

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104196.D
 Acq On : 3 Apr 2018 22:49
 Operator : JU/SJ
 Sample : J2182-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-WW(2.5-5)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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	2.299	30	36	41	rVB	68322	94252	2.43%	0.225%
2	5.210	528	531	545	rBV	82226	137052	3.53%	0.328%
3	5.598	593	597	625	rBV	2221660	2994362	77.10%	7.163%
4	6.604	763	768	786	rVV	2047019	3320537	85.49%	7.943%
5	6.734	786	790	820	rVB	2707325	3480710	89.62%	8.326%
6	6.957	825	828	851	rVV	442910	683326	17.59%	1.635%
7	7.116	851	855	879	rVB	2200646	2521649	64.93%	6.032%
8	7.528	921	925	948	rBV	1436754	2131684	54.88%	5.099%
9	8.239	1042	1046	1079	rBV	752452	1043627	26.87%	2.496%
10	8.951	1164	1167	1174	rBV	30045	44177	1.14%	0.106%
11	9.316	1224	1229	1237	rBV	3280663	3883921	100.00%	9.291%
12	9.416	1244	1246	1257	rVB2	35537	65944	1.70%	0.158%
13	9.704	1289	1295	1301	rVB	196689	237229	6.11%	0.567%
14	9.904	1326	1329	1332	rBV	86789	69876	1.80%	0.167%
15	9.998	1341	1345	1348	rBV	1037293	990269	25.50%	2.369%
16	10.028	1348	1350	1357	rVB	165505	172489	4.44%	0.413%
17	10.204	1375	1380	1388	rBV4	55022	129811	3.34%	0.311%
18	10.380	1407	1410	1412	rBV	59257	51821	1.33%	0.124%
19	10.404	1412	1414	1417	rVB	130458	95181	2.45%	0.228%
20	10.551	1434	1439	1445	rBV	95367	125390	3.23%	0.300%
21	10.622	1445	1451	1459	rVV3	47414	90341	2.33%	0.216%
22	10.798	1476	1481	1492	rBV	1924375	2489007	64.08%	5.954%
23	10.880	1492	1495	1505	rVB	135317	221439	5.70%	0.530%
24	11.327	1568	1571	1573	rBV	88224	61632	1.59%	0.147%
25	11.357	1573	1576	1579	rVB2	43809	44934	1.16%	0.107%
26	11.392	1579	1582	1593	rVB	55589	84587	2.18%	0.202%
27	11.492	1595	1599	1601	rBV	810162	872019	22.45%	2.086%
28	11.522	1601	1604	1610	rVV	1103693	1305501	33.61%	3.123%
29	11.574	1610	1613	1622	rVB	205894	287862	7.41%	0.689%
