

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
 Data File : BF087466.D
 Acq On : 28 May 2016 4:21
 Operator : UM/SJ
 Sample : H3190-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

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-BF052316.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	1.632	3	4	33	rVB	2151779	4057476	83.46%	4.508%
2	4.753	274	277	290	rBV	92463	319765	6.58%	0.355%
3	5.393	330	333	348	rBV	2448127	4264399	87.72%	4.738%
4	5.644	352	355	361	rVV	83610	169210	3.48%	0.188%
5	7.050	475	478	480	rVV	2348267	4352624	89.53%	4.836%
6	7.142	483	486	490	rVV	3218240	4486065	92.28%	4.984%
7	7.210	490	492	496	rVV	110910	209235	4.30%	0.232%
8	7.484	513	516	520	rBV	604871	784693	16.14%	0.872%
9	7.724	533	537	549	rVB	2321298	3473089	71.44%	3.859%
10	8.399	594	596	599	rBV	1761477	2811790	57.84%	3.124%
11	9.519	692	694	696	rBV	700187	1018335	20.95%	1.131%
12	9.553	696	697	699	rVV	195395	209740	4.31%	0.233%
13	10.582	779	787	791	rBV	99984	175388	3.61%	0.195%
14	10.673	791	795	799	rVV2	262279	436057	8.97%	0.484%
15	10.833	806	809	812	rBV	201365	298983	6.15%	0.332%
16	11.302	846	850	852	rBV	2926745	4632633	95.29%	5.147%
17	11.588	872	875	882	rVB3	55962	145351	2.99%	0.161%
18	11.713	882	886	888	rBV	64350	162291	3.34%	0.180%
19	11.816	893	895	897	rVV	148858	212480	4.37%	0.236%
20	11.862	897	899	903	rVB	132599	194572	4.00%	0.216%
21	11.988	907	910	912	rVV	509095	702151	14.44%	0.780%
22	12.022	912	913	919	rVB2	184094	229382	4.72%	0.255%
23	12.113	919	921	926	rBV	665753	874315	17.98%	0.971%
24	12.342	938	941	945	rBV2	789315	1262239	25.96%	1.402%
25	12.685	969	971	974	rVV2	125558	231873	4.77%	0.258%
26	12.891	986	989	991	rVB	96488	160529	3.30%	0.178%
27	13.176	1011	1014	1017	rBV	220785	322610	6.64%	0.358%
28	13.234	1017	1019	1023	rVB2	150986	236272	4.86%	0.262%
29	13.531	1039	1045	1048	rVV3	131882	362407	7.45%	0.403%
30	13.634	1052	1054	1059	rVV2	1663677	2499741	51.42%	2.777%
31	13.862	1072	1074	1077	rVB	108696	153306	3.15%	0.170%
32	13.977	1079	1084	1086	rBV2	291741	708965	14.58%	0.788%
33	14.365	1115	1118	1122	rVV4	94720	284714	5.86%	0.316%
34	14.468	1125	1127	1130	rVV	108690	177145	3.64%	0.197%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.685	1144	1146	1148	rBV	172347	218708	4.50%	0.243%
36	14.742	1148	1151	1153	rBV	696599	913361	18.79%	1.015%
37	14.777	1153	1154	1158	rVB	643966	780810	16.06%	0.867%
38	14.868	1159	1162	1166	rBV	587677	842298	17.33%	0.936%
39	14.959	1168	1170	1175	rVB3	77558	152217	3.13%	0.169%
40	15.165	1186	1188	1193	rVV	236935	446070	9.18%	0.496%
41	15.359	1203	1205	1207	rVV	153035	185829	3.82%	0.206%
42	15.542	1218	1221	1223	rBV	169713	249440	5.13%	0.277%
43	15.577	1223	1224	1227	rVV	222831	262606	5.40%	0.292%
44	15.657	1229	1231	1232	rBV	130030	168135	3.46%	0.187%
45	15.691	1232	1234	1236	rVV	253936	379799	7.81%	0.422%
46	15.737	1236	1238	1242	rVV2	242815	367864	7.57%	0.409%
47	15.965	1255	1258	1259	rVV3	122209	201857	4.15%	0.224%
48	16.045	1263	1265	1267	rBV	176453	251626	5.18%	0.280%
49	16.342	1288	1291	1293	rBV	275090	390013	8.02%	0.433%
50	16.468	1300	1302	1304	rVB	435943	504418	10.38%	0.560%
51	16.514	1304	1306	1307	rBV	122647	151596	3.12%	0.168%
52	16.560	1307	1310	1312	rBV	3438924	4297855	88.41%	4.775%
53	16.651	1315	1318	1319	rBV2	162236	214909	4.42%	0.239%
54	16.685	1319	1321	1323	rVB	241401	260721	5.36%	0.290%
55	16.857	1333	1336	1339	rBV	3267931	4649746	95.65%	5.166%
56	16.948	1339	1344	1345	rBV3	167564	251444	5.17%	0.279%
57	17.040	1351	1352	1355	rBV	194676	252292	5.19%	0.280%
58	17.097	1355	1357	1360	rVB	2248585	3298638	67.85%	3.665%
59	17.177	1360	1364	1368	rBV2	283086	592209	12.18%	0.658%
60	17.291	1371	1374	1375	rBV	400845	703816	14.48%	0.782%
61	17.383	1380	1382	1383	rBV2	91314	157811	3.25%	0.175%
62	17.451	1386	1388	1394	rBV3	633079	1087372	22.37%	1.208%
63	17.543	1394	1396	1397	rBV	99235	147905	3.04%	0.164%
64	17.565	1397	1398	1400	rVB	285906	278949	5.74%	0.310%
65	17.840	1418	1422	1423	rBV4	124087	286152	5.89%	0.318%
66	18.000	1434	1436	1439	rVB	518182	604599	12.44%	0.672%
67	18.125	1445	1447	1448	rBV	304354	413629	8.51%	0.460%
68	18.148	1448	1449	1451	rVB2	487898	541524	11.14%	0.602%
69	18.183	1451	1452	1454	rBV	349444	508115	10.45%	0.565%
70	18.228	1454	1456	1458	rVB	302367	374004	7.69%	0.416%
71	18.285	1458	1461	1465	rBV2	416679	773719	15.92%	0.860%

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72	18.354	1465	1467	1469	rBV	113797	157980	3.25%	0.176%
73	18.400	1469	1471	1472	rBV2	140992	205145	4.22%	0.228%
74	18.446	1472	1475	1477	rVV2	2005934	3635280	74.78%	4.039%
75	18.491	1477	1479	1483	rVV	1771164	2383144	49.02%	2.648%
76	18.571	1485	1486	1488	rVV	157414	204444	4.21%	0.227%
77	18.663	1492	1494	1495	rVV	163603	235627	4.85%	0.262%
78	18.731	1498	1500	1502	rVV2	195390	300528	6.18%	0.334%
79	18.777	1502	1504	1506	rVB3	168741	234594	4.83%	0.261%
80	18.960	1517	1520	1522	rBV	349796	487707	10.03%	0.542%
81	18.994	1522	1523	1525	rVB	217692	218479	4.49%	0.243%
82	19.040	1525	1527	1528	rBV2	180433	282912	5.82%	0.314%
83	19.108	1531	1533	1535	rBV2	268698	434426	8.94%	0.483%
84	19.383	1555	1557	1560	rVB3	170930	305121	6.28%	0.339%
85	19.566	1571	1573	1576	rBV	381192	585714	12.05%	0.651%
86	19.726	1584	1587	1593	rBV	2235369	4861368	100.00%	5.401%
87	19.828	1595	1596	1599	rBV	502068	728067	14.98%	0.809%
88	20.011	1610	1612	1616	rBV	1403627	1781986	36.66%	1.980%
89	20.069	1616	1617	1621	rVV	1136789	1648612	33.91%	1.832%
90	20.126	1621	1622	1624	rVV	335071	418142	8.60%	0.465%
91	20.160	1624	1625	1627	rVB	264451	218606	4.50%	0.243%
92	20.960	1693	1695	1697	rBV2	95426	169167	3.48%	0.188%
93	21.051	1701	1703	1707	rVB4	114723	257349	5.29%	0.286%
94	21.120	1707	1709	1712	rVB	114319	177972	3.66%	0.198%
95	21.349	1727	1729	1733	rBV2	711860	1428624	29.39%	1.587%
96	21.543	1744	1746	1749	rVB2	106541	187245	3.85%	0.208%
97	21.703	1757	1760	1765	rVB	430050	769762	15.83%	0.855%
98	21.932	1778	1780	1784	rVB2	84934	159758	3.29%	0.177%
99	23.520	1916	1919	1925	rVB	89843	291443	6.00%	0.324%
100	23.692	1930	1934	1945	rVB	97605	458872	9.44%	0.510%

