

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083645.D
 Acq On : 9 Dec 2015 18:02
 Operator : UM/IZ
 Sample : G4561-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB17A(6-6.5)

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-BF120815.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	3.470	154	156	157	rBV	74112	103937	1.79%	0.114%
2	3.516	157	160	173	rVV	1306369	2613831	45.13%	2.870%
3	3.961	197	199	213	rVV	2947276	4608976	79.57%	5.060%
4	4.178	216	218	222	rVV	68915	116426	2.01%	0.128%
5	5.264	310	313	321	rBV	3147546	5039808	87.01%	5.533%
6	5.379	321	323	327	rVV	3569585	4925937	85.04%	5.408%
7	5.676	346	349	352	rBV	741477	932026	16.09%	1.023%
8	5.893	365	368	378	rVB	2875234	3630831	62.68%	3.986%
9	6.510	420	422	428	rBV	2251986	2991730	51.65%	3.285%
10	6.602	428	430	433	rVB	115786	146527	2.53%	0.161%
11	7.573	513	515	517	rBV	843423	1185780	20.47%	1.302%
12	7.607	517	518	520	rVB	136177	188590	3.26%	0.207%
13	7.767	530	532	535	rVB	87177	108655	1.88%	0.119%
14	8.270	573	576	580	rBV3	38992	97266	1.68%	0.107%
15	8.339	580	582	590	rVB	128802	228238	3.94%	0.251%
16	8.613	604	606	611	rVV	191701	292784	5.05%	0.321%
17	8.716	611	615	618	rVV2	241326	359162	6.20%	0.394%
18	8.865	625	628	631	rBV	171665	236817	4.09%	0.260%
19	9.127	649	651	656	rVB2	58256	105481	1.82%	0.116%
20	9.322	665	668	671	rBV	3832942	5084332	87.78%	5.582%
21	9.402	673	675	678	rVB	105904	158281	2.73%	0.174%
22	9.482	678	682	684	rBV2	53433	106773	1.84%	0.117%
