

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
 Data File : BF087473.D
 Acq On : 28 May 2016 8:19
 Operator : UM/SJ
 Sample : H3190-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(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	27	rVB	882123	1522450	41.26%	2.550%
2	4.730	273	275	290	rBV	83719	235330	6.38%	0.394%
3	5.393	330	333	351	rBV	1871599	3428477	92.92%	5.743%
4	7.039	475	477	483	rVV	2085034	3501569	94.91%	5.866%
5	7.142	483	486	496	rVB	2728981	3689510	100.00%	6.181%
6	7.484	513	516	520	rBV	504990	715924	19.40%	1.199%
7	7.713	533	536	539	rBV	1736619	2534359	68.69%	4.245%
8	8.399	593	596	605	rBV	1663706	2261703	61.30%	3.789%
9	9.508	691	693	696	rBV	634151	911085	24.69%	1.526%
10	11.291	846	849	852	rBV	2508082	3406005	92.32%	5.706%
11	11.988	907	910	915	rBV	714383	858060	23.26%	1.437%
12	12.113	918	921	926	rBV	194066	269016	7.29%	0.451%
13	12.342	938	941	944	rBV	674062	1012557	27.44%	1.696%
14	13.176	1011	1014	1017	rBV2	91198	120649	3.27%	0.202%
15	13.234	1017	1019	1024	rVB	77271	104571	2.83%	0.175%
16	13.531	1040	1045	1048	rBV2	33702	92629	2.51%	0.155%
17	13.634	1051	1054	1057	rVV	1465110	1923565	52.14%	3.222%
18	13.954	1079	1082	1086	rBV	87734	175824	4.77%	0.295%
19	14.365	1115	1118	1122	rVV3	37404	115258	3.12%	0.193%
20	14.457	1124	1126	1130	rVV	56948	96373	2.61%	0.161%
21	14.537	1130	1133	1134	rVV2	25234	56564	1.53%	0.095%
22	14.685	1143	1146	1148	rBV2	61739	90770	2.46%	0.152%
23	14.742	1148	1151	1152	rVV	565910	786812	21.33%	1.318%
24	14.777	1152	1154	1157	rVB	907969	1041446	28.23%	1.745%
25	14.857	1157	1161	1165	rBV	275784	392850	10.65%	0.658%
26	14.959	1167	1170	1174	rVB4	29645	73164	1.98%	0.123%
27	15.165	1186	1188	1193	rVV	100471	206528	5.60%	0.346%
28	15.314	1195	1201	1203	rVV2	87413	301063	8.16%	0.504%
29	15.360	1203	1205	1207	rVV2	69748	120100	3.26%	0.201%
30	15.531	1217	1220	1222	rBV	222737	264637	7.17%	0.443%
31	15.577	1222	1224	1226	rBV	244376	287880	7.80%	0.482%
32	15.645	1228	1230	1231	rBV	125971	125773	3.41%	0.211%
33	15.680	1231	1233	1235	rVV2	233154	327445	8.88%	0.549%
34	15.725	1235	1237	1245	rVB2	208624	355532	9.64%	0.596%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.885	1249	1251	1254	rBV2	35001	78242	2.12%	0.131%