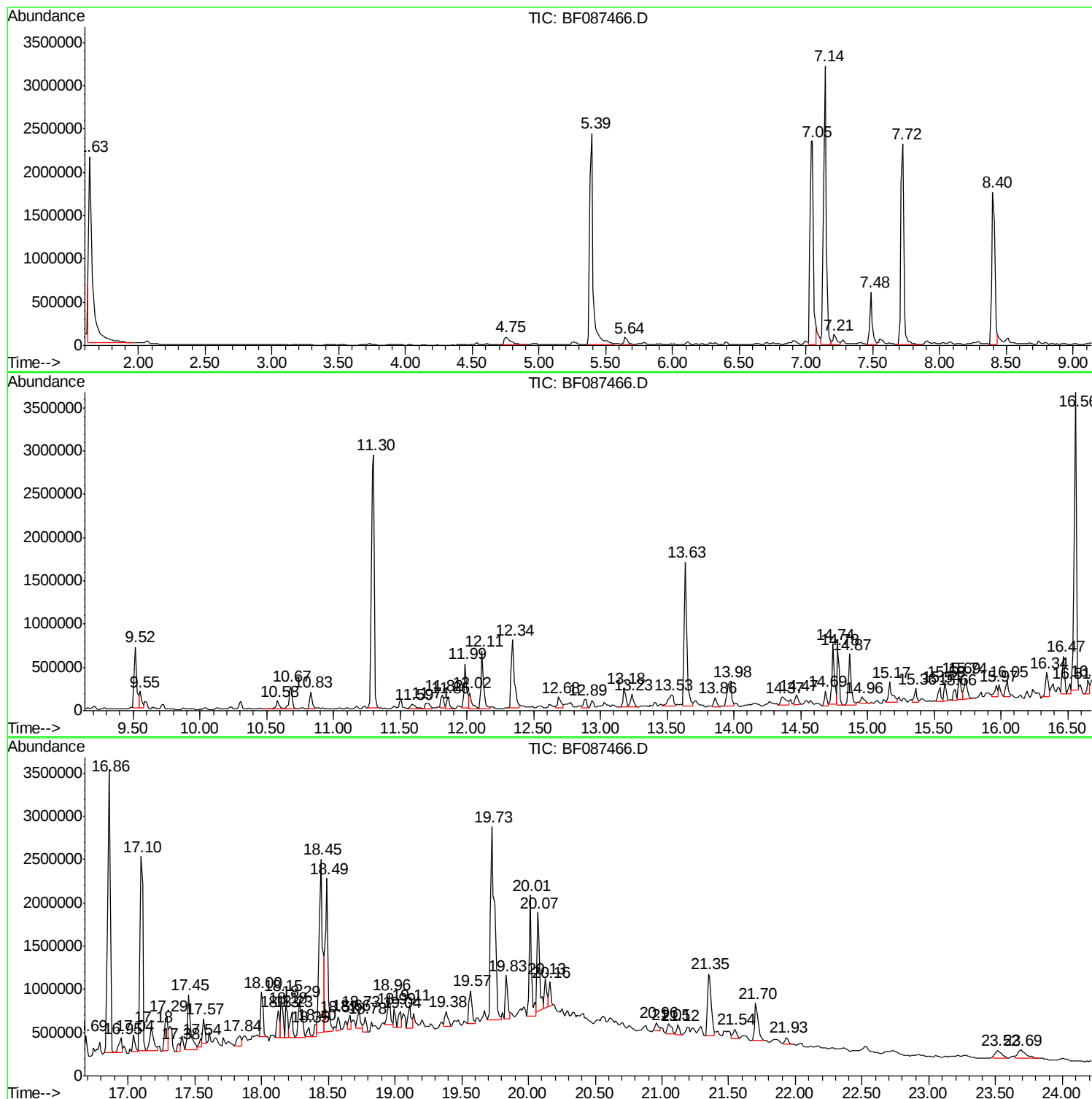
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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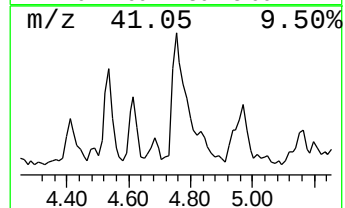
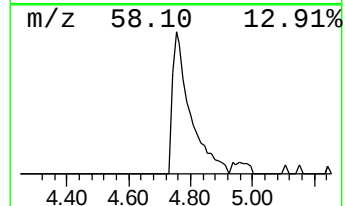
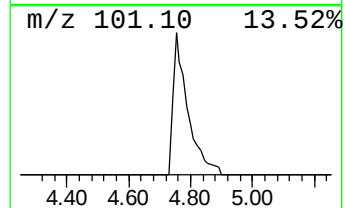
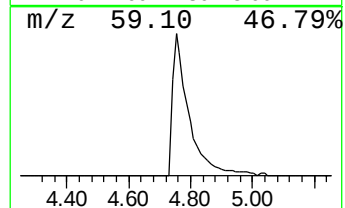
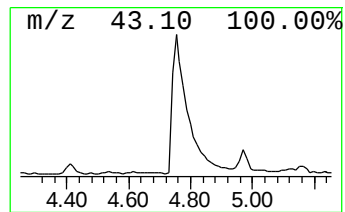
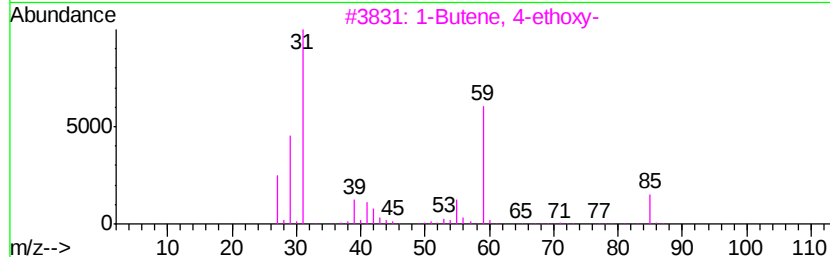
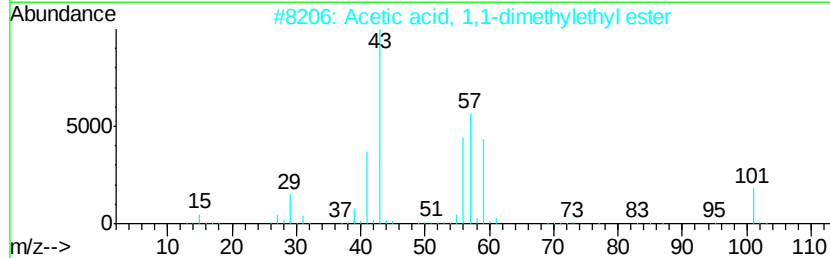
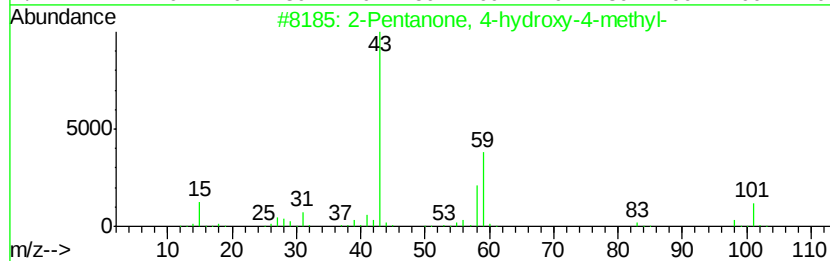
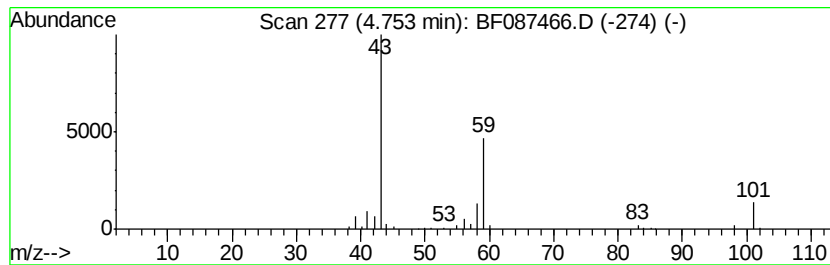
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	8.15 ng	319765	1,4-Dichlorobenzene-d4	7.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	23
4			Butane	58	C4H10	000106-97-8	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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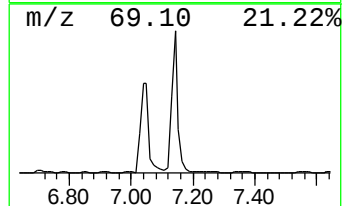
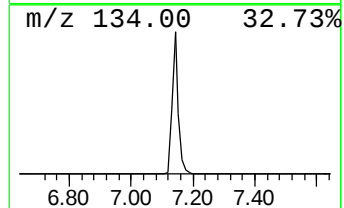
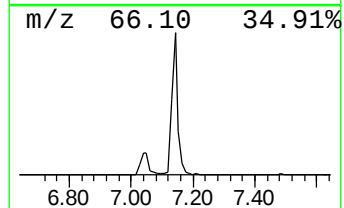
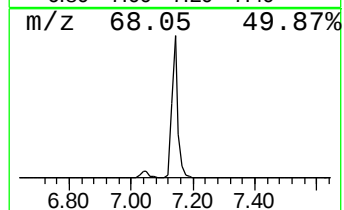
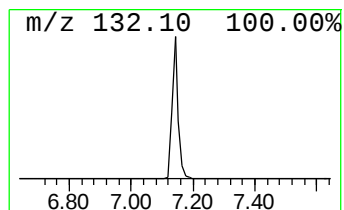
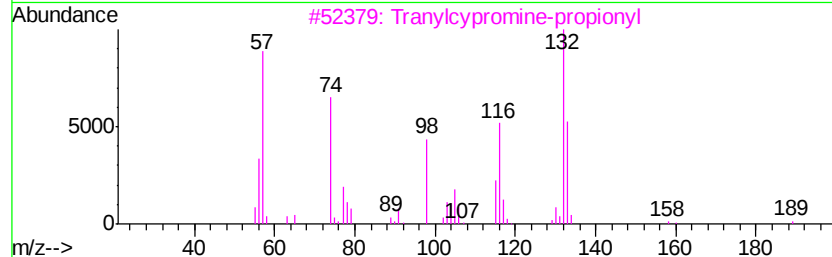
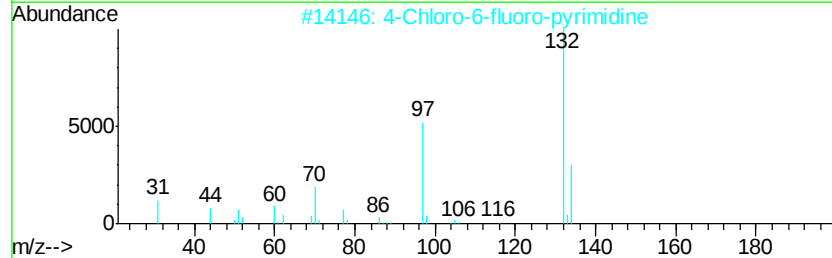
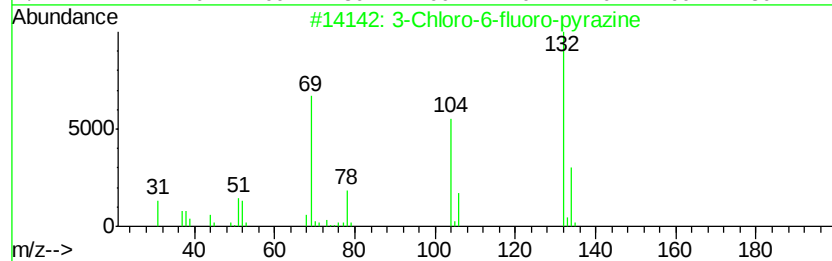
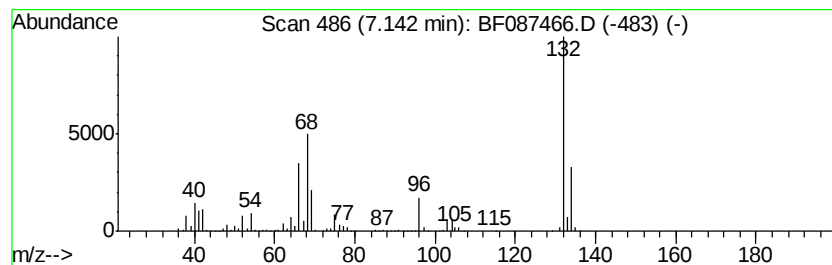
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.14 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	114.34 ng	4486070	1,4-Dichlorobenzene-d4	7.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	22
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



