

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105027.D
 Acq On : 2 May 2018 13:36
 Operator : JU/SJ
 Sample : J2652-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WC

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-BF040618.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	5.034	488	501	503	rBV	2030329	4606083	100.00%	12.301%
2	5.410	563	565	584	rVB	70281	96510	2.10%	0.258%
3	6.428	735	738	750	rBV	827864	821335	17.83%	2.193%
4	6.557	757	760	767	rBV	411566	345202	7.49%	0.922%
5	6.787	796	799	804	rBV	668395	522229	11.34%	1.395%
6	6.945	822	826	829	rBV	1567961	1343180	29.16%	3.587%
7	7.357	891	896	907	rBV	1173440	1080997	23.47%	2.887%
8	8.075	1014	1018	1020	rBV	756617	707184	15.35%	1.889%
9	8.092	1020	1021	1029	rVB	243244	197805	4.29%	0.528%
10	8.239	1040	1046	1058	rBV	24978	66576	1.45%	0.178%
11	8.787	1136	1139	1147	rBV	142188	116336	2.53%	0.311%
12	8.886	1150	1156	1164	rVB	138310	116408	2.53%	0.311%
13	9.145	1196	1200	1204	rBV	1859653	1734873	37.66%	4.633%
14	9.416	1240	1246	1250	rBV	58459	77796	1.69%	0.208%
15	9.486	1254	1258	1261	rBV	106507	114163	2.48%	0.305%
16	9.545	1265	1268	1275	rVB	189488	174495	3.79%	0.466%
17	9.604	1275	1278	1286	rVB	60268	75776	1.65%	0.202%
18	9.692	1290	1293	1296	rVB2	78801	73417	1.59%	0.196%
19	9.828	1308	1316	1319	rBV2	864714	814365	17.68%	2.175%
20	9.863	1319	1322	1325	rVB	360112	295981	6.43%	0.790%
21	9.986	1338	1343	1345	rBV2	41030	48163	1.05%	0.129%
22	10.033	1347	1351	1354	rVV2	184949	184731	4.01%	0.493%
23	10.069	1354	1357	1361	rVB	65573	62675	1.36%	0.167%
24	10.145	1366	1370	1373	rBV	50449	57024	1.24%	0.152%
25	10.228	1381	1384	1386	rBV3	40869	54322	1.18%	0.145%
26	10.251	1386	1388	1391	rVB	109128	79887	1.73%	0.213%
27	10.381	1406	1410	1415	rVB	381694	349447	7.59%	0.933%
28	10.445	1415	1421	1422	rBV	56838	76584	1.66%	0.205%
29	10.463	1422	1424	1427	rVB2	74940	63587	1.38%	0.170%
30	10.533	1434	1436	1443	rVB	67188	76337	1.66%	0.204%
31	10.622	1443	1451	1454	rBV3	99295	149671	3.25%	0.400%
32	10.722	1466	1468	1477	rVB2	66594	110436	2.40%	0.295%
33	10.928	1496	1503	1506	rBV2	111417	149916	3.25%	0.400%
34	10.957	1506	1508	1511	rVV2	82637	79577	1.73%	0.213%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.010	1515	1517	1520	rVV2	73590	56186	1.22%	0.150%
36	11.057	1520	1525	1526	rVV2	37815	59218	1.29%	0.158%
37	11.075	1526	1528	1535	rVV2	46050	70299	1.53%	0.188%
38	11.175	1541	1545	1548	rVV3	81004	101342	2.20%	0.271%
39	11.216	1548	1552	1557	rVB	181556	176905	3.84%	0.472%
40	11.322	1566	1570	1572	rBV	784735	750683	16.30%	2.005%
41	11.351	1572	1575	1578	rVV	2175768	1882863	40.88%	5.028%
42	11.398	1580	1583	1586	rVV	578459	479609	10.41%	1.281%
43	11.433	1586	1589	1592	rVV	69165	84345	1.83%	0.225%
44	11.557	1605	1610	1616	rBV2	227788	250743	5.44%	0.670%
45	11.657	1624	1627	1632	rVB3	69035	98989	2.15%	0.264%
46	11.733	1638	1640	1645	rVB	48268	51487	1.12%	0.138%
47	11.822	1650	1655	1658	rBV	329276	345925	7.51%	0.924%
48	11.851	1658	1660	1664	rVV	384651	369469	8.02%	0.987%
49	11.898	1666	1668	1671	rVV	145909	136120	2.96%	0.364%
50	11.939	1671	1675	1677	rVV2	458984	509978	11.07%	1.362%
51	11.957	1677	1678	1683	rVB	226180	175103	3.80%	0.468%
52	12.122	1702	1706	1709	rBV	171449	156770	3.40%	0.419%
53	12.157	1709	1712	1716	rVB	99269	98064	2.13%	0.262%
54	12.269	1725	1731	1734	rBV2	79775	103331	2.24%	0.276%
55	12.298	1734	1736	1738	rVV	79526	64720	1.41%	0.173%
56	12.327	1738	1741	1743	rVB2	54518	50863	1.10%	0.136%
57	12.375	1744	1749	1752	rBV	190864	210090	4.56%	0.561%
58	12.416	1752	1756	1758	rVV2	101994	134709	2.92%	0.360%
59	12.469	1761	1765	1769	rBV3	72109	124520	2.70%	0.333%
60	12.545	1773	1778	1781	rBV	1850477	1633771	35.47%	4.363%
61	12.692	1800	1803	1806	rBV	71442	74047	1.61%	0.198%
62	12.774	1811	1817	1823	rBV	1352099	1754581	38.09%	4.686%
63	12.822	1823	1825	1830	rVB2	88592	109119	2.37%	0.291%
64	12.916	1833	1841	1844	rBV	1531455	1475683	32.04%	3.941%
65	12.939	1844	1845	1849	rVB	85671	59764	1.30%	0.160%
66	12.992	1850	1854	1859	rBV3	106311	187475	4.07%	0.501%
67	13.110	1871	1874	1877	rVB	318026	291874	6.34%	0.779%
68	13.180	1882	1886	1888	rVV	280407	257928	5.60%	0.689%
69	13.216	1888	1892	1900	rVB3	157550	257920	5.60%	0.689%
70	13.316	1906	1909	1912	rBV	94808	83700	1.82%	0.224%
71	13.345	1912	1914	1919	rBV2	99142	104326	2.26%	0.279%

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72	13.616	1957	1960	1964	rBV	50010	77123	1.67%	0.206%
73	13.651	1964	1966	1969	rVB2	57978	58743	1.28%	0.157%
74	13.763	1980	1985	1988	rBV	127017	156272	3.39%	0.417%
75	13.792	1988	1990	1993	rVB	114178	91304	1.98%	0.244%
76	13.821	1993	1995	1996	rBV	70054	55856	1.21%	0.149%
77	14.016	2022	2028	2031	rBV	3381539	4408084	95.70%	11.772%
78	14.069	2035	2037	2045	rVB	715850	651577	14.15%	1.740%
79	14.157	2049	2052	2055	rVV	116533	101893	2.21%	0.272%
80	14.210	2059	2061	2067	rVB5	40819	62684	1.36%	0.167%
81	14.263	2068	2070	2074	rVV2	38742	46310	1.01%	0.124%
82	14.433	2096	2099	2101	rBV2	49757	54655	1.19%	0.146%
83	14.474	2101	2106	2110	rVV	157523	220424	4.79%	0.589%
84	14.516	2110	2113	2115	rVV	81841	89545	1.94%	0.239%
85	14.563	2119	2121	2123	rVV3	63678	79656	1.73%	0.213%
86	14.616	2127	2130	2132	rVV2	77209	81782	1.78%	0.218%
87	14.639	2132	2134	2138	rVB	82458	86461	1.88%	0.231%
88	15.027	2197	2200	2203	rBV2	52807	62197	1.35%	0.166%
89	15.192	2223	2228	2231	rBV	522127	807886	17.54%	2.158%
90	15.298	2243	2246	2251	rVB	110564	130653	2.84%	0.349%
91	15.498	2276	2280	2287	rVV	285531	365388	7.93%	0.976%
92	15.563	2287	2291	2297	rVV	445154	551450	11.97%	1.473%
93	15.627	2297	2302	2305	rVV	436373	558524	12.13%	1.492%
94	15.657	2305	2307	2315	rVB	138503	176179	3.82%	0.471%
95	17.115	2549	2555	2561	rBV2	150266	285669	6.20%	0.763%
96	17.298	2581	2586	2591	rBV2	30396	59661	1.30%	0.159%
97	17.562	2626	2631	2640	rBV	95159	213394	4.63%	0.570%
98	17.815	2669	2674	2677	rBV4	34007	64006	1.39%	0.171%
99	17.986	2699	2703	2711	rVB10	39363	91177	1.98%	0.244%