23	9.528	684	686	689	rBV	236737	342855	5.92%	0.376%
24	9.619	691	694	701	rVB2	55639	180664	3.12%	0.198%
25	9.733	701	704	708	rBV	77231	216428	3.74%	0.238%
26	9.836	710	713	715	rBV2	134901	203366	3.51%	0.223%
27	9.882	715	717	720	rVB	131655	200653	3.46%	0.220%
28	10.008	726	728	730	rBV	698953	878767	15.17%	0.965%
29	10.053	730	732	734	rVB	142094	182933	3.16%	0.201%
30	10.133	737	739	743	rBV	337418	589519	10.18%	0.647%
31	10.213	743	746	750	rVB3	116474	258116	4.46%	0.283%
32	10.362	757	759	763	rBV2	929270	1617421	27.92%	1.776%
33	10.705	787	789	793	rVV2	116673	249219	4.30%	0.274%
34	10.796	793	797	801	rVB4	72184	184990	3.19%	0.203%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.911	804	807	809	rVB2	149922	222874	3.85%	0.245%
36	10.968	809	812	814	rBV2	67614	112277	1.94%	0.123%
37	11.116	823	825	829	rVB3	38592	89118	1.54%	0.098%
38	11.208	830	833	835	rBV	368613	490956	8.48%	0.539%
39	11.265	835	838	842	rVB2	135581	264032	4.56%	0.290%
40	11.333	842	844	848	rBV5	34044	97236	1.68%	0.107%
41	11.562	859	864	866	rBV3	185660	399301	6.89%	0.438%
42	11.653	870	872	878	rBV	1624500	2495314	43.08%	2.740%
43	11.882	890	892	895	rVB	90675	124023	2.14%	0.136%
44	11.996	897	902	905	rBV2	395365	1028325	17.75%	1.129%
45	12.396	934	937	940	rBV3	109109	302701	5.23%	0.332%
46	12.488	943	945	948	rBV	143658	216988	3.75%	0.238%
47	12.705	962	964	966	rBV	241028	308917	5.33%	0.339%
48	12.762	966	969	971	rVV	896352	1280679	22.11%	1.406%
