

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083538.D
 Acq On : 7 Dec 2015 2:17
 Operator : UM/IZ
 Sample : G4614-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S35-15.5

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-BF120415.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	3.573	163	165	180	rVB	720007	1609393	24.46%	1.474%
2	4.018	201	204	218	rVB	4204632	6204757	94.31%	5.681%
3	5.299	313	316	324	rBV	4263200	6579344	100.00%	6.024%
4	5.424	324	327	330	rBV	3987493	6128744	93.15%	5.612%
5	5.733	351	354	361	rBV	971874	1190152	18.09%	1.090%
6	5.950	370	373	376	rBV	3561245	4423527	67.23%	4.050%
7	6.407	411	413	423	rVB	161234	314946	4.79%	0.288%
8	6.567	423	427	429	rBV	2656400	4201447	63.86%	3.847%
9	6.842	447	451	461	rBV	79361	188012	2.86%	0.172%
10	7.630	518	520	522	rVV	1241000	1574605	23.93%	1.442%
11	7.664	522	523	527	rVB	217066	234896	3.57%	0.215%
12	9.379	669	673	676	rBV	3907544	5619586	85.41%	5.145%
13	9.665	694	698	702	rBV2	77146	164461	2.50%	0.151%
14	10.065	730	733	736	rBV	1317475	1619883	24.62%	1.483%
15	10.419	761	764	766	rBV2	1181059	1698065	25.81%	1.555%
16	10.476	766	769	772	rVB	721946	1096348	16.66%	1.004%
17	10.762	790	794	798	rBV	220767	343400	5.22%	0.314%
18	11.265	835	838	840	rBV2	111647	206052	3.13%	0.189%
19	11.311	840	842	847	rVB	628574	788415	11.98%	0.722%
20	11.413	847	851	853	rBV2	119118	328306	4.99%	0.301%
21	11.448	853	854	856	rVB2	138737	144958	2.20%	0.133%
22	11.585	864	866	868	rBV	161458	219177	3.33%	0.201%
23	11.711	874	877	881	rBV2	2502369	3763341	57.20%	3.446%
24	11.779	881	883	886	rVB3	89305	172817	2.63%	0.158%
25	12.042	901	906	909	rBV2	154152	443490	6.74%	0.406%
26	12.214	918	921	922	rBV	135858	254789	3.87%	0.233%
27	12.248	922	924	927	rVB3	120776	158616	2.41%	0.145%
28	12.442	938	941	942	rBV2	113922	181881	2.76%	0.167%
29	12.602	952	955	957	rBV2	159551	318630	4.84%	0.292%
30	12.648	957	959	961	rVB	186270	269989	4.10%	0.247%
31	12.774	967	970	971	rBV3	97450	151232	2.30%	0.138%
32	12.819	971	974	975	rVV	1100089	1418806	21.56%	1.299%
33	12.865	975	978	980	rVB	2647130	3976220	60.43%	3.641%
34	12.934	980	984	987	rBV	726152	1143414	17.38%	1.047%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.242	1004	1011	1013	rBV3	254255	840572	12.78%	0.770%
36	13.334	1016	1019	1020	rBV2	134516	214874	3.27%	0.197%
37	13.471	1029	1031	1032	rBV2	106519	146914	2.23%	0.135%
38	13.654	1044	1047	1048	rBV	393827	666719	10.13%	0.610%
39	13.688	1048	1050	1053	rVV	431574	714482	10.86%	0.654%
40	13.768	1055	1057	1059	rVV	291127	475317	7.22%	0.435%