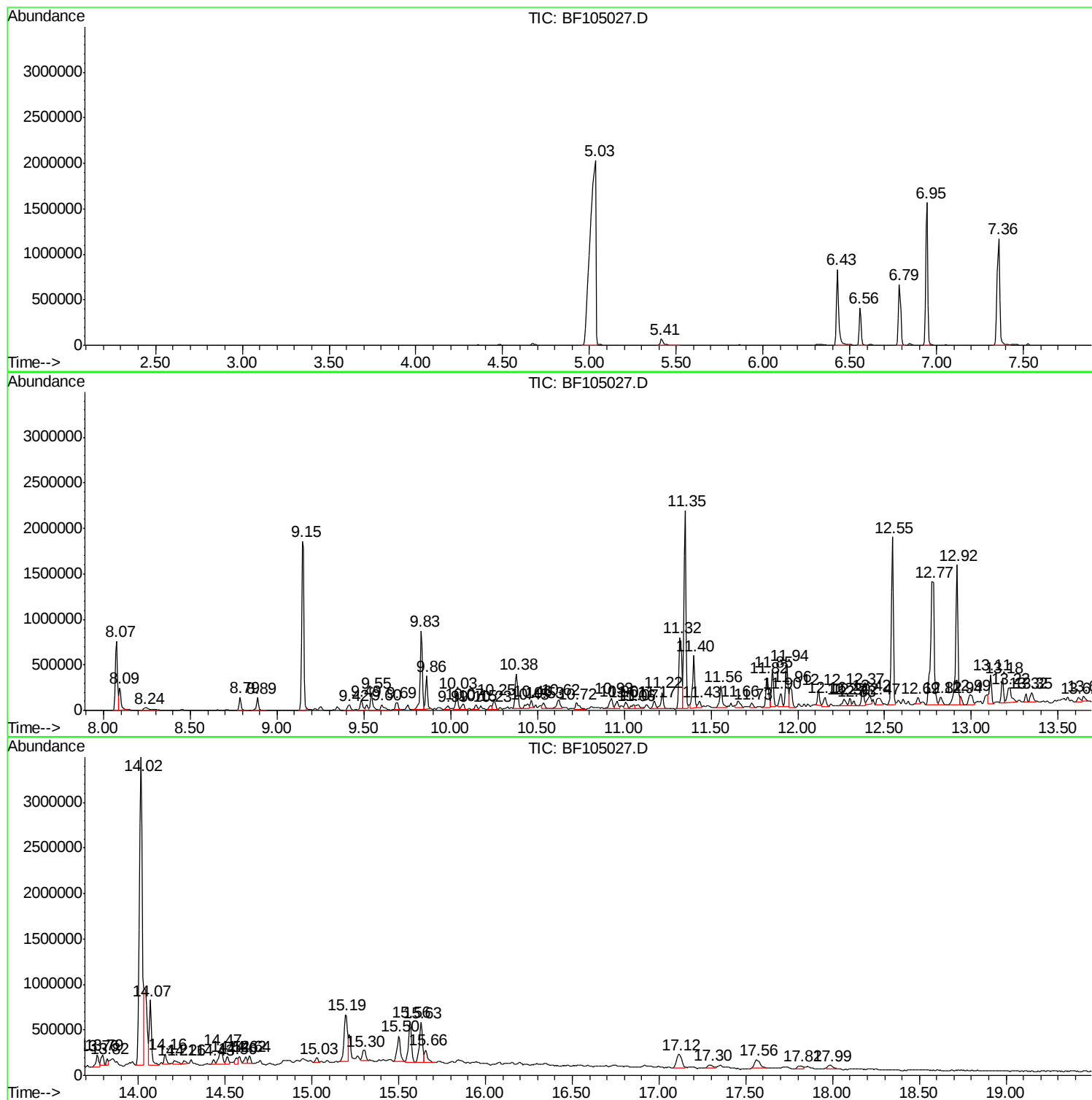
Sum of corrected areas: 37444140

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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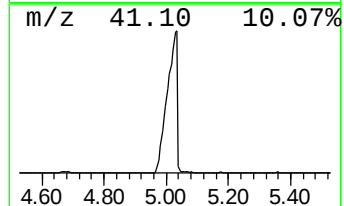
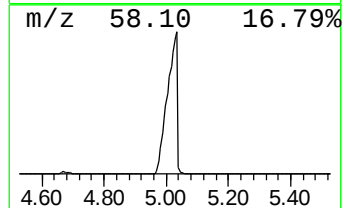
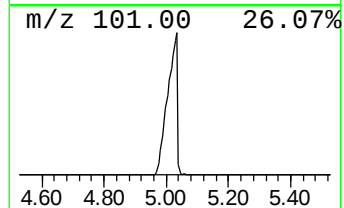
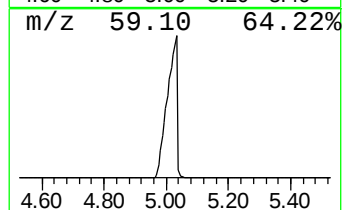
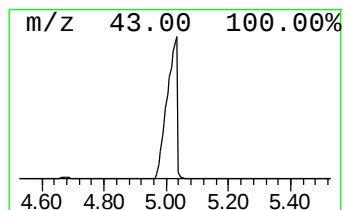
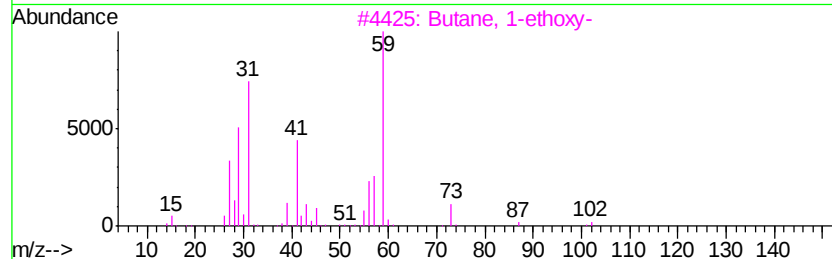
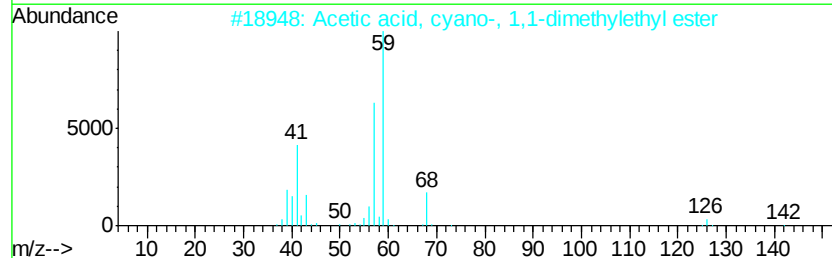
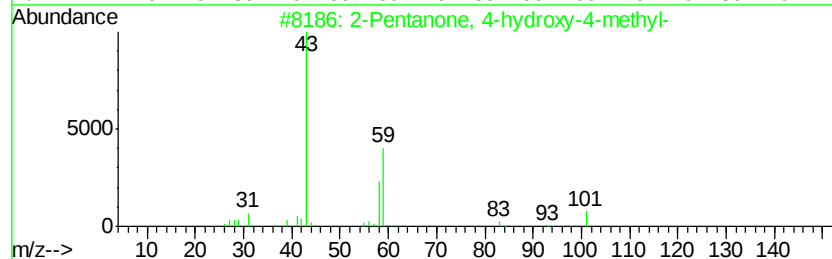
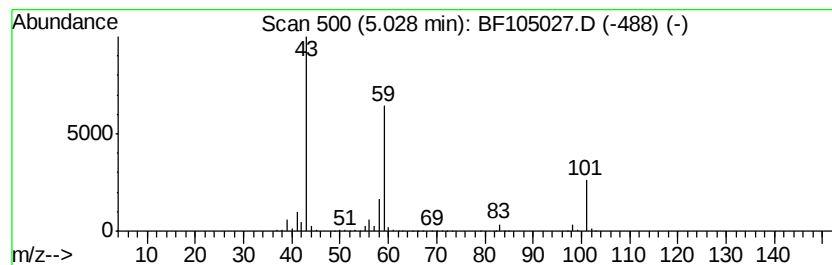
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	176.40 ng	4606080	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		5-Hexen-2-one	98	C6H10O	000109-49-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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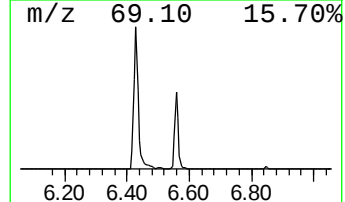
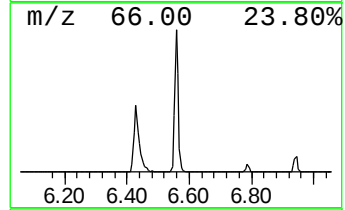
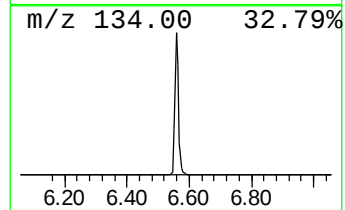
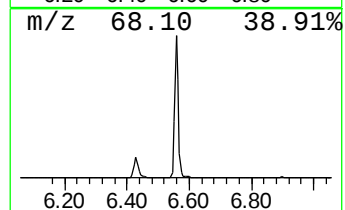
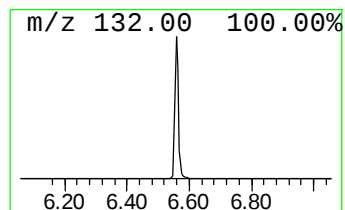
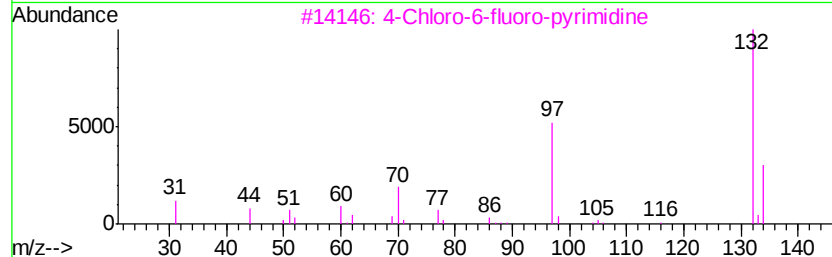
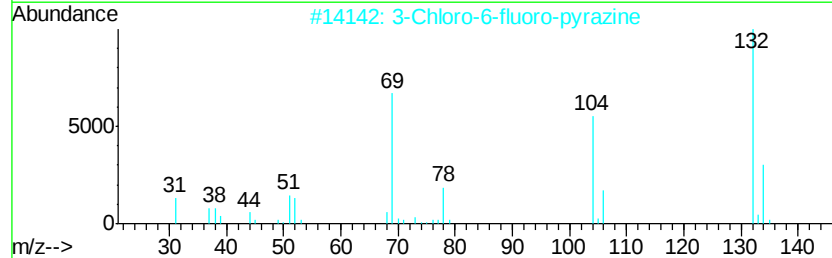
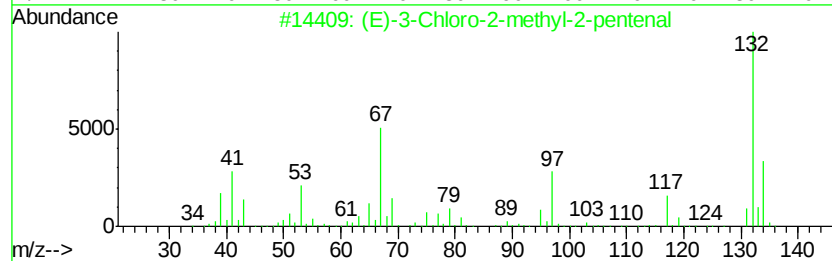
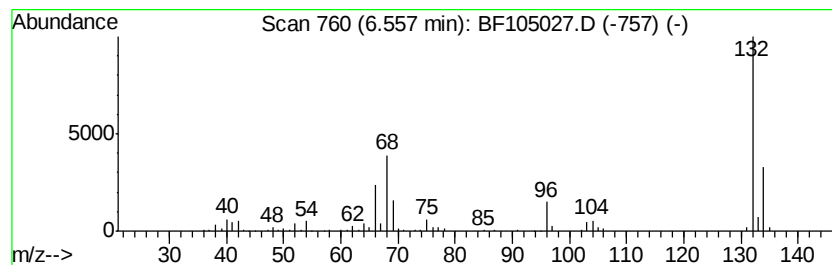
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.56 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	13.22 ng	345202	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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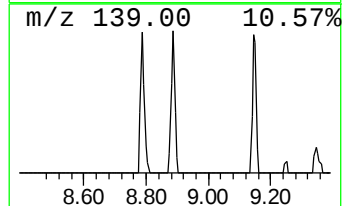
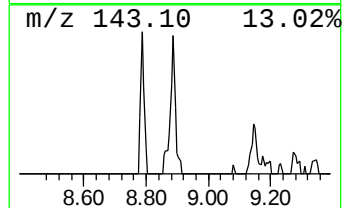
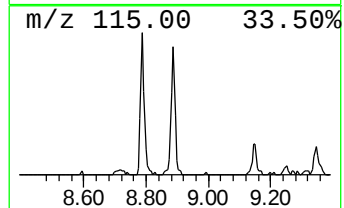
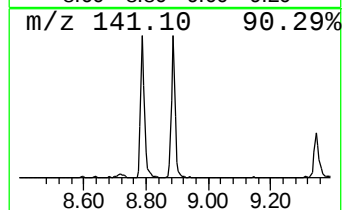
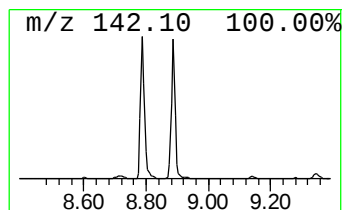
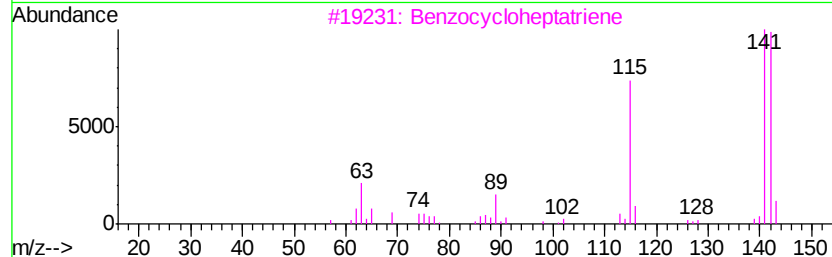
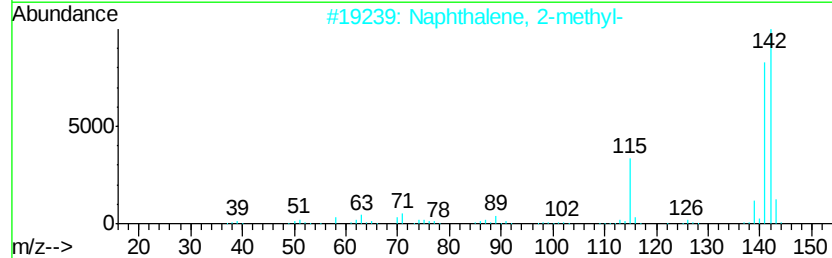
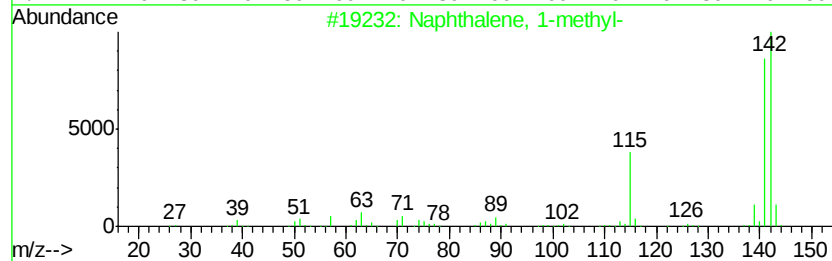
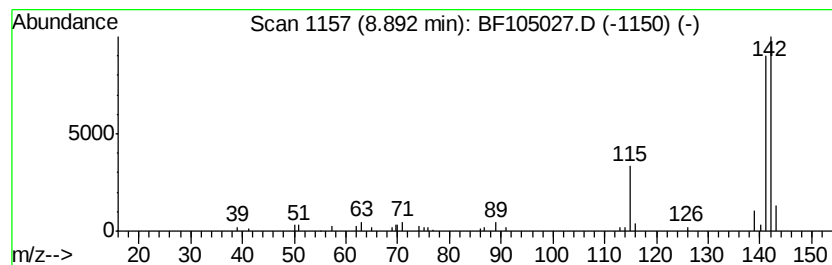
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.89	3.29 ng	116408	Naphthalene-d8	8.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WC