49	12.796	971	972	976	rVB	1187240	1438793	24.84%	1.580%
50	12.888	977	980	985	rBV	589430	853007	14.73%	0.936%
51	12.991	987	989	994	rVB2	63343	134748	2.33%	0.148%
52	13.196	1005	1007	1012	rVV	556875	832340	14.37%	0.914%
53	13.402	1023	1025	1027	rVB	146545	181175	3.13%	0.199%
54	13.597	1040	1042	1044	rBV	224246	289665	5.00%	0.318%
55	13.642	1044	1046	1049	rVV	276115	365466	6.31%	0.401%
56	13.722	1051	1053	1054	rBV	133587	169406	2.92%	0.186%
57	13.757	1054	1056	1058	rVV2	279775	433487	7.48%	0.476%
58	13.814	1058	1061	1065	rVB2	419277	814716	14.07%	0.894%
59	14.088	1081	1085	1089	rVB2	189259	391077	6.75%	0.429%
60	14.157	1089	1091	1096	rVB3	137651	345483	5.96%	0.379%
61	14.328	1104	1106	1108	rVB2	70429	105260	1.82%	0.116%
62	14.385	1109	1111	1113	rBV	71637	100663	1.74%	0.111%
63	14.499	1118	1121	1123	rBV	245570	408934	7.06%	0.449%
64	14.534	1123	1124	1127	rVV3	154647	285353	4.93%	0.313%
65	14.591	1127	1129	1131	rVV	98249	126574	2.19%	0.139%
66	14.637	1131	1133	1137	rVB	297640	422885	7.30%	0.464%
67	14.728	1137	1141	1145	rBV	1906620	3344336	57.74%	3.672%
68	14.785	1145	1146	1150	rVB2	73964	93109	1.61%	0.102%
69	14.854	1150	1152	1153	rBV2	67485	100775	1.74%	0.111%
70	14.888	1153	1155	1159	rVB	124191	196833	3.40%	0.216%
71	15.025	1164	1167	1169	rVB3	91829	152503	2.63%	0.167%

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72	15.094	1169	1173	1176	rBV	2290740	3799451	65.60%	4.171%