30	11.733	1637	1640	1642	rBV	71769	85059	2.19%	0.203%
31	11.751	1642	1643	1646	rVB	113165	85588	2.20%	0.205%
32	11.998	1681	1685	1687	rBV	138446	152486	3.93%	0.365%
33	12.027	1687	1690	1695	rVB2	128887	152190	3.92%	0.364%
34	12.110	1700	1704	1706	rBV2	160692	180245	4.64%	0.431%

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Instrument :
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6-WM-DIP-6-WW(2.5-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
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Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	12.163	1711	1713	1716	rVB	84840	68182	1.76%	0.163%
36	12.292	1732	1735	1738	rBV	62747	75538	1.94%	0.181%
37	12.551	1775	1779	1782	rBV2	111096	128874	3.32%	0.308%
38	12.716	1803	1807	1815	rBV	1545237	1629635	41.96%	3.898%
39	12.869	1830	1833	1839	rVB2	43388	64258	1.65%	0.154%
40	12.927	1839	1843	1844	rBV2	303307	308900	7.95%	0.739%
41	12.945	1844	1846	1852	rVB	1169199	1136662	29.27%	2.719%
42	13.080	1864	1869	1879	rBV	2726662	3488577	89.82%	8.345%
43	13.274	1896	1902	1908	rVB2	162158	255097	6.57%	0.610%
44	13.339	1910	1913	1916	rBV	93127	96298	2.48%	0.230%
45	13.474	1933	1936	1938	rBV	43570	50256	1.29%	0.120%
46	13.786	1987	1989	1994	rVB	56511	63291	1.63%	0.151%
47	13.898	2005	2008	2010	rBV	93890	95974	2.47%	0.230%
48	13.921	2010	2012	2014	rVV	104865	101701	2.62%	0.243%
49	13.951	2014	2017	2023	rVV2	352794	448756	11.55%	1.073%
50	13.998	2023	2025	2032	rVB	71670	90950	2.34%	0.218%
51	14.151	2046	2051	2054	rBV2	854013	1425962	36.71%	3.411%
52	14.174	2054	2055	2062	rVB	557753	561719	14.46%	1.344%
53	14.257	2067	2069	2075	rVB2	91232	95162	2.45%	0.228%
54	15.233	2231	2235	2250	rVB	443086	1151904	29.66%	2.755%
55	15.345	2251	2254	2267	rVB	90110	173829	4.48%	0.416%
56	15.557	2286	2290	2297	rBV	217509	307973	7.93%	0.737%
57	15.627	2298	2302	2309	rBV	293934	448574	11.55%	1.073%