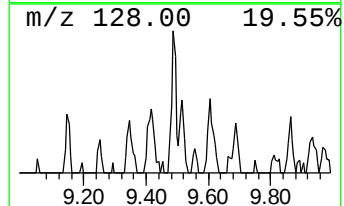
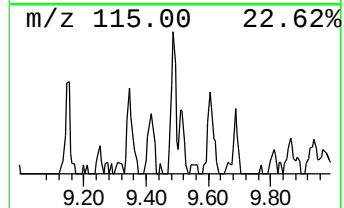
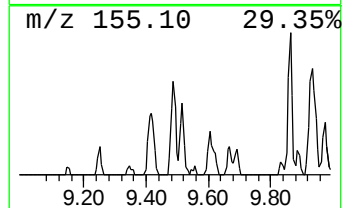
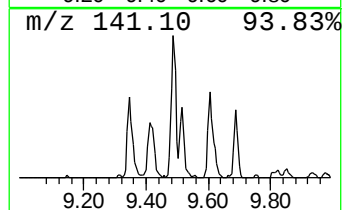
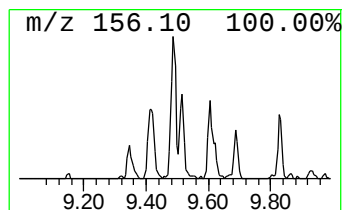
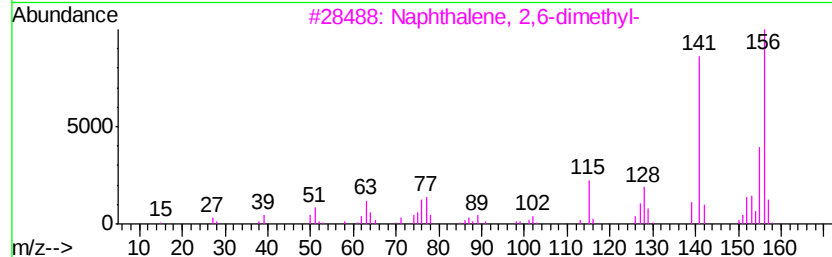
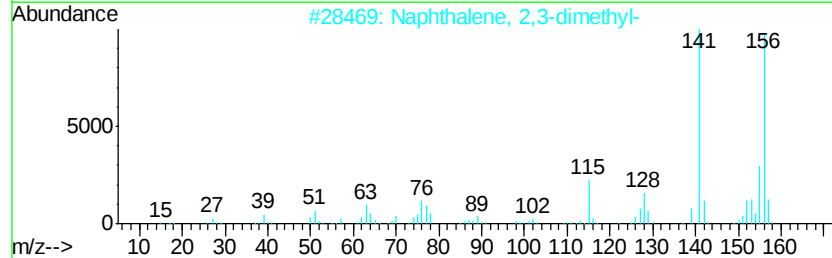
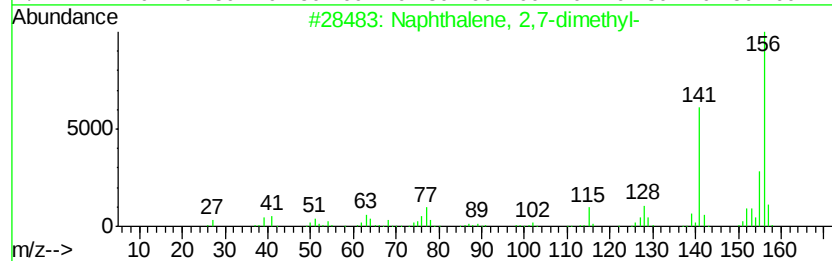
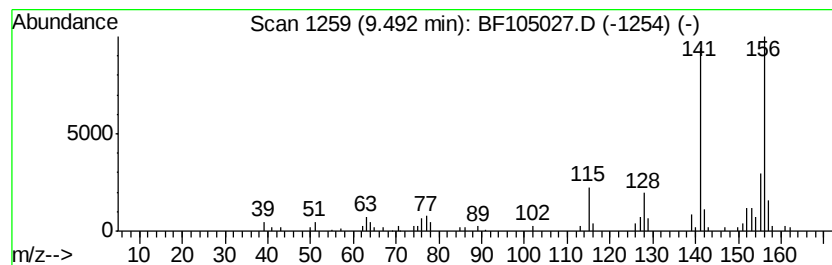
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	2.80 ng	114163	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
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Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