73	15.277	1185	1189	1192	rBV	2850303	5792285	100.00%	6.359%
74	15.322	1192	1193	1196	rVV	281977	393901	6.80%	0.432%
75	15.391	1196	1199	1204	rVV	1963469	3411125	58.89%	3.745%
76	15.482	1205	1207	1210	rVV	117264	184145	3.18%	0.202%
77	15.631	1216	1220	1221	rBV	198188	443870	7.66%	0.487%
78	15.825	1234	1237	1242	rBV2	263655	607677	10.49%	0.667%
79	15.962	1246	1249	1251	rVV	214311	335076	5.78%	0.368%
80	16.008	1251	1253	1257	rVB	107806	189385	3.27%	0.208%
81	16.625	1305	1307	1308	rBV2	187405	250368	4.32%	0.275%
82	16.660	1308	1310	1311	rVV	290706	335575	5.79%	0.368%
83	16.694	1311	1313	1315	rVV	163606	214550	3.70%	0.236%
84	16.831	1321	1325	1327	rVB2	257307	585019	10.10%	0.642%
85	16.923	1330	1333	1335	rVB3	186447	391778	6.76%	0.430%
86	16.968	1335	1337	1340	rBV2	1586935	3209635	55.41%	3.524%
87	17.014	1340	1341	1345	rVV	1137280	1758554	30.36%	1.931%
88	17.117	1348	1350	1352	rVB	276333	315470	5.45%	0.346%
89	17.334	1367	1369	1372	rVB3	198047	291039	5.02%	0.320%
90	17.517	1383	1385	1387	rVB	275547	318961	5.51%	0.350%
91	17.597	1390	1392	1393	rBV2	181806	210396	3.63%	0.231%
92	17.666	1396	1398	1402	rBV3	249922	460217	7.95%	0.505%
93	18.111	1435	1437	1442	rBV4	256097	586554	10.13%	0.644%
94	18.260	1447	1450	1455	rBV	1772252	3857723	66.60%	4.235%
95	18.363	1457	1459	1461	rBV2	270863	383110	6.61%	0.421%
96	18.523	1471	1473	1475	rBV	1194217	1211046	20.91%	1.330%
97	18.580	1476	1478	1481	rVV	1163563	1278250	22.07%	1.403%
