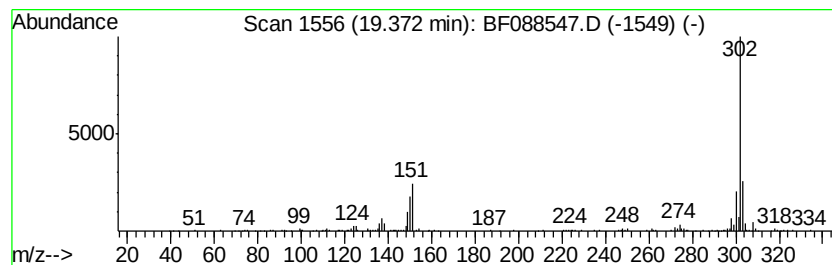
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	12.74 ng	943369	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	98
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
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 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benz(a)anthracene...	14.81	7.8	ng	580506	6	15.37	1481190	20.0
1,19-Eicosadiene	14.88	11.6	ng	857788	6	15.37	1481190	20.0
7-Heptadecene, 1-...	15.10	9.7	ng	721473	6	15.37	1481190	20.0
Benzo(a)pyrene 4,...	15.17	5.8	ng	426445	6	15.37	1481190	20.0
13H-Dibenzo[a,h]f...	15.57	27.6	ng	2045590	6	15.37	1481190	20.0
Heneicosane	15.82	11.0	ng	811457	6	15.37	1481190	20.0
3,4-Dibromobenzal...	15.89	10.0	ng	741278	6	15.37	1481190	20.0
Benzo[b]triphenylene	16.88	9.6	ng	709408	6	15.37	1481190	20.0
Picene	16.94	7.0	ng	518908	6	15.37	1481190	20.0
unknown17.29	17.29	9.6	ng	710715	6	15.37	1481190	20.0
Dibenzo[def,mno]c...	17.35	15.3	ng	1129950	6	15.37	1481190	20.0
unknown18.22	18.22	6.6	ng	491935	6	15.37	1481190	20.0
1,2:4,5-Dibenzopy...	19.20	15.4	ng	1137430	6	15.37	1481190	20.0
Dibenz(a,e)aceant...	19.37	12.7	ng	943369	6	15.37	1481190	20.0