41	13.814	1059	1061	1064	rVV2	749622	1442023	21.92%	1.320%
42	13.894	1066	1068	1071	rVB2	357006	601199	9.14%	0.550%
43	14.157	1089	1091	1096	rVB3	972406	1647223	25.04%	1.508%
44	14.557	1123	1126	1129	rVB2	315161	627089	9.53%	0.574%
45	14.614	1129	1131	1133	rVV2	153601	268354	4.08%	0.246%
46	14.694	1136	1138	1143	rVB4	210837	485021	7.37%	0.444%
47	14.797	1143	1147	1150	rBV	2971462	4971183	75.56%	4.552%
48	14.911	1154	1157	1159	rBV2	281885	475527	7.23%	0.435%
49	14.991	1162	1164	1165	rBV	112773	145681	2.21%	0.133%
50	15.014	1165	1166	1171	rVB3	154420	327391	4.98%	0.300%
51	15.151	1174	1178	1181	rBV	3451517	4990772	75.86%	4.570%
52	15.242	1184	1186	1188	rBV2	132660	215225	3.27%	0.197%
53	15.300	1188	1191	1195	rVB3	254087	614135	9.33%	0.562%
54	15.380	1195	1198	1200	rBV3	415486	763315	11.60%	0.699%
55	15.460	1200	1205	1207	rVB	2351742	3759951	57.15%	3.443%
56	15.540	1209	1212	1214	rVB	164429	259570	3.95%	0.238%
57	15.585	1214	1216	1219	rVB2	89081	144545	2.20%	0.132%
58	15.654	1219	1222	1224	rBV2	310657	583007	8.86%	0.534%
59	15.700	1224	1226	1229	rVB	483644	784296	11.92%	0.718%
60	15.814	1233	1236	1238	rVB	513896	705219	10.72%	0.646%
61	15.860	1238	1240	1244	rBV3	290853	718042	10.91%	0.657%
62	16.008	1251	1253	1255	rVB	147960	186233	2.83%	0.171%
63	16.054	1255	1257	1259	rBV	142357	166718	2.53%	0.153%
64	16.202	1267	1270	1272	rVB	382047	543782	8.26%	0.498%
65	16.260	1272	1275	1279	rVB2	168734	351932	5.35%	0.322%
66	16.340	1279	1282	1285	rBV3	192936	509199	7.74%	0.466%
67	16.442	1289	1291	1293	rBV2	171520	252054	3.83%	0.231%
68	16.477	1293	1294	1296	rBV2	96097	160780	2.44%	0.147%
69	16.660	1308	1310	1311	rBV	193838	259366	3.94%	0.237%
70	16.694	1311	1313	1318	rVB3	207006	518346	7.88%	0.475%
71	16.774	1318	1320	1322	rBV2	138772	242675	3.69%	0.222%

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72	16.980	1334	1338	1339	rBV2	426592	981708	14.92%	0.899%
73	17.014	1339	1341	1343	rVV2	1783124	3119883	47.42%	2.857%
74	17.060	1343	1345	1347	rVV	1455038	1990707	30.26%	1.823%
75	17.151	1351	1353	1356	rVB	288317	327576	4.98%	0.300%
76	17.300	1364	1366	1369	rVB2	161367	218176	3.32%	0.200%
77	17.345	1369	1370	1372	rBV	130709	188435	2.86%	0.173%
78	17.391	1372	1374	1376	rVB	205781	250086	3.80%	0.229%
79	17.494	1381	1383	1385	rBV2	117429	241076	3.66%	0.221%
80	17.540	1385	1387	1389	rVV	356564	474275	7.21%	0.434%
81	17.585	1389	1391	1392	rVV2	137118	180128	2.74%	0.165%
82	17.654	1395	1397	1399	rVV2	207776	325715	4.95%	0.298%
83	17.768	1403	1407	1414	rVB3	294467	741877	11.28%	0.679%
84	17.940	1420	1422	1425	rVB2	154342	204296	3.11%	0.187%