98	18.637	1481	1483	1484	rVV	368000	328343	5.67%	0.360%
99	19.871	1588	1591	1597	rVB	662207	1431298	24.71%	1.571%
100	20.226	1620	1622	1631	rVB	431802	1124880	19.42%	1.235%

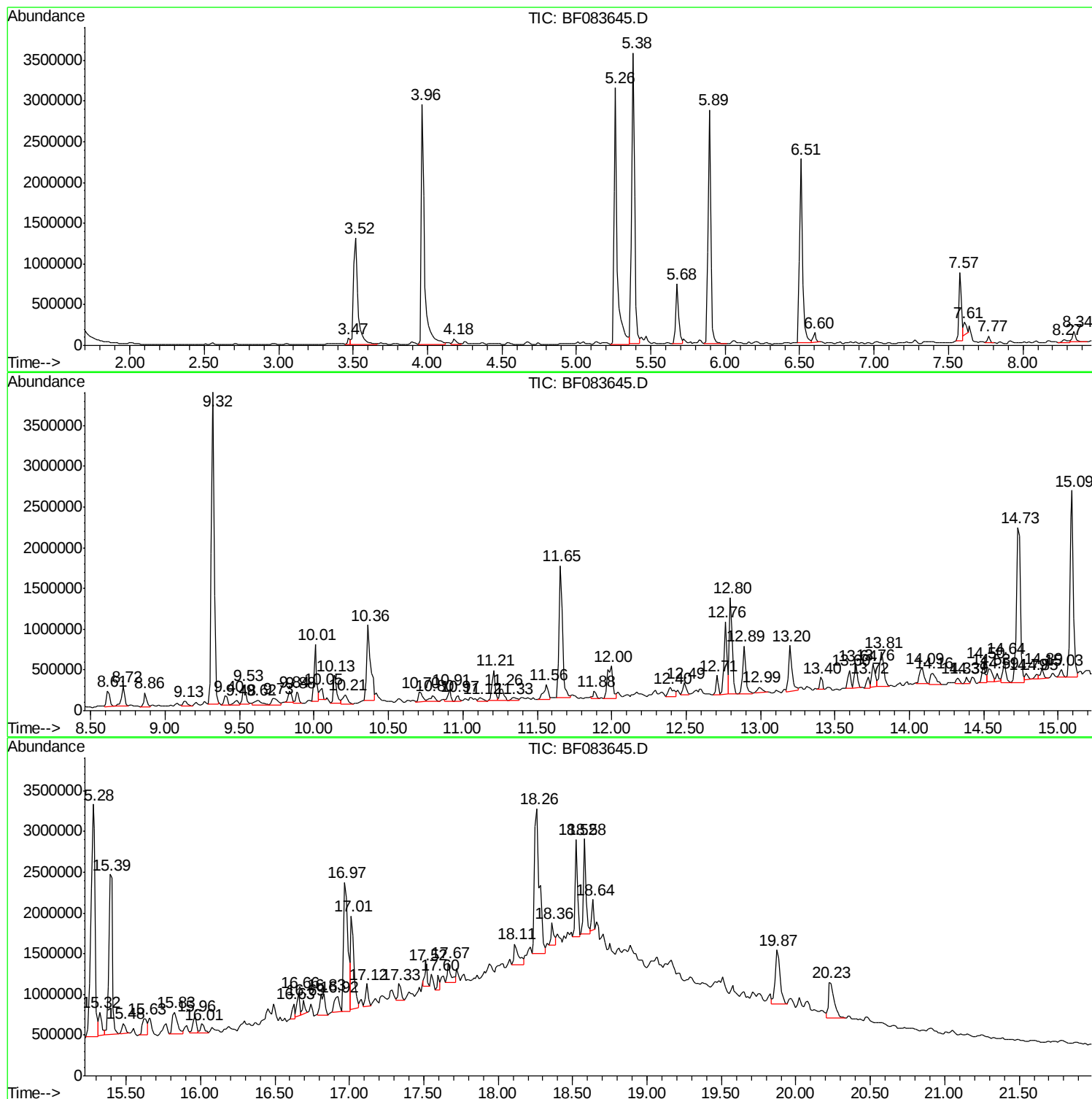
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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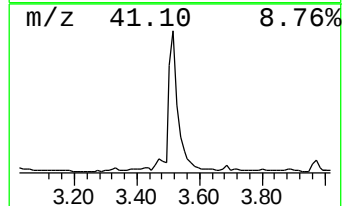
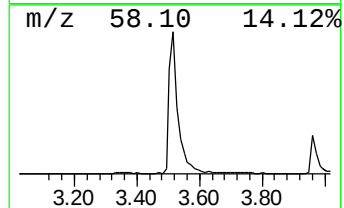
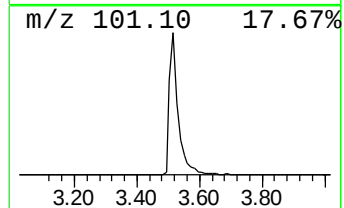
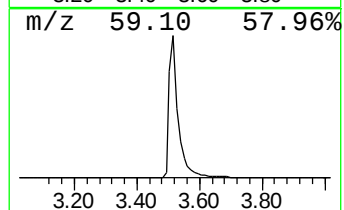
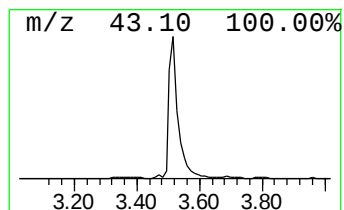
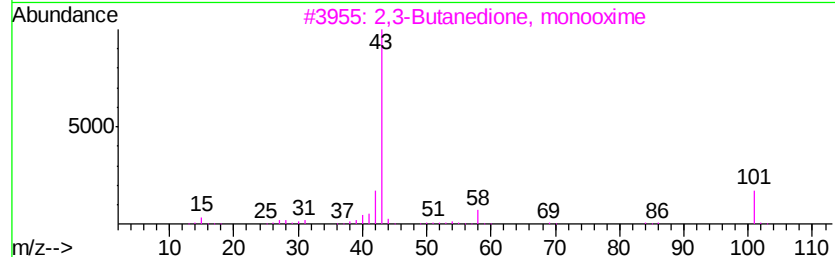
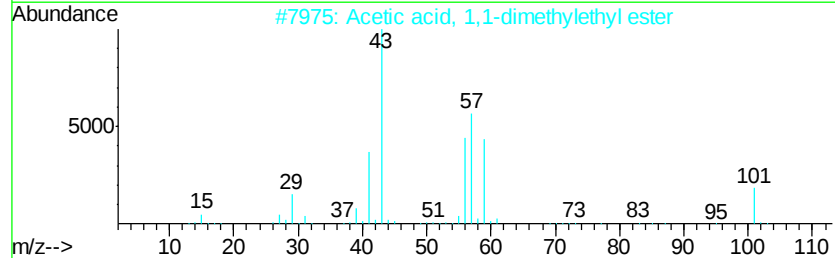
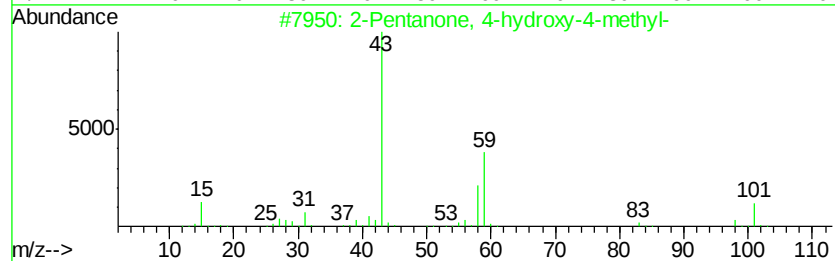
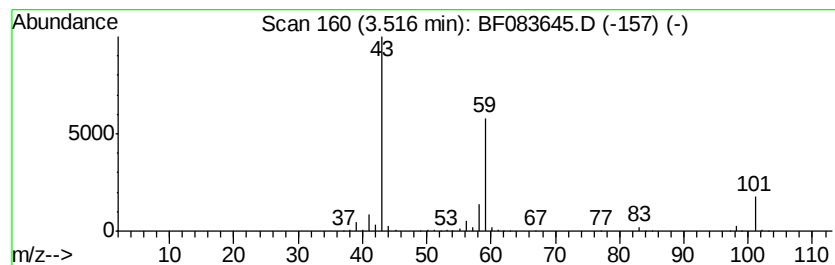
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	56.09 ng	2613830	1,4-Dichlorobenzene-d4	5.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4		3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9
5		Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9



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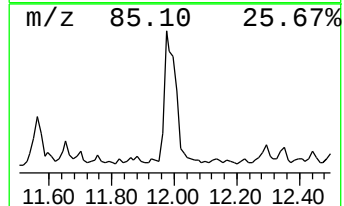
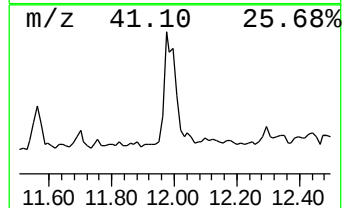
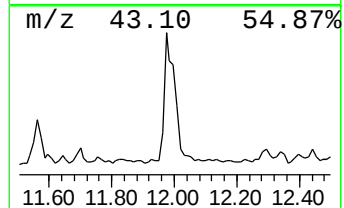
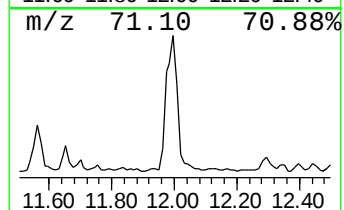
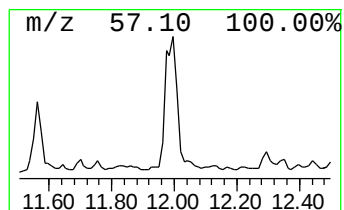
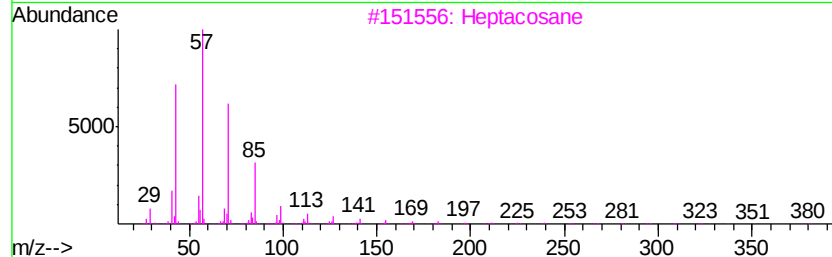
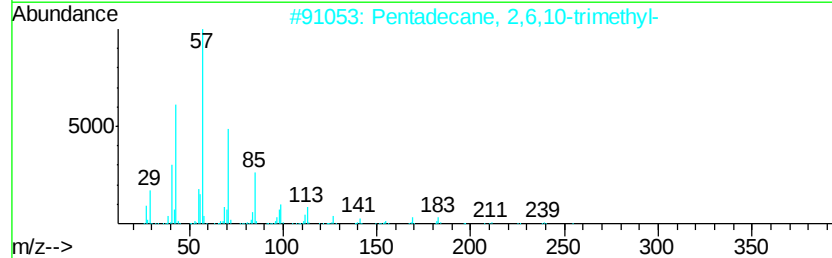
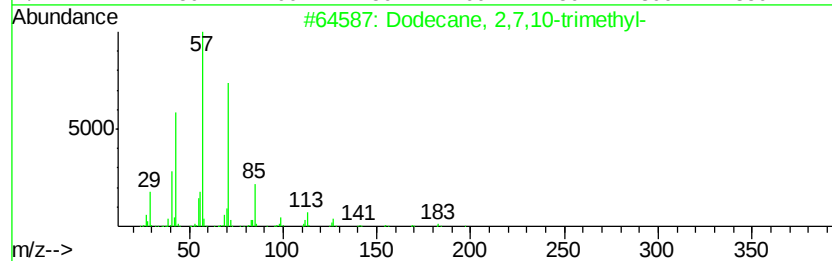
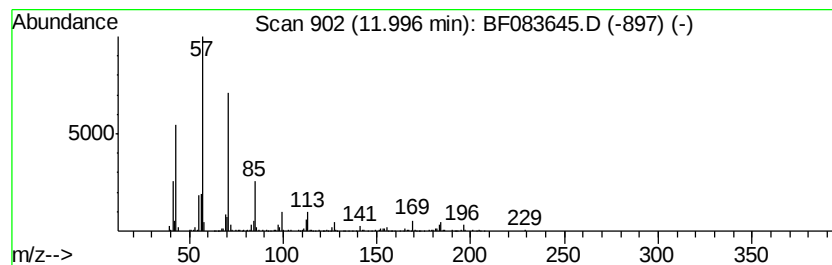