36	15.988	1254	1260	1262	rBV2	119204	262022	7.10%	0.439%
37	16.034	1262	1264	1266	rVB	153285	200962	5.45%	0.337%
38	16.091	1266	1269	1271	rVB	190444	265566	7.20%	0.445%
39	16.194	1275	1278	1280	rBV	54146	98425	2.67%	0.165%
40	16.274	1283	1285	1287	rVB	47024	57220	1.55%	0.096%
41	16.342	1288	1291	1292	rBV	177215	258212	7.00%	0.433%
42	16.377	1292	1294	1296	rVB	89907	114463	3.10%	0.192%
43	16.411	1296	1297	1299	rVB2	45200	61336	1.66%	0.103%
44	16.457	1299	1301	1303	rBV	245156	286847	7.77%	0.481%
45	16.548	1306	1309	1311	rVV	2107133	2359951	63.96%	3.953%
46	16.583	1311	1312	1315	rVB2	62854	89449	2.42%	0.150%
47	16.640	1315	1317	1319	rBV	93686	146707	3.98%	0.246%
48	16.674	1319	1320	1324	rVB	107379	115939	3.14%	0.194%
49	16.743	1324	1326	1328	rBV2	70558	127255	3.45%	0.213%
50	16.845	1332	1335	1338	rBV	1890829	2792115	75.68%	4.677%
51	16.948	1340	1344	1348	rVB4	179460	384612	10.42%	0.644%
52	17.040	1348	1352	1354	rBV3	114803	264502	7.17%	0.443%
53	17.097	1354	1357	1360	rVB	2042171	2604574	70.59%	4.363%
54	17.165	1360	1363	1367	rBV2	151713	290004	7.86%	0.486%
55	17.280	1370	1373	1375	rBV3	189393	454168	12.31%	0.761%
56	17.314	1375	1376	1379	rVB	266867	222579	6.03%	0.373%
57	17.371	1379	1381	1382	rBV	45703	80804	2.19%	0.135%
58	17.394	1382	1383	1385	rVB	121338	158432	4.29%	0.265%
59	17.440	1385	1387	1393	rBV3	289912	551839	14.96%	0.924%
60	17.565	1396	1398	1400	rVV2	266035	376637	10.21%	0.631%
61	17.600	1400	1401	1404	rVB	122454	107336	2.91%	0.180%
62	17.817	1418	1420	1422	rBV3	55089	116596	3.16%	0.195%
63	17.874	1423	1425	1428	rVB2	119727	175122	4.75%	0.293%
64	17.988	1433	1435	1437	rVV	266307	412128	11.17%	0.690%
65	18.034	1437	1439	1440	rVV2	143317	147643	4.00%	0.247%
66	18.114	1444	1446	1447	rVV	231005	319469	8.66%	0.535%
67	18.148	1447	1449	1450	rVV2	249884	352174	9.55%	0.590%
68	18.183	1450	1452	1453	rVV	179281	242406	6.57%	0.406%
69	18.217	1453	1455	1457	rVV	130987	176160	4.77%	0.295%
70	18.274	1457	1460	1461	rVV	252778	348415	9.44%	0.584%
71	18.308	1461	1463	1464	rVV	119090	147634	4.00%	0.247%

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72	18.354	1464	1467	1469	rVV2	51787	114175	3.09%	0.191%