85	18.123	1436	1438	1441	rVB	235503	289042	4.39%	0.265%
86	18.271	1448	1451	1457	rBV	1353754	2882473	43.81%	2.639%
87	18.374	1459	1460	1462	rVB	252753	248417	3.78%	0.227%
88	18.454	1464	1467	1470	rVV3	530175	1085324	16.50%	0.994%
89	18.546	1473	1475	1478	rVV	722754	964700	14.66%	0.883%
90	18.603	1478	1480	1482	rVV	1012362	1337731	20.33%	1.225%
91	18.648	1482	1484	1489	rVB2	711819	1094238	16.63%	1.002%
92	18.923	1506	1508	1515	rVB2	272119	572573	8.70%	0.524%
93	19.117	1523	1525	1527	rBV3	148047	234695	3.57%	0.215%
94	19.414	1548	1551	1555	rVB5	101887	209740	3.19%	0.192%
95	19.757	1577	1581	1584	rVB4	150569	365309	5.55%	0.334%
96	19.894	1590	1593	1597	rBV	500984	950643	14.45%	0.870%
97	20.043	1603	1606	1608	rBV	96846	207038	3.15%	0.190%
98	20.249	1621	1624	1628	rBV	373865	725454	11.03%	0.664%
99	20.466	1640	1643	1651	rVB2	172988	497385	7.56%	0.455%
100	20.751	1665	1668	1673	rVB3	151586	395737	6.01%	0.362%

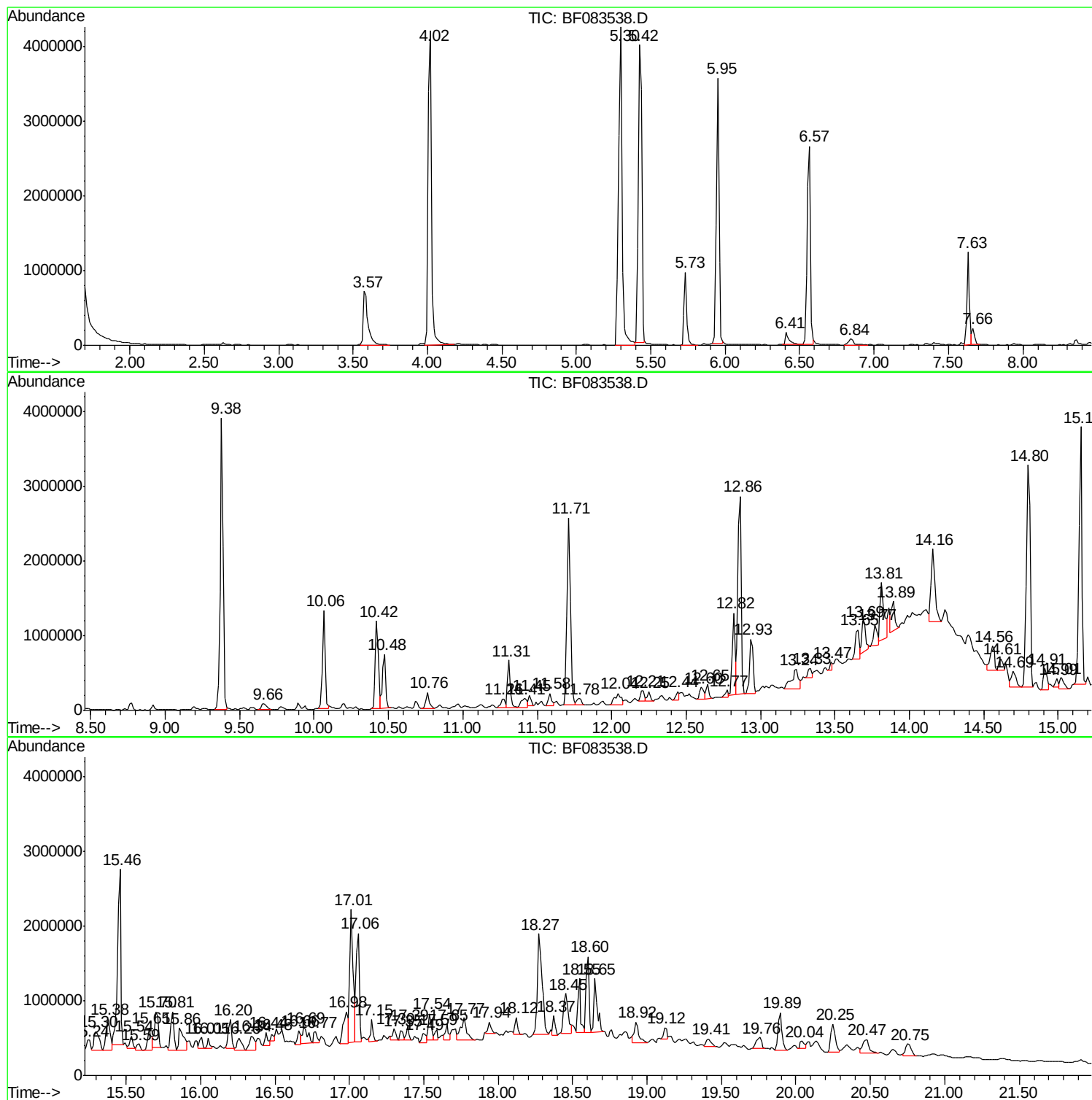
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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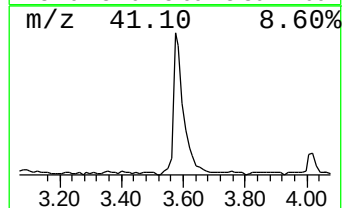
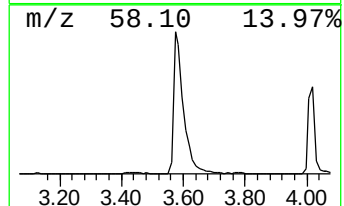
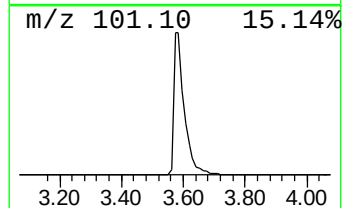
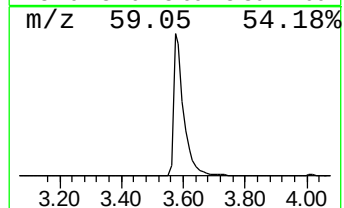
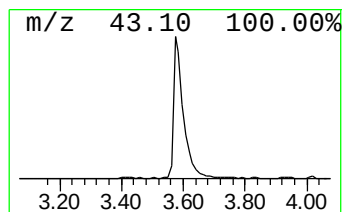
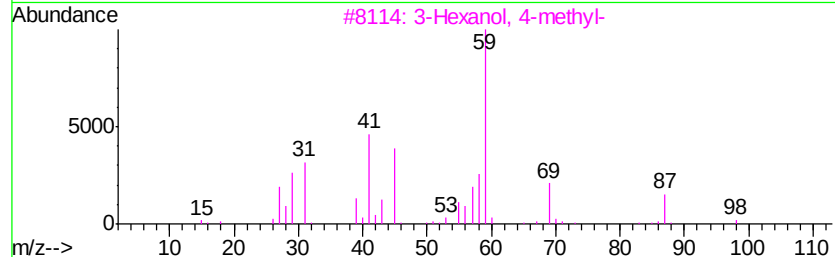
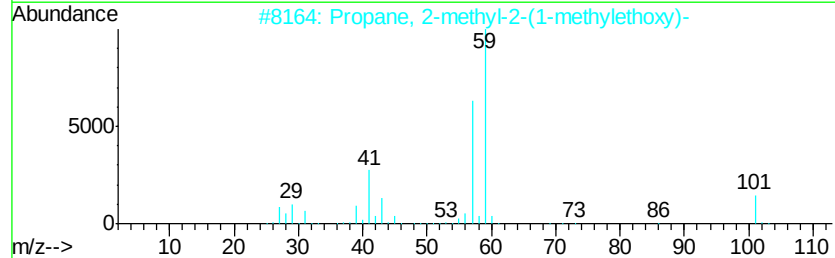
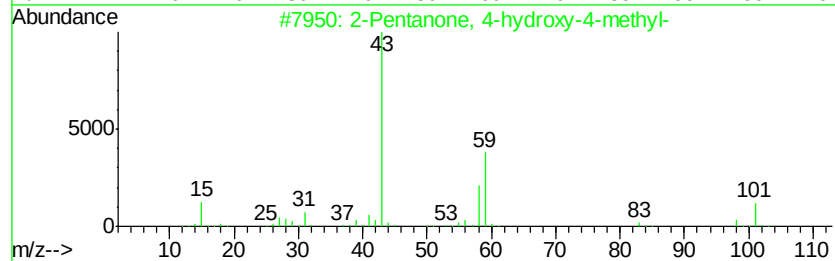
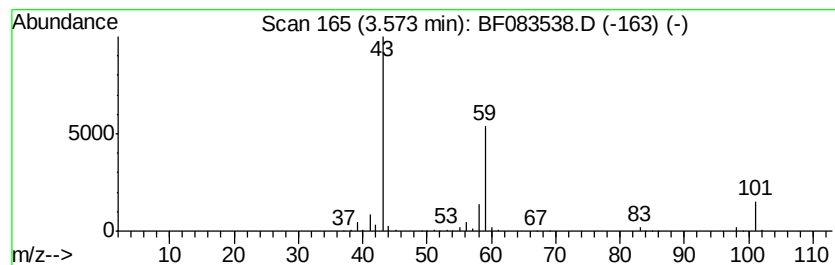
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.57	27.05 ng	1609390	1,4-Dichlorobenzene-d4	5.73

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36	
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23	



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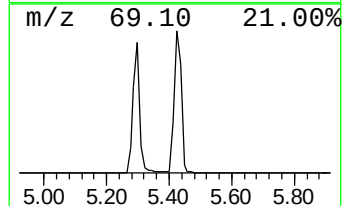
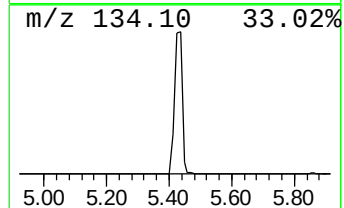
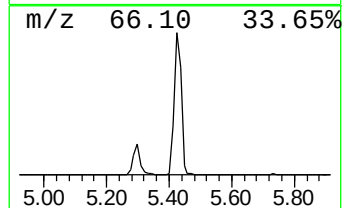
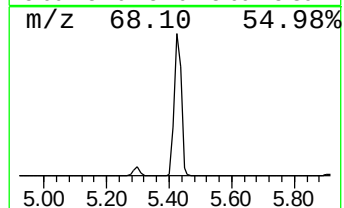
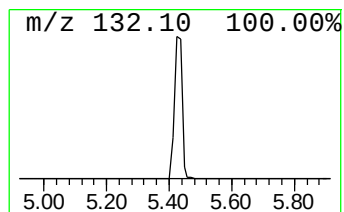
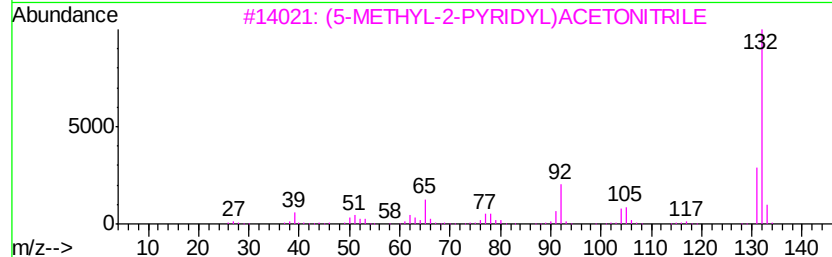
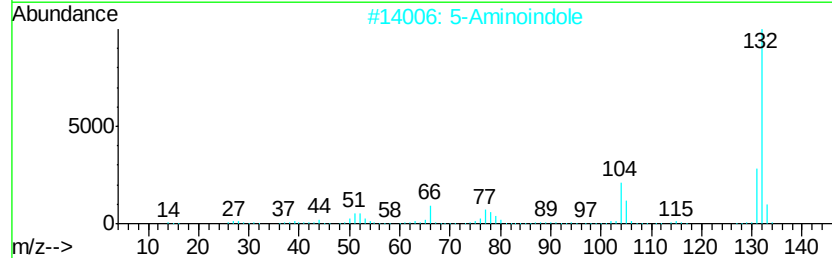
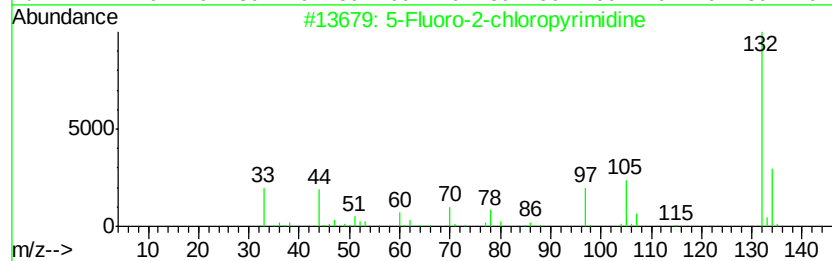
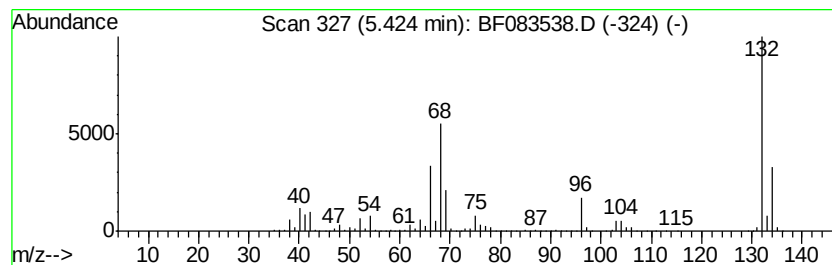
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown5.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	102.99 ng	6128740	1,4-Dichlorobenzene-d4	5.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		5-Aminoindole	132	C8H8N2	005192-03-0	10
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10



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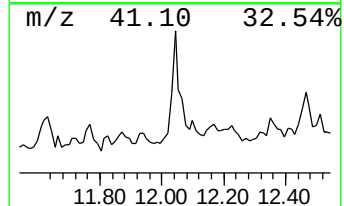
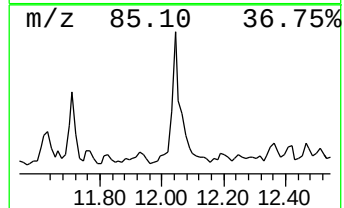
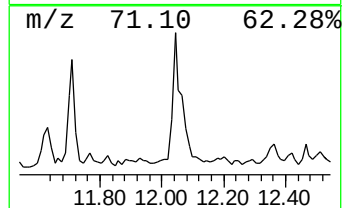