58	15.692	2309	2313	2317	rBV2	353885	521405	13.42%	1.247%
59	17.286	2577	2584	2594	rBV	145960	369483	9.51%	0.884%
60	17.768	2659	2666	2674	rBV2	96545	259870	6.69%	0.622%

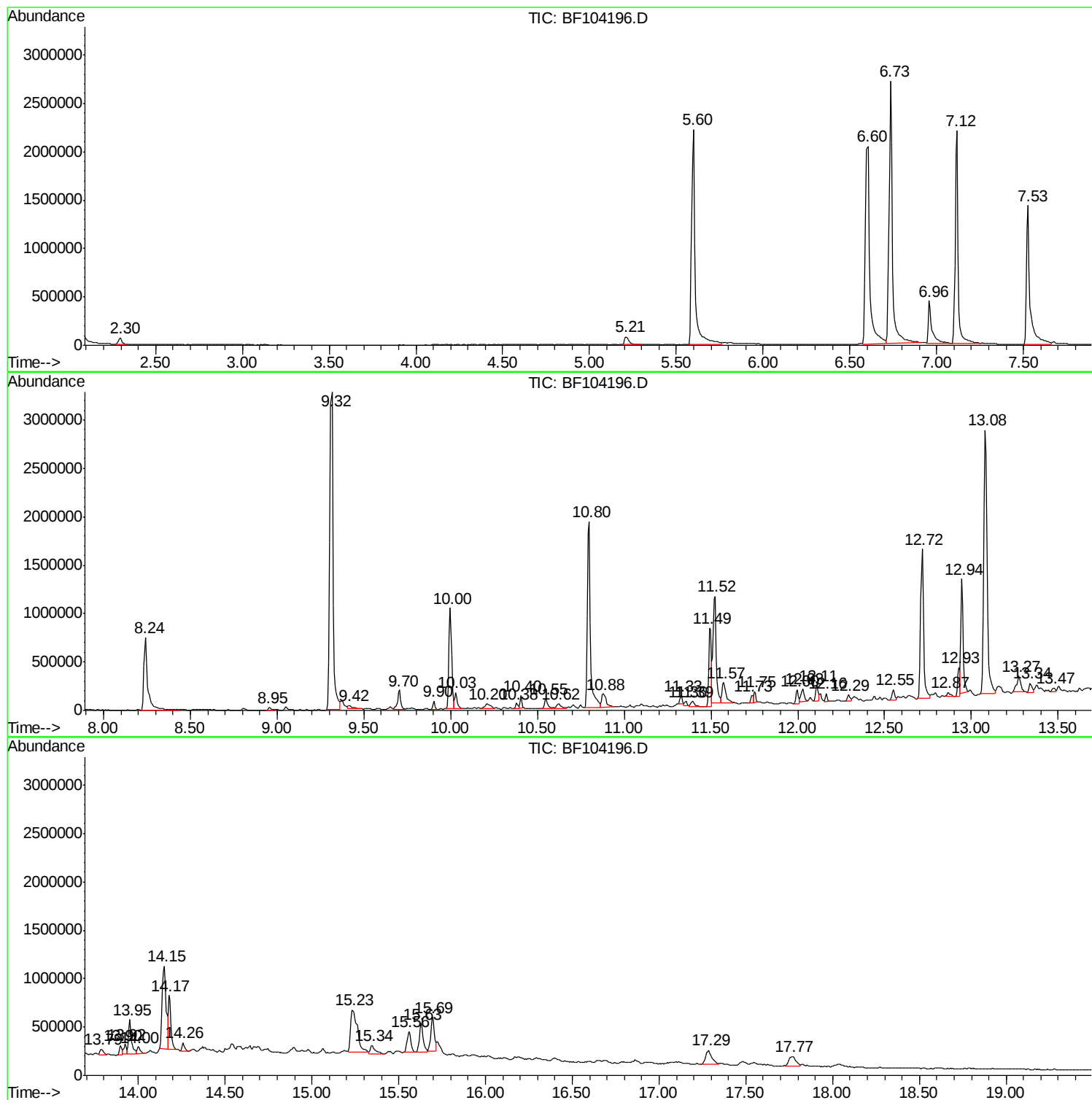
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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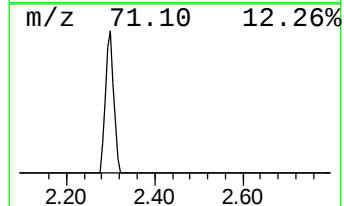
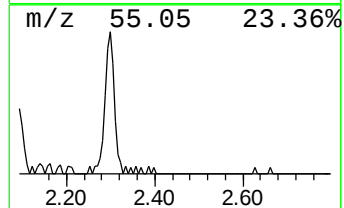
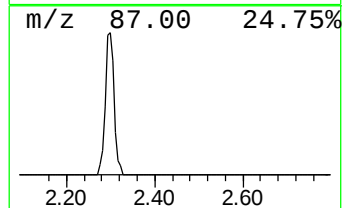
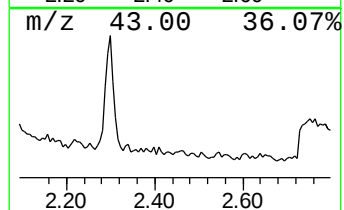
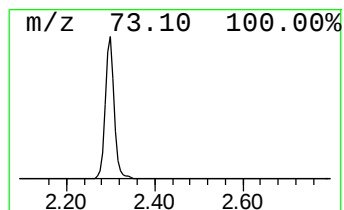
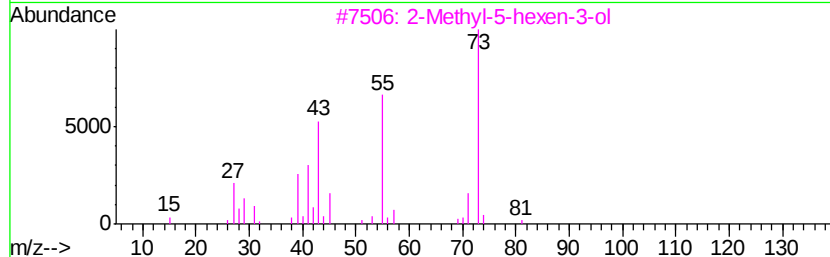
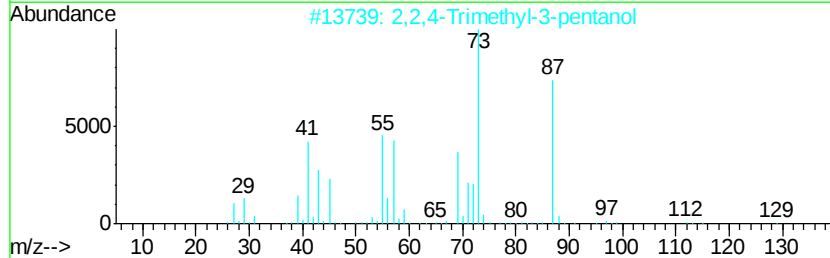
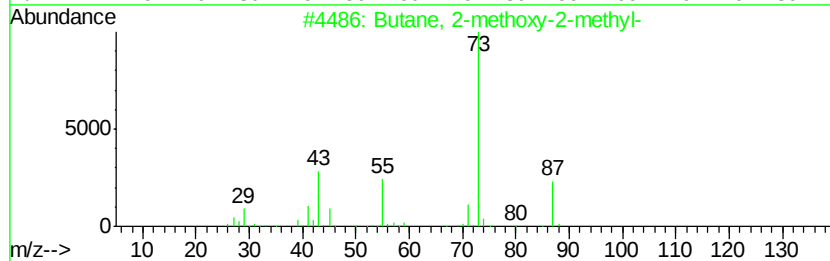
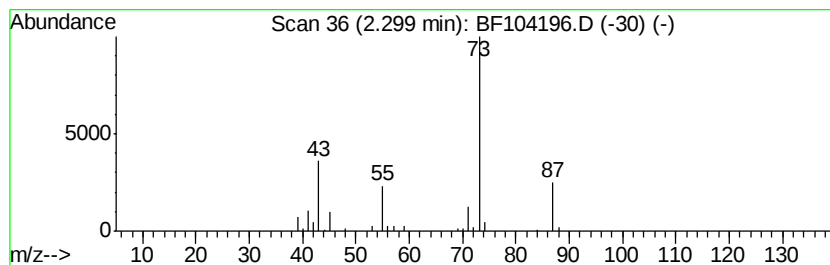
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	2.76 ng	94252	1,4-Dichlorobenzene-d4	6.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	37
4			Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
5			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23