73	18.434	1471	1474	1476	rVV2	1258009	2292120	62.13%	3.840%
74	18.480	1476	1478	1480	rVV	1439454	1792389	48.58%	3.003%
75	18.571	1484	1486	1488	rVV2	109728	156695	4.25%	0.262%
76	18.651	1491	1493	1494	rVV	86935	140008	3.79%	0.235%
77	18.720	1497	1499	1501	rVV	100743	140675	3.81%	0.236%
78	18.766	1501	1503	1505	rVB3	115396	171643	4.65%	0.288%
79	18.811	1505	1507	1508	rBV	61414	74600	2.02%	0.125%
80	18.903	1513	1515	1516	rVV	69730	104230	2.83%	0.175%
81	18.948	1516	1519	1521	rVV	266643	453900	12.30%	0.760%
82	18.983	1521	1522	1524	rVV	146294	189045	5.12%	0.317%
83	19.028	1524	1526	1527	rVV2	114269	189377	5.13%	0.317%
84	19.063	1527	1529	1530	rVV	117146	174608	4.73%	0.292%
85	19.097	1530	1532	1535	rVV3	135074	351772	9.53%	0.589%
86	19.200	1539	1541	1544	rVB	64485	105480	2.86%	0.177%
87	19.360	1554	1555	1557	rBV	95629	150703	4.08%	0.252%
88	19.509	1566	1568	1570	rBV	51253	65092	1.76%	0.109%
89	19.543	1570	1571	1573	rBV2	154755	203167	5.51%	0.340%
90	19.646	1578	1580	1583	rVV2	60224	102707	2.78%	0.172%
91	19.714	1583	1586	1591	rBV	1189069	2400413	65.06%	4.021%
92	19.817	1594	1595	1597	rVV2	189183	218038	5.91%	0.365%
93	19.863	1597	1599	1601	rVV	59316	64967	1.76%	0.109%
94	20.000	1609	1611	1614	rBV	665933	788711	21.38%	1.321%
95	20.057	1614	1616	1618	rVV	538232	668235	18.11%	1.119%
96	20.114	1618	1621	1623	rBV2	350241	737629	19.99%	1.236%
97	21.177	1712	1714	1715	rBV2	46753	62519	1.69%	0.105%
98	21.337	1725	1728	1732	rBV	360740	638496	17.31%	1.070%
99	21.520	1742	1744	1747	rVB2	64200	93439	2.53%	0.157%
100	21.692	1756	1759	1762	rBV	227248	397711	10.78%	0.666%

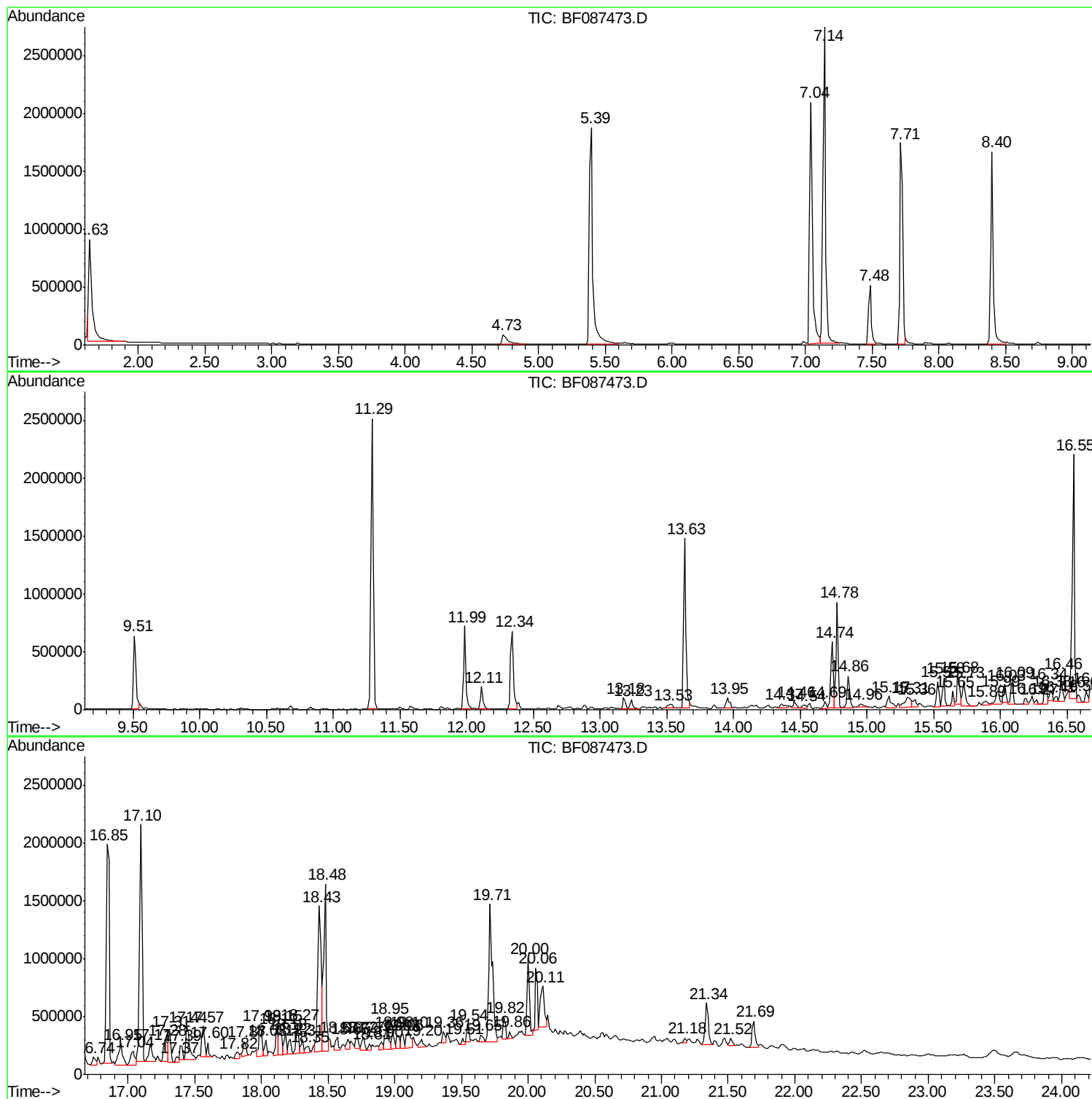
Sum of corrected areas: 59695967

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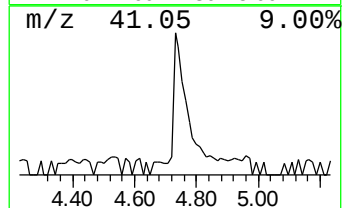
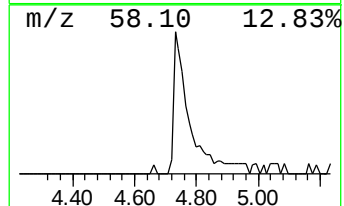
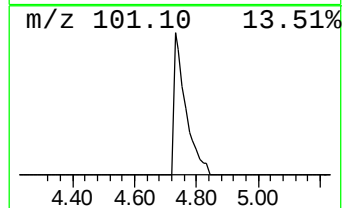
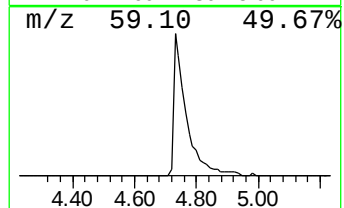
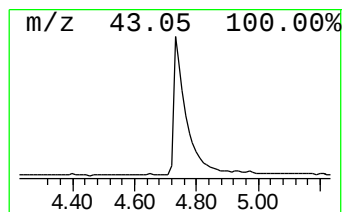
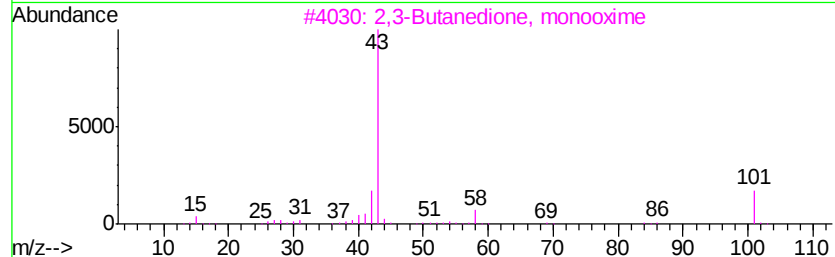
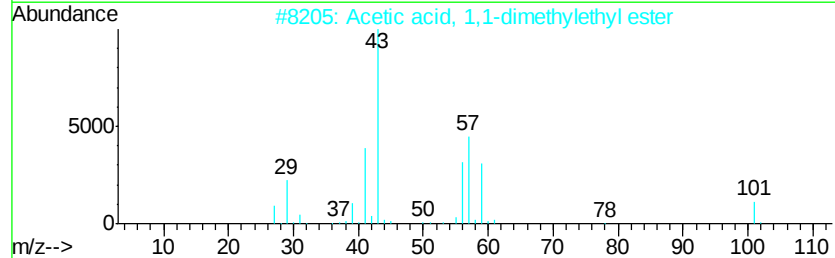
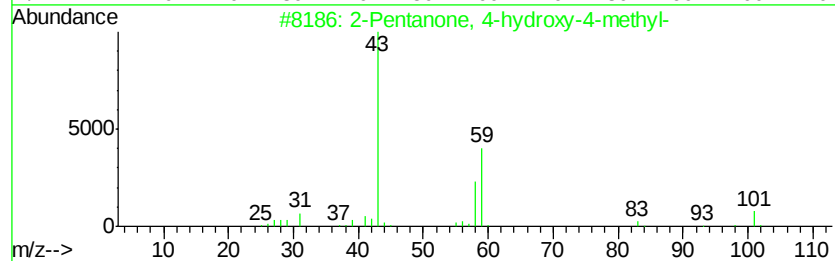
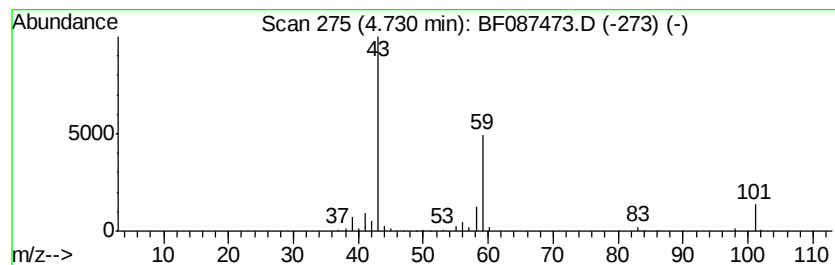
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	6.57 ng	235330	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	72