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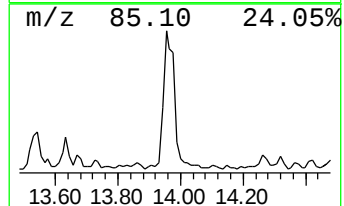
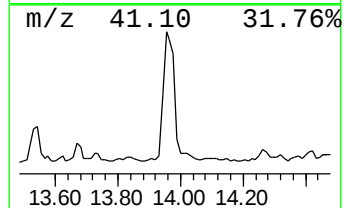
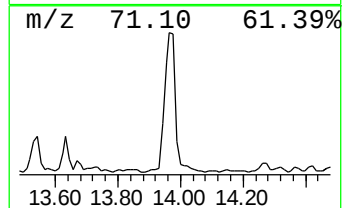
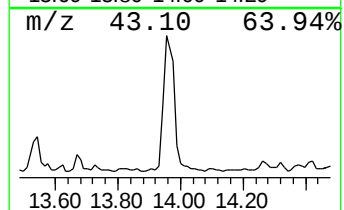
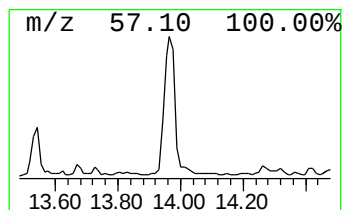
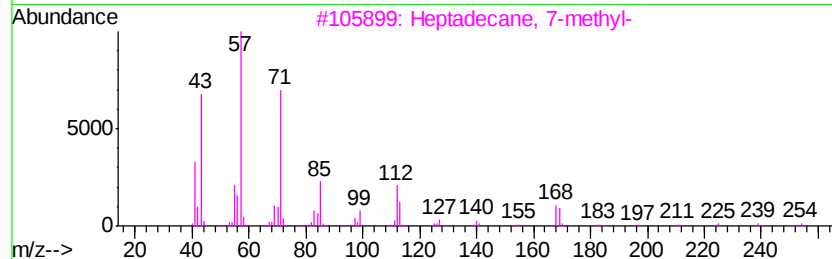
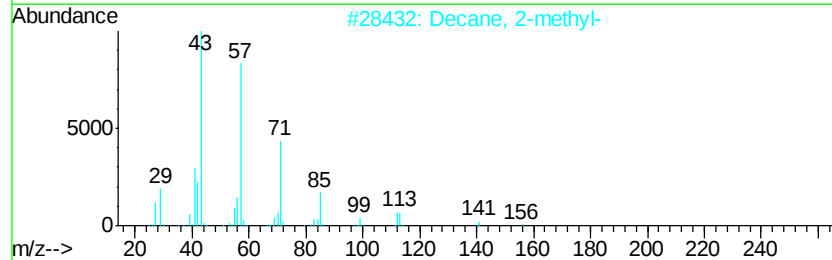
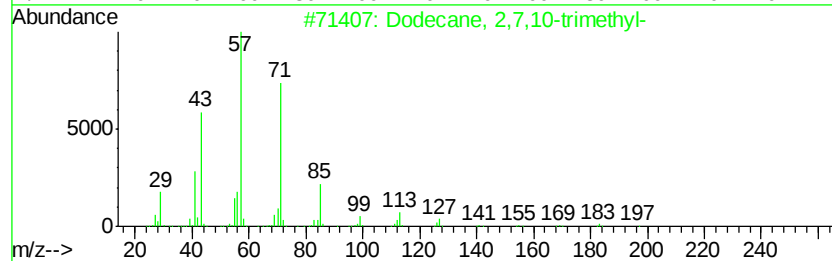
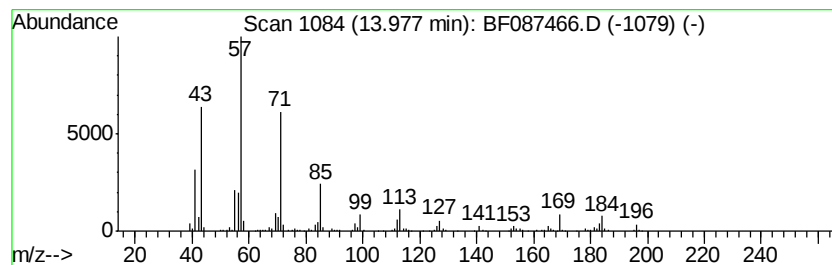
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.98	15.52 ng	708965	Phenanthrene-d10		14.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2			Decane, 2-methyl-	156	C11H24	006975-98-0	74
3			Heptadecane, 7-methyl-	254	C18H38	020959-33-5	64
4			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	58
5			Octane, 2-methyl-	128	C9H20	003221-61-2	52



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Acq On : 28 May 2016 4:21
Operator : UM/SJ
Sample : H3190-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CHS-STA-1711(0-4)

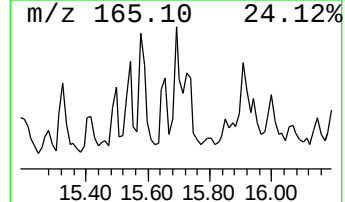
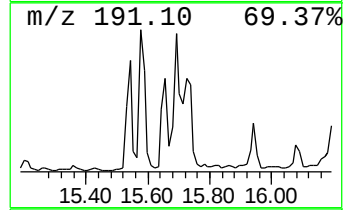
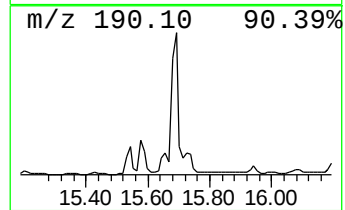
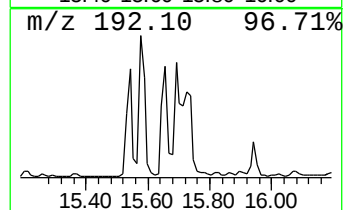
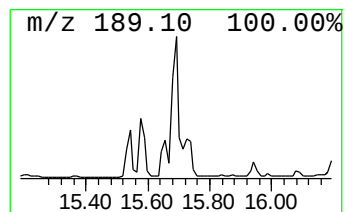
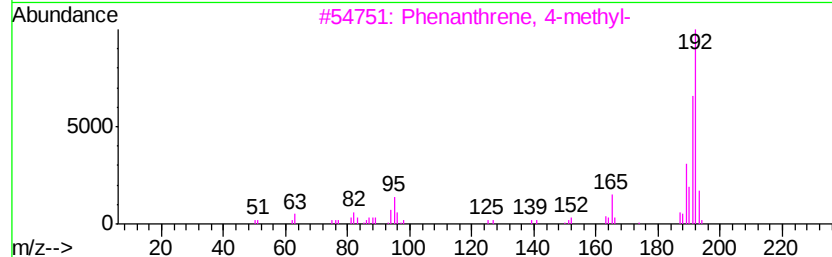
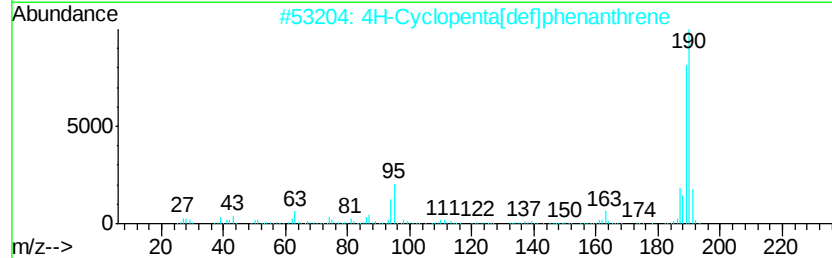
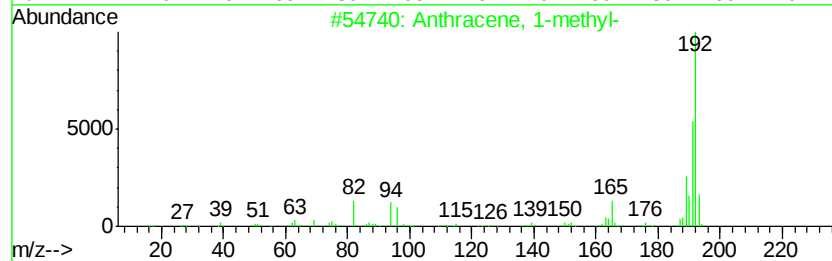
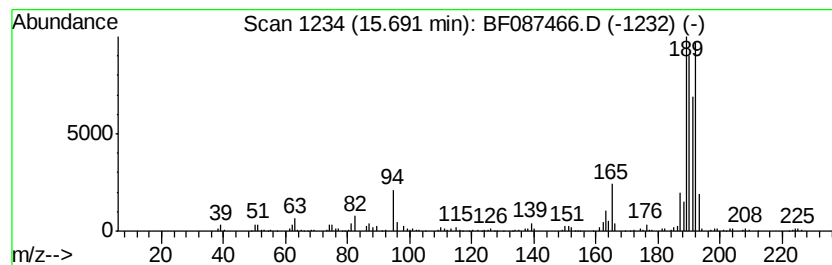
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	8.32 ng	379799	Phenanthrene-d10	14.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5			1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46