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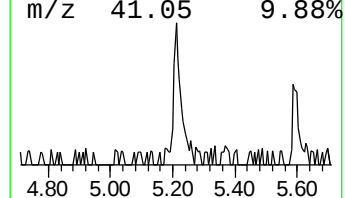
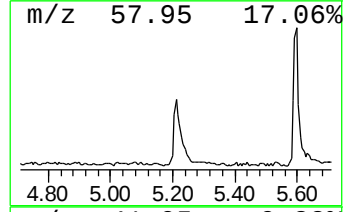
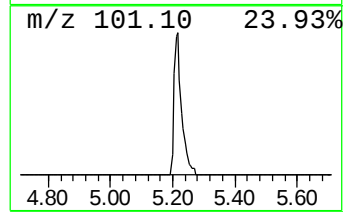
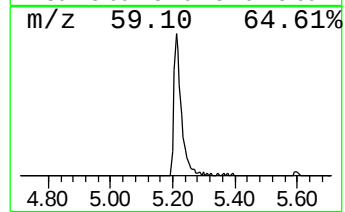
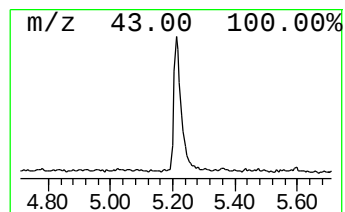
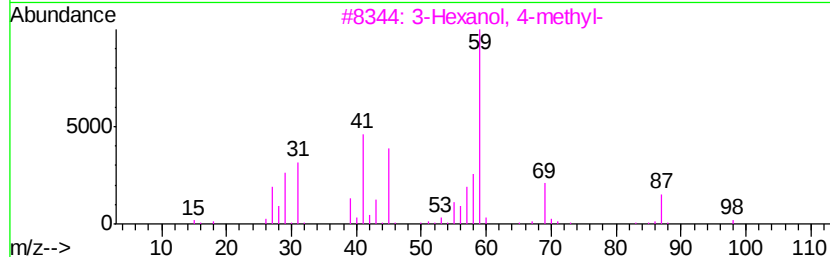
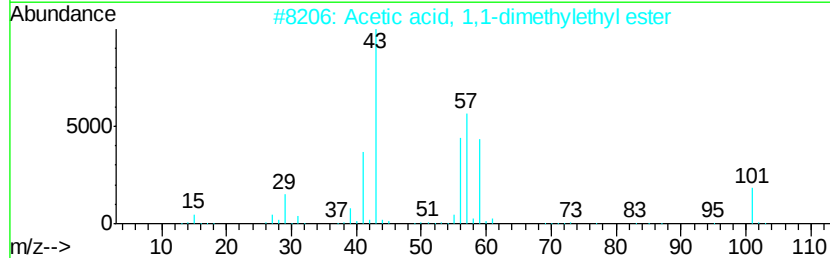
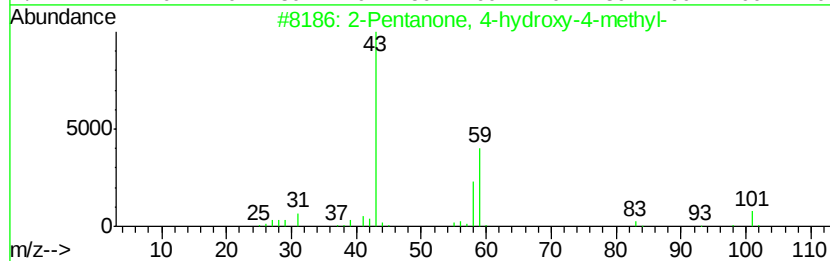
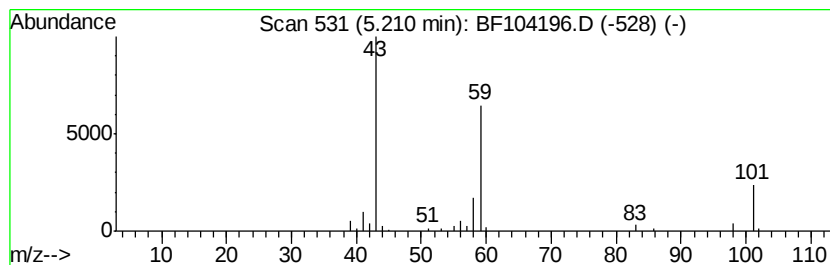
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	4.01 ng	137052	1,4-Dichlorobenzene-d4	6.96

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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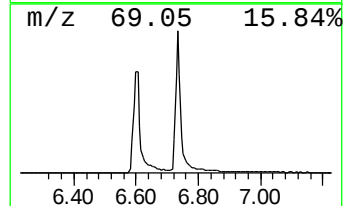
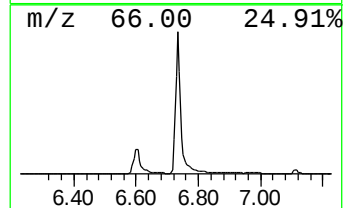
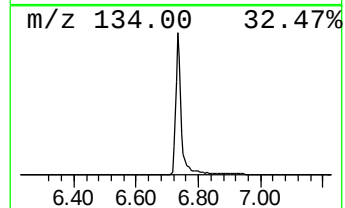
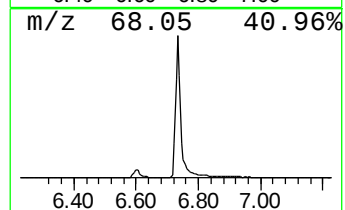
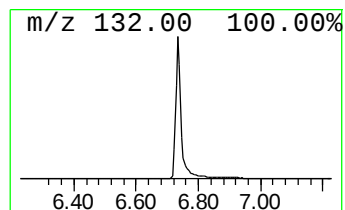
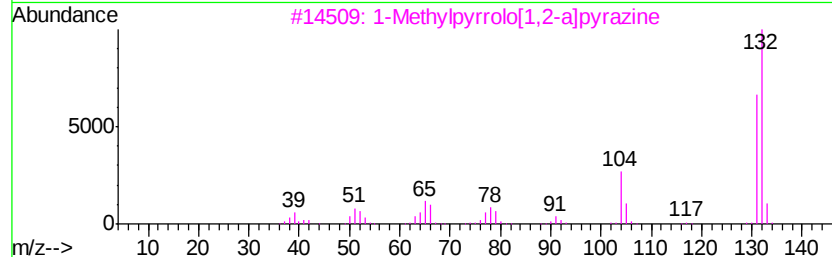
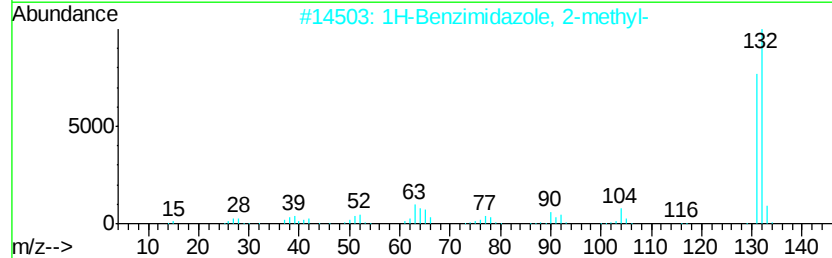