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9



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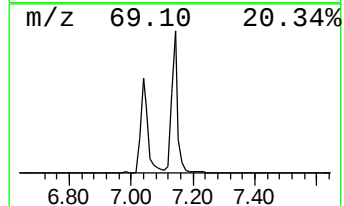
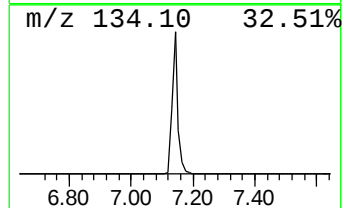
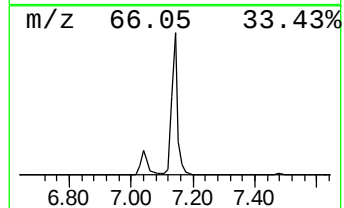
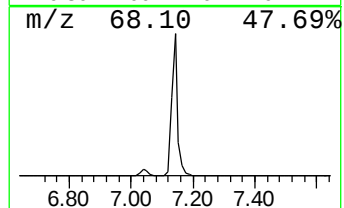
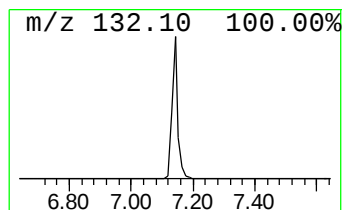
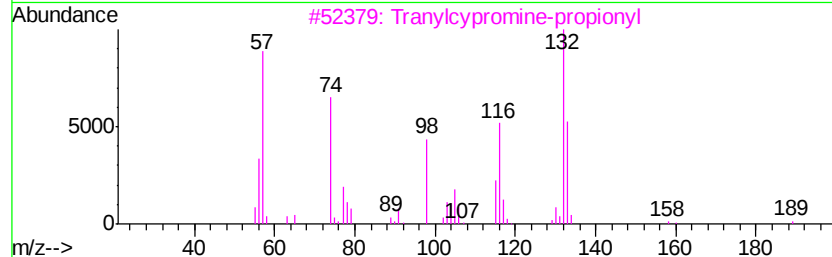
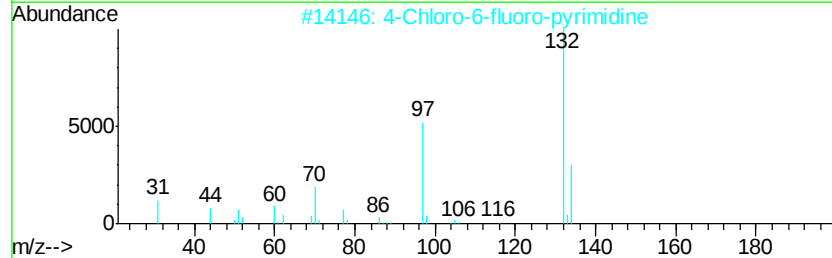
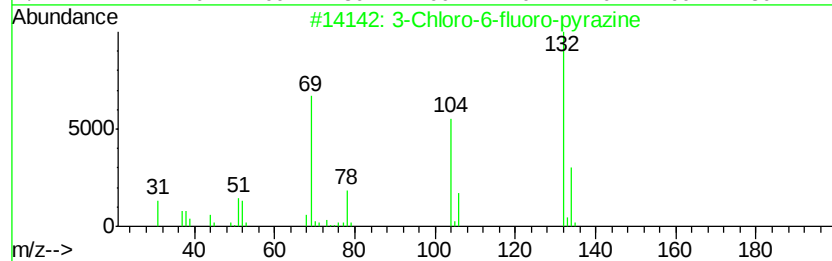
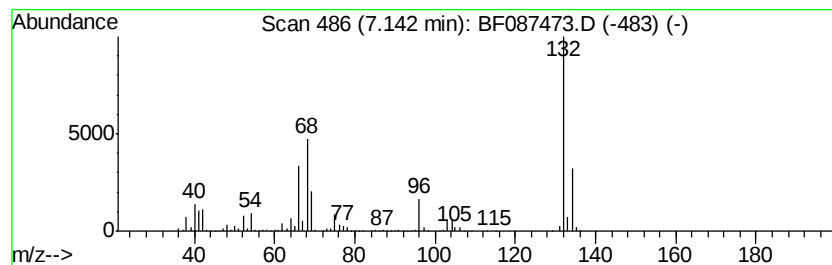
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.14 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	103.07 ng	3689510	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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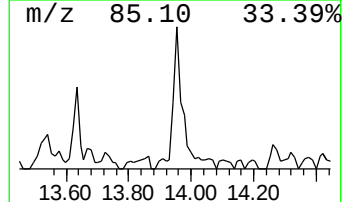
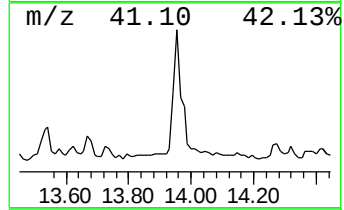
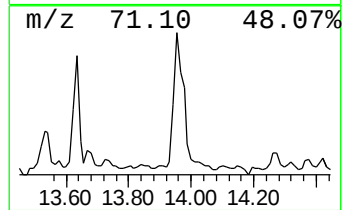
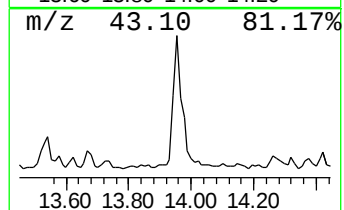
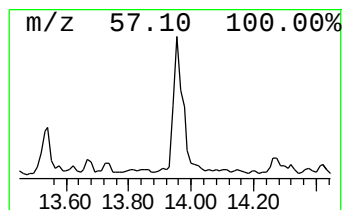
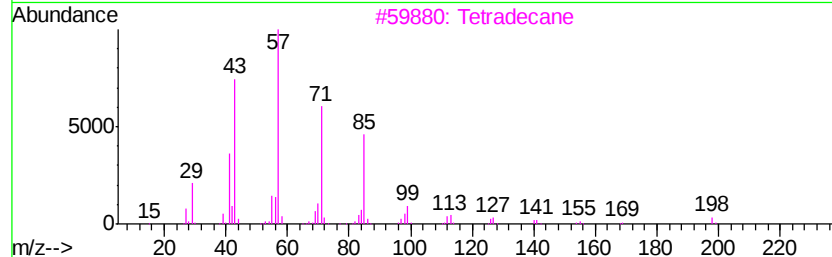
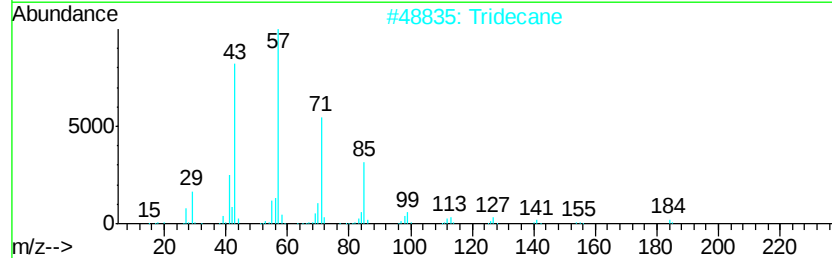
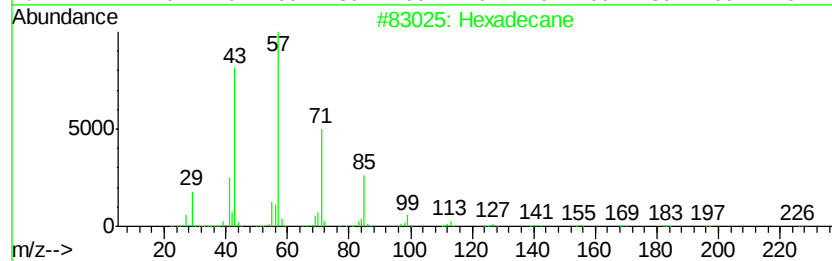
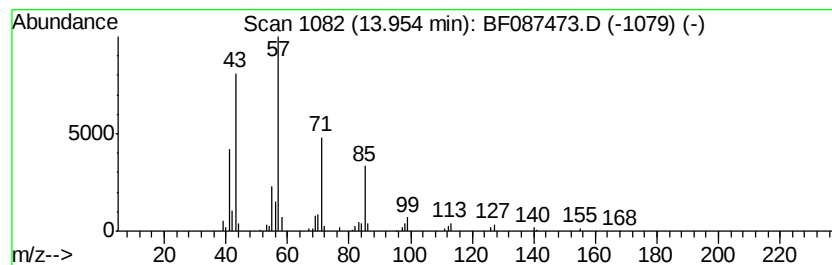
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.47 ng	175824	Phenanthrene-d10	14.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Tridecane		184	C13H28	000629-50-5	86
3	Tetradecane		198	C14H30	000629-59-4	86
4	Pentadecane		212	C15H32	000629-62-9	80
5	Tetradecane, 1-iodo-		324	C14H29I	019218-94-1	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
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Acq On : 28 May 2016 8:19
Operator : UM/SJ
Sample : H3190-22
Misc :
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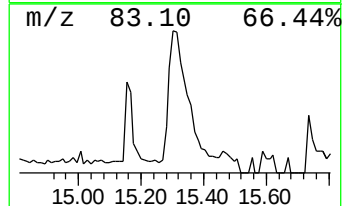
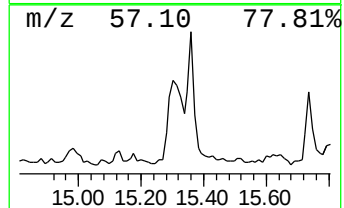
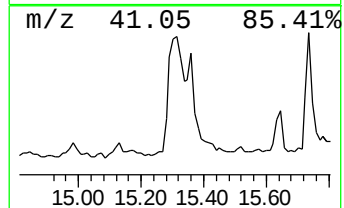
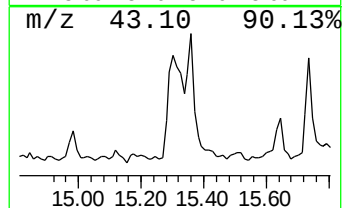
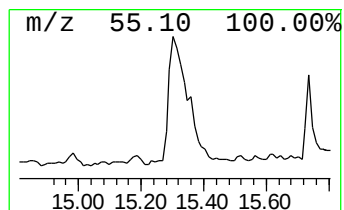
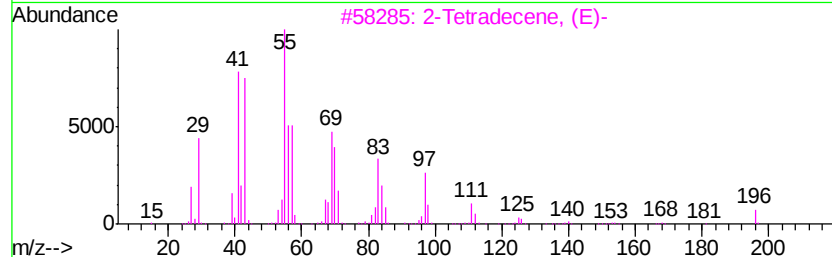
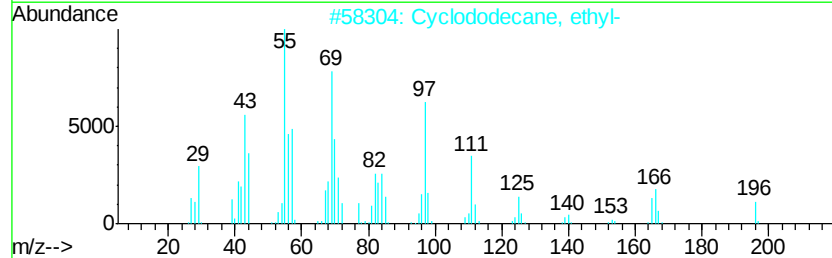
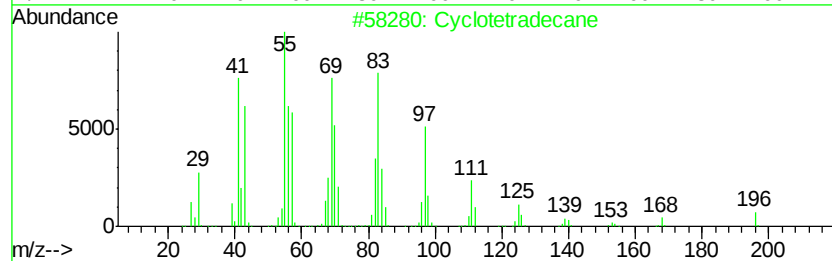
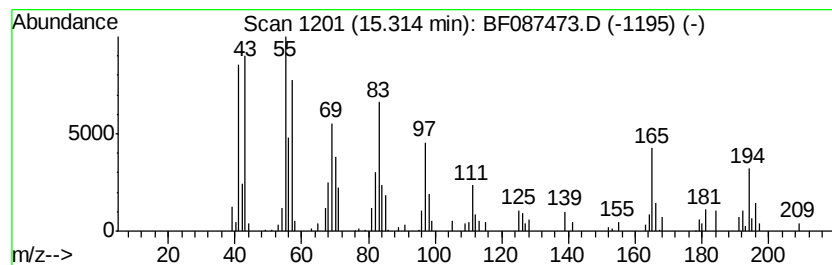
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclotetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.31	7.65 ng	301063	Phenanthrene-d10		14.74
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	97