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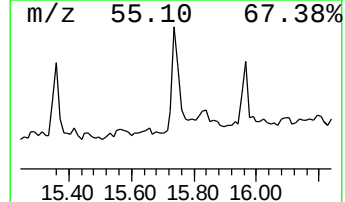
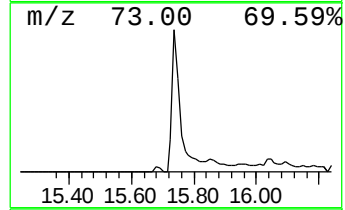
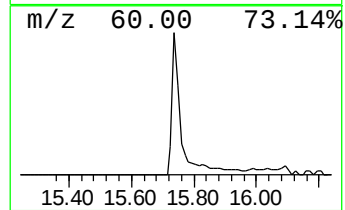
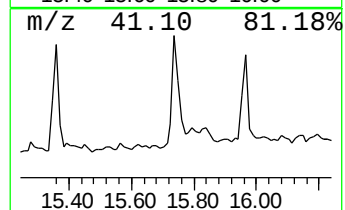
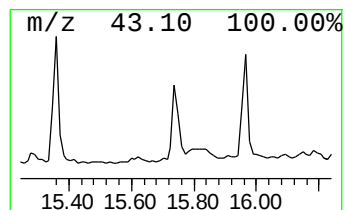
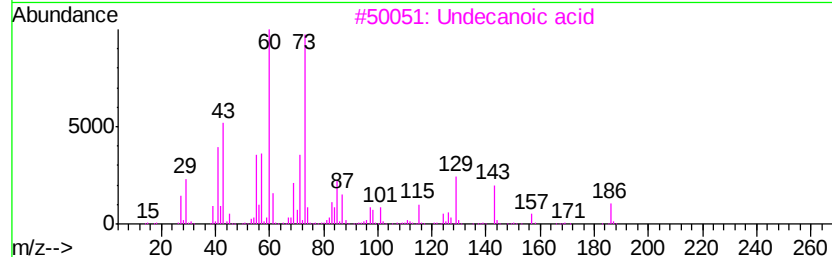
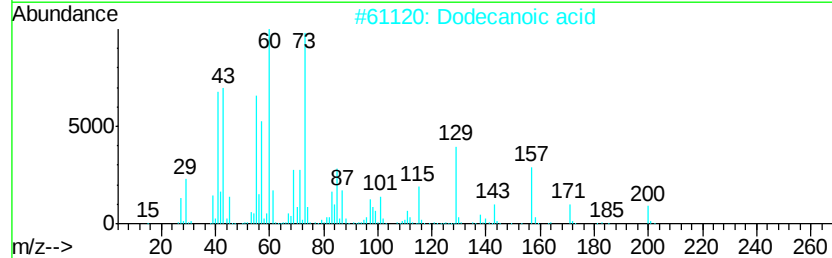
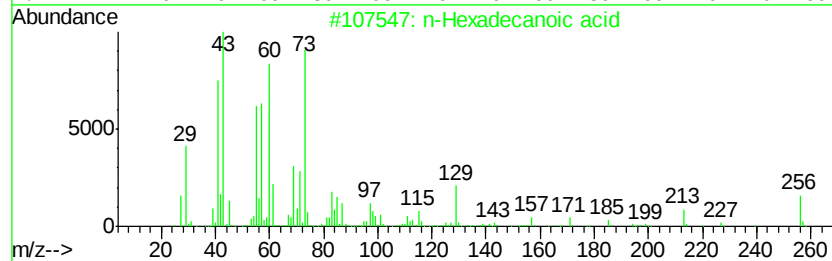
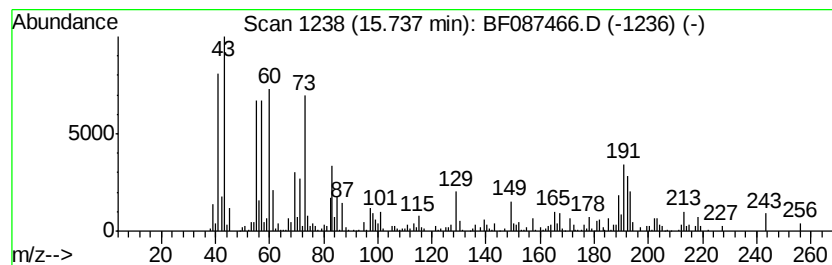
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 n-Hexadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	8.06 ng	367864	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	53
2		Dodecanoic acid	200	C12H24O2	000143-07-7	50
3		Undecanoic acid	186	C11H22O2	000112-37-8	50
4		Tridecanoic acid	214	C13H26O2	000638-53-9	50
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	49



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Operator : UM/SJ
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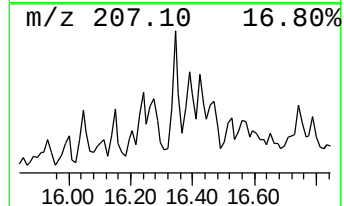
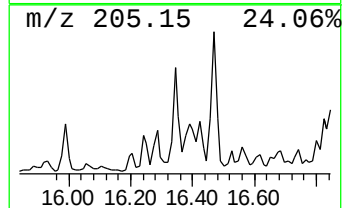
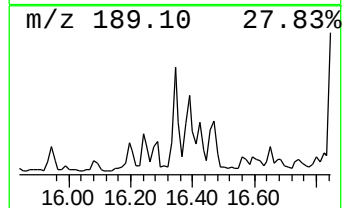
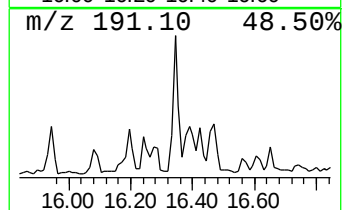
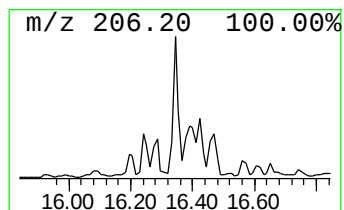
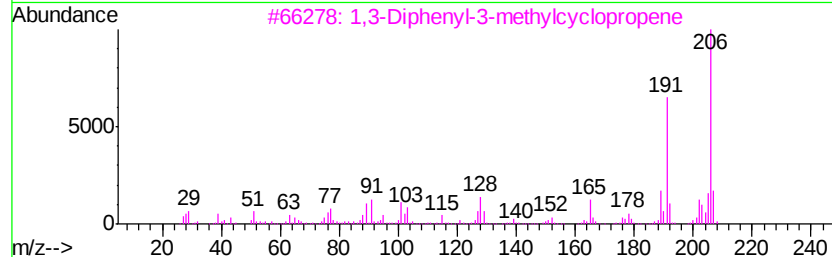
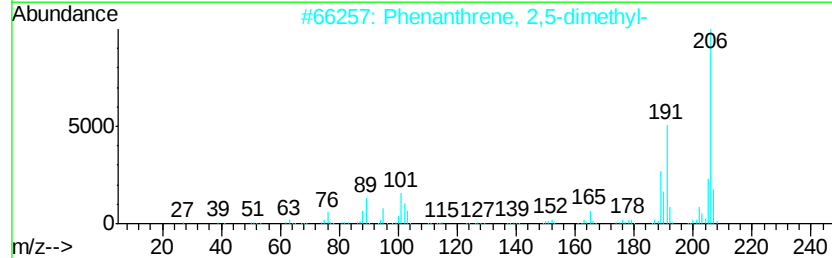
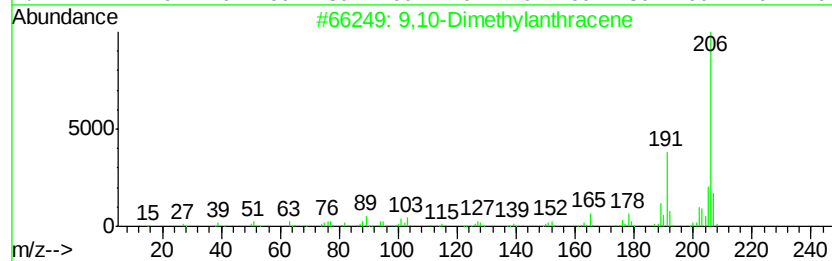
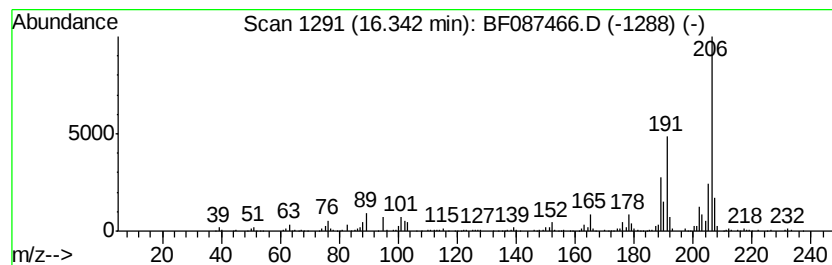
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	8.54 ng	390013	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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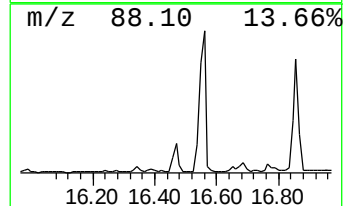
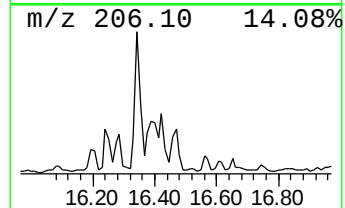
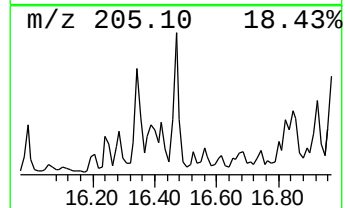
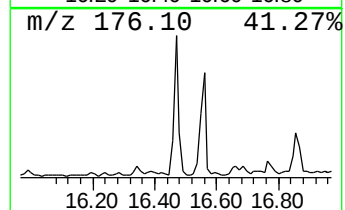
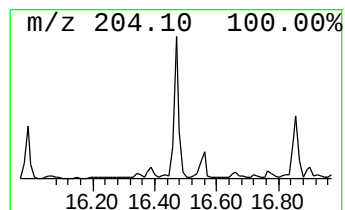
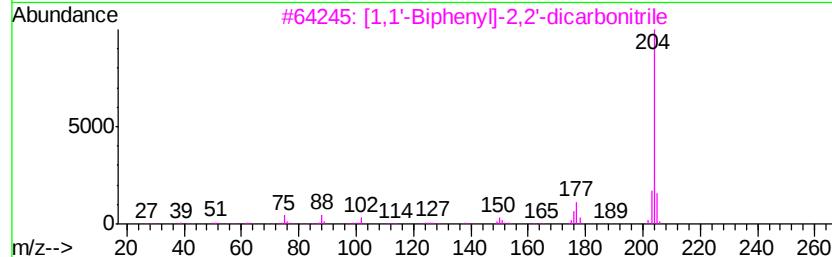
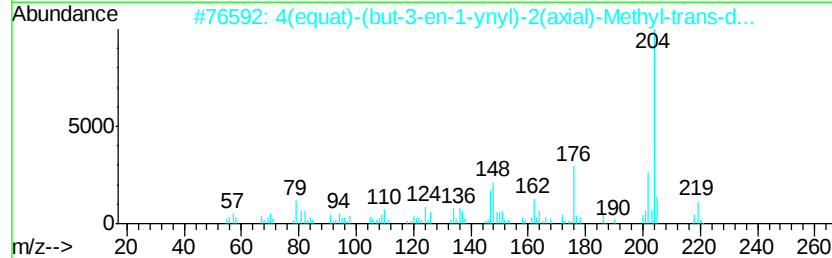
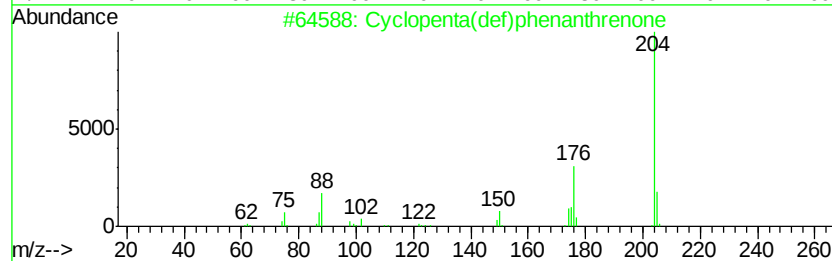
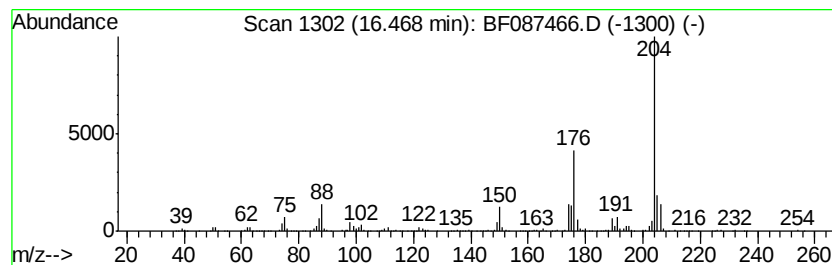
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	11.05 ng	504418	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43