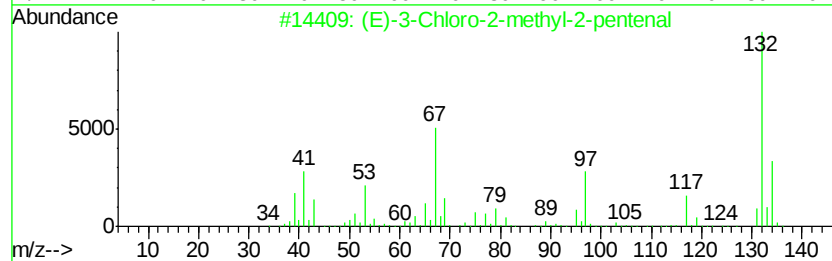
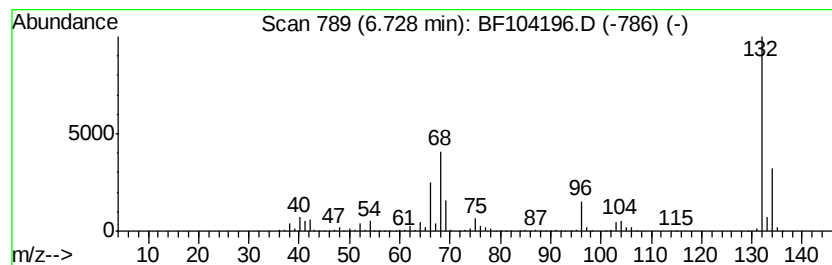
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	101.88 ng	3480710	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
3		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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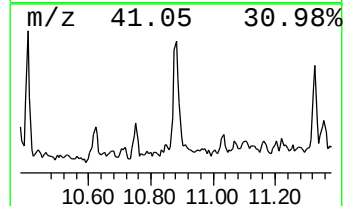
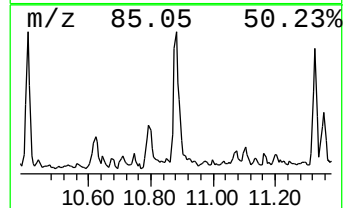
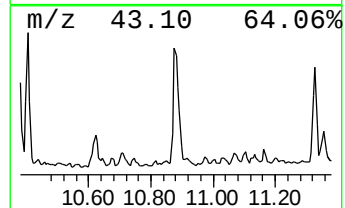
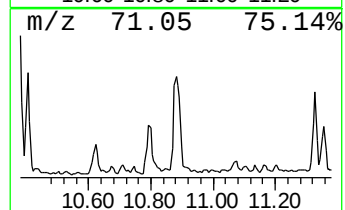
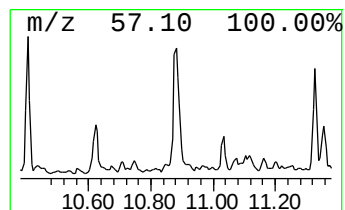
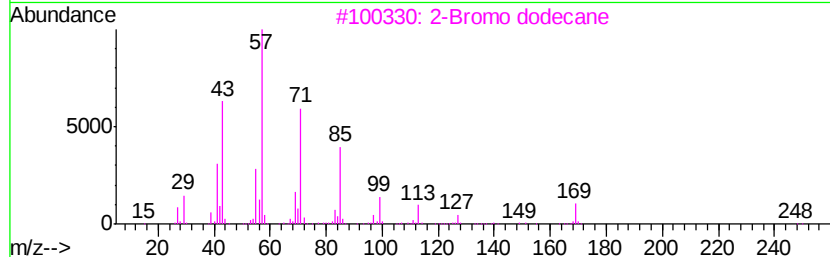
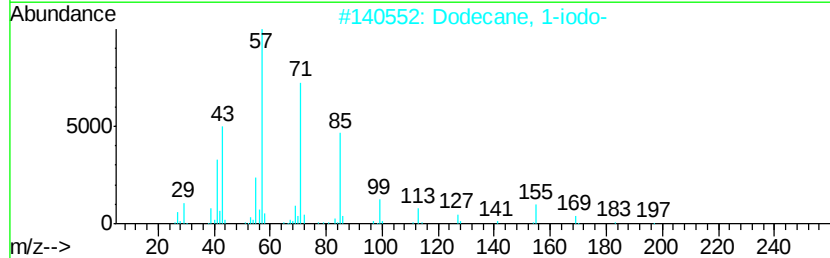
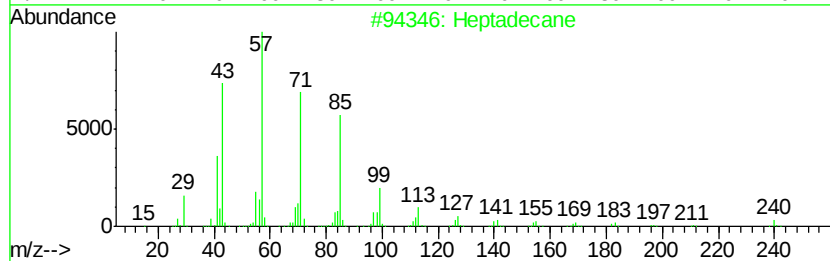
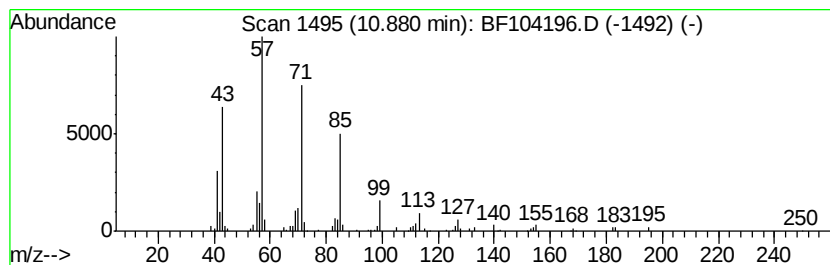
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.88	5.08 ng	221439	Phenanthrene-d10	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
4	Octadecane	254	C18H38	000593-45-3	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80