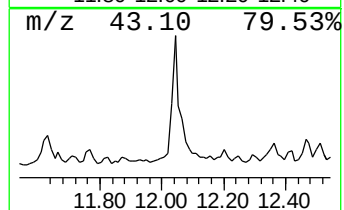
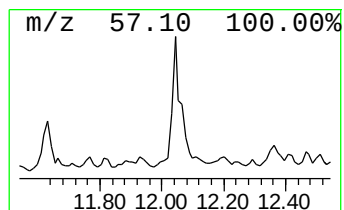
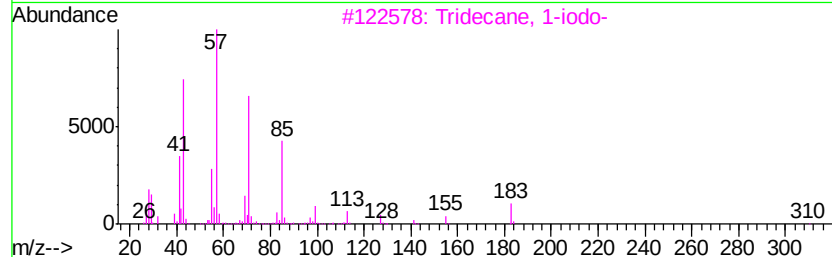
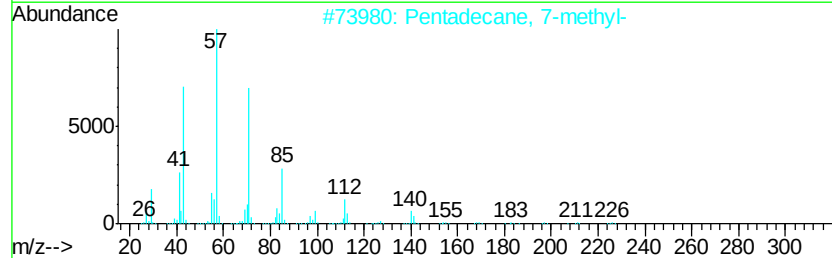
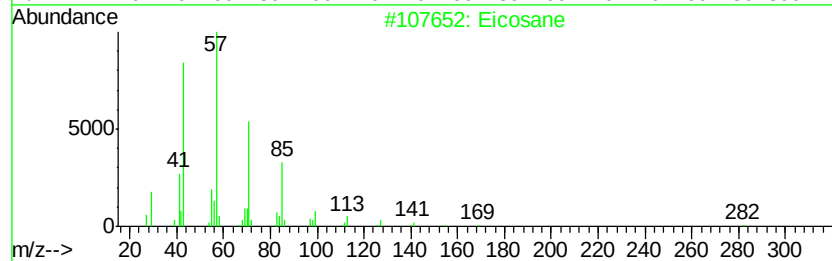
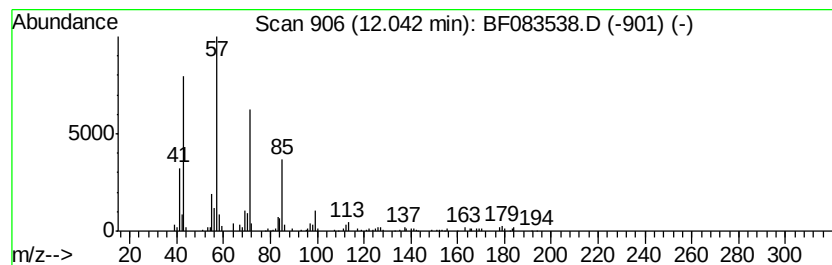
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Peak Number 4 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.04	6.25 ng	443490	Phenanthrene-d10		12.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Octacosane	394	C28H58	000630-02-4	86
5	Hexadecane	226	C16H34	000544-76-3	86



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Operator : UM/IZ
Sample : G4614-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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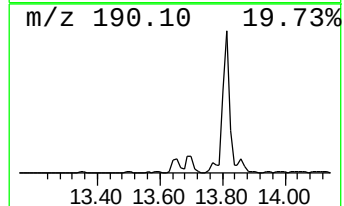
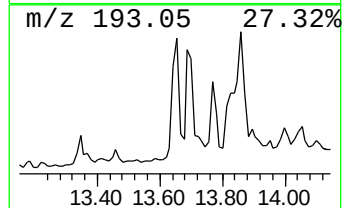
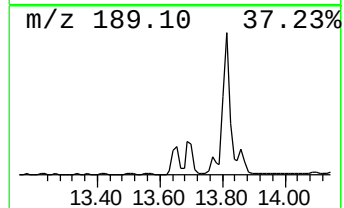
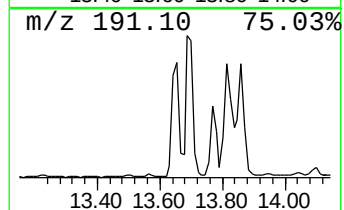
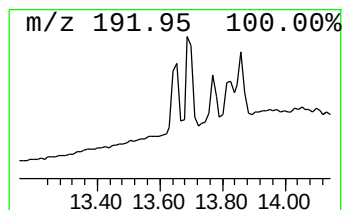
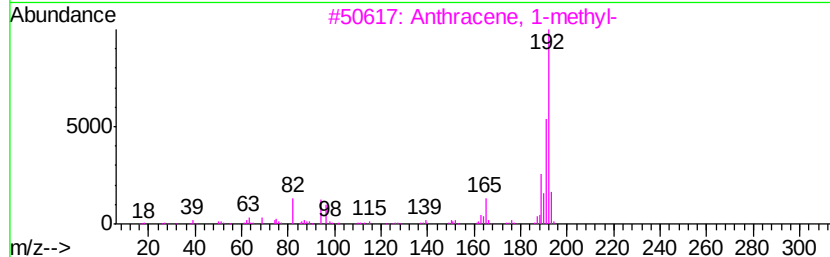
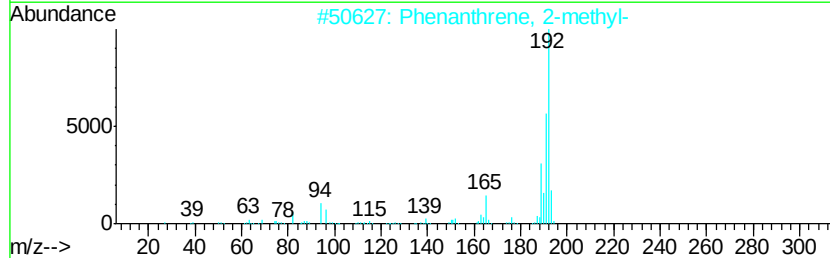
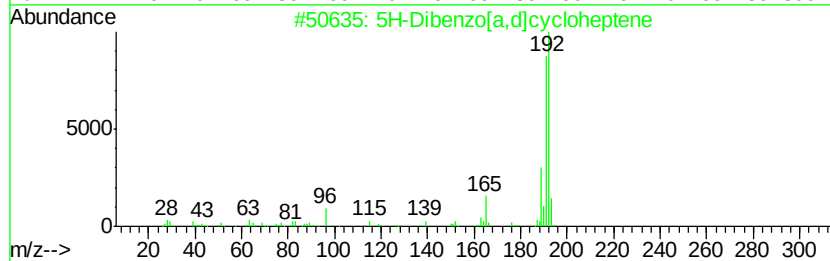
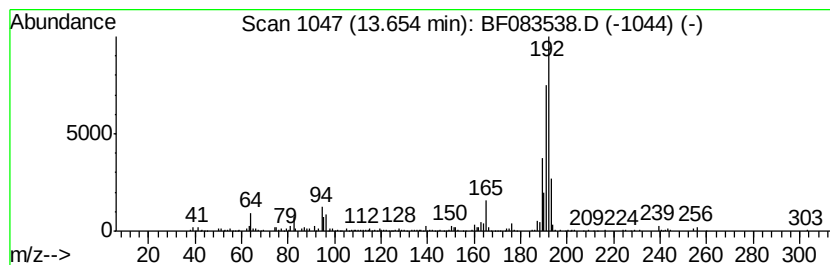
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	9.40 ng	666719	Phenanthrene-d10	12.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	92
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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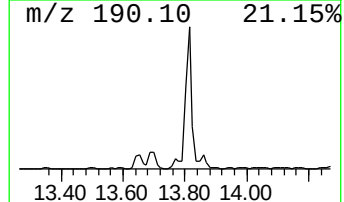
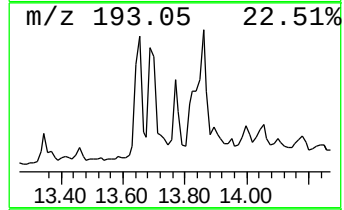
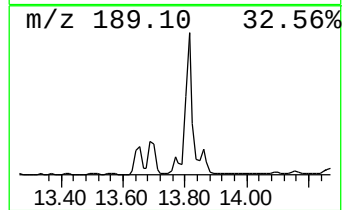
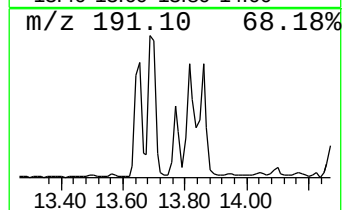
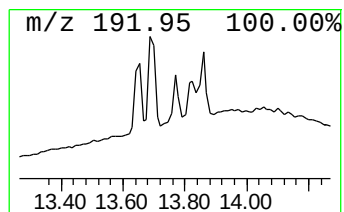
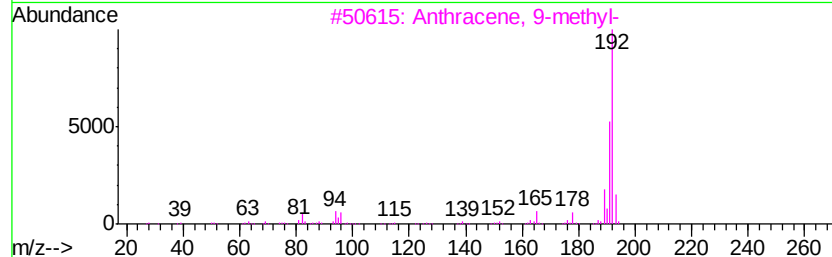
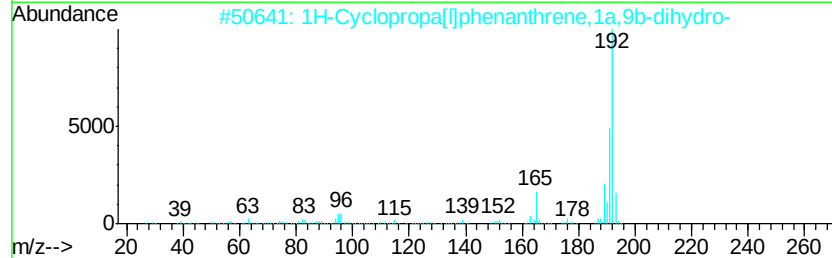
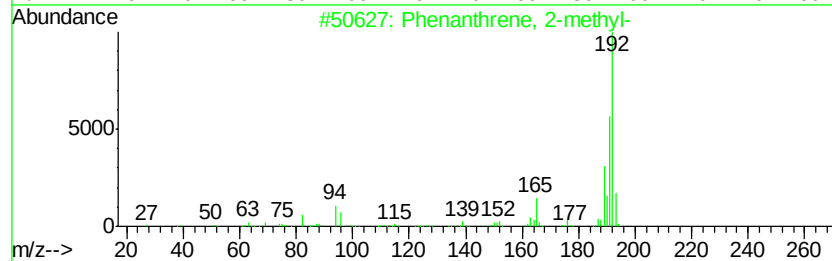
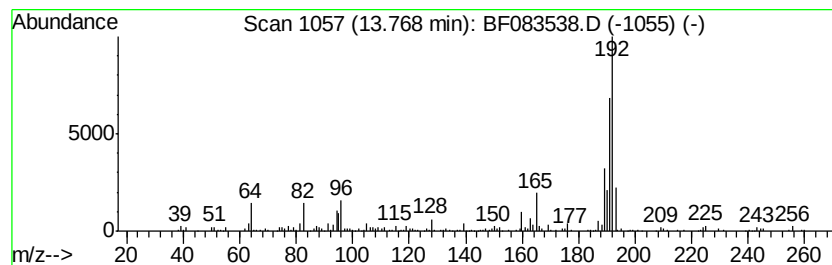
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	6.70 ng	475317	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083538.D
Acq On : 7 Dec 2015 2:17
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Misc :
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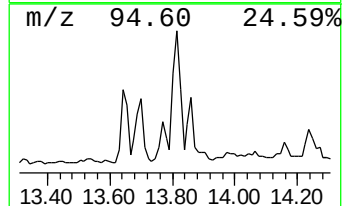
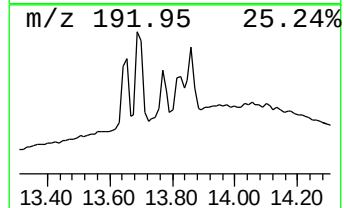
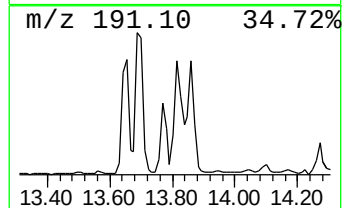
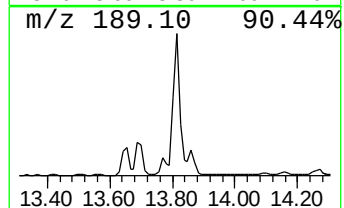
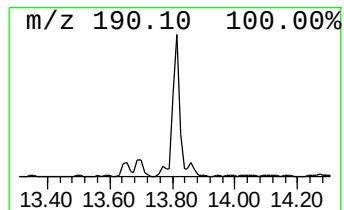
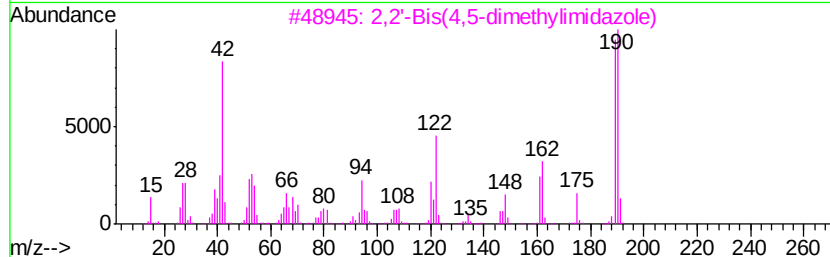
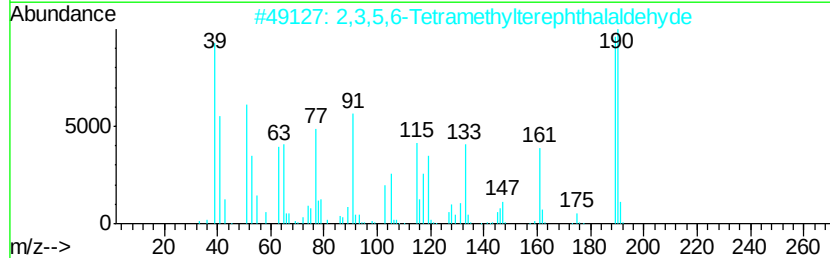
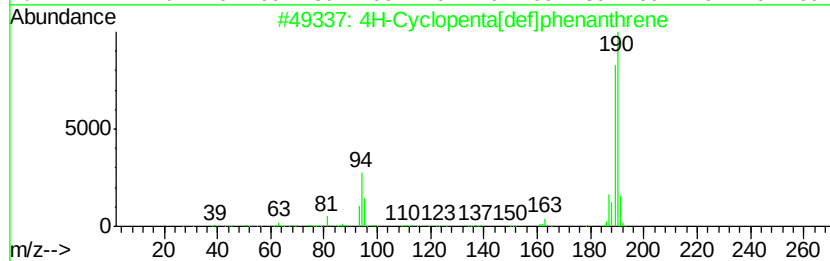
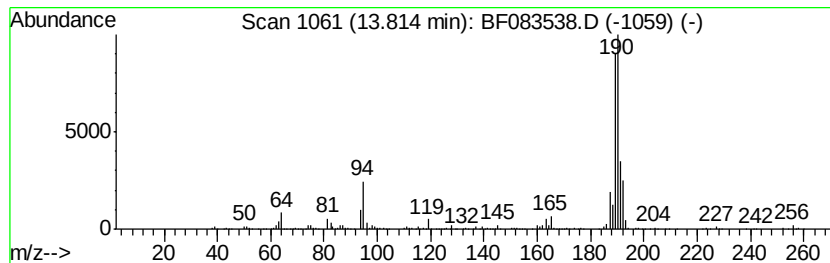
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	20.33 ng	1442020	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		Benzimidazol-2(3H)-one, 5-formyl...	190	C10H10N2O2	055241-49-1	33