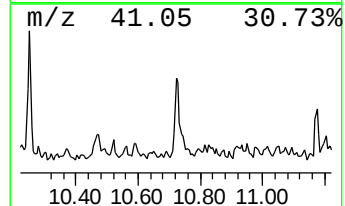
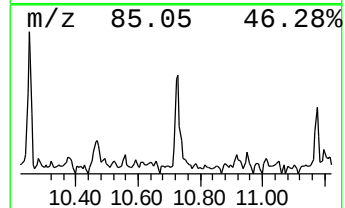
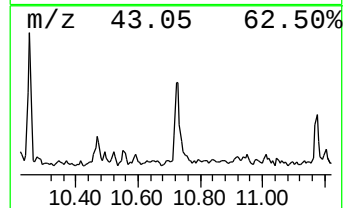
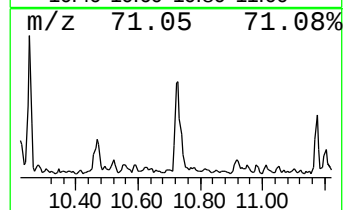
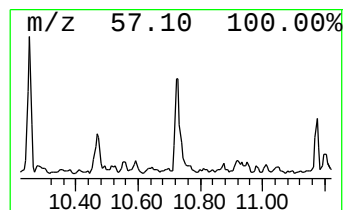
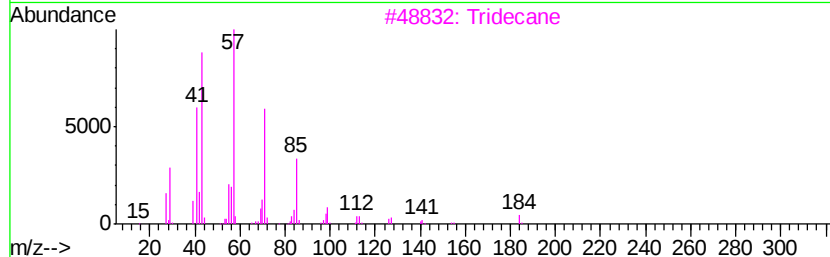
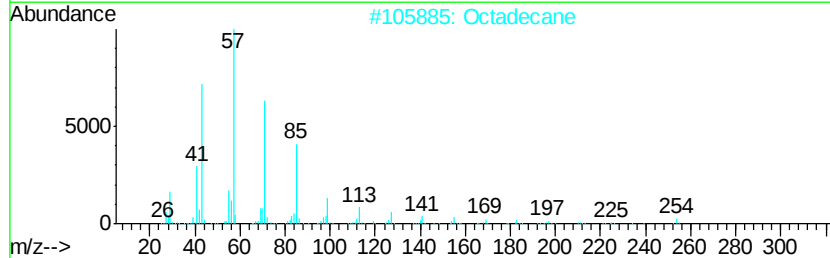
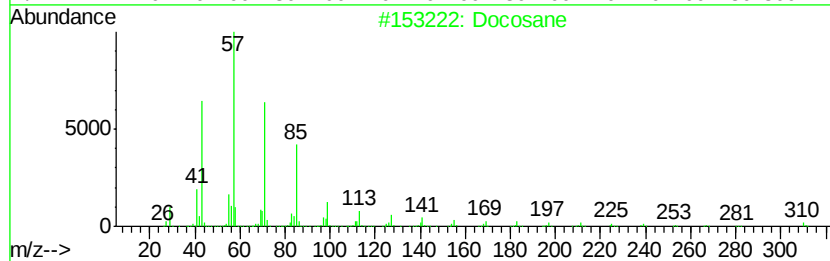
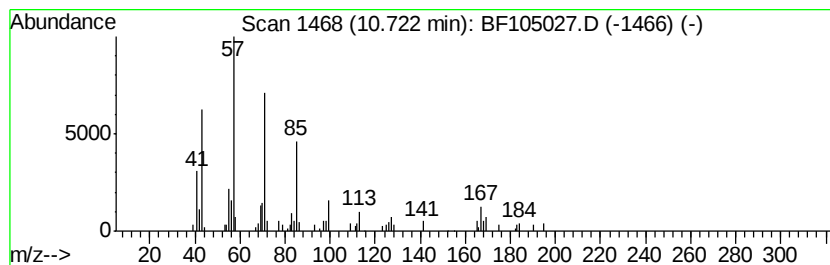
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Docosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.72	2.94 ng	110436	Phenanthrene-d10		11.32	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane		310	C22H46	000629-97-0	80
2	Octadecane		254	C18H38	000593-45-3	80
3	Tridecane		184	C13H28	000629-50-5	74
4	Tetracosane		338	C24H50	000646-31-1	74
5	Heneicosane		296	C21H44	000629-94-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

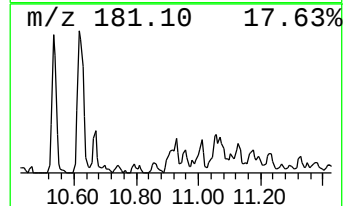
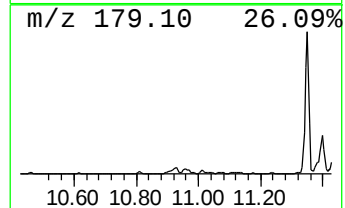
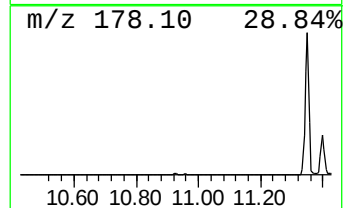
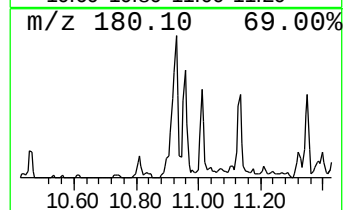
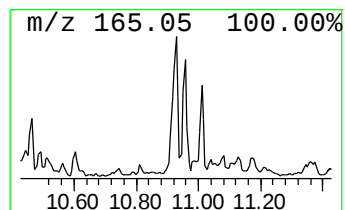
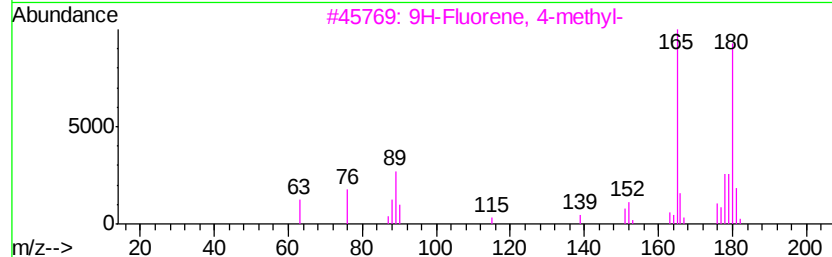
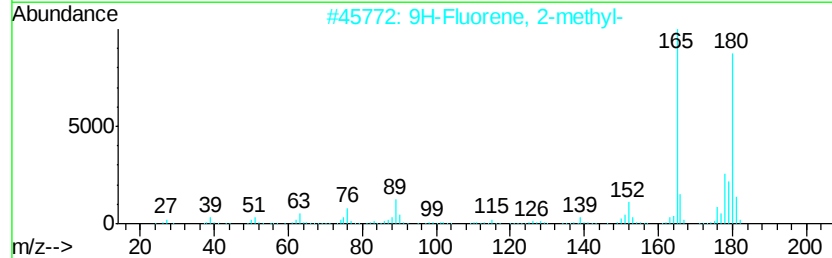
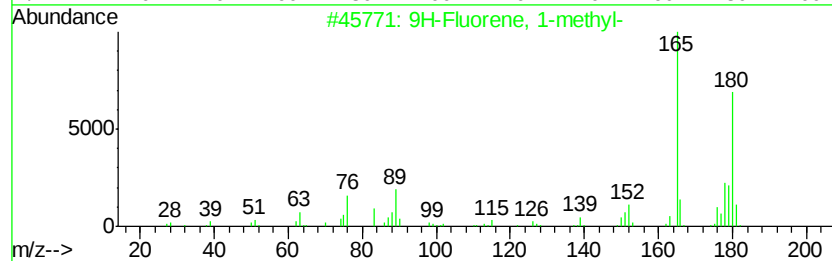
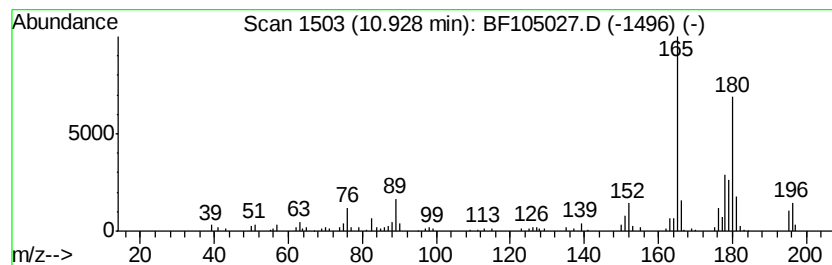
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	3.99 ng	149916	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
3			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

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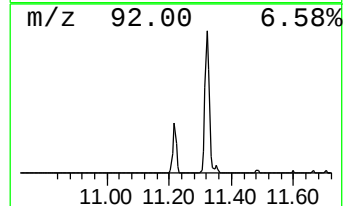
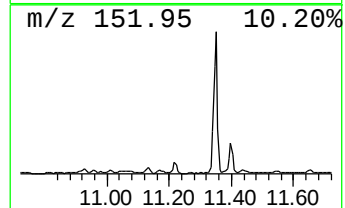
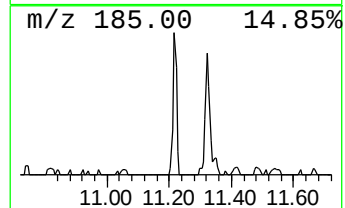
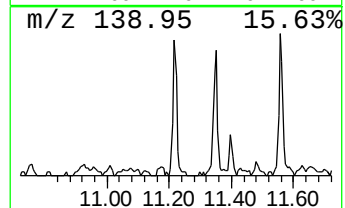
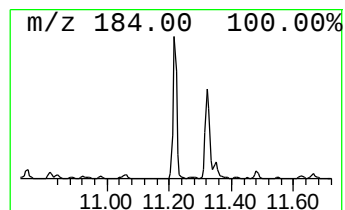
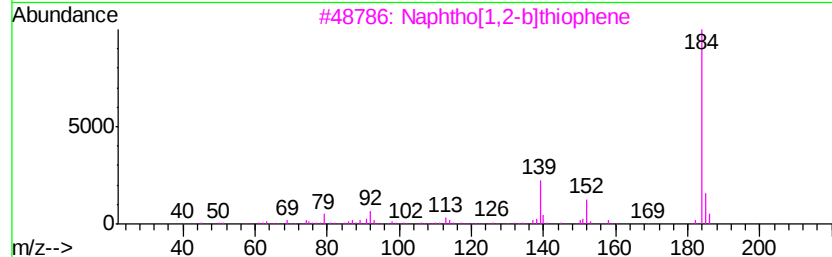
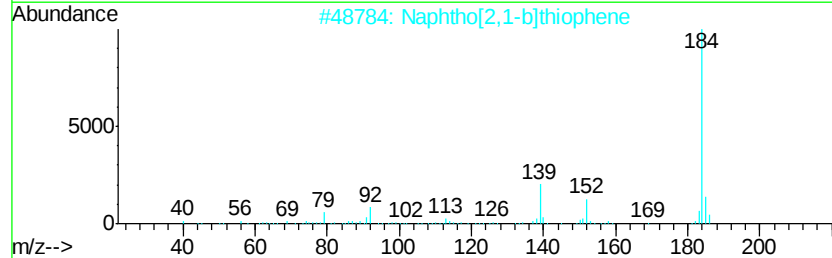
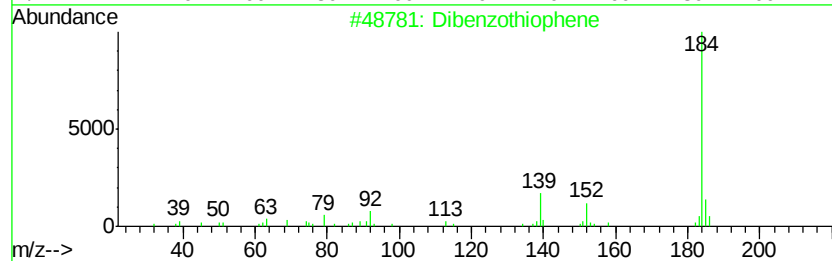
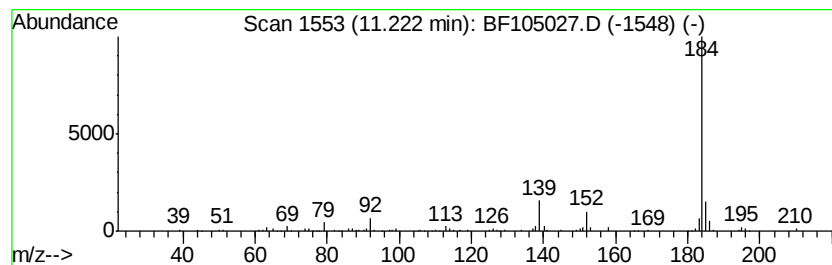
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.71 ng	176905	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