2	Cyclododecane, ethyl-	196	C14H28	028981-49-9	91
3	2-Tetradecene, (E)-	196	C14H28	035953-54-9	70
4	1-Hexadecanol	242	C16H34O	036653-82-4	64
5	Hexadecen-1-ol, trans-9-	240	C16H32O	064437-47-4	64



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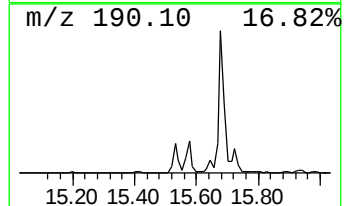
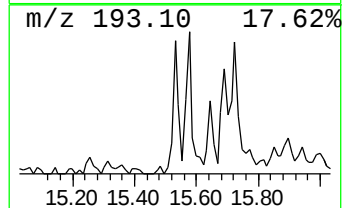
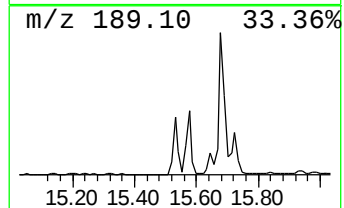
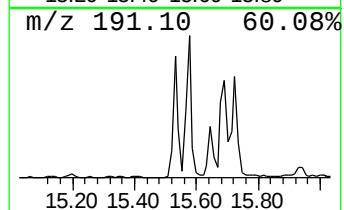
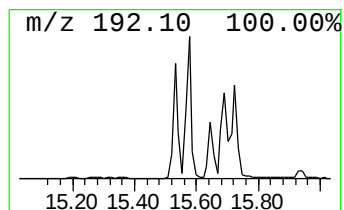
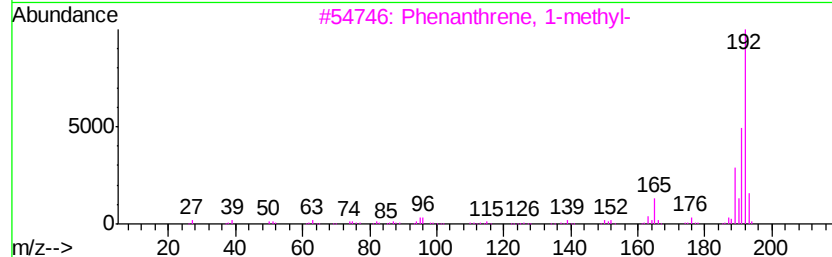
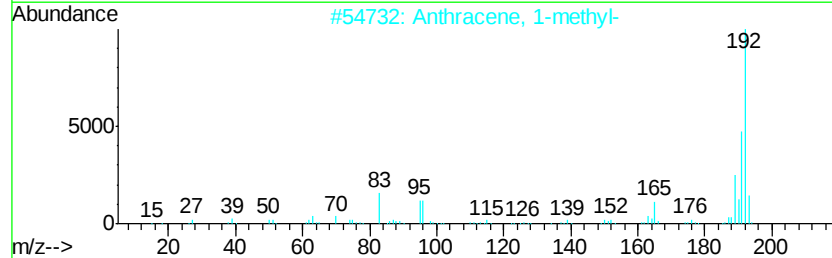
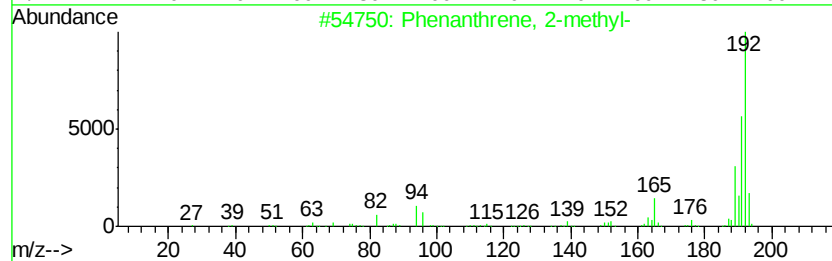
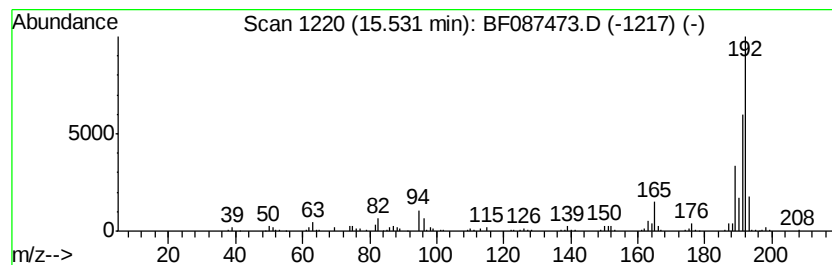
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.53	6.73 ng	264637	Phenanthrene-d10	14.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
Operator : UM/SJ
Sample : H3190-22
Misc :
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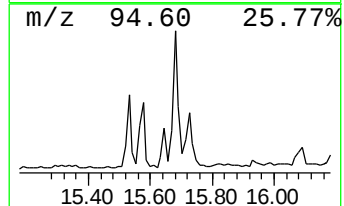
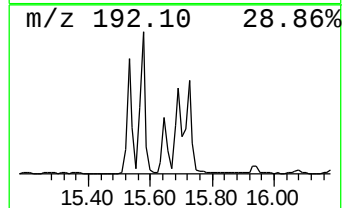
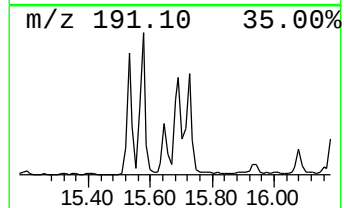
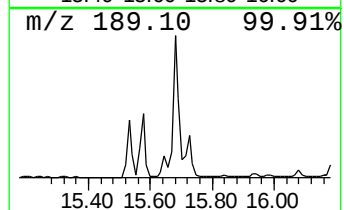
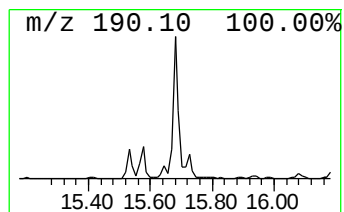
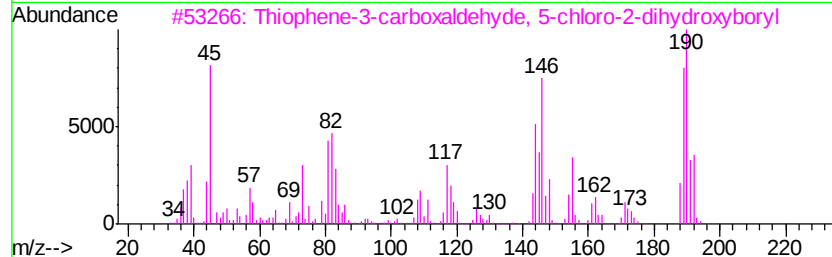
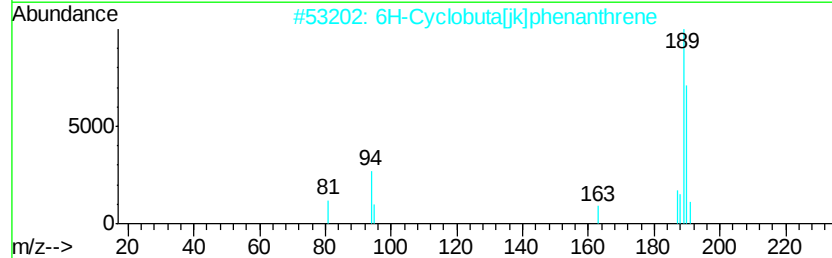
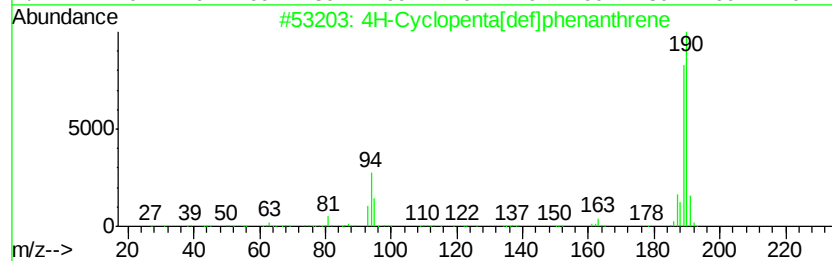
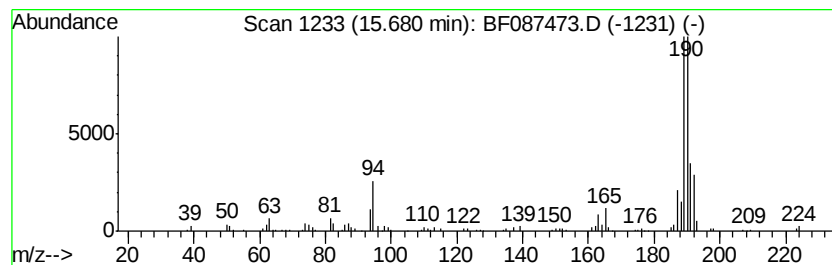
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.68	8.32 ng	327445	Phenanthrene-d10	14.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
Operator : UM/SJ
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ALS Vial : 29 Sample Multiplier: 1

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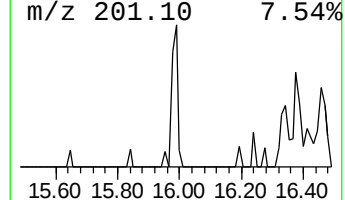
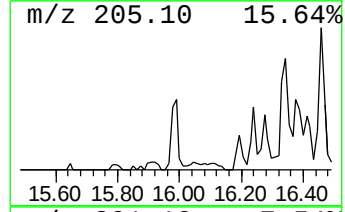
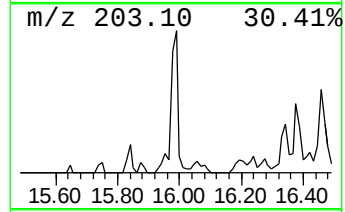
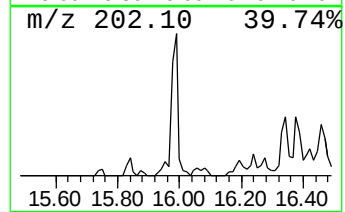
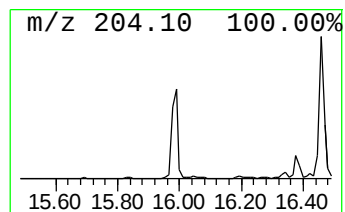
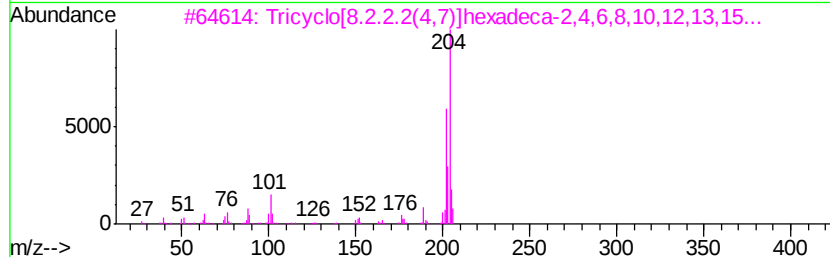
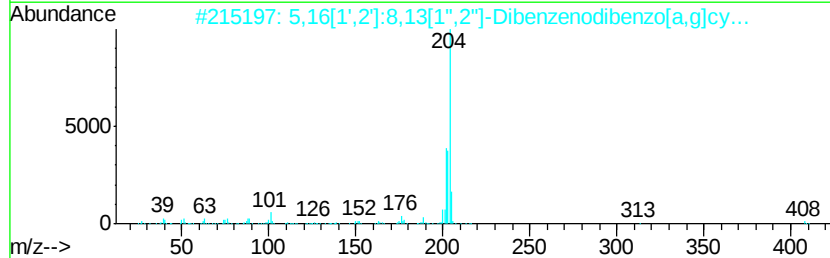
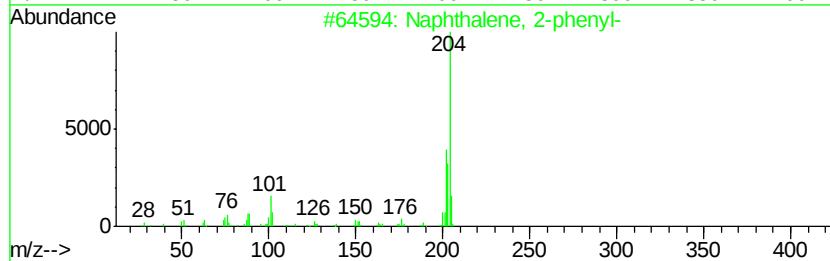
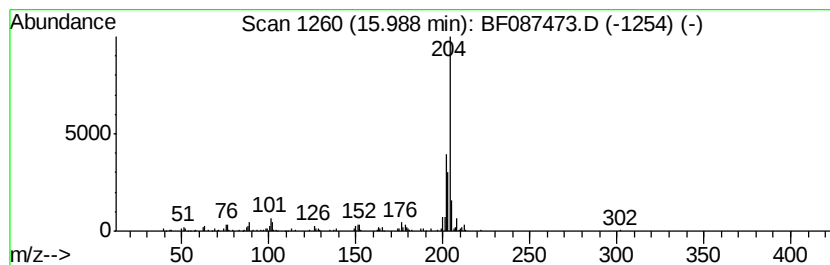
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	6.66 ng	262022	Phenanthrene-d10	14.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4			6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087473.D