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dodecane, 2,7,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	16.06 ng	1028330	Phenanthrene-d10	12.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
3		Heptacosane	380	C27H56	000593-49-7	72
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72



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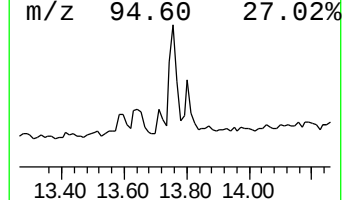
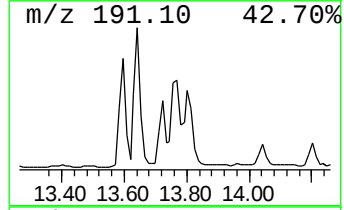
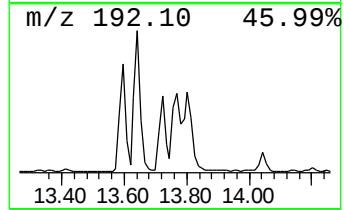
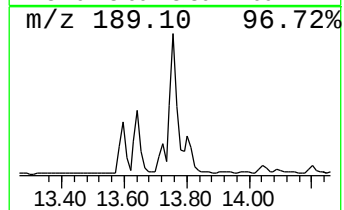
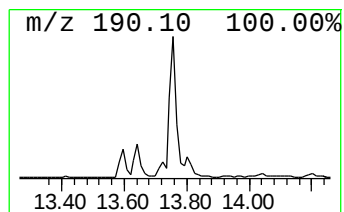
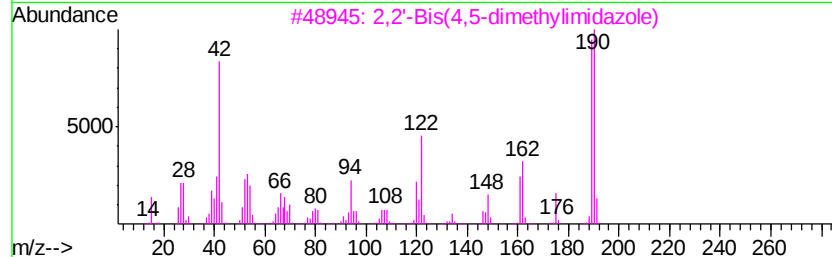
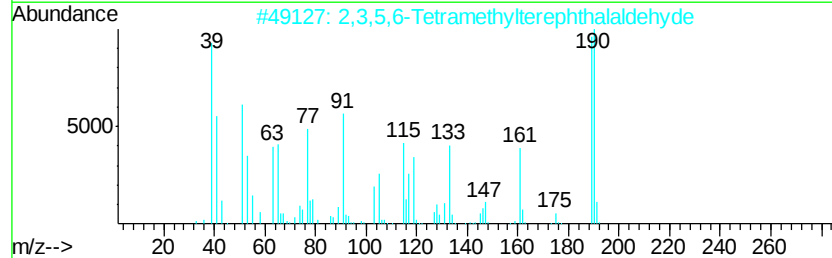
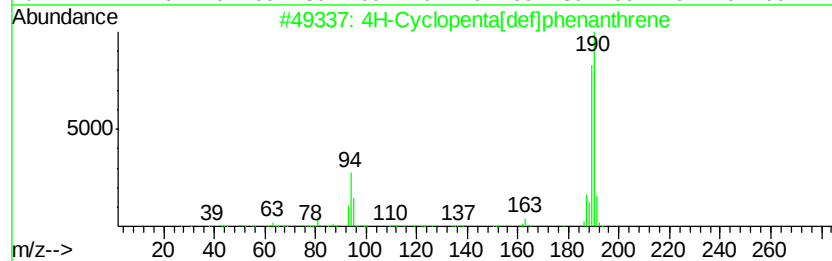
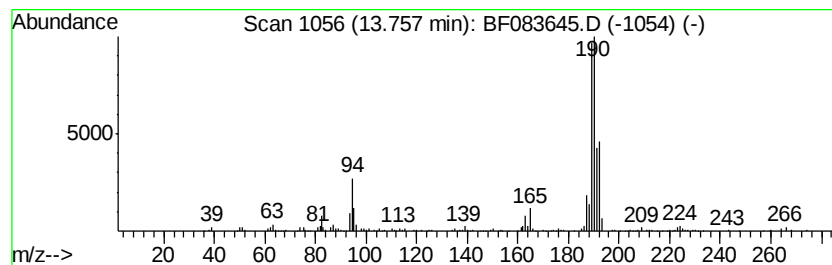
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.77 ng	433487	Phenanthrene-d10	12.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	38
5		3H-Indazole-3-carbonitrile, 3-(4...	253	C14H8ClN3	056630-97-8	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
Data File : BF083645.D
Acq On : 9 Dec 2015 18:02
Operator : UM/IZ
Sample : G4561-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB17A(6-6.5)

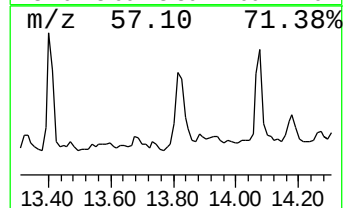
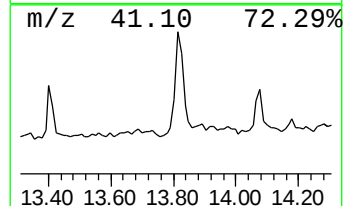
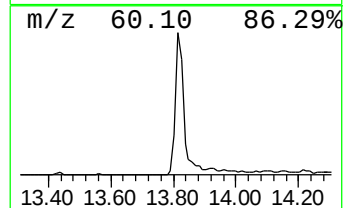
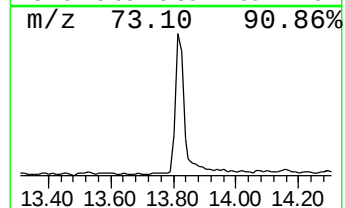
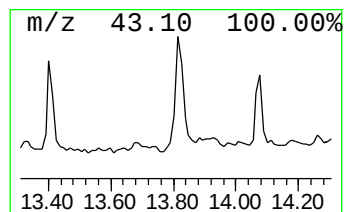
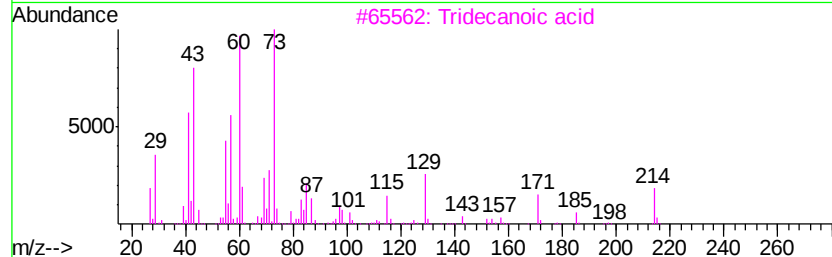
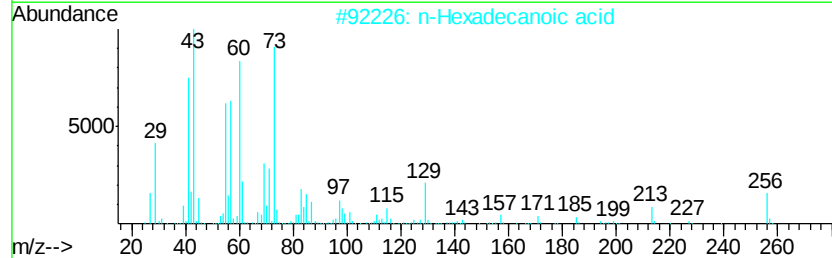
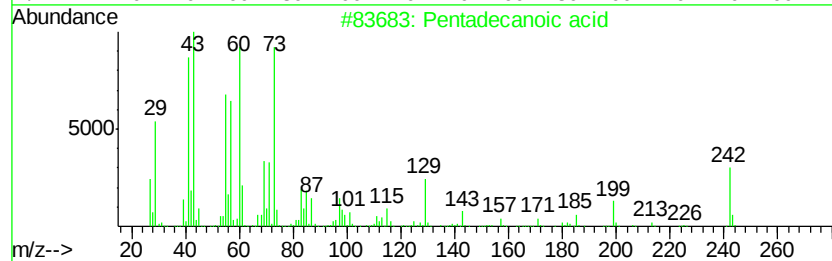
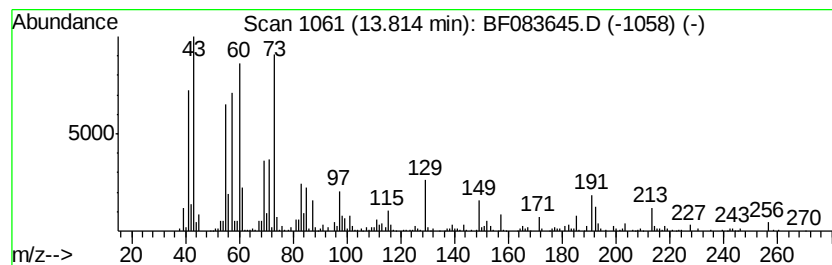