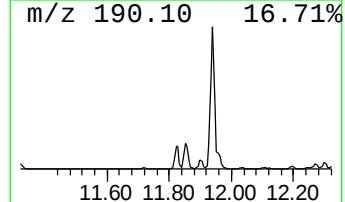
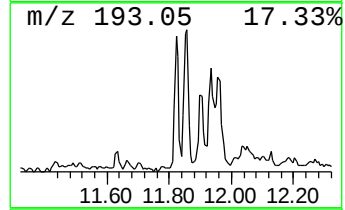
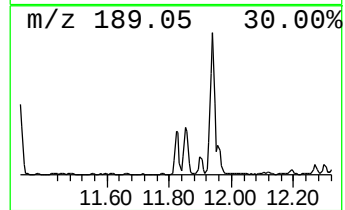
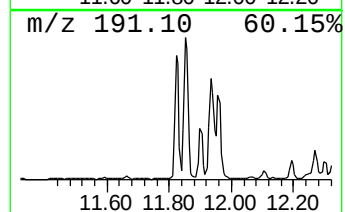
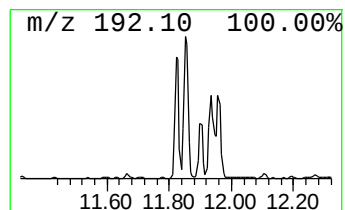
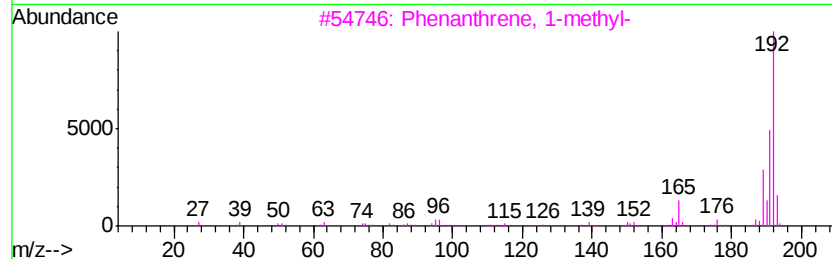
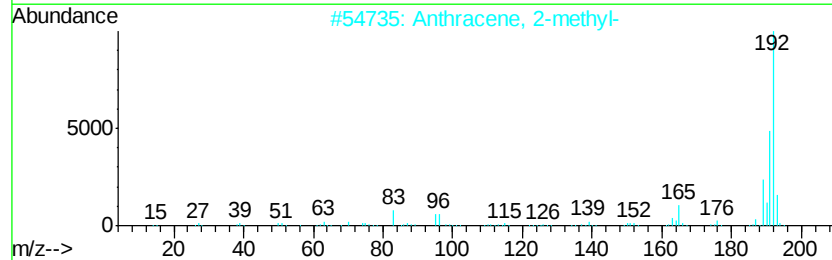
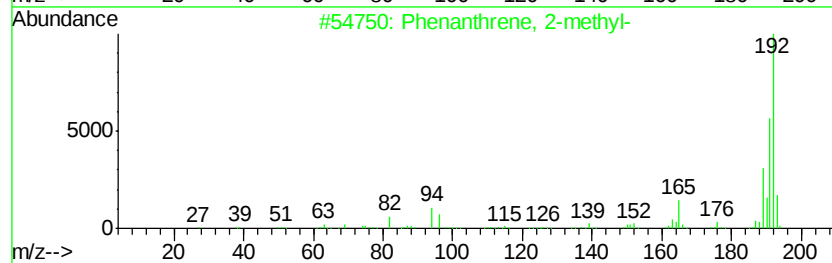
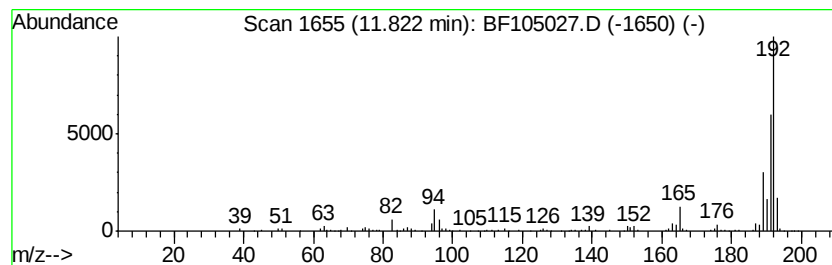
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.82	9.22 ng	345925	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
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Operator : JU/SJ
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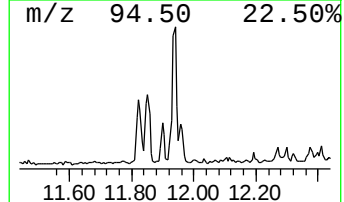
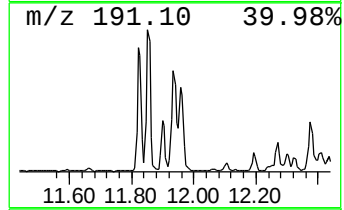
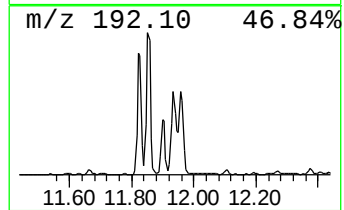
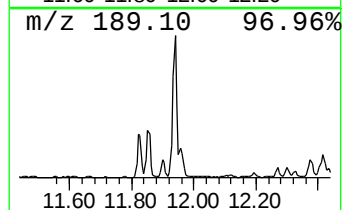
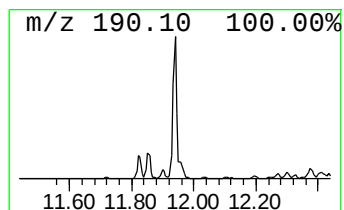
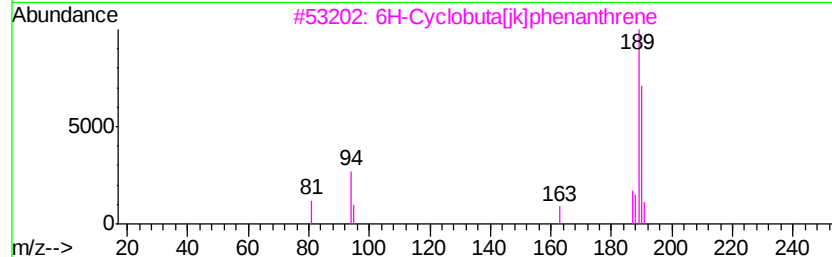
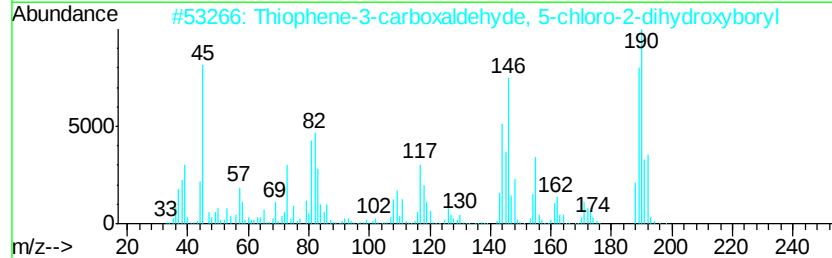
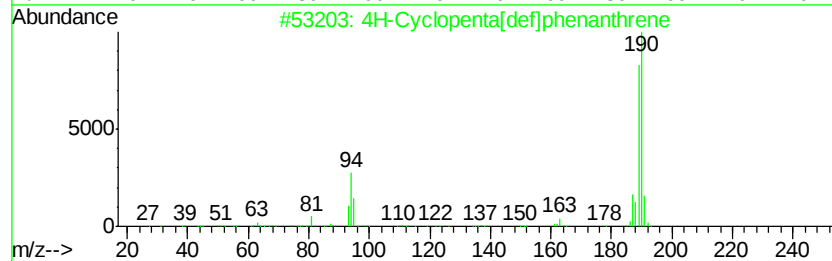
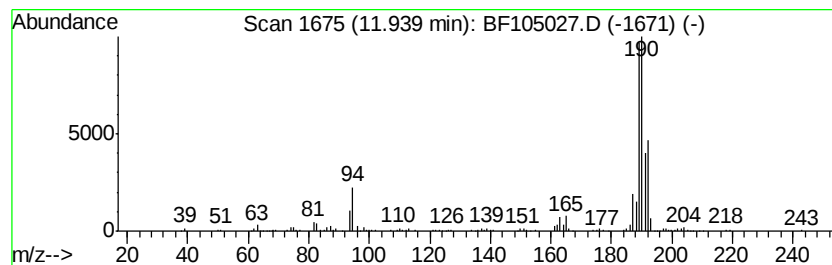
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	13.59 ng	509978	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	53
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5		2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
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Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