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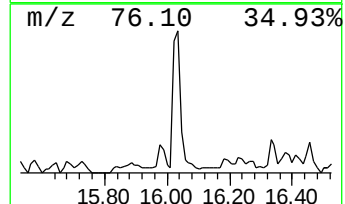
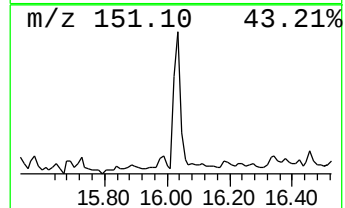
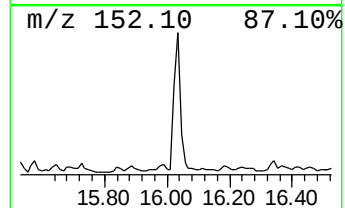
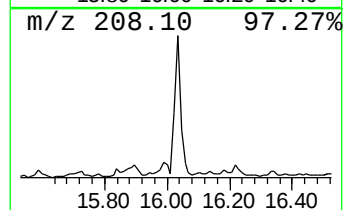
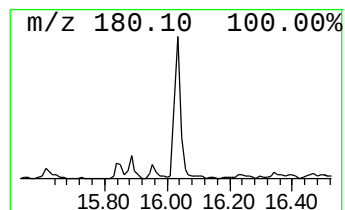
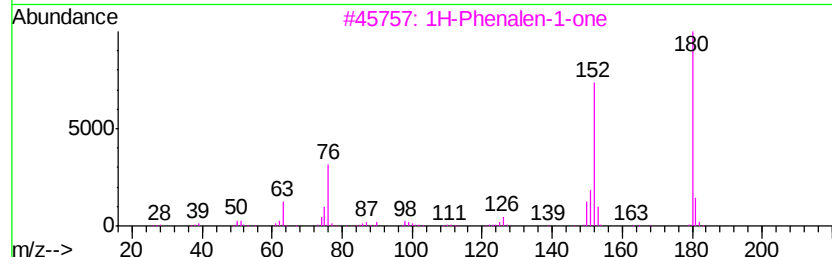
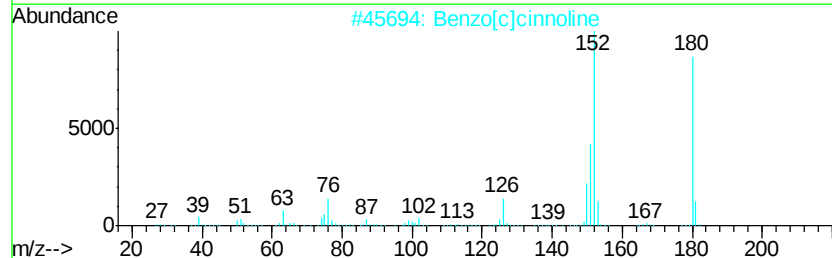
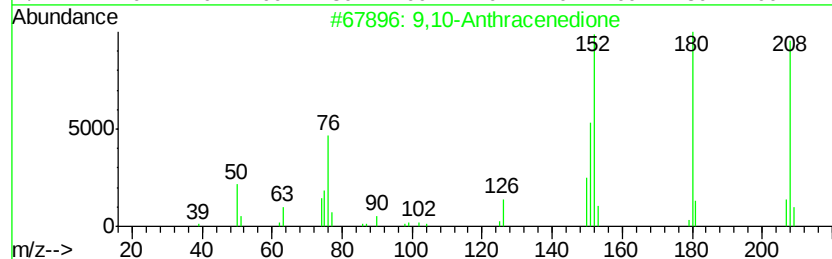
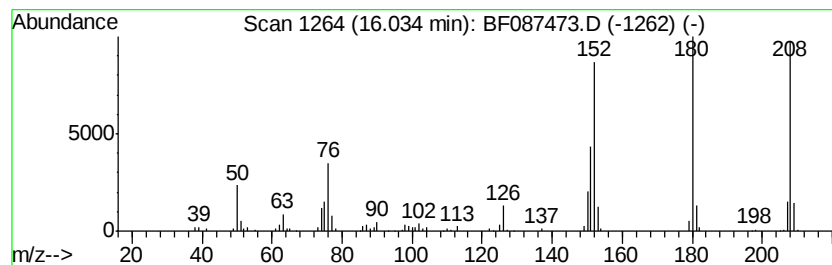
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	5.11 ng	200962	Phenanthrene-d10	14.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
Operator : UM/SJ
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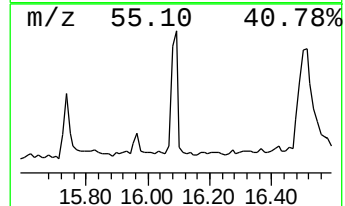
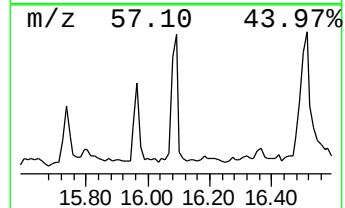
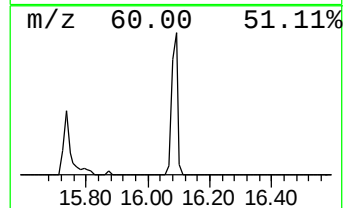
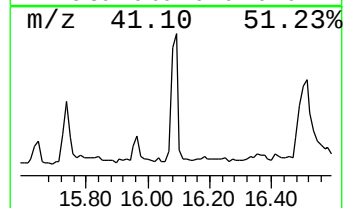
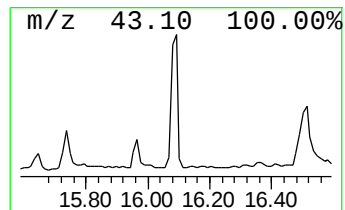
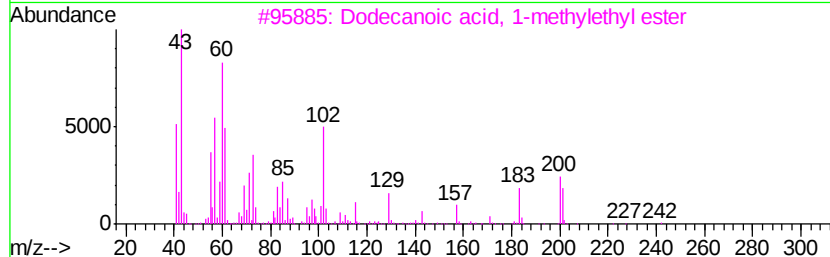
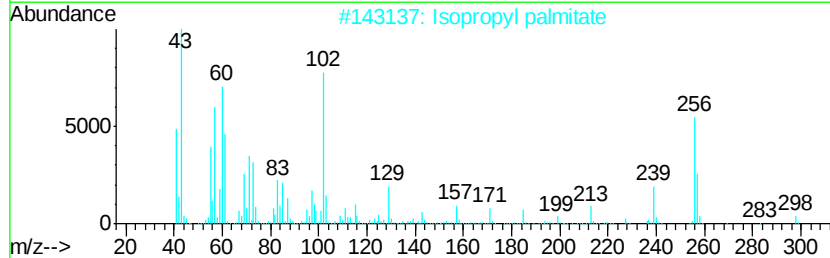
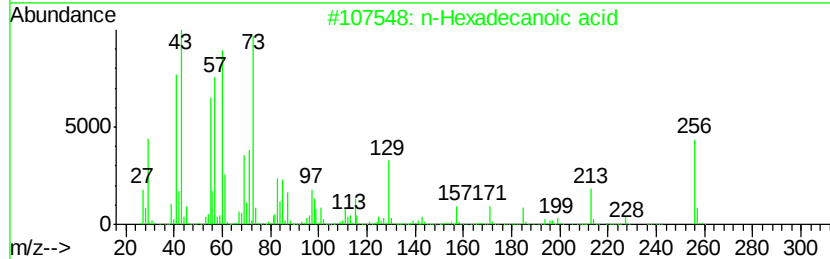
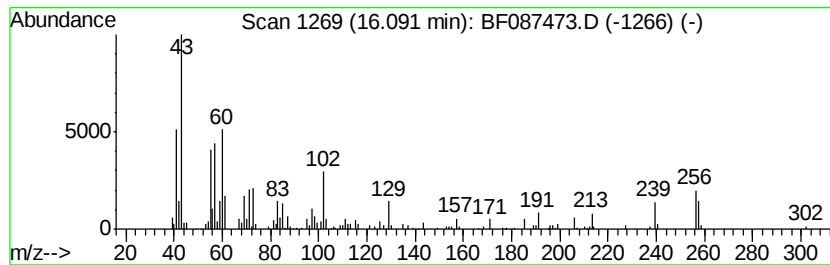
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	6.75 ng	265566	Phenanthrene-d10	14.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2			Isopropyl palmitate	298	C19H38O2	000142-91-6	68
3			Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	53
4			n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	43
5			Isopropyl myristate	270	C17H34O2	000110-27-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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Acq On : 28 May 2016 8:19
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ALS Vial : 29 Sample Multiplier: 1

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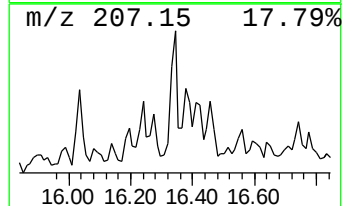
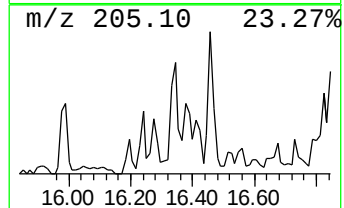
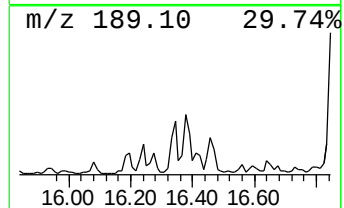
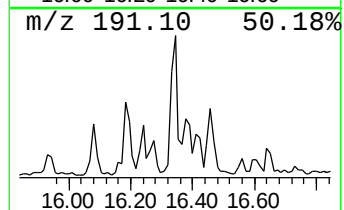
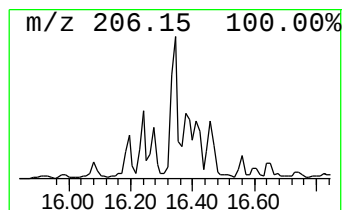
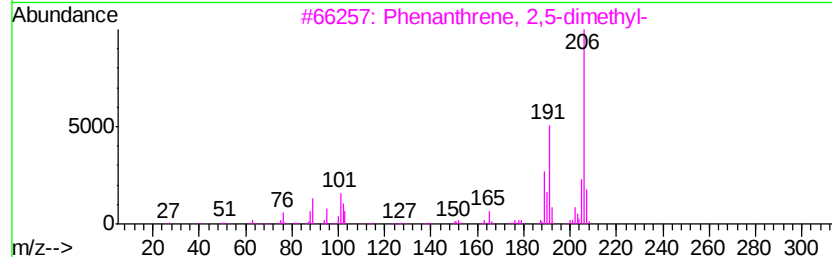
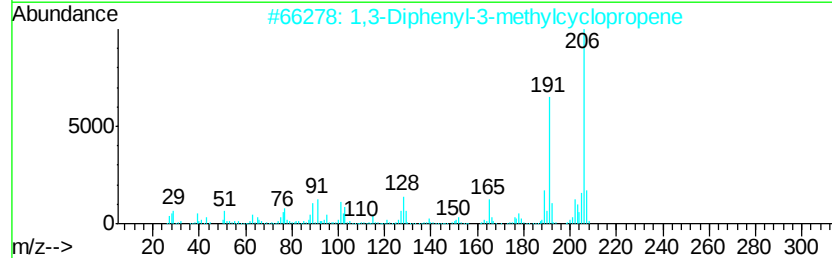
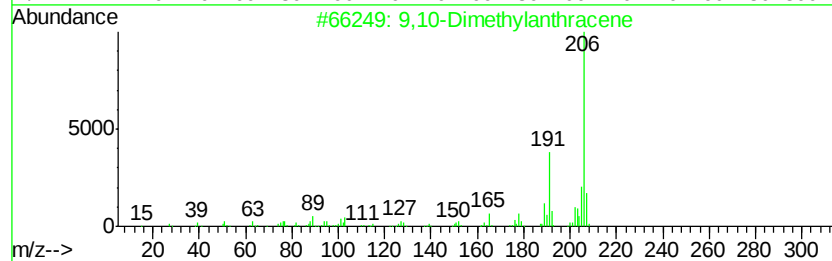
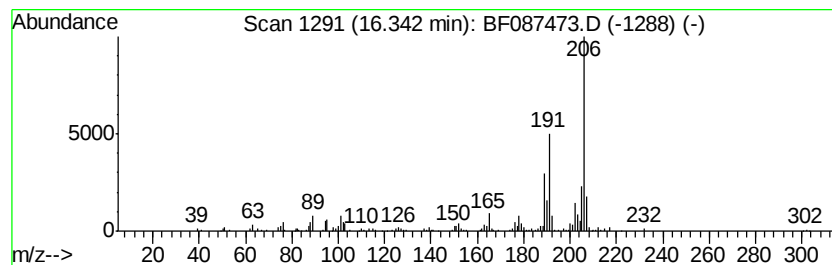
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	6.56 ng	258212	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
Operator : UM/SJ
Sample : H3190-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)