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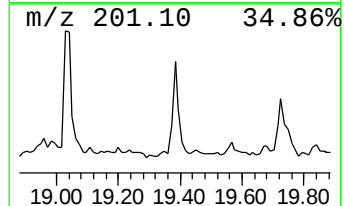
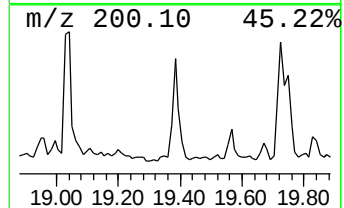
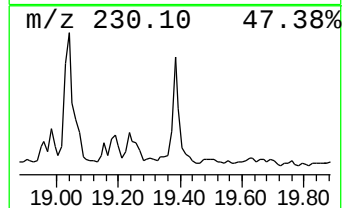
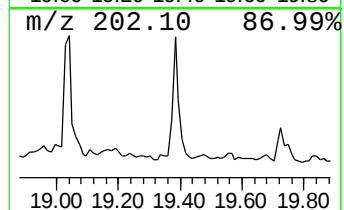
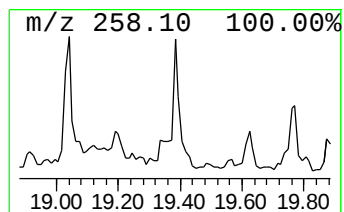
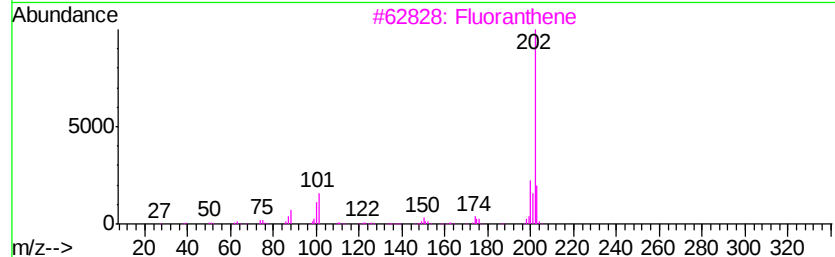
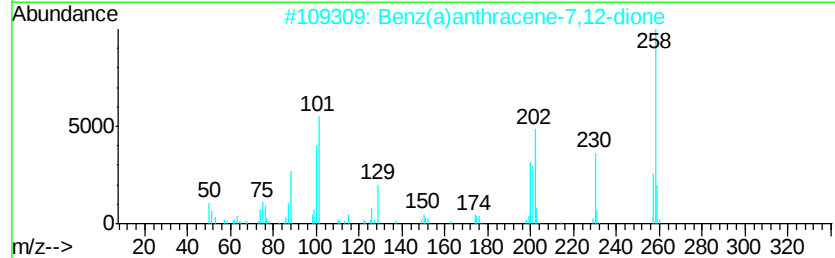
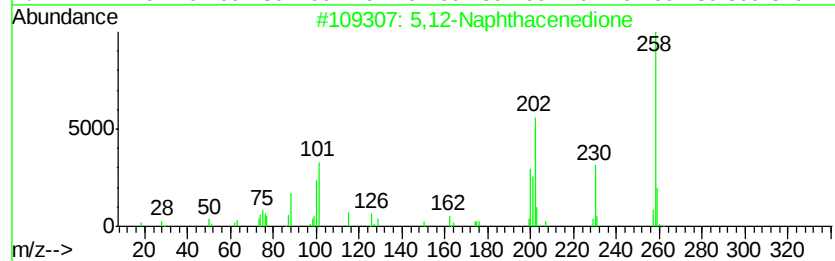
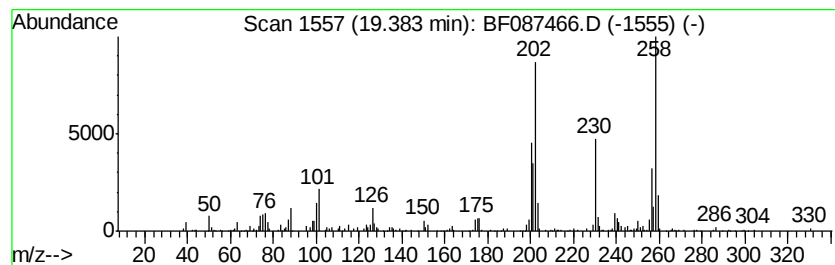
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 5,12-Naphthacenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	14.59 ng	305121	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	83
3		Fluoranthene	202	C16H10	000206-44-0	62
4		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
5		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	46



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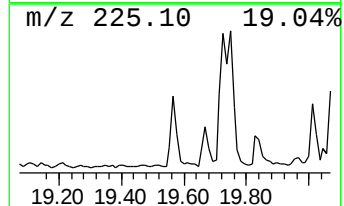
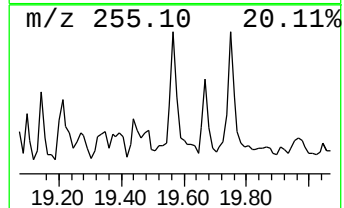
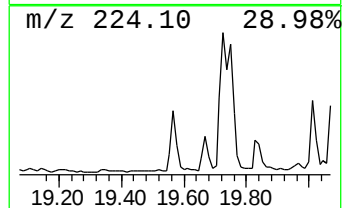
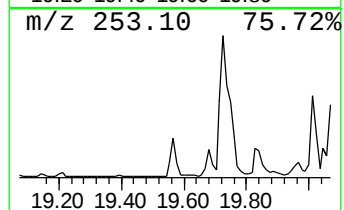
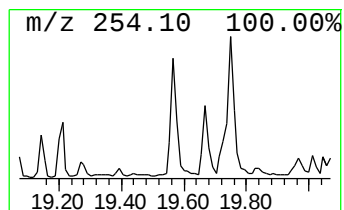
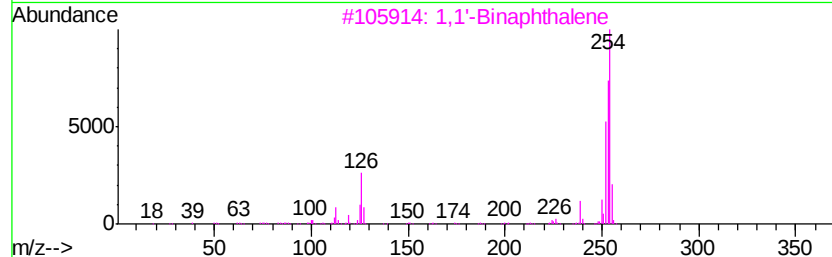
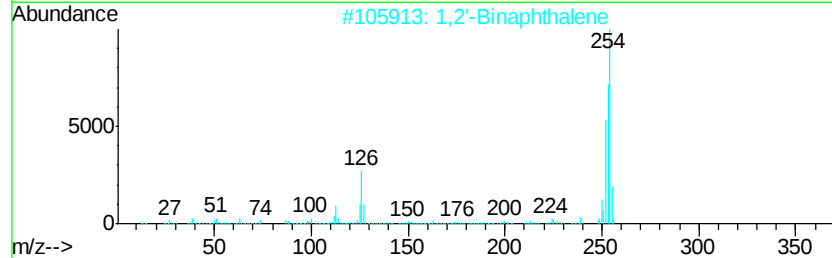
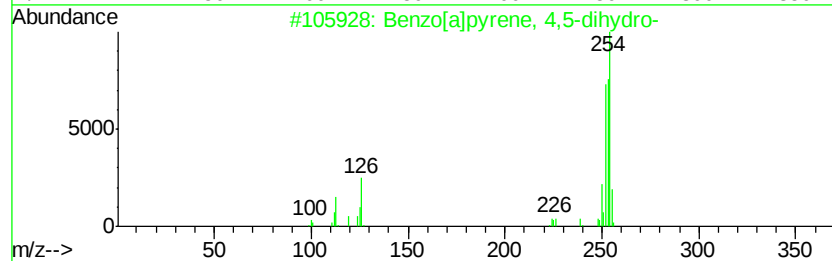
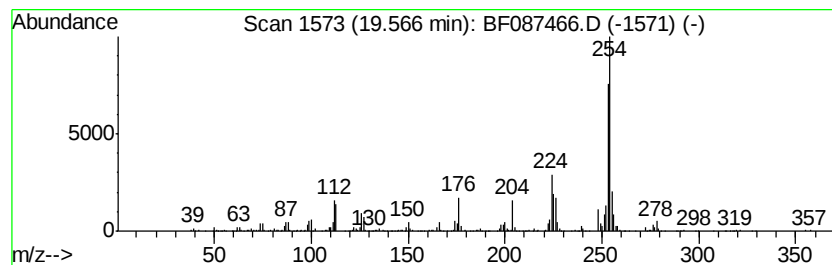
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TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	28.02 ng	585714	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	72
2		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	64
4		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
5		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58



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ALS Vial : 22 Sample Multiplier: 1