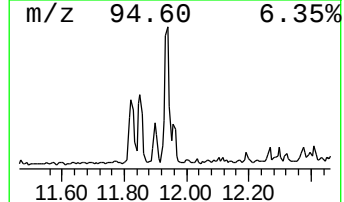
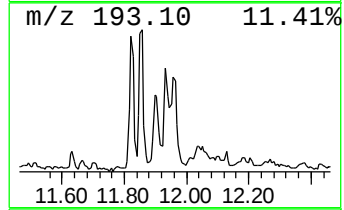
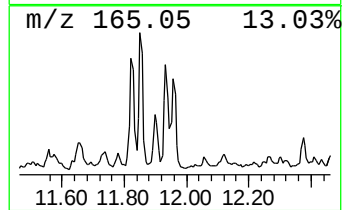
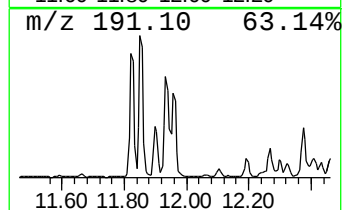
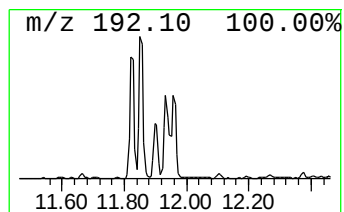
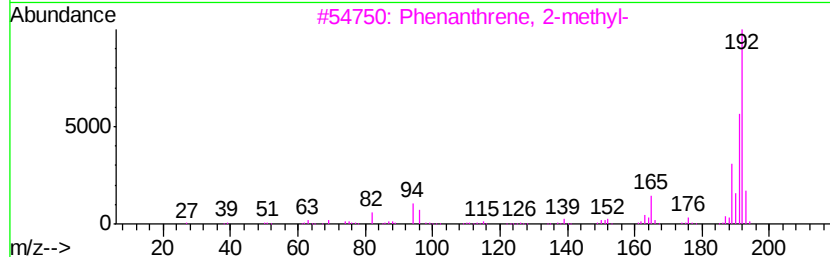
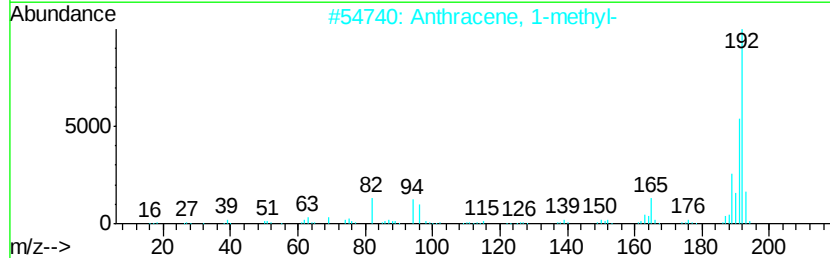
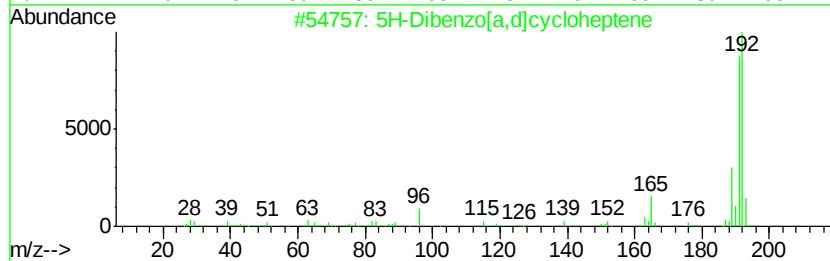
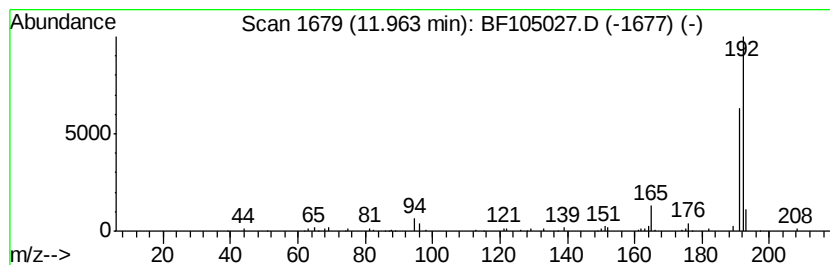
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5H-Dibenzo[a,d]cycloheptene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.67 ng	175103	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WC

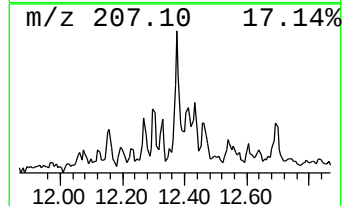
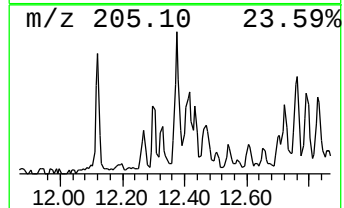
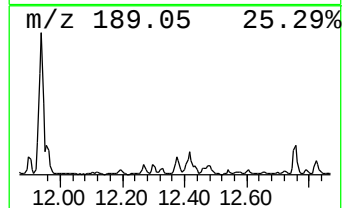
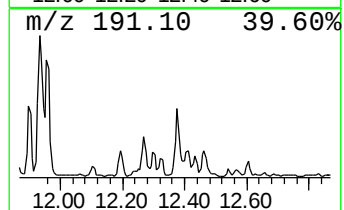
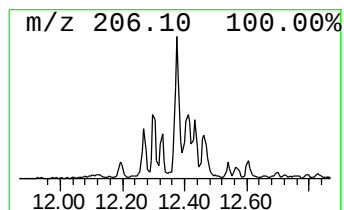
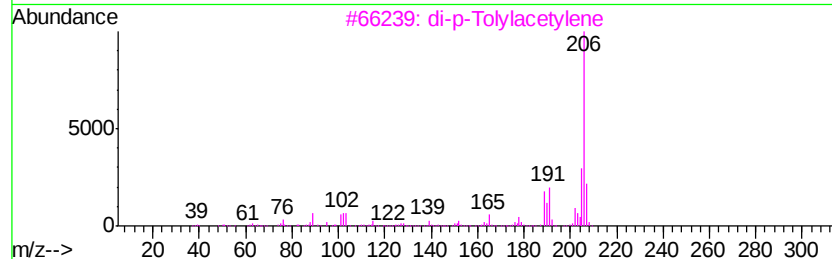
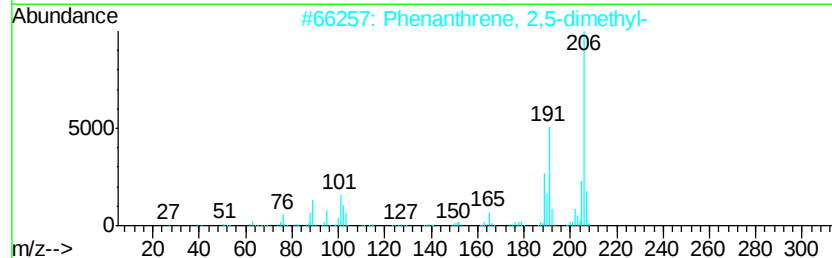
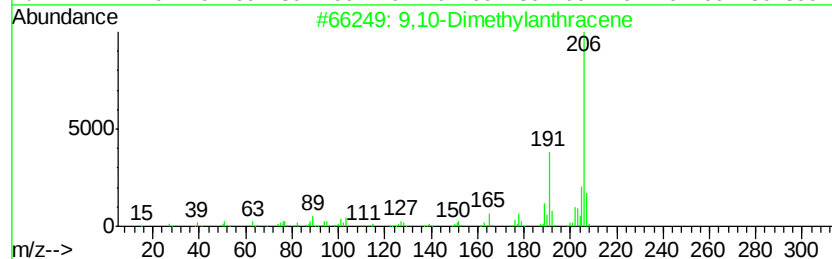
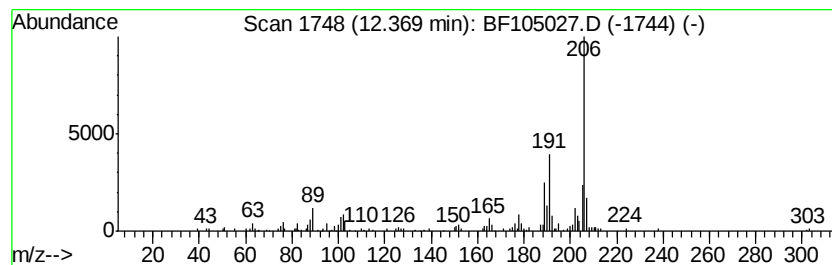
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Dimethylantracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	5.60 ng	210090	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	97
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	92
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

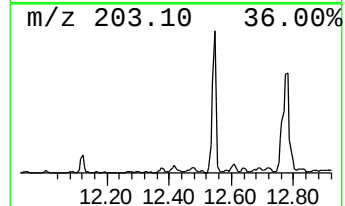
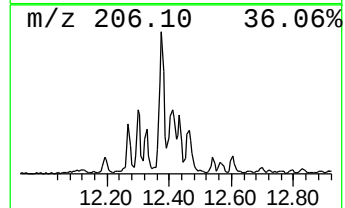
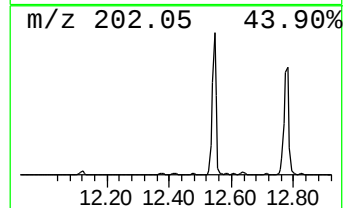
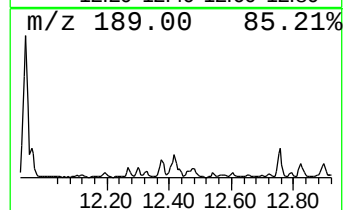
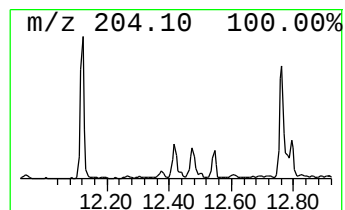
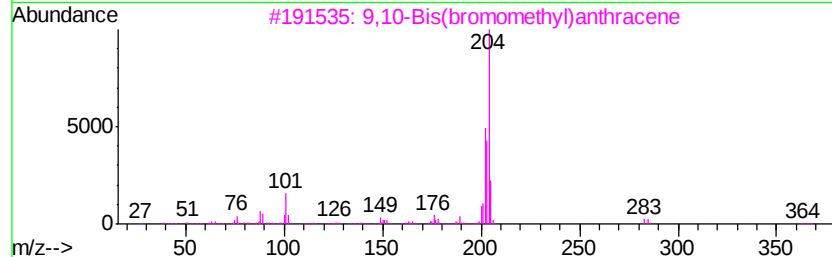
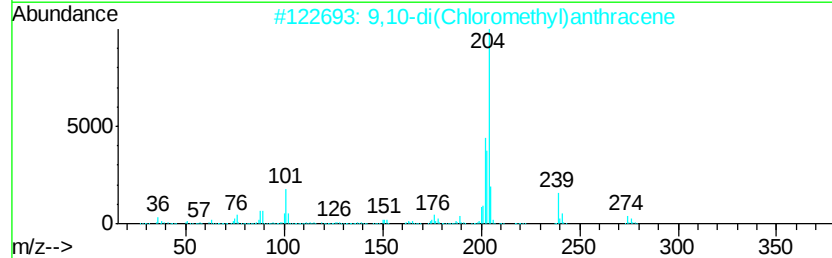
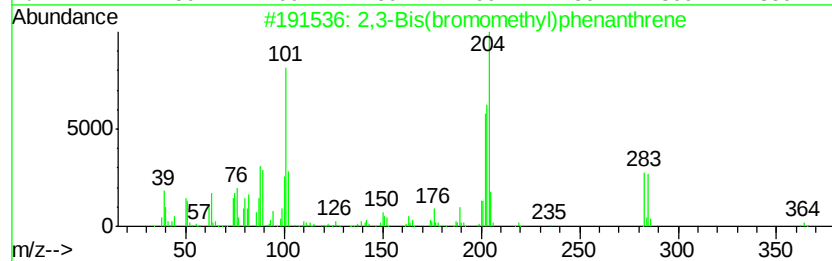
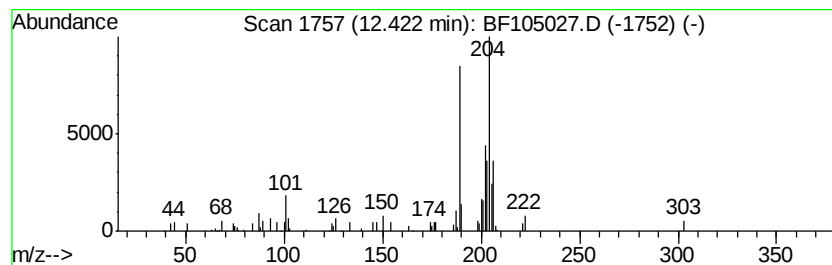
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.42 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.59 ng	134709	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	43
2		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35
5		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