5		3-Fluoro-5-(trifluoromethyl)benz...	189	C8H3F4N	149793-69-1	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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Operator : UM/IZ
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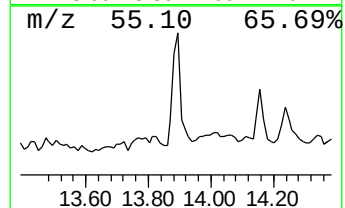
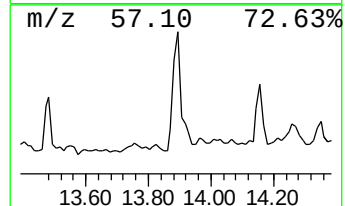
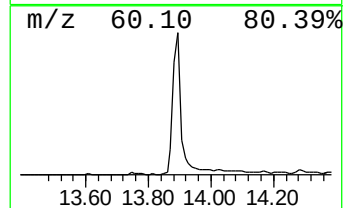
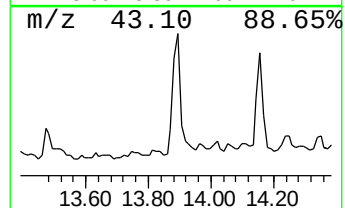
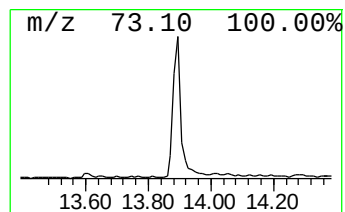
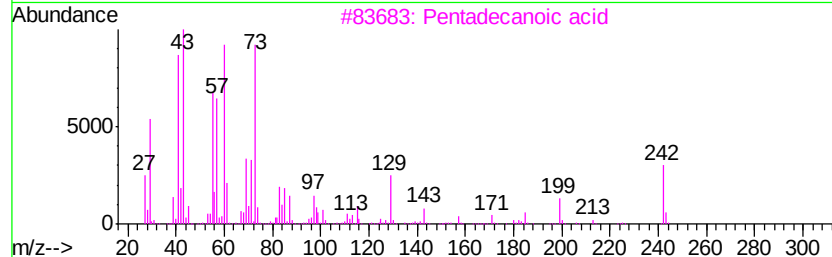
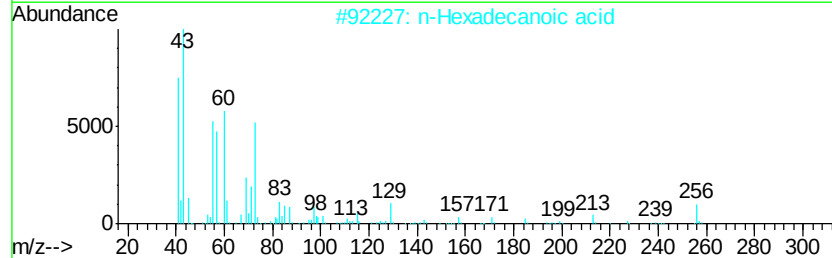
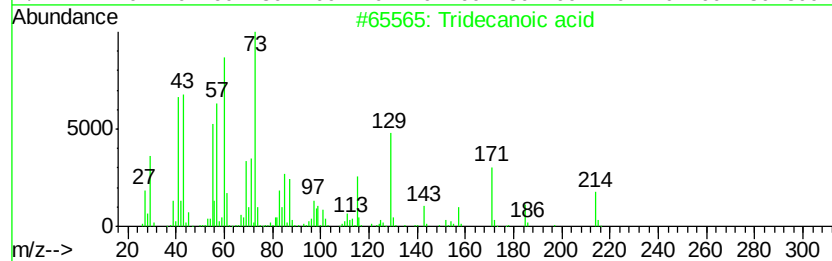
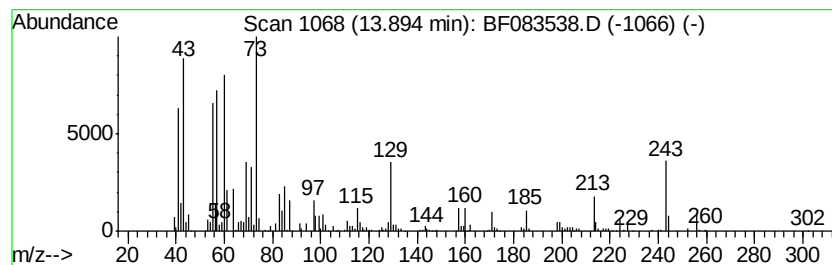
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.89	8.47 ng	601199	Phenanthrene-d10		12.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	83
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	78
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
Data File : BF083538.D
Acq On : 7 Dec 2015 2:17
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Misc :
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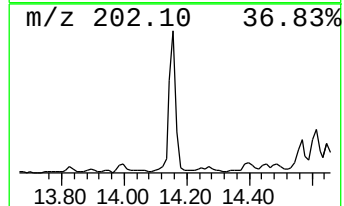
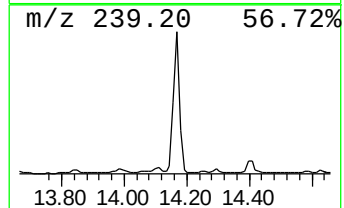
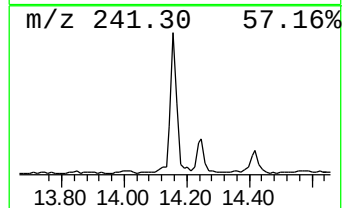
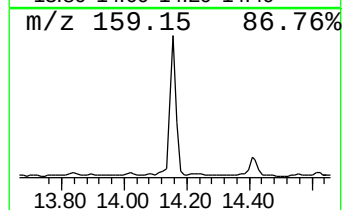
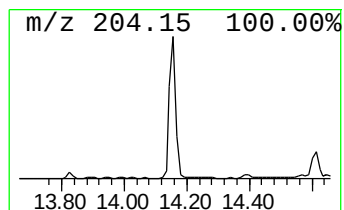
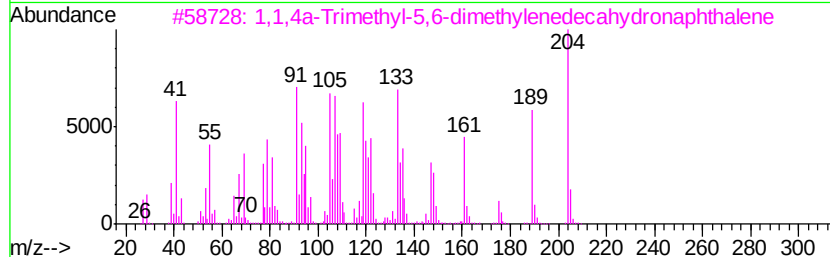
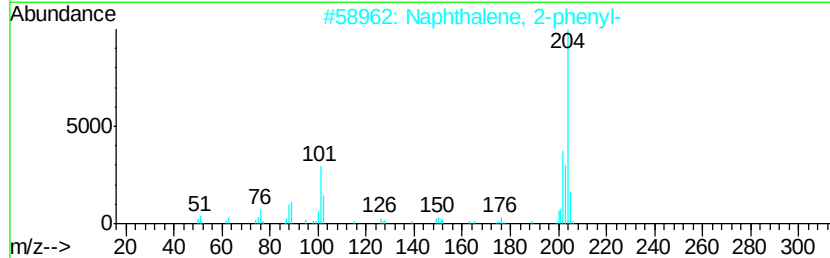
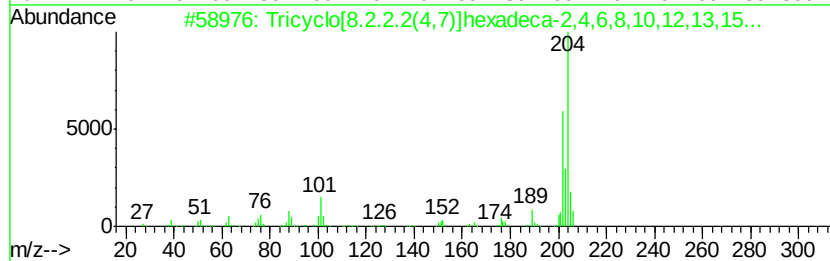
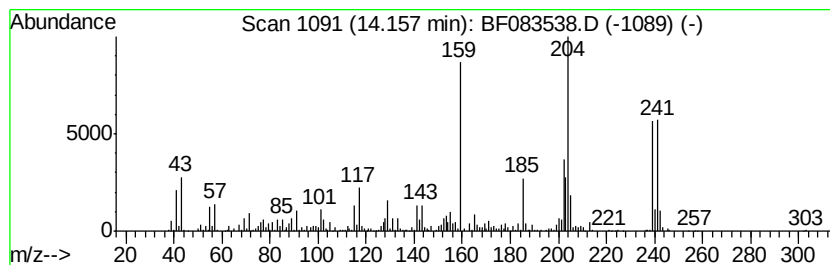
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown14.16 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	23.22 ng	1647220	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	25
4		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	25
5		2-Phenyl-naphthalene	204	C16H12	035465-71-5	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083538.D
Acq On : 7 Dec 2015 2:17
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Misc :
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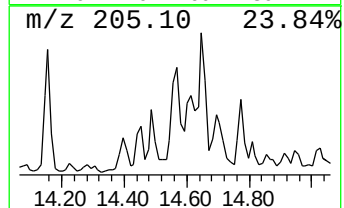
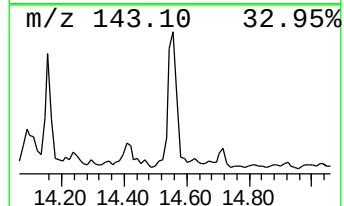
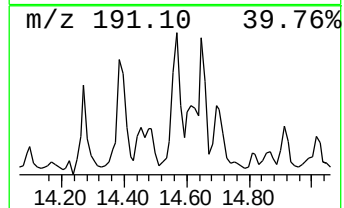
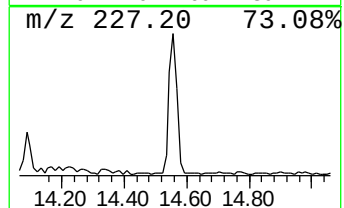
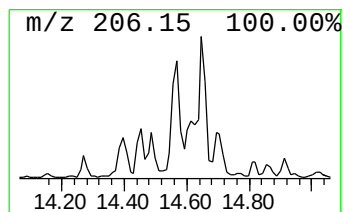
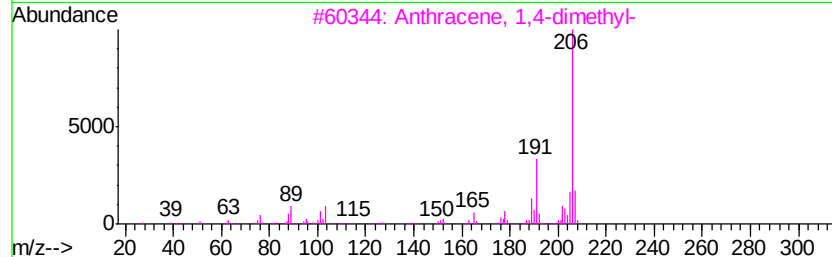
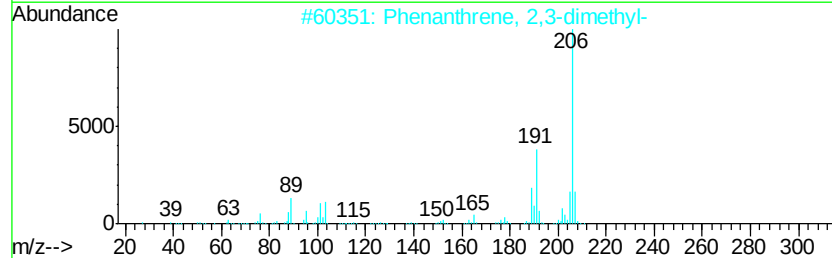
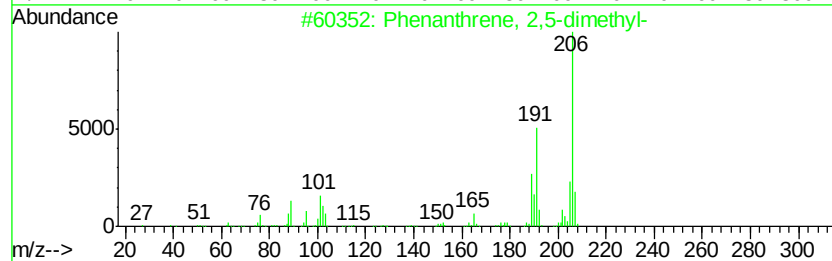
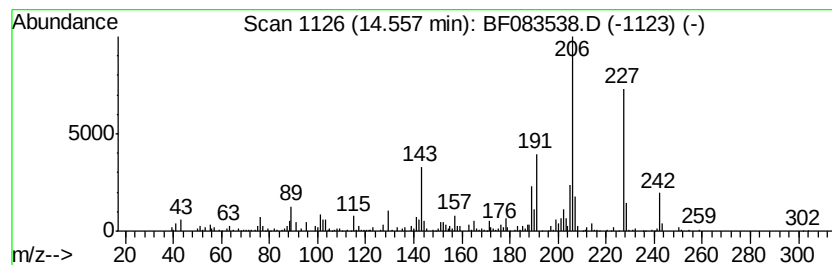
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	8.84 ng	627089	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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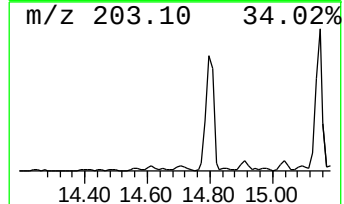
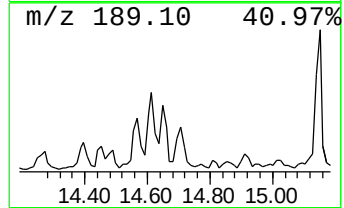