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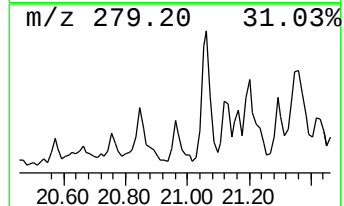
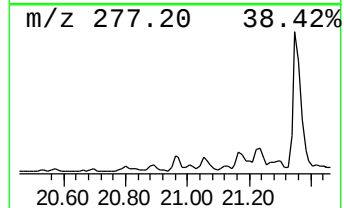
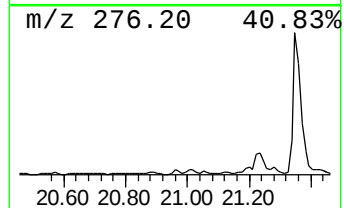
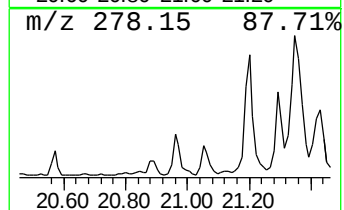
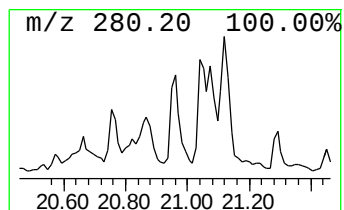
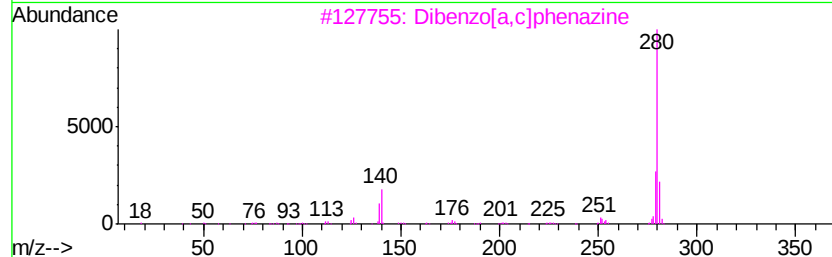
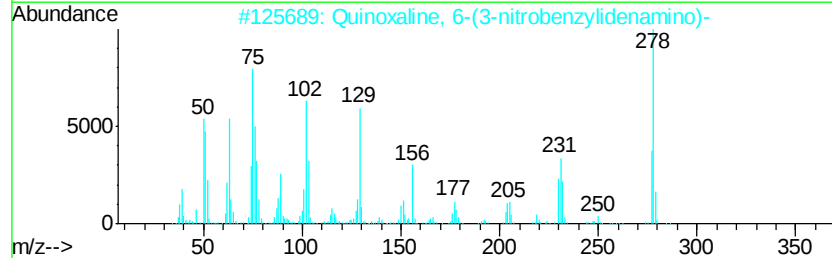
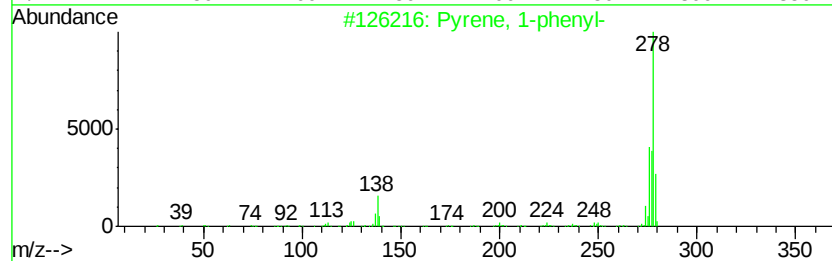
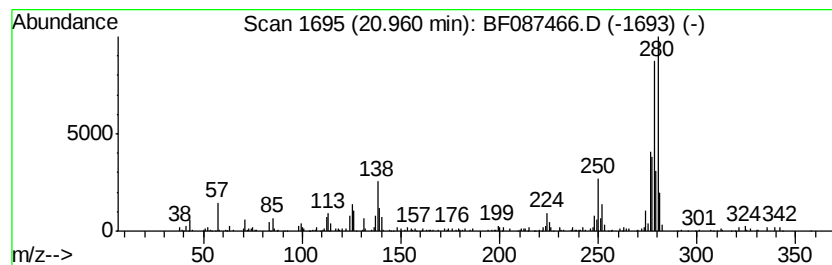
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown20.96 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	8.09 ng	169167	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	46
2		Quinoxaline, 6-(3-nitrobenzylideneamino)-	278	C15H10N4O2	302800-55-1	38
3		Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	30
4		1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	30
5		Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087466.D
Acq On : 28 May 2016 4:21
Operator : UM/SJ
Sample : H3190-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

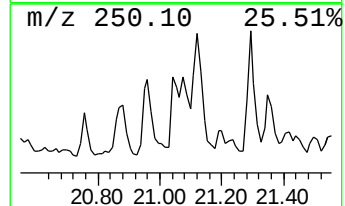
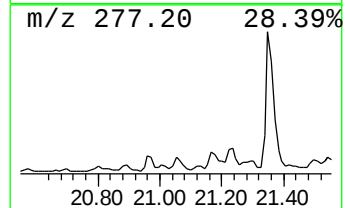
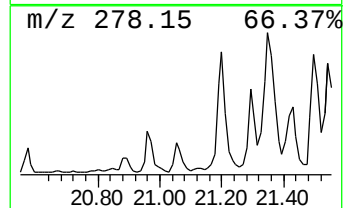
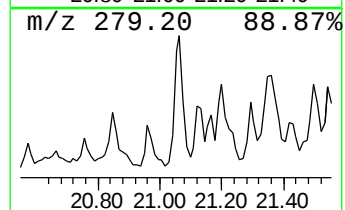
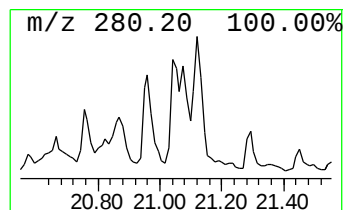
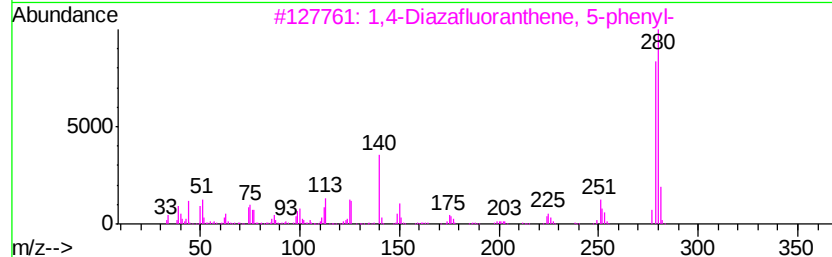
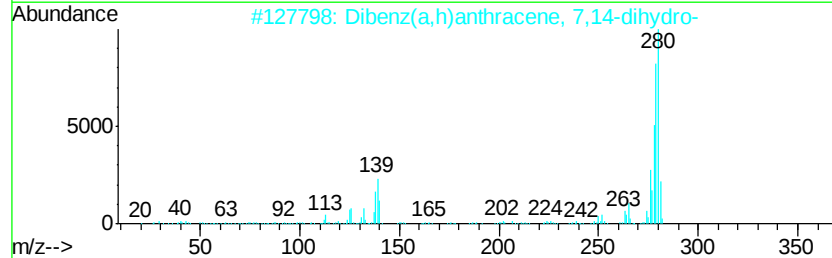
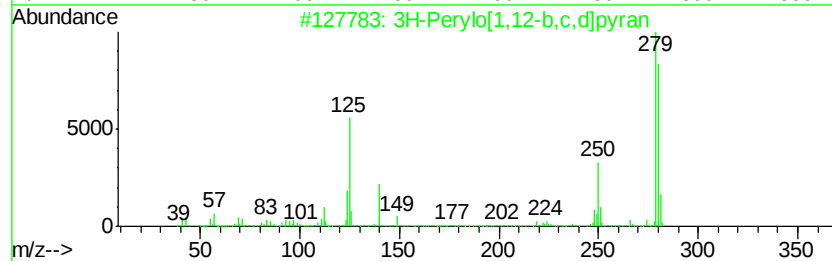
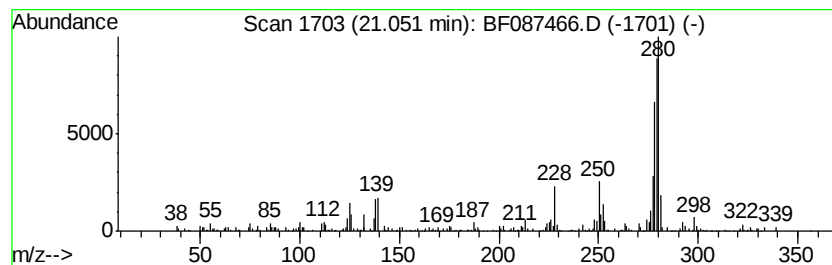
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ClientSampleId :
CHS-STA-1711(0-4)