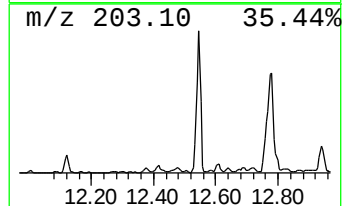
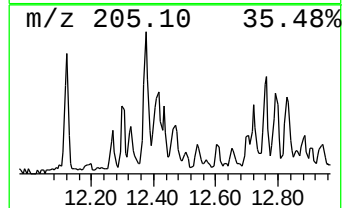
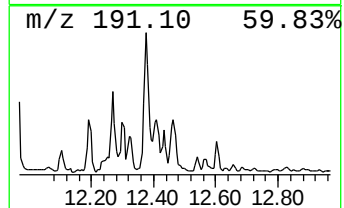
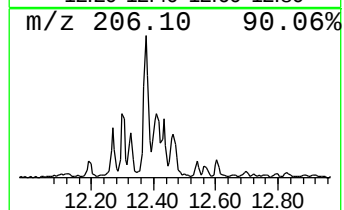
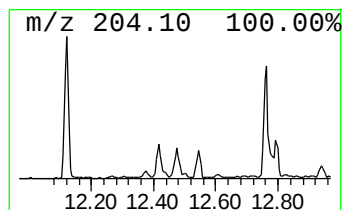
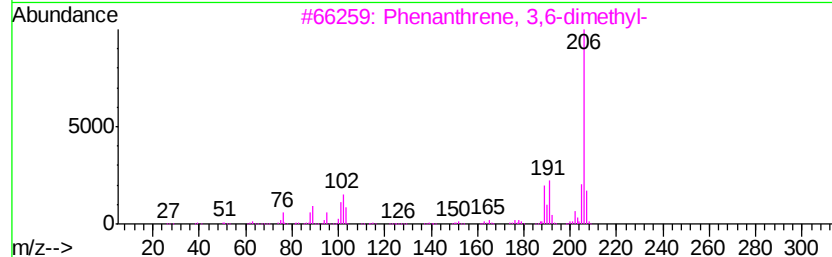
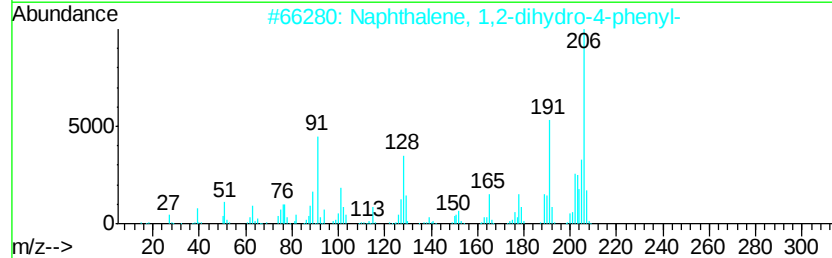
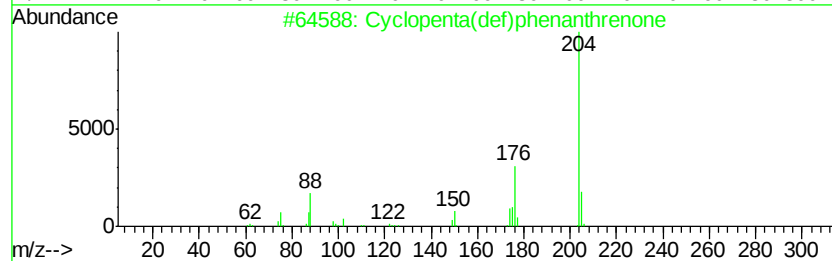
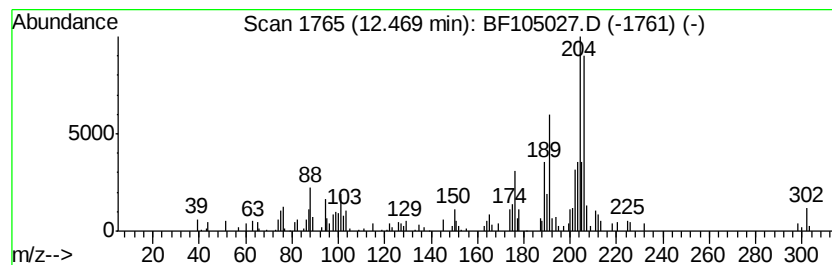
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.47 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.32 ng	124520	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	42
2		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	38
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

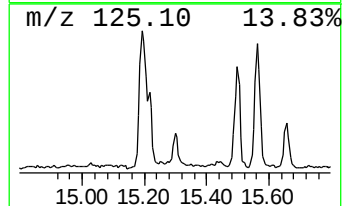
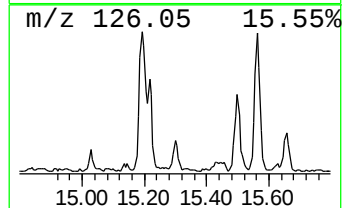
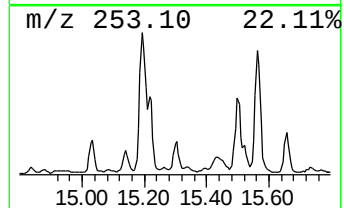
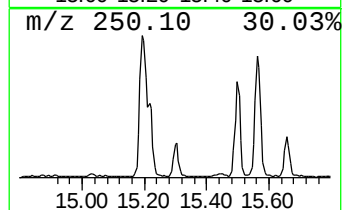
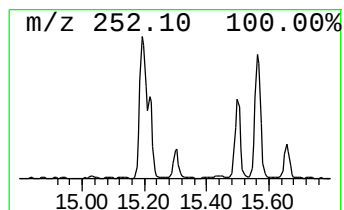
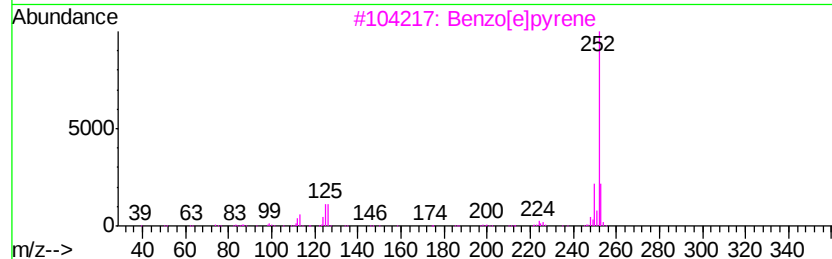
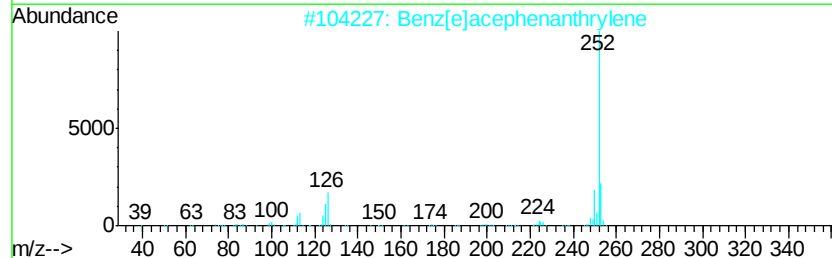
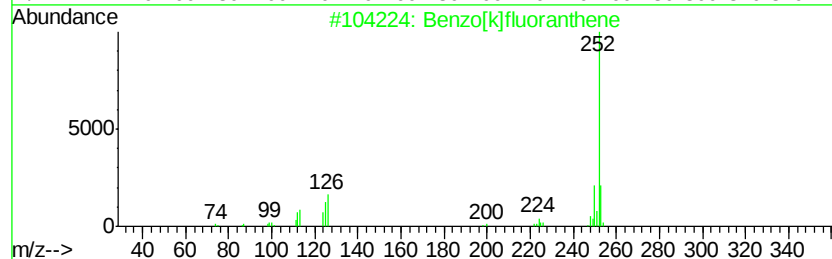
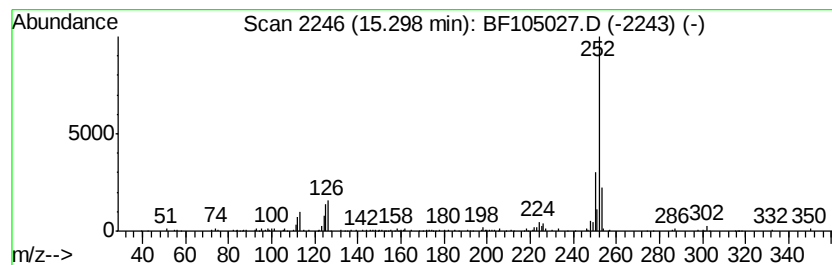
Instrument :
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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[k]fluoranthene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	4.68 ng	130653	Perylene-d12	15.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93
2		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 93
3		Benzo[e]pyrene	252 C20H12	000192-97-2 93
4		Benzo[a]pyrene	252 C20H12	000050-32-8 90
5		Perylene	252 C20H12	000198-55-0 87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
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Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