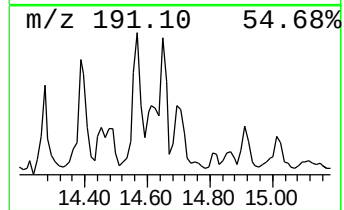
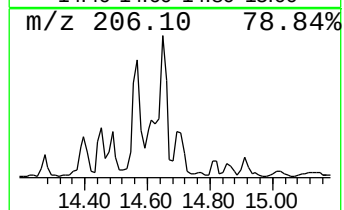
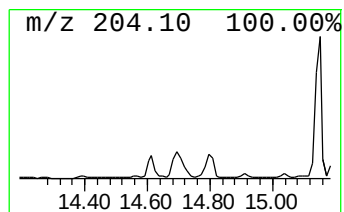
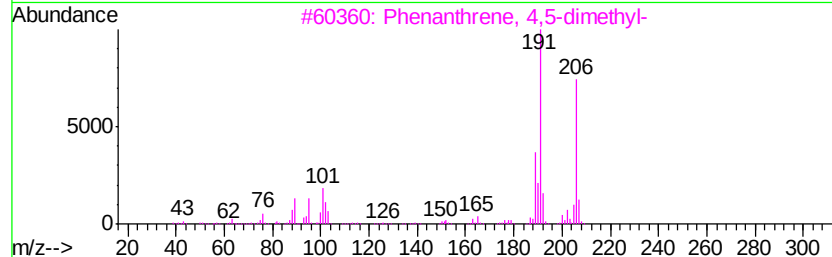
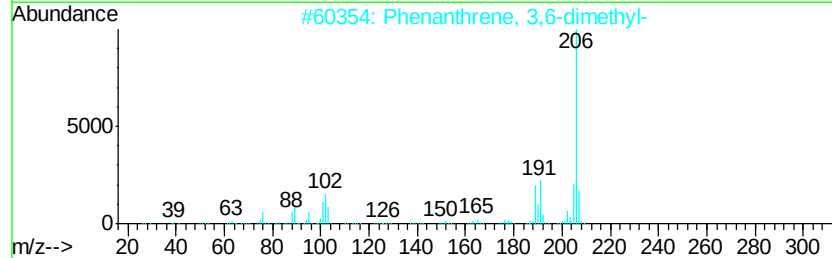
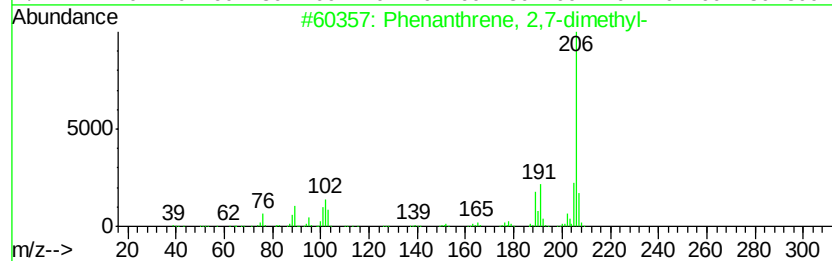
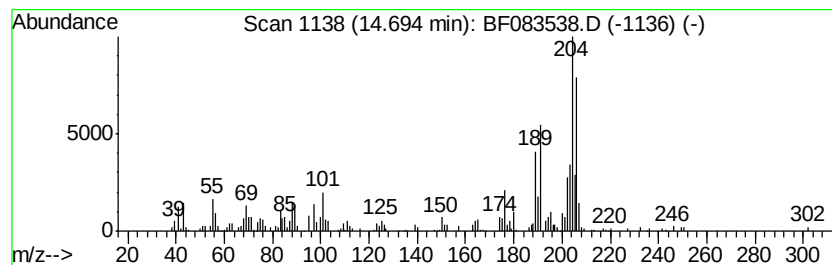
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	6.84 ng	485021	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
3		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	46
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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Sample : G4614-02
Misc :
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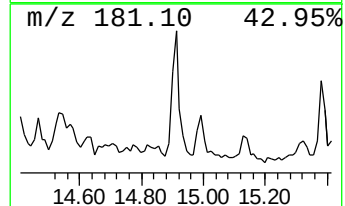
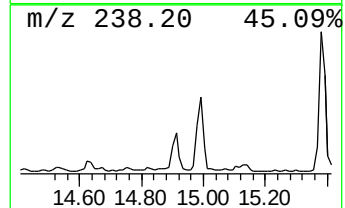
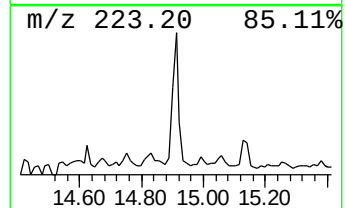
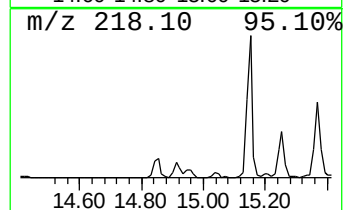
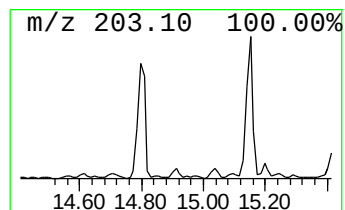
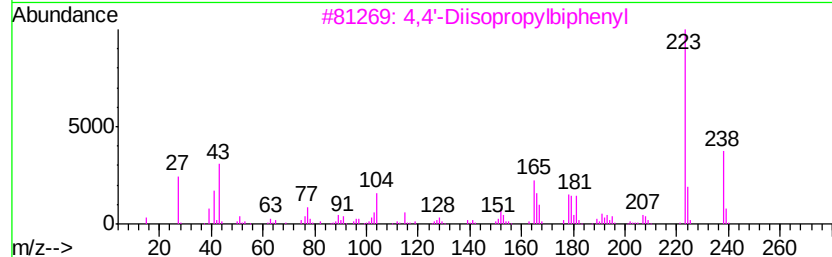
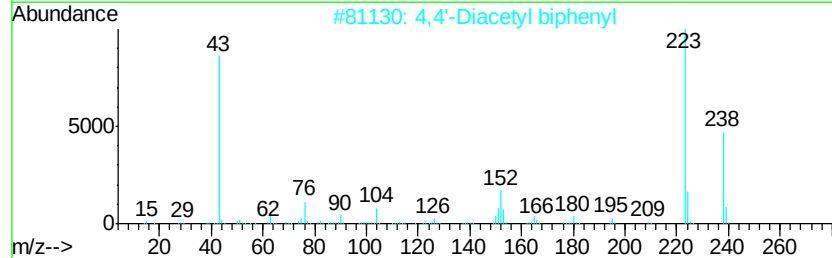
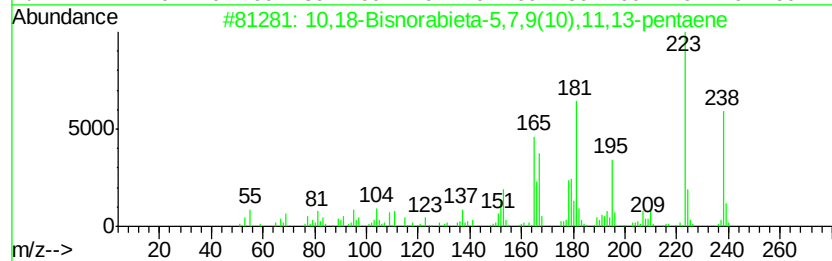
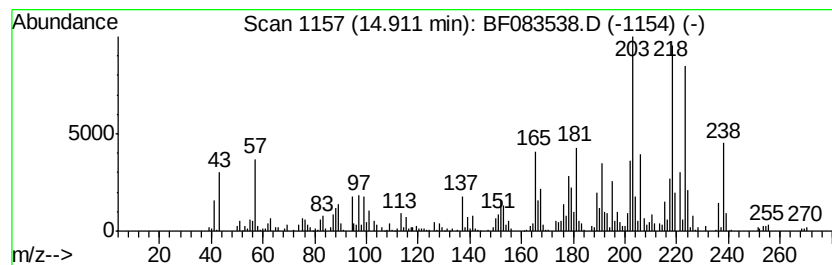
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.91	6.70 ng	475527	Phenanthrene-d10	12.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	55
2	4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	35
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	30
4	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	25
5	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	20



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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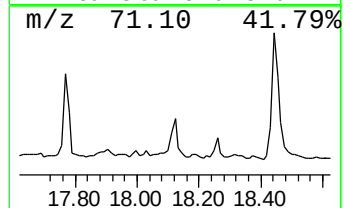
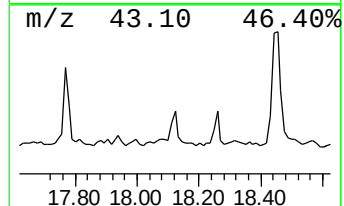
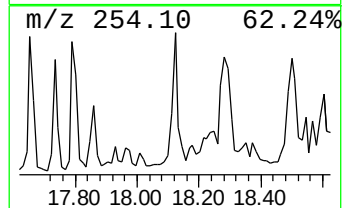
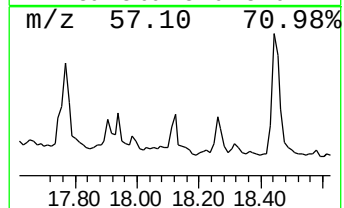
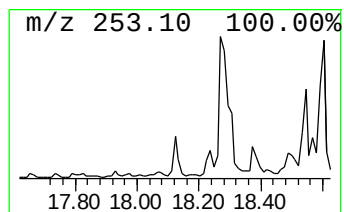
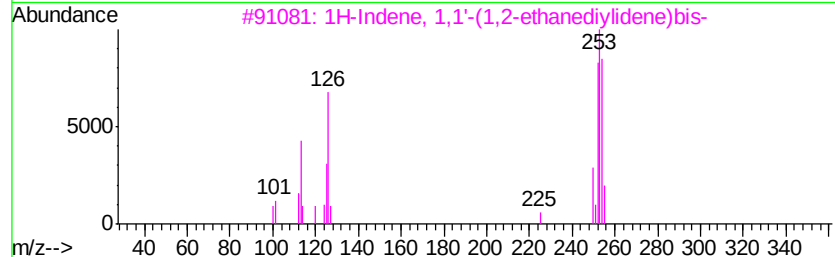
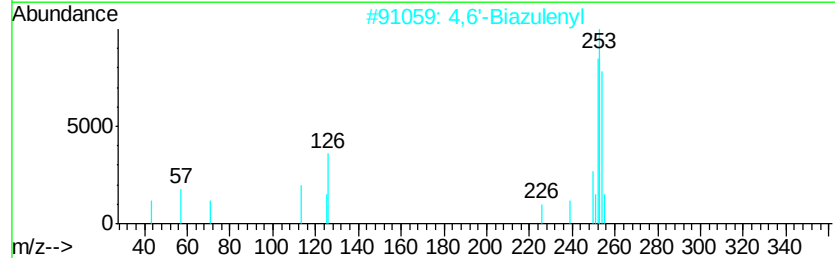
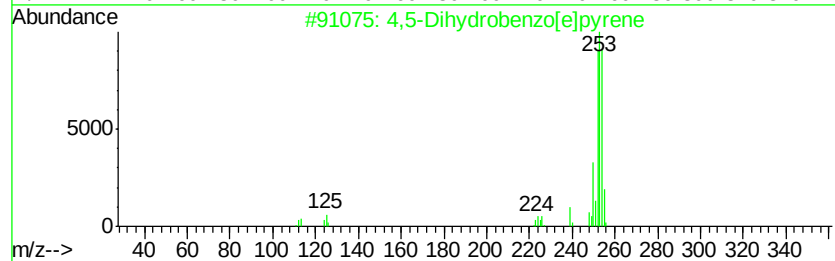
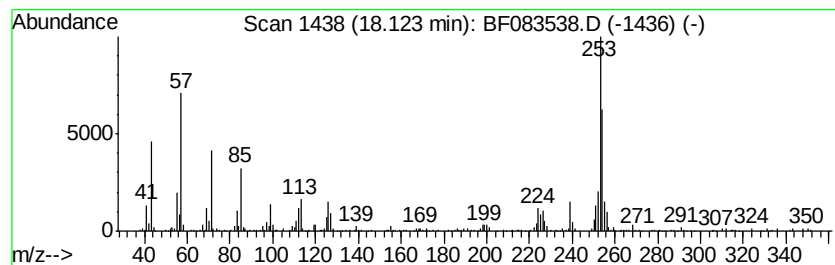
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4,5-Dihydrobenzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.28 ng	289042	Perylene-d12	18.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	90
2		4,6'-Biazulenyl	254	C20H14	094154-49-1	70
3		1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	68
4		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64
5		4,4'-Biazulenyl	254	C20H14	094053-54-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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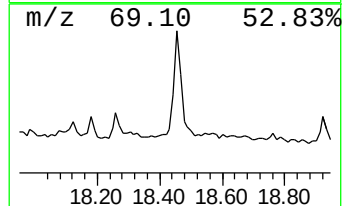
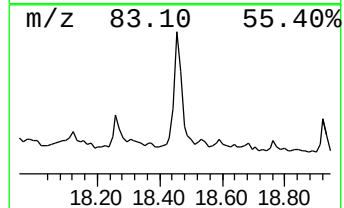
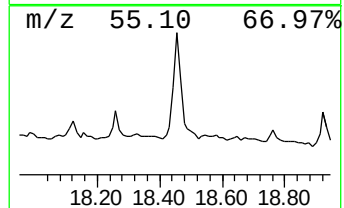
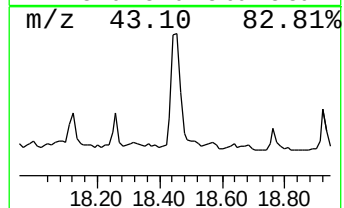