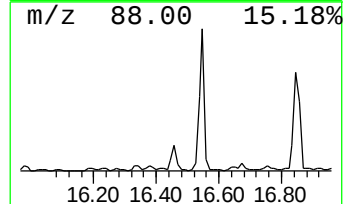
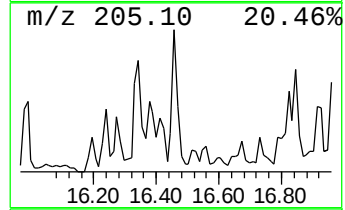
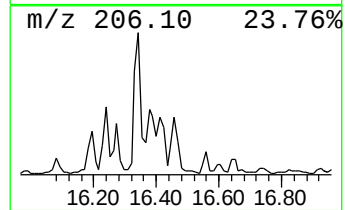
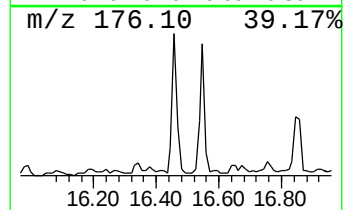
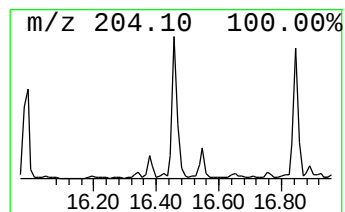
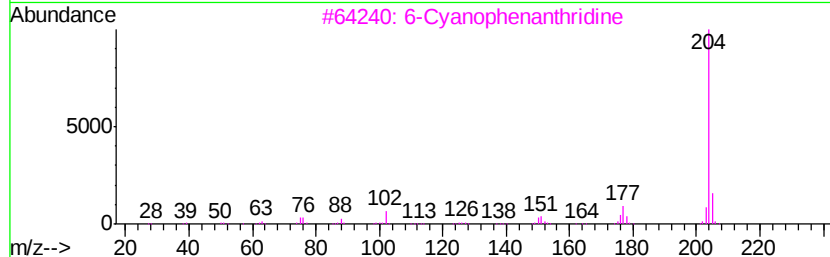
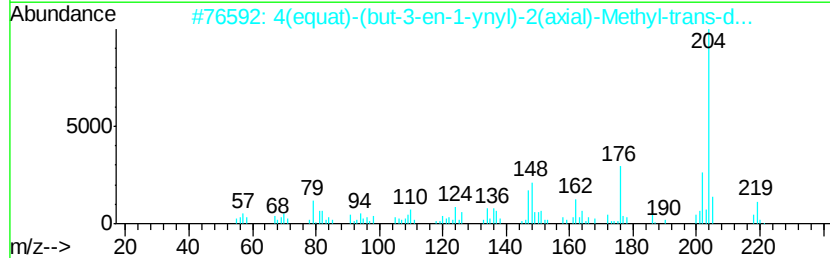
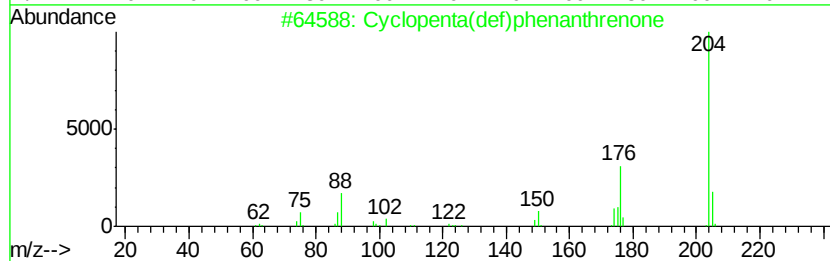
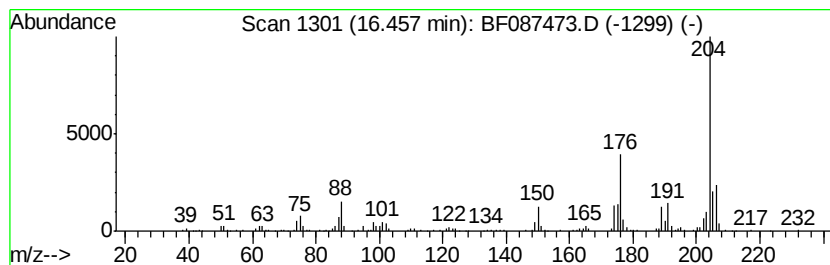
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	7.29 ng	286847	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		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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Sample : H3190-22
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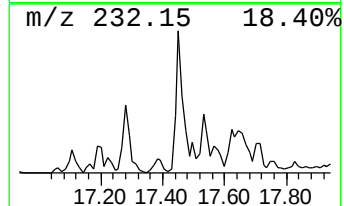
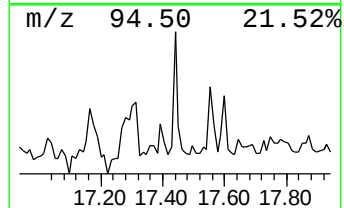
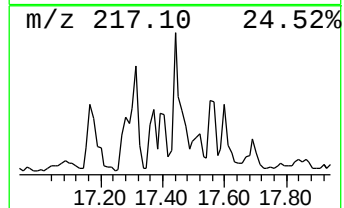
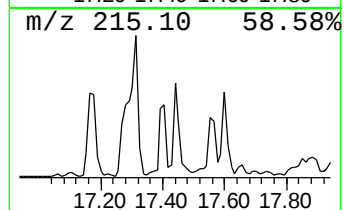
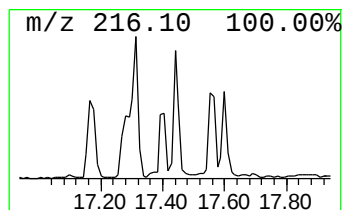
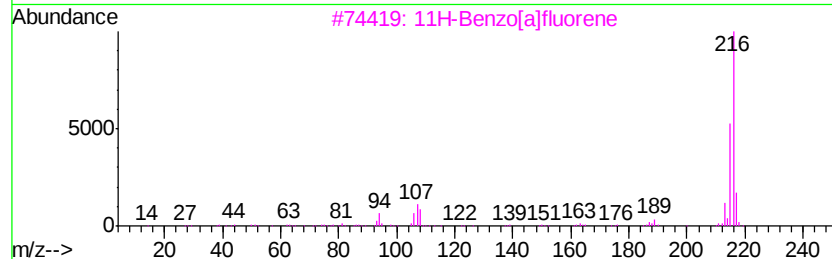
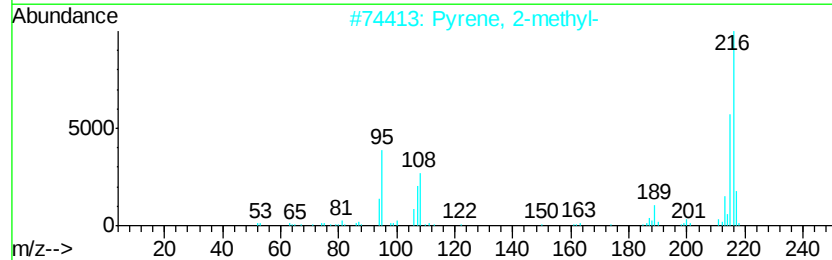
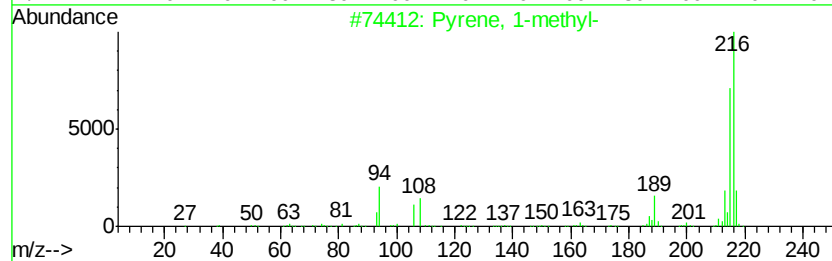
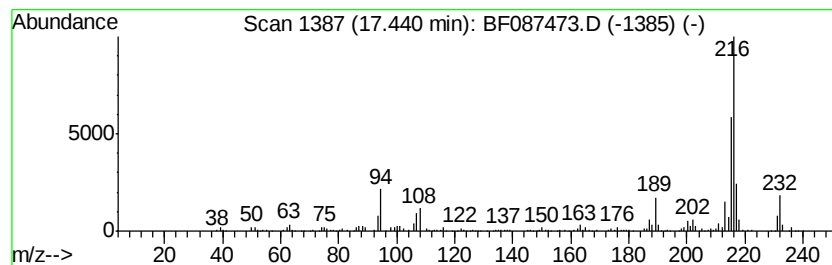
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CHS-STA-1690(0-4)

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.44	4.82 ng	551839	Chrysene-d12	18.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
Operator : UM/SJ
Sample : H3190-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

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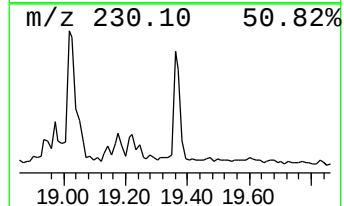
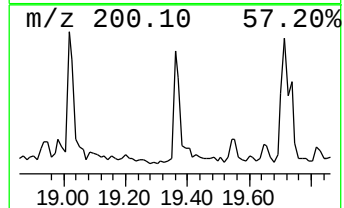
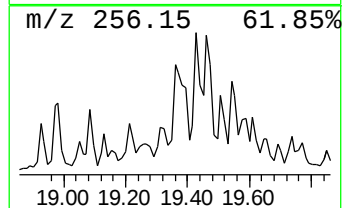
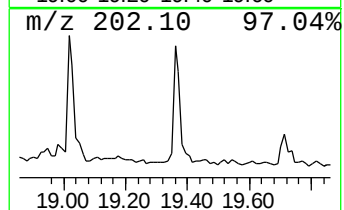
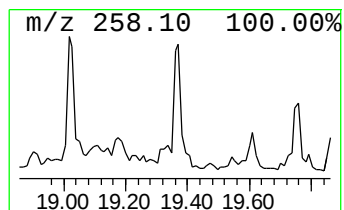
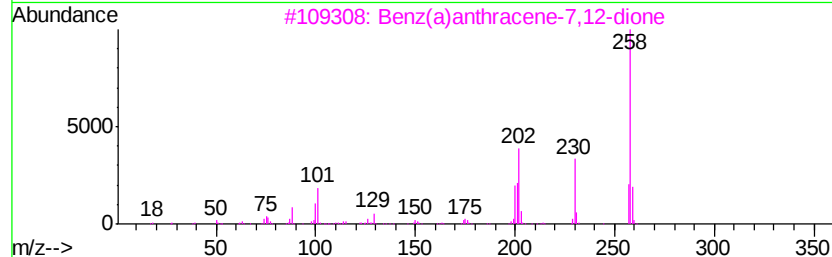
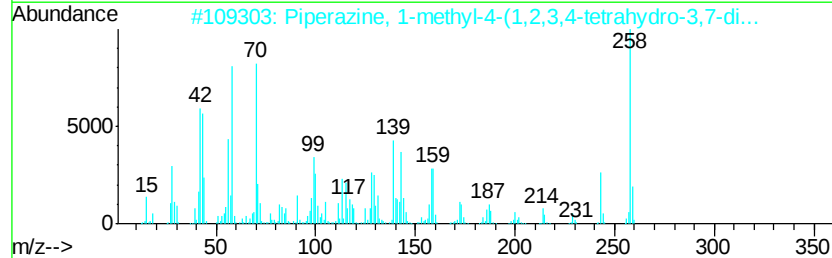
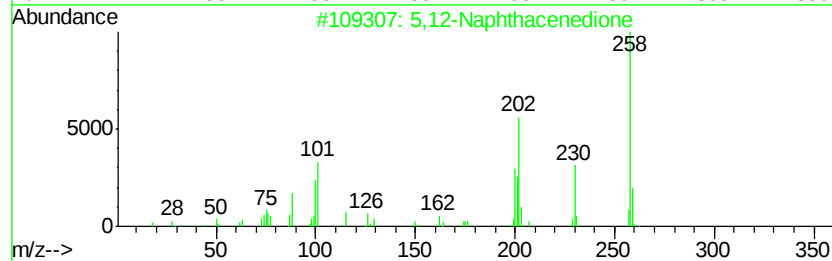
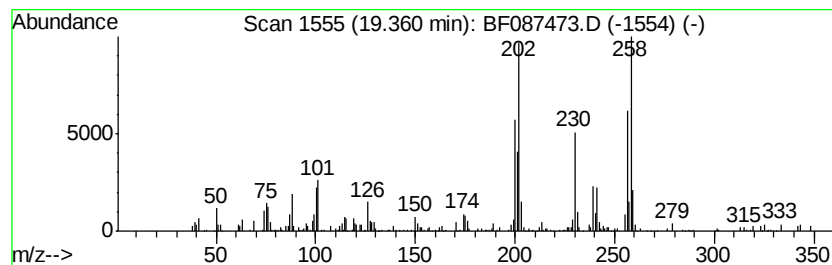
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 5,12-Naphthacenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	4.09 ng	150703	Perylene-d12	20.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
Operator : UM/SJ
Sample : H3190-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CHS-STA-1690(0-4)

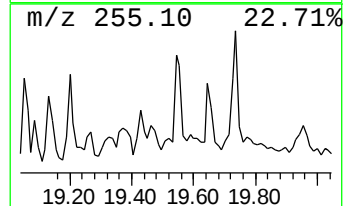
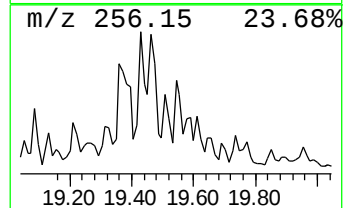
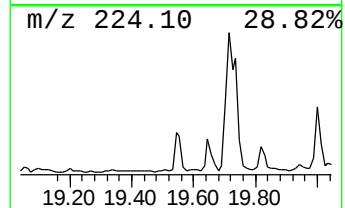