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.81	12.72 ng	814716	Phenanthrene-d10		12.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
3			Tridecanoic acid	214	C13H26O2	000638-53-9	76
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5			Dodecanoic acid	200	C12H24O2	000143-07-7	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
Data File : BF083645.D
Acq On : 9 Dec 2015 18:02
Operator : UM/IZ
Sample : G4561-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

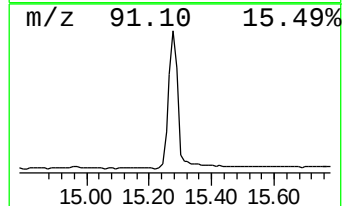
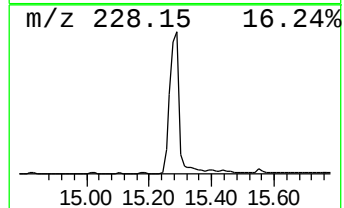
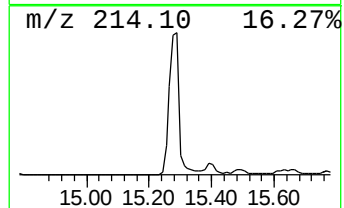
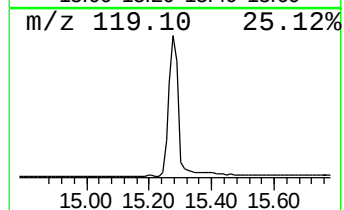
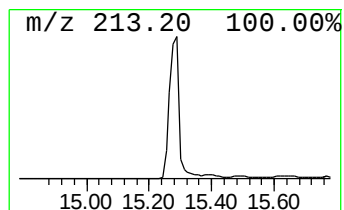
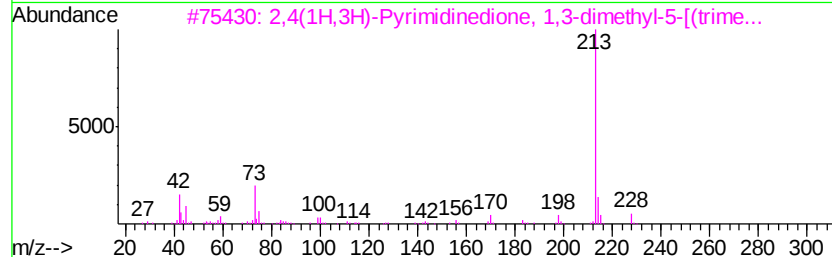
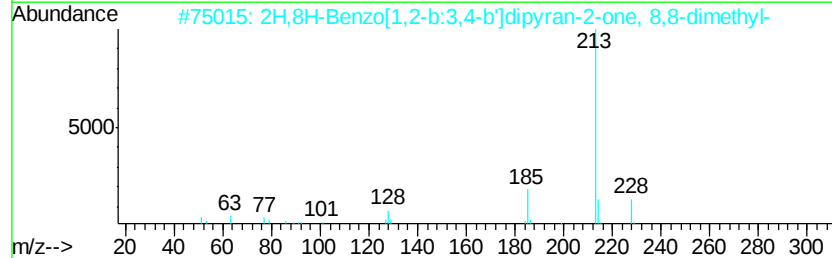
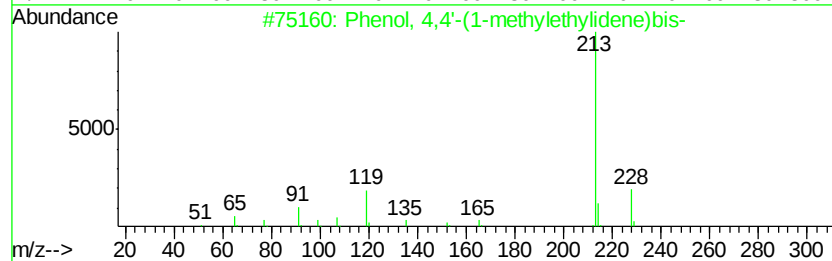
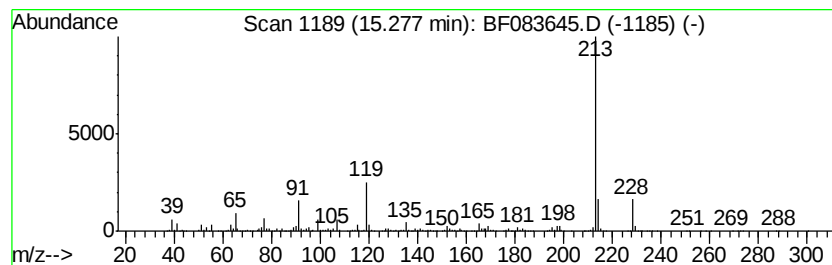
Instrument :
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ClientSampleId :
LS-SB17A(6-6.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.28	36.09 ng	5792290	Chrysene-d12	16.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96	
2	2H,8H-Benzo[1,2-b:3,4-b']dipyrans...	228	C14H12O3	000523-59-1	50	
3	2,4(1H,3H)-Pyrimidinedione, 1,3-...	228	C9H16N2O3Si	089447-84-7	50	
4	2H,8H-Benzo[1,2-b:5,4-b']dipyrans...	228	C14H12O3	000553-19-5	50	
5	Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	50	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB17A(6-6.5)