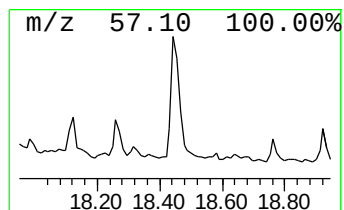
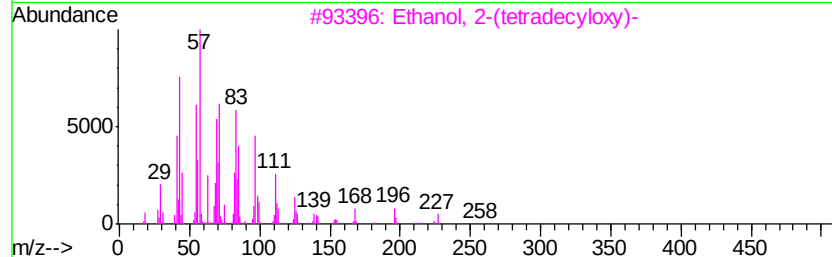
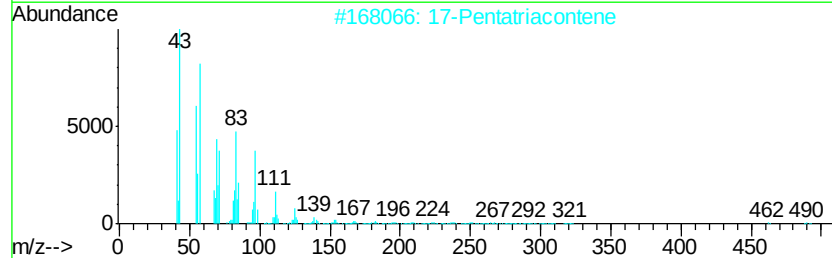
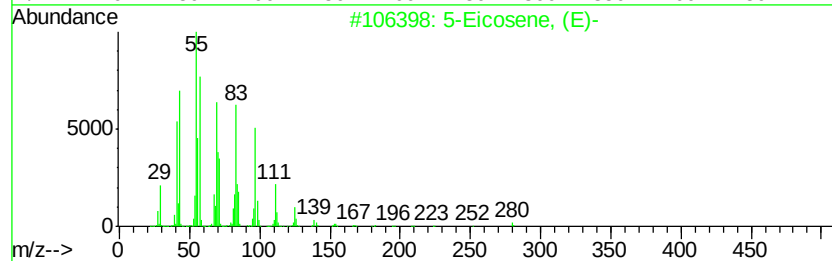
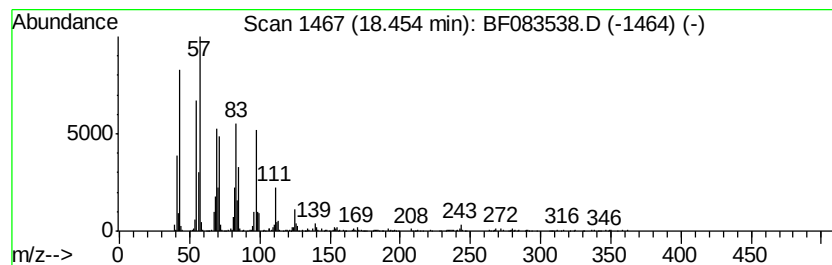
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	19.84 ng	1085320	Perylene-d12	18.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
2		17-Pentatriacontene	491	C35H70	006971-40-0	90
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	80
5		Cyclotetracosane	336	C24H48	000297-03-0	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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Acq On : 7 Dec 2015 2:17
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Misc :
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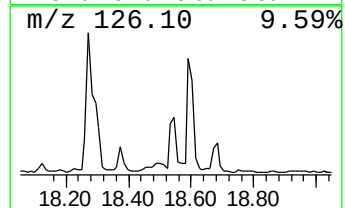
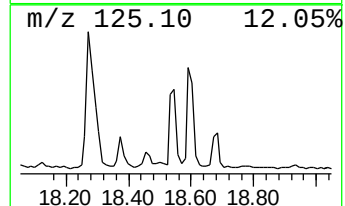
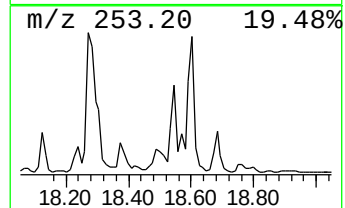
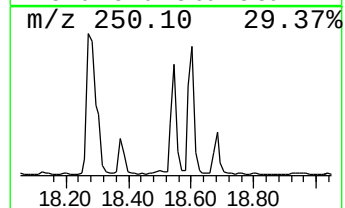
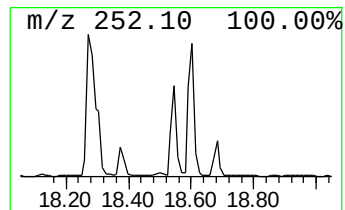
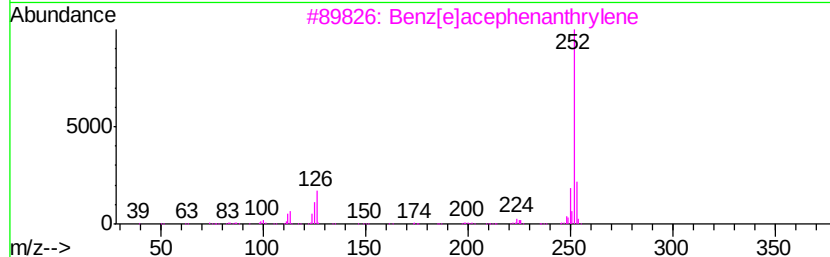
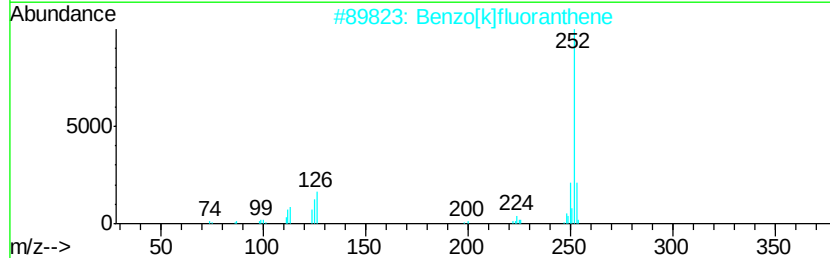
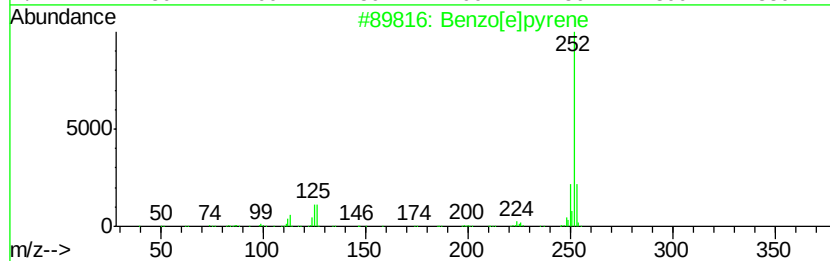
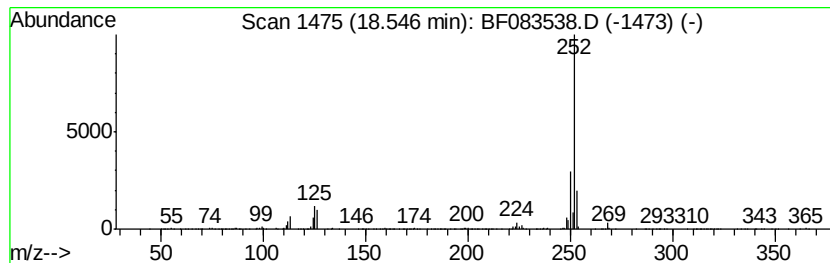
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	17.63 ng	964700	Perylene-d12	18.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Z-11,13-Tetradecadien-1-ol acetate	252	C16H28O2	1000131-33-4	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
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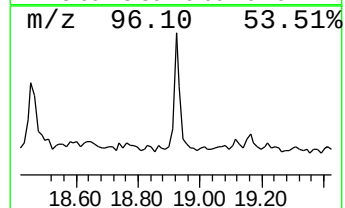
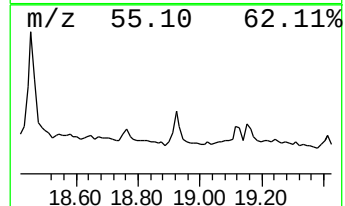
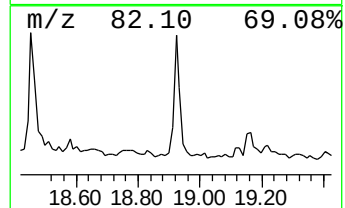
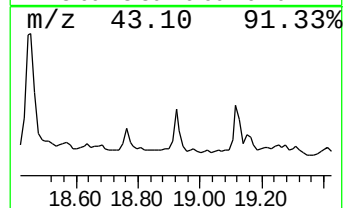
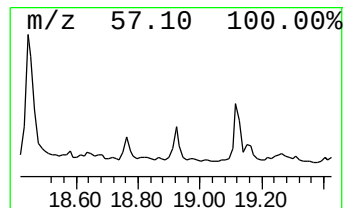
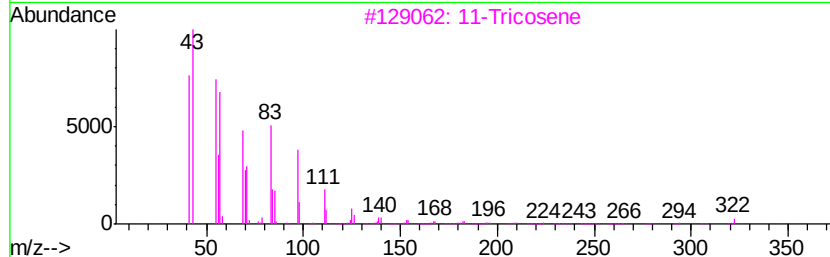
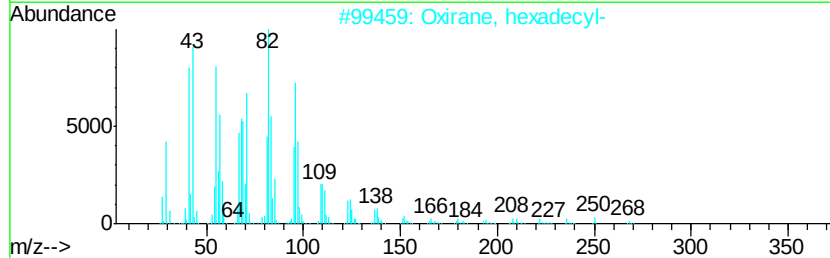
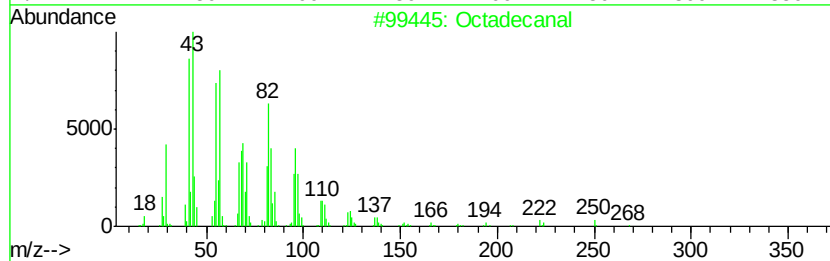
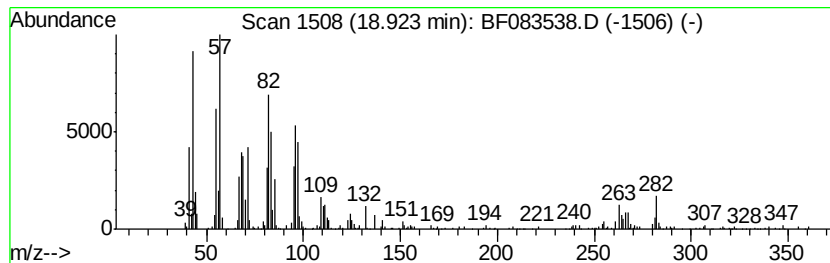
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	10.47 ng	572573	Perylene-d12	18.65
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octadecanal	268 C18H36O	000638-66-4	70
2	Oxirane, hexadecyl-	268 C18H36O	007390-81-0	68
3	11-Tricosene	322 C23H46	052078-56-5	53
4	Z-2-Octadecen-1-ol	268 C18H36O	1000131-11-0	49
5	Pentadecanal-	226 C15H30O	002765-11-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
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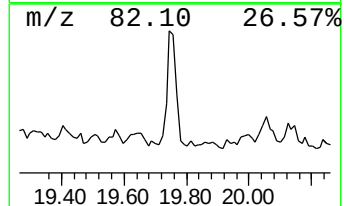
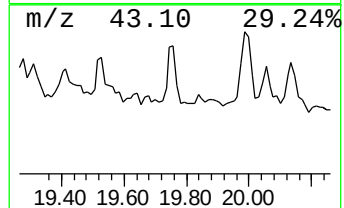
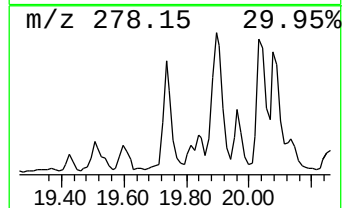
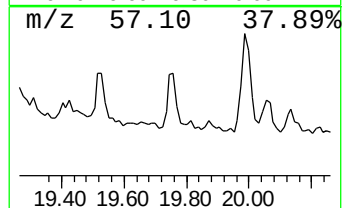
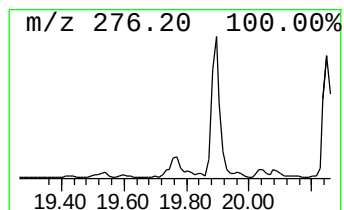
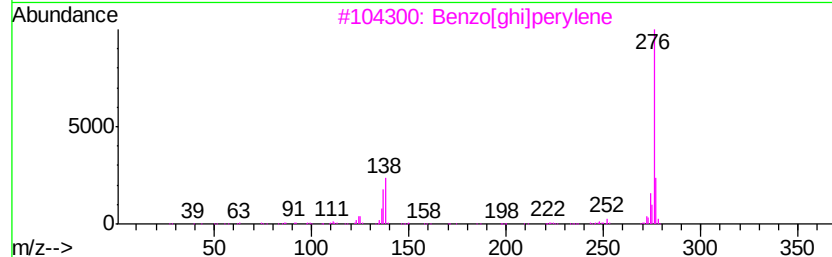
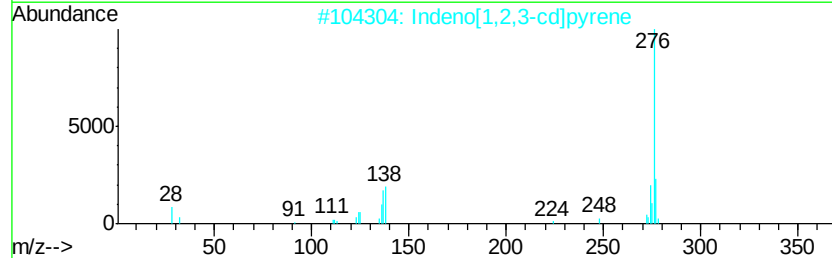