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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 15 3H-Perylo[1,12-b,c,d]pyran Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.05	12.31 ng	257349	Perylene-d12	20.13		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Perylo[1,12-b,c,d]pyran	280	C21H12O	1000281-21-7	83	
2	Dibenz(a,h)anthracene, 7,14-dihy...	280	C22H16	057816-08-7	52	
3	1,4-Diazafluoranthene, 5-phenyl-	280	C20H12N2	1000303-05-1	49	
4	4H-1-Benzopyran-8-carboxylic aci...	280	C17H12O4	003468-01-7	46	
5	Dibenz(a,c)acridine	279	C21H13N	000215-62-3	45	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087466.D
Acq On : 28 May 2016 4:21
Operator : UM/SJ
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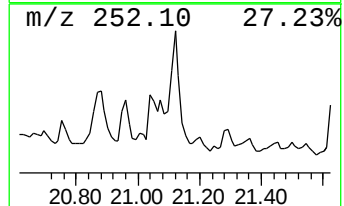
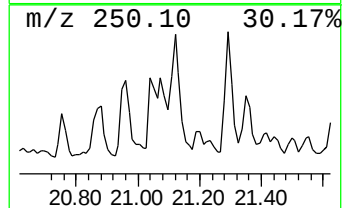
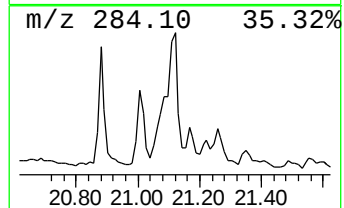
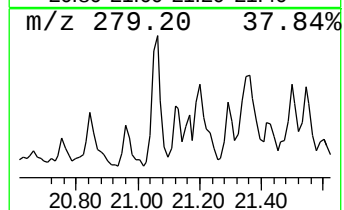
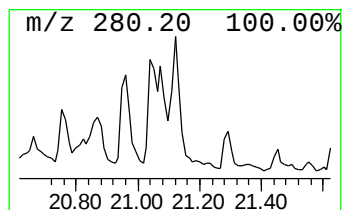
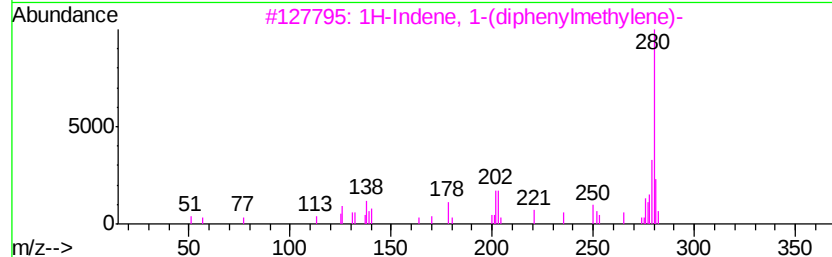
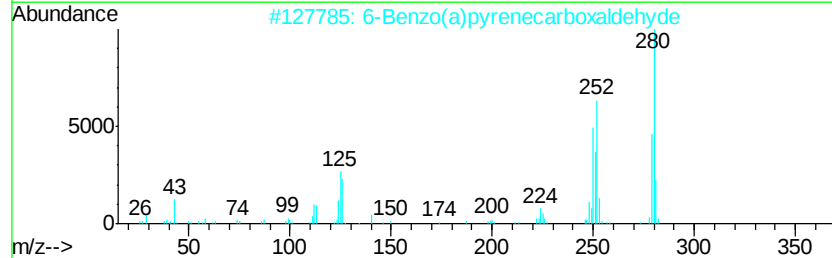
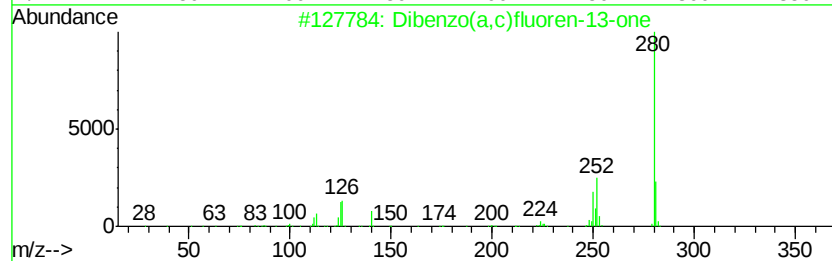
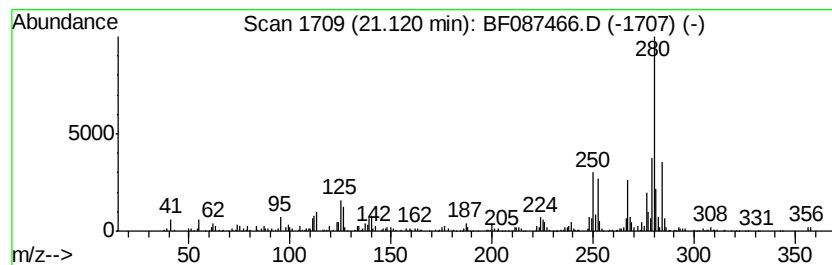
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dibenzo(a,c)fluoren-13-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	8.51 ng	177972	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	91
2		6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	86
3		1H-Indene, 1-(diphenylmethyl)-	280	C22H16	013245-90-4	53
4		3-Methoxy-D-homo-18-norestra-1,3...	280	C19H20O2	021070-83-7	49
5		3-Benzo[1,2,5]thiadiazol-4-yl-3H...	280	C14H8N4OS	1000274-81-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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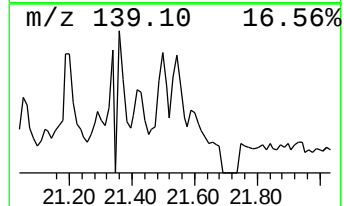
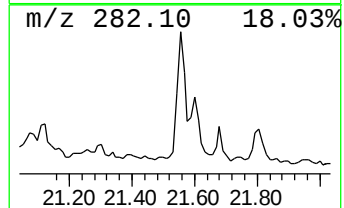
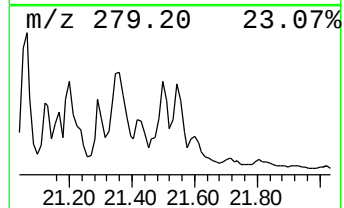
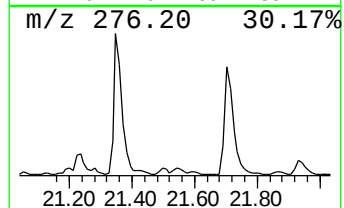
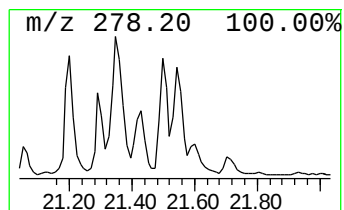
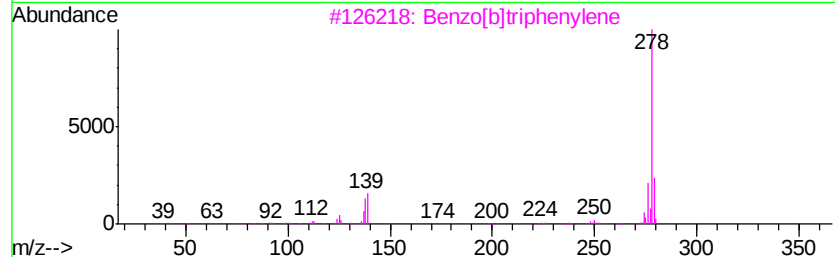
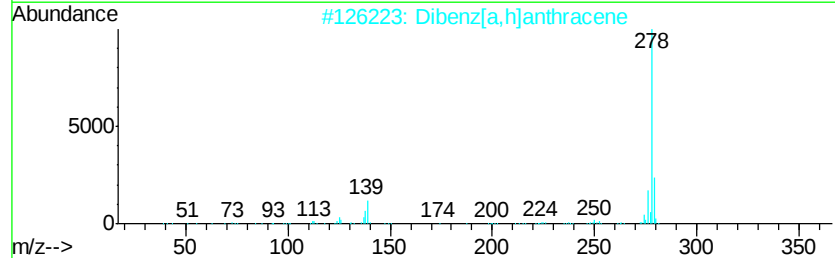
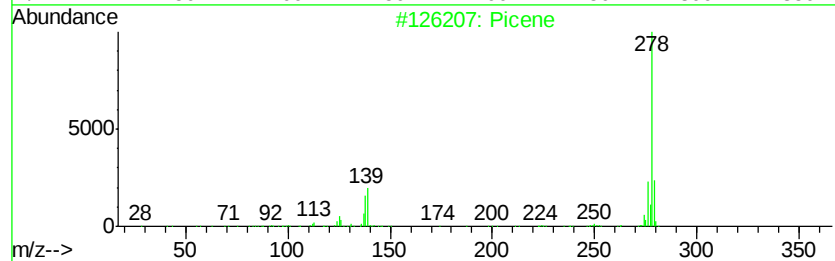
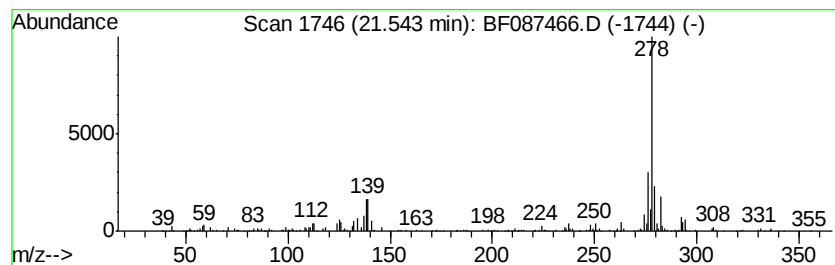
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	8.96 ng	187245	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	96
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
4		Pentacene	278	C22H14	000135-48-8	92
5		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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Instrument :
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ClientSampleId :
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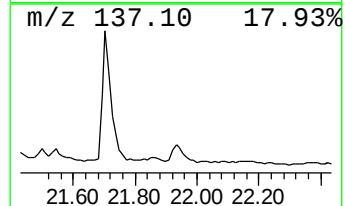
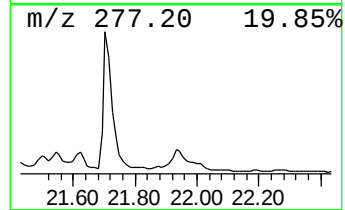
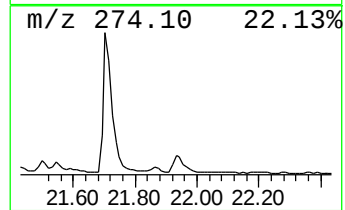
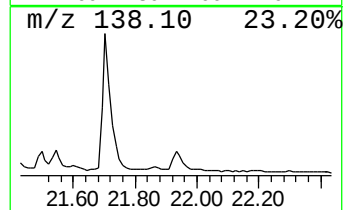
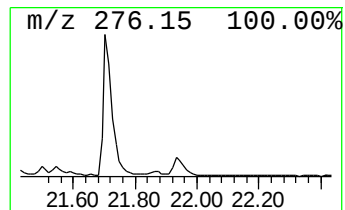
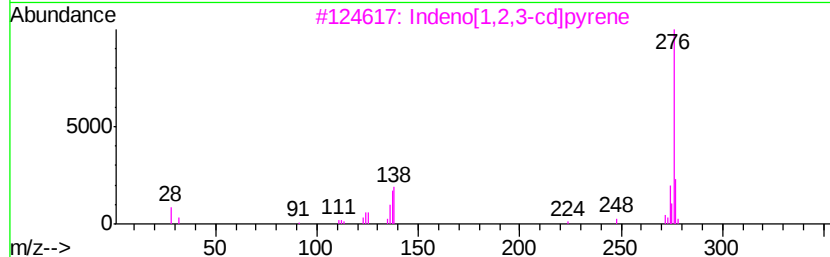
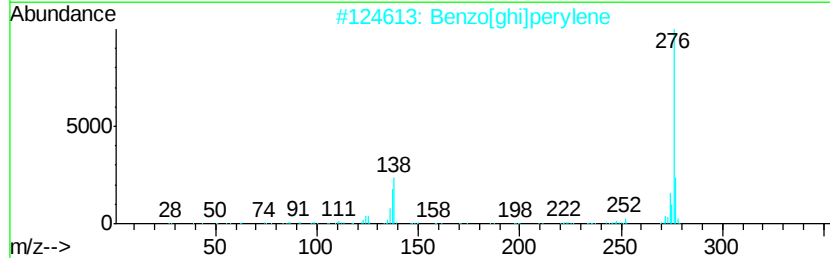
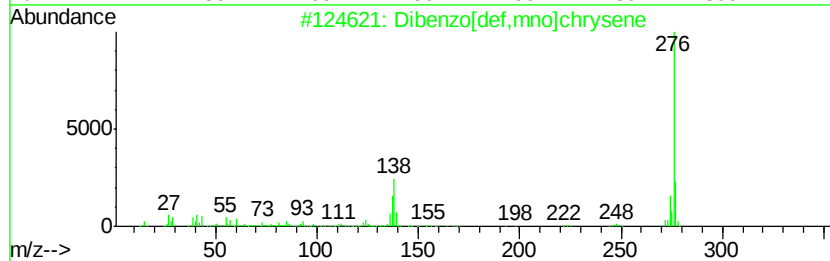
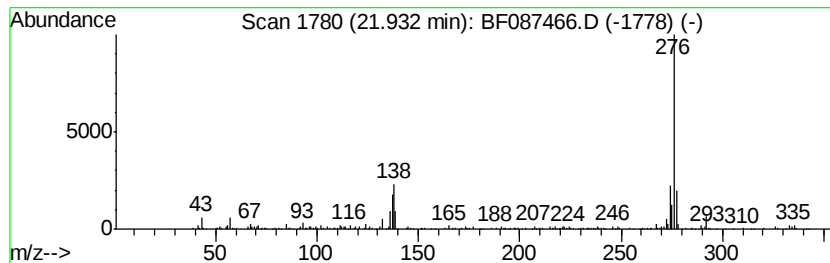
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	7.64 ng	159758	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4		1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	45
5		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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Acq On : 28 May 2016 4:21
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Instrument :
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ClientSampleId :
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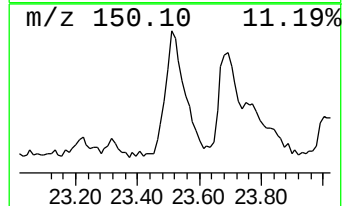
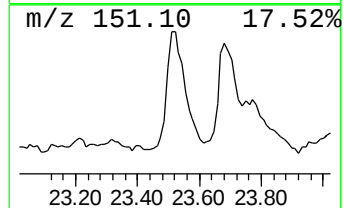
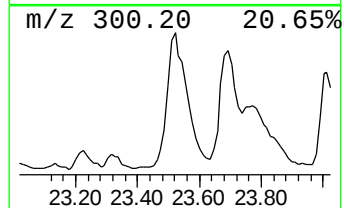
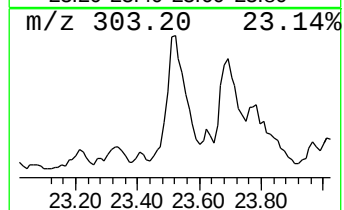
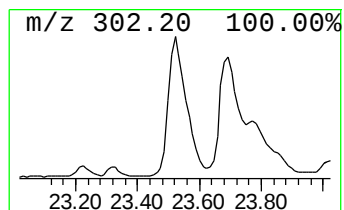
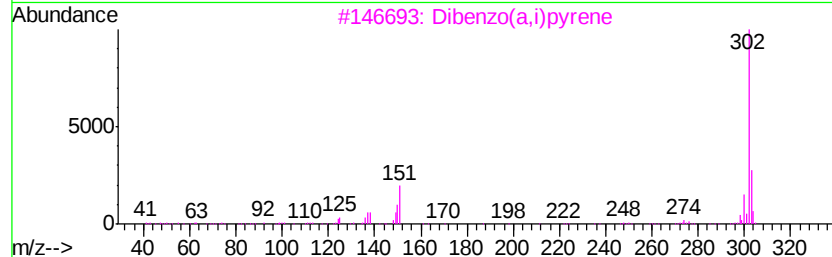
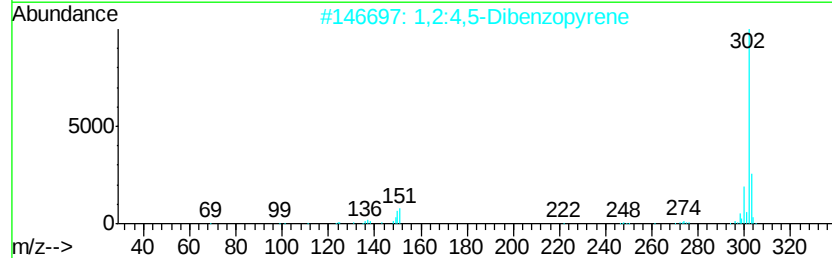
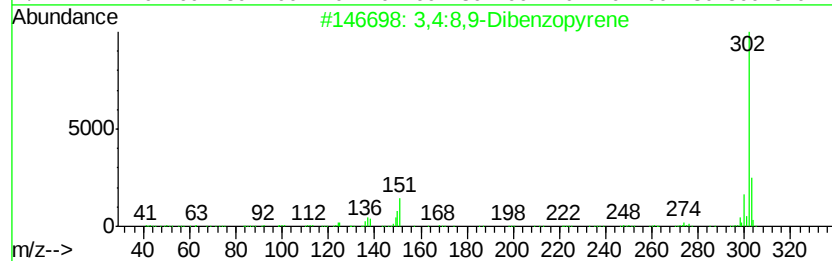
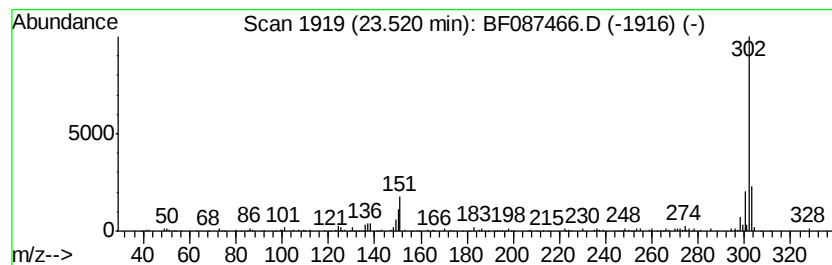
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	13.94 ng	291443	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64