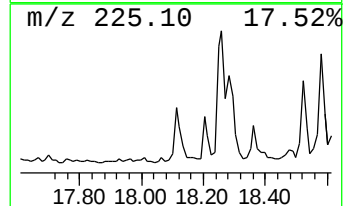
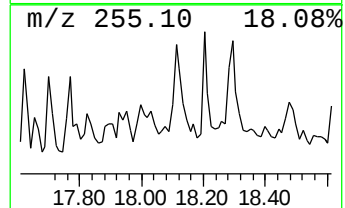
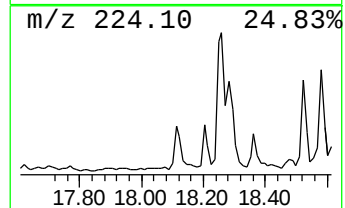
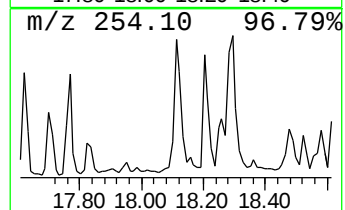
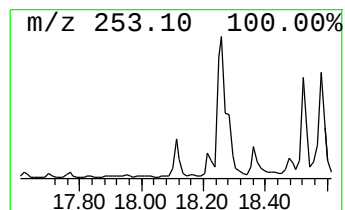
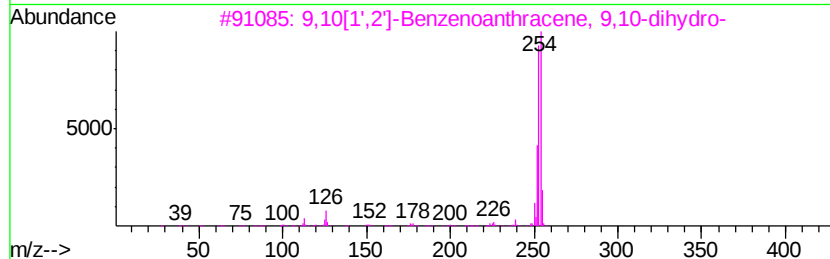
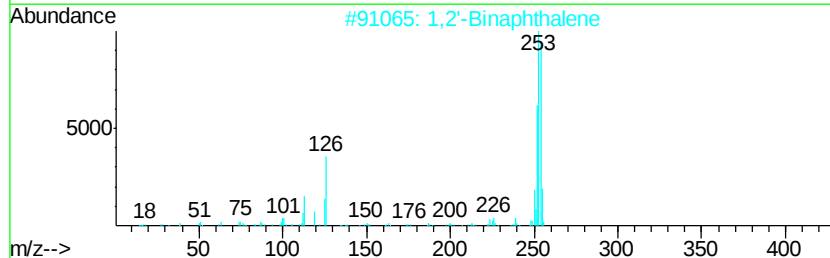
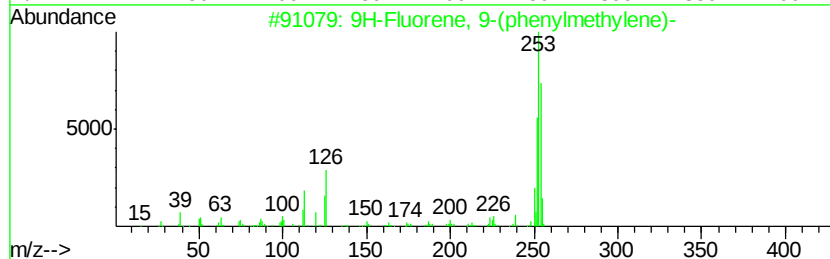
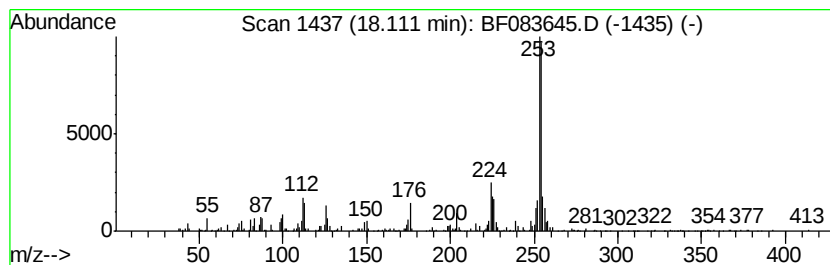
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9H-Fluorene, 9-(phenylmethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	35.73 ng	586554	Perylene-d12	18.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylen)-	254	C20H14	001836-87-9	74
2		1,2'-Binaphthalene	254	C20H14	004325-74-0	74
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
4		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	64
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
Data File : BF083645.D
Acq On : 9 Dec 2015 18:02
Operator : UM/IZ
Sample : G4561-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB17A(6-6.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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...	3.52	56.1	ng	2613830	1	5.68	932026	20.0
Dodecane, 2,7,10-...	12.00	16.1	ng	1028330	4	12.76	1280680	20.0
4H-Cyclopenta[def...	13.76	6.8	ng	433487	4	12.76	1280680	20.0
Pentadecanoic acid	13.81	12.7	ng	814716	4	12.76	1280680	20.0
Phenol, 4,4'-(1-m...	15.28	36.1	ng	5792290	5	16.98	3209640	20.0
9H-Fluorene, 9-(p...	18.11	35.7	ng	586554	6	18.64	328343	20.0