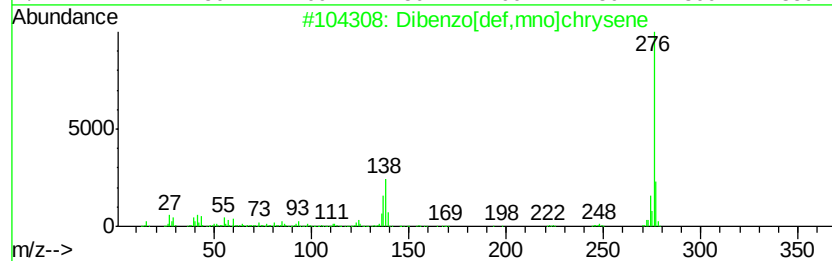
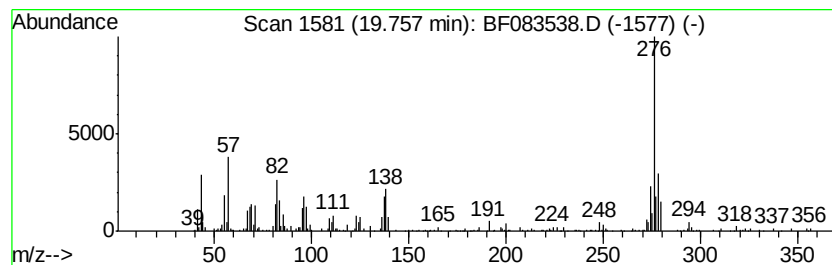
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	6.68 ng	365309	Perylene-d12	18.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	86
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	64
4		Phenol, 2-(4-chlorophenyl)iminome...	276	C13H9ClN2O3	1000262-90-3	59
5		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	58



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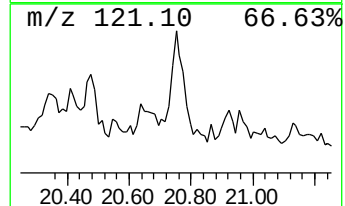
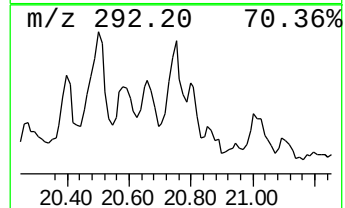
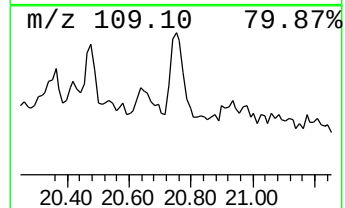
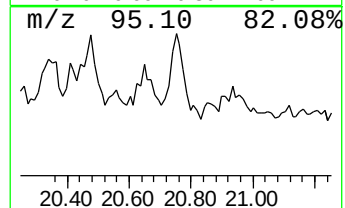
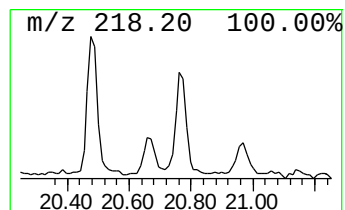
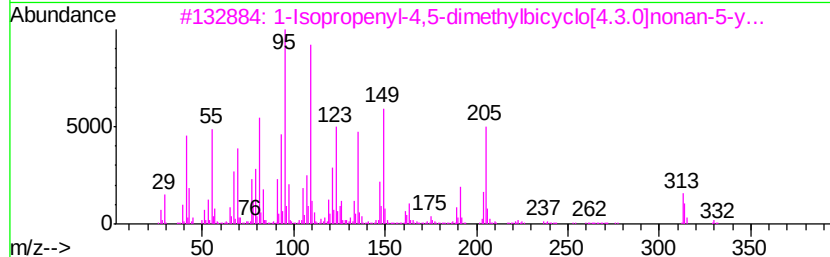
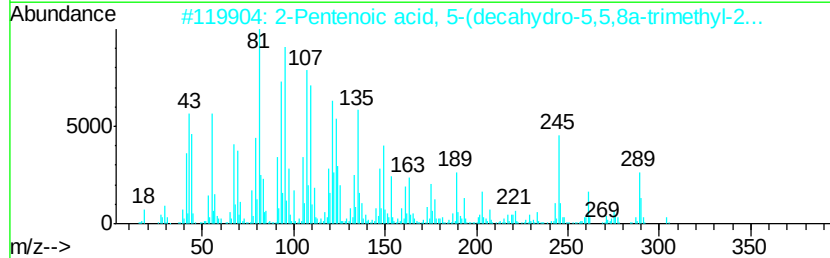
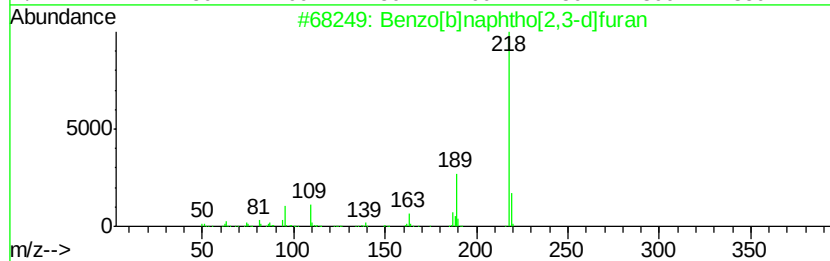
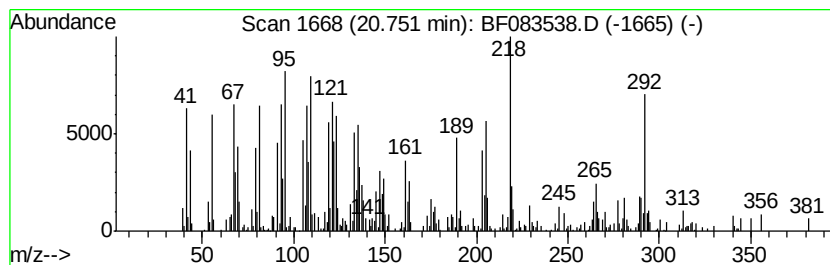
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[b]naphtho[2,3-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	7.23 ng	395737	Perylene-d12	18.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	55
2		2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	52
3		1-Isopropenyl-4,5-dimethylbicycl...	330	C21H30OS	1000195-85-4	50
4		5H-3,5a-Epoxy naphth[2,1-c]oxepin...	278	C18H30O2	001153-34-0	43
5		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083538.D
 Acq On : 7 Dec 2015 2:17
 Operator : UM/IZ
 Sample : G4614-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S35-15.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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...	3.57	27.1 ng		1609390	1	5.73	1190150	20.0
unknown5.42	5.42	103.0 ng		6128740	1	5.73	1190150	20.0
Eicosane	12.04	6.3 ng		443490	4	12.82	1418810	20.0
5H-Dibenzo[a,d]cy...	13.65	9.4 ng		666719	4	12.82	1418810	20.0
Phenanthrene, 2-m...	13.77	6.7 ng		475317	4	12.82	1418810	20.0
4H-Cyclopenta[def...	13.81	20.3 ng		1442020	4	12.82	1418810	20.0
Tridecanoic acid	13.89	8.5 ng		601199	4	12.82	1418810	20.0
unknown14.16	14.16	23.2 ng		1647220	4	12.82	1418810	20.0
Phenanthrene, 2,5...	14.56	8.8 ng		627089	4	12.82	1418810	20.0
Phenanthrene, 2,7...	14.69	6.8 ng		485021	4	12.82	1418810	20.0
10,18-Bisnorabiet...	14.91	6.7 ng		475527	4	12.82	1418810	20.0
4,5-Dihydrobenzo[...	18.12	5.3 ng		289042	6	18.65	1094240	20.0
5-Eicosene, (E)-	18.45	19.8 ng		1085320	6	18.65	1094240	20.0
Benzo[e]pyrene	18.55	17.6 ng		964700	6	18.65	1094240	20.0
Octadecanal	18.92	10.5 ng		572573	6	18.65	1094240	20.0
Dibenzo[def,mno]c...	19.76	6.7 ng		365309	6	18.65	1094240	20.0
Benzo[b]naphtho[2...	20.75	7.2 ng		395737	6	18.65	1094240	20.0