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6-WM-DIP-6-WW(2.5-5)

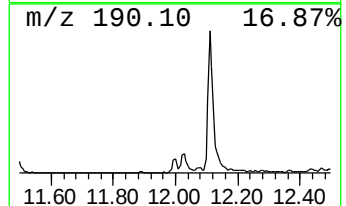
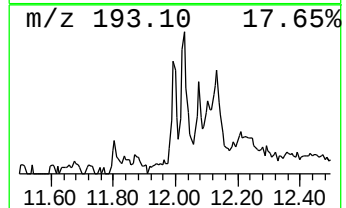
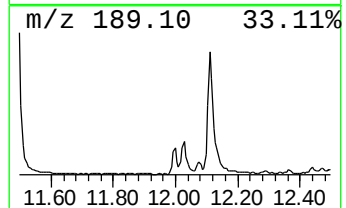
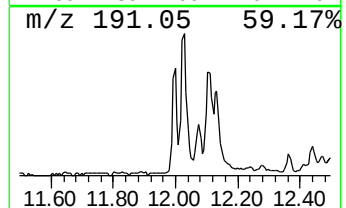
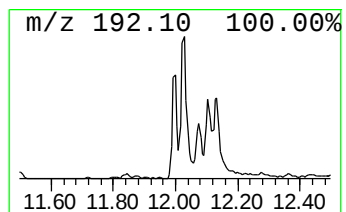
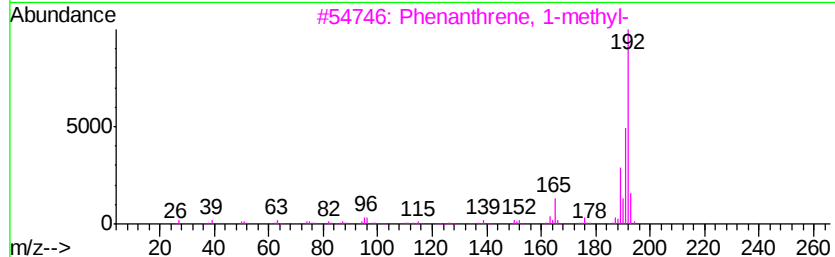
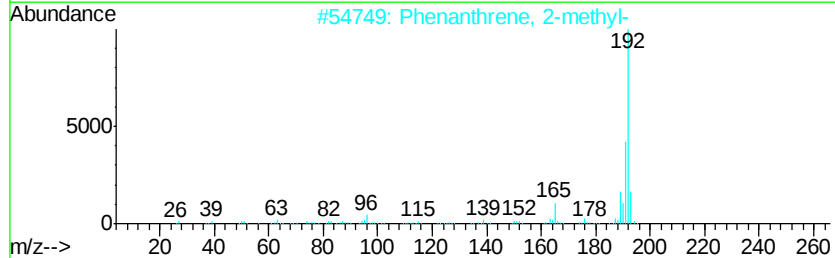
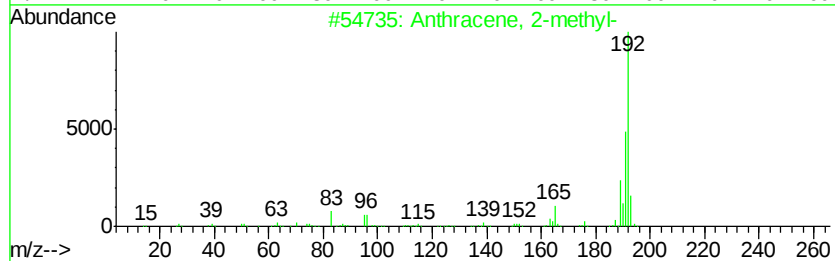
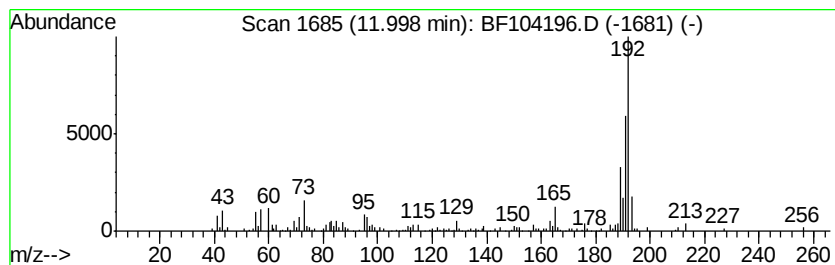
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.50 ng	152486	Phenanthrene-d10	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104196.D
Acq On : 3 Apr 2018 22:49
Operator : JU/SJ
Sample : J2182-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

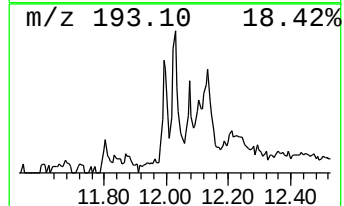
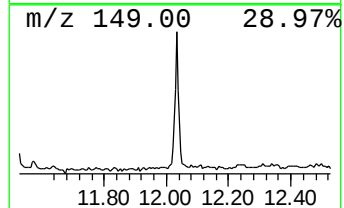
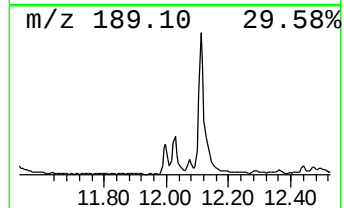
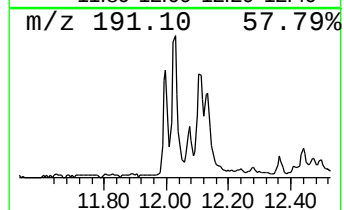
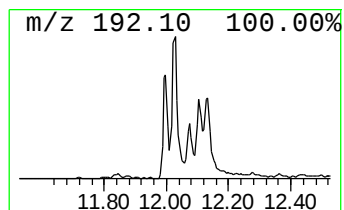
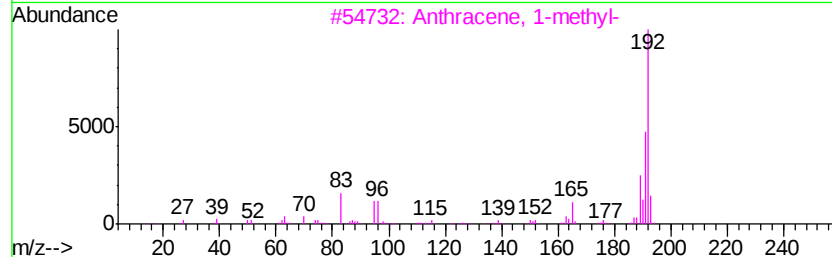