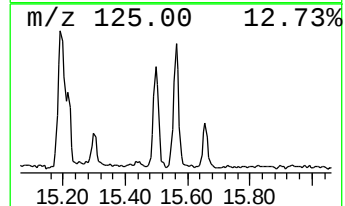
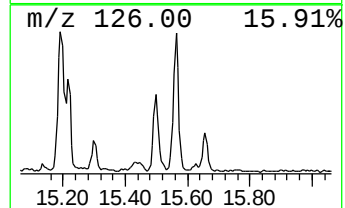
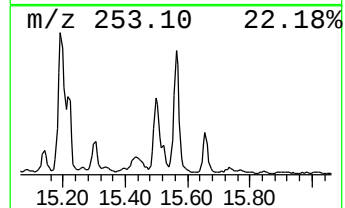
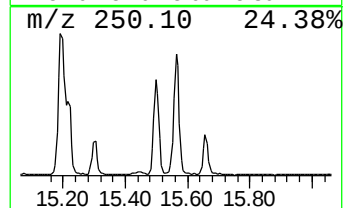
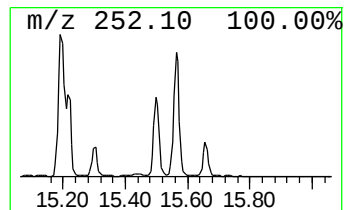
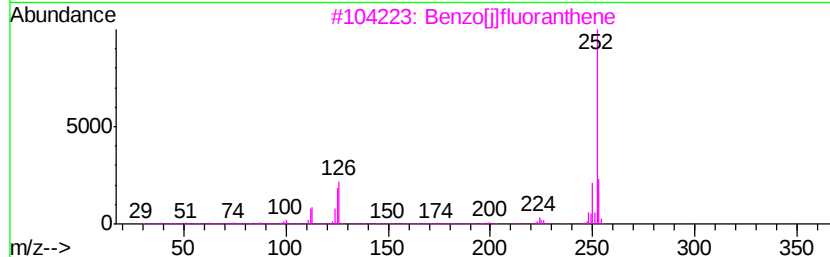
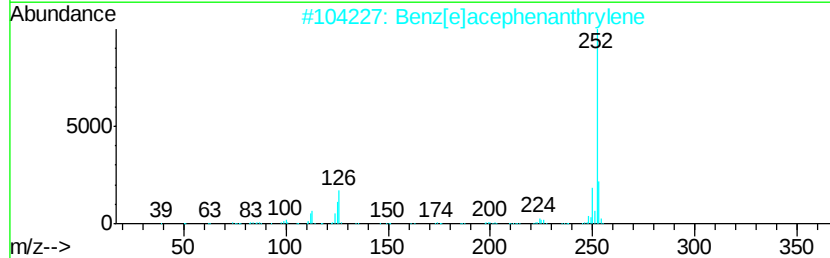
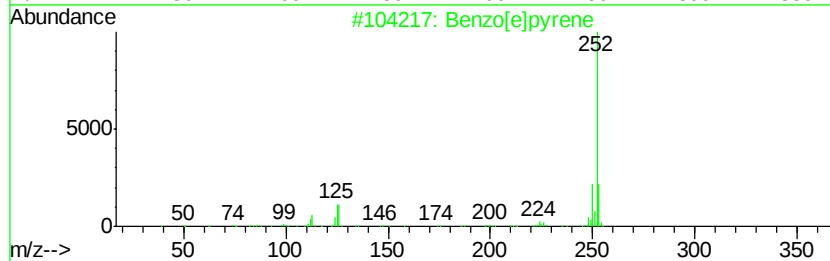
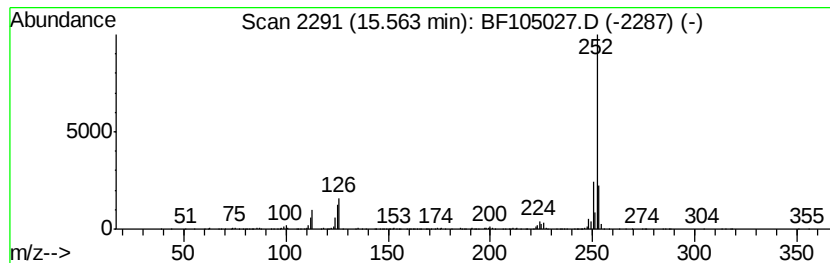
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	19.75 ng	551450	Perylene-d12	15.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpvrene	252	C20H12	000192-97-2	99
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	99
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
4		Benzo[a]bpvrene	252	C20H12	000050-32-8	98
5		Perylene	252	C20H12	000198-55-0	98



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105027.D
Acq On : 2 May 2018 13:36
Operator : JU/SJ
Sample : J2652-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AMENDED-COMPOSITE-P5-WC

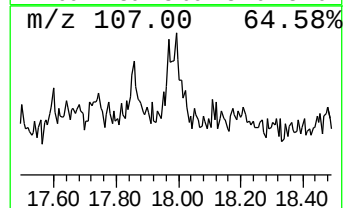
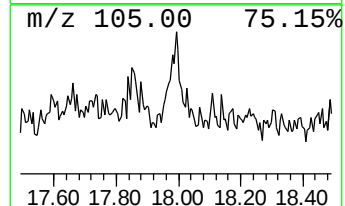
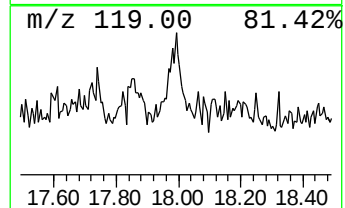
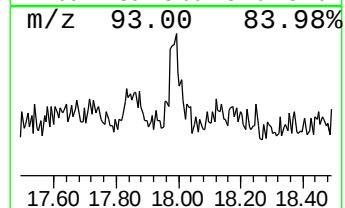
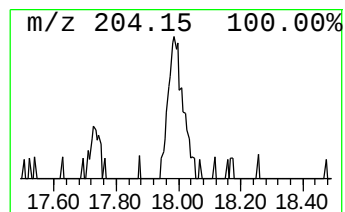
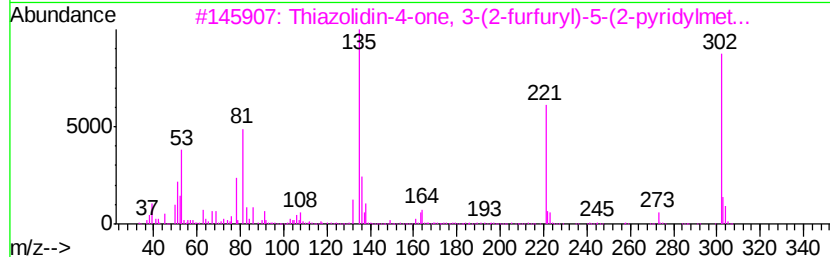
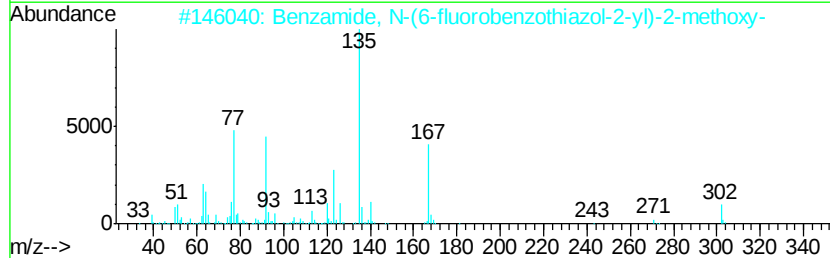
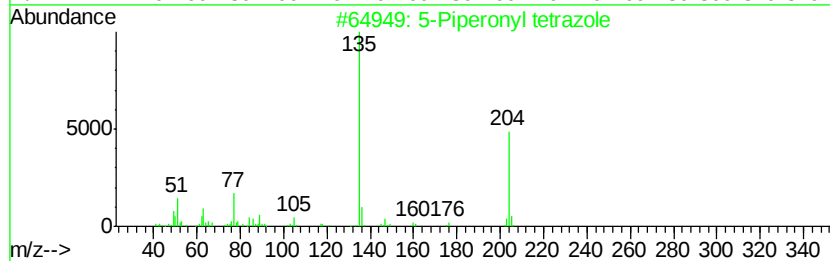
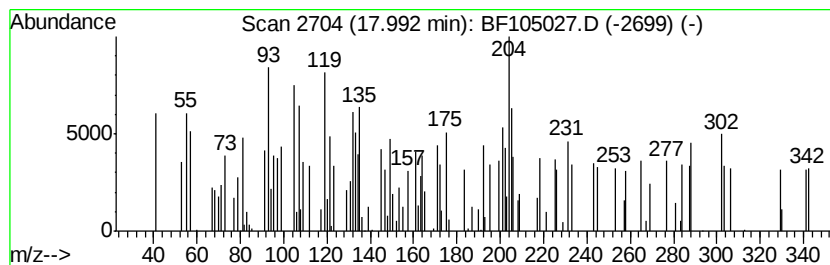
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.99 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	3.26 ng	91177	Perylene-d12	15.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Piperonyl tetrazole	204	C9H8N4O2	032688-20-3	35
2		Benzamide, N-(6-fluorobenzothiaz...	302	C15H11FN2O2S	1000315-97-7	22
3		Thiazolidin-4-one, 3-(2-furfuryl...	302	C14H10N2O2S2	307343-71-1	22
4		Androst-5-en-17-ol, 4,4-dimethyl-	302	C21H34O	1000195-76-3	15
5		3-Dimethylamino-6,6,9-trimethyl-...	287	C18H25NO2	1000192-45-6	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 AMENDED-COMPOSITE-P5-WC

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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...	5.03	176.4	ng	4606080	1	6.79	522229	20.0
unknown6.56	6.56	13.2	ng	345202	1	6.79	522229	20.0
Naphthalene, 1-me...	8.89	3.3	ng	116408	2	8.07	707184	20.0
Naphthalene, 2,7-...	9.49	2.8	ng	114163	3	9.83	814365	20.0
Docosane	10.72	2.9	ng	110436	4	11.32	750683	20.0
9H-Fluorene, 1-me...	10.93	4.0	ng	149916	4	11.32	750683	20.0
Dibenzothiophene	11.22	4.7	ng	176905	4	11.32	750683	20.0
Phenanthrene, 2-m...	11.82	9.2	ng	345925	4	11.32	750683	20.0
4H-Cyclopenta[def...	11.94	13.6	ng	509978	4	11.32	750683	20.0
5H-Dibenzo[a,d]cy...	11.96	4.7	ng	175103	4	11.32	750683	20.0
9,10-Dimethylanthe...	12.37	5.6	ng	210090	4	11.32	750683	20.0
unknown12.42	12.42	3.6	ng	134709	4	11.32	750683	20.0
unknown12.47	12.47	3.3	ng	124520	4	11.32	750683	20.0
Benzo[k]fluoranthene	15.30	4.7	ng	130653	6	15.63	558524	20.0
Benzo[e]pyrene	15.56	19.8	ng	551450	6	15.63	558524	20.0
unknown17.99	17.99	3.3	ng	91177	6	15.63	558524	20.0