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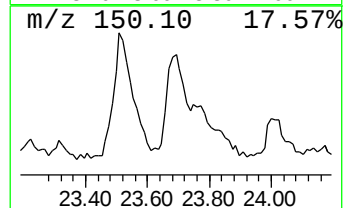
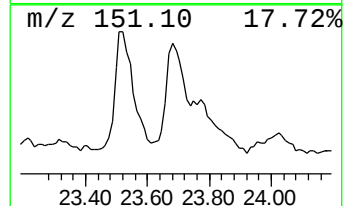
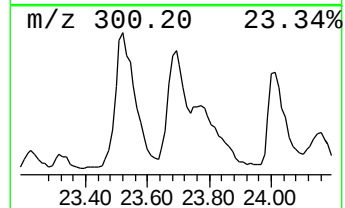
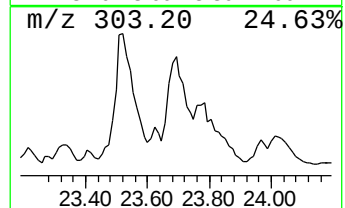
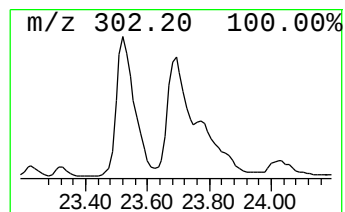
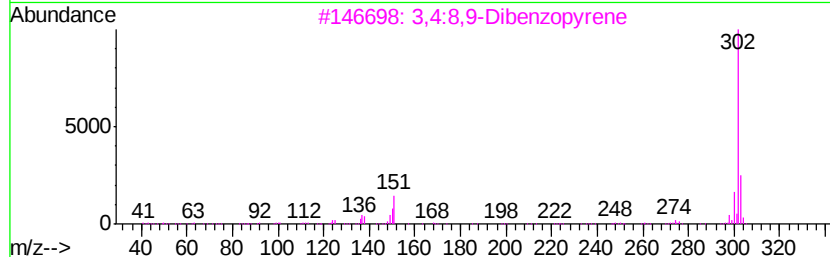
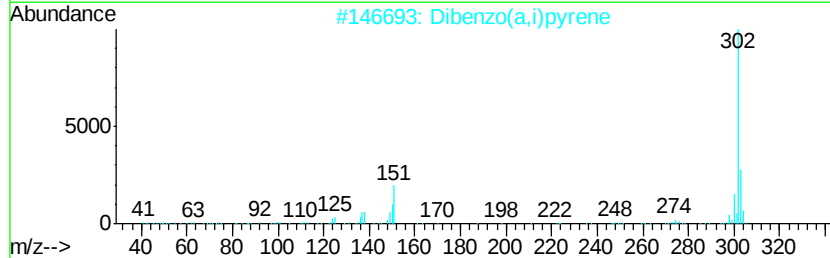
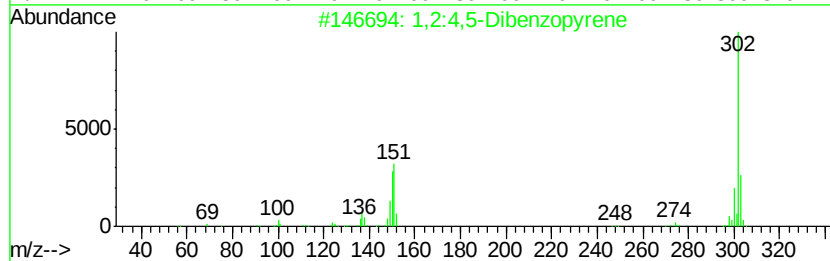
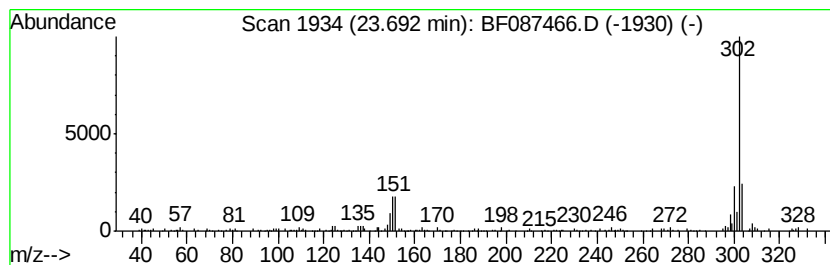
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.69	21.95 ng	458872	Perylene-d12	20.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	87
2		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	83
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	76
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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 ALS Vial : 22 Sample Multiplier: 1

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 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
2-Pentanone, 4-hy...	4.75	8.2	ng	319765	1	7.48	784693	20.0
unknown7.14	7.14	114.3	ng	4486070	1	7.48	784693	20.0
Dodecane, 2,7,10-...	13.98	15.5	ng	708965	4	14.74	913361	20.0
Anthracene, 1-met...	15.69	8.3	ng	379799	4	14.74	913361	20.0
n-Hexadecanoic acid	15.74	8.1	ng	367864	4	14.74	913361	20.0
9,10-Dimethylanthe...	16.34	8.5	ng	390013	4	14.74	913361	20.0
Cyclopenta(def)ph...	16.47	11.1	ng	504418	4	14.74	913361	20.0
5,12-Naphthacened...	19.38	14.6	ng	305121	6	20.13	418142	20.0
Benzo[a]pyrene, 4...	19.57	28.0	ng	585714	6	20.13	418142	20.0
unknown20.96	20.96	8.1	ng	169167	6	20.13	418142	20.0
3H-Perylo[1,12-b,...	21.05	12.3	ng	257349	6	20.13	418142	20.0
Dibenzo(a,c)fluor...	21.12	8.5	ng	177972	6	20.13	418142	20.0
Picene	21.54	9.0	ng	187245	6	20.13	418142	20.0
Dibenzo[def,mno]c...	21.93	7.6	ng	159758	6	20.13	418142	20.0
3,4:8,9-Dibenzopy...	23.52	13.9	ng	291443	6	20.13	418142	20.0
1,2:4,5-Dibenzopy...	23.69	21.9	ng	458872	6	20.13	418142	20.0