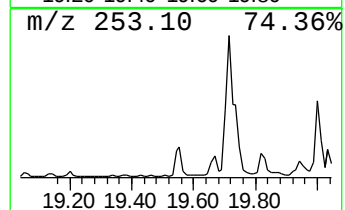
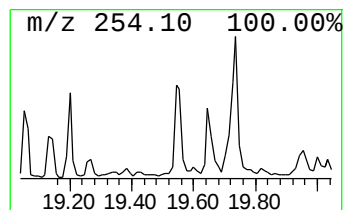
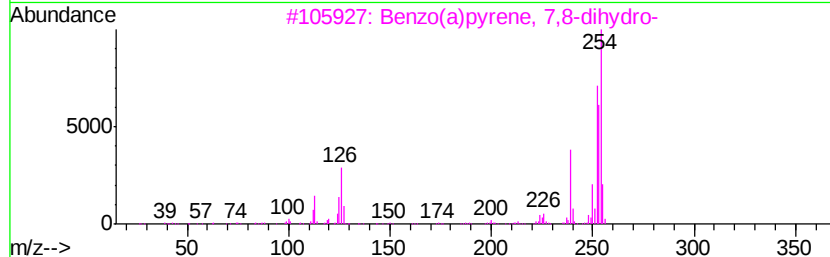
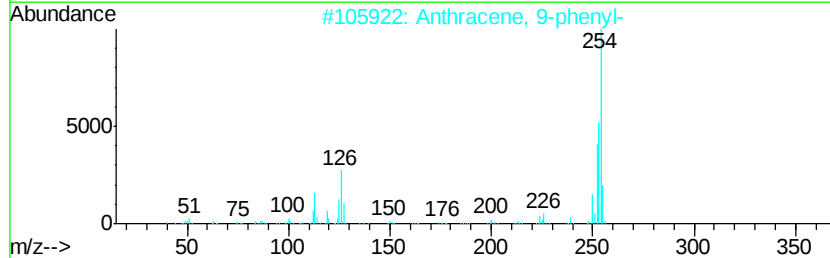
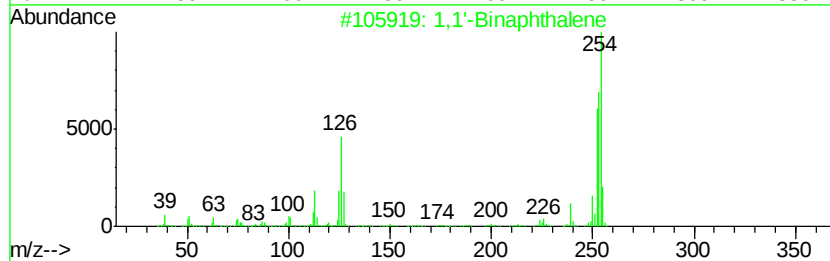
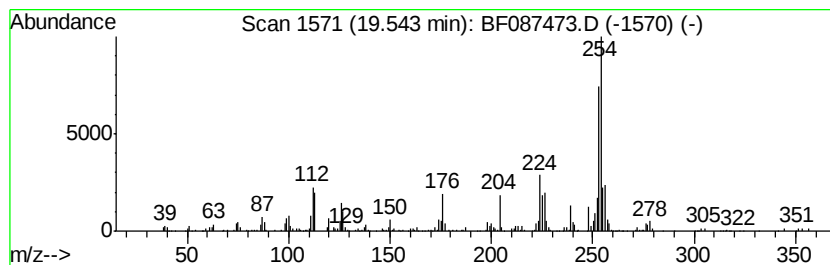
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	5.51 ng	203167	Perylene-d12	20.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	62
3		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	58
5		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087473.D
Acq On : 28 May 2016 8:19
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CHS-STA-1690(0-4)

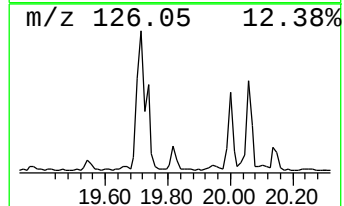
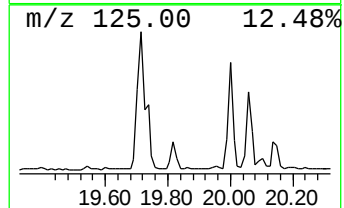
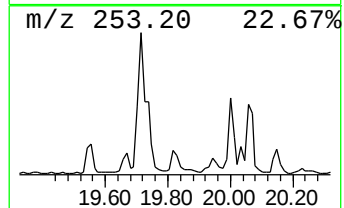
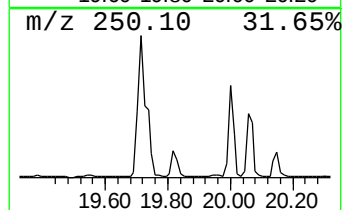
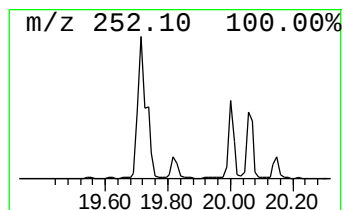
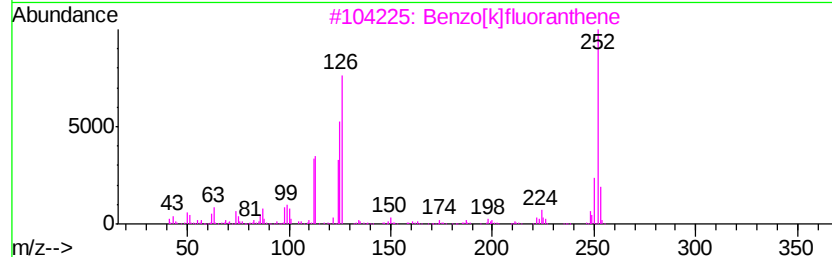
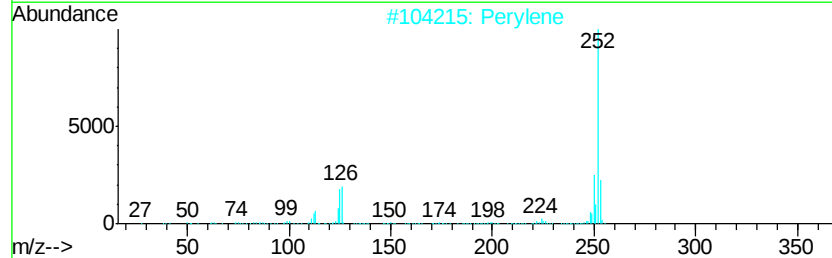
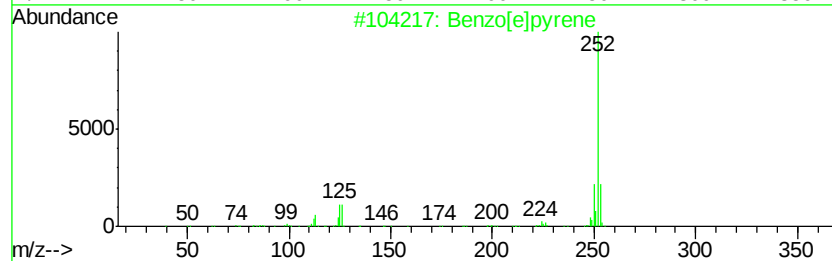
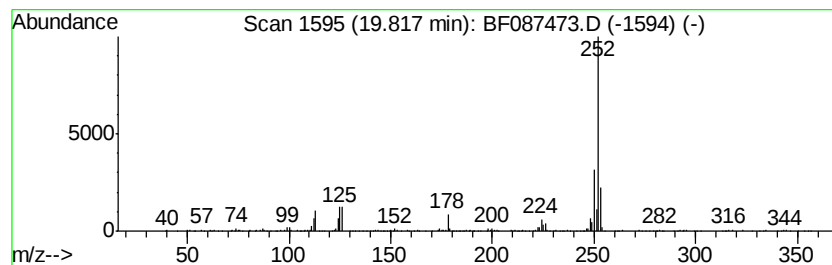
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	5.91 ng	218038	Perylene-d12	20.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087473.D
 Acq On : 28 May 2016 8:19
 Operator : UM/SJ
 Sample : H3190-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 CHS-STA-1690(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...	4.73	6.6	ng	235330	1	7.48	715924	20.0
unknown7.14	7.14	103.1	ng	3689510	1	7.48	715924	20.0
Hexadecane	13.95	4.5	ng	175824	4	14.74	786812	20.0
Cyclotetradecane	15.31	7.7	ng	301063	4	14.74	786812	20.0
Phenanthrene, 2-m...	15.53	6.7	ng	264637	4	14.74	786812	20.0
4H-Cyclopenta[def...	15.68	8.3	ng	327445	4	14.74	786812	20.0
Naphthalene, 2-ph...	15.99	6.7	ng	262022	4	14.74	786812	20.0
9,10-Anthracenedione	16.03	5.1	ng	200962	4	14.74	786812	20.0
n-Hexadecanoic acid	16.09	6.8	ng	265566	4	14.74	786812	20.0
9,10-Dimethylanthe...	16.34	6.6	ng	258212	4	14.74	786812	20.0
Cyclopenta(def)ph...	16.46	7.3	ng	286847	4	14.74	786812	20.0
Pyrene, 1-methyl-	17.44	4.8	ng	551839	5	18.45	2292120	20.0
5,12-Naphthacened...	19.36	4.1	ng	150703	6	20.11	737629	20.0
1,1'-Binaphthalene	19.54	5.5	ng	203167	6	20.11	737629	20.0
Benzo[e]pyrene	19.82	5.9	ng	218038	6	20.11	737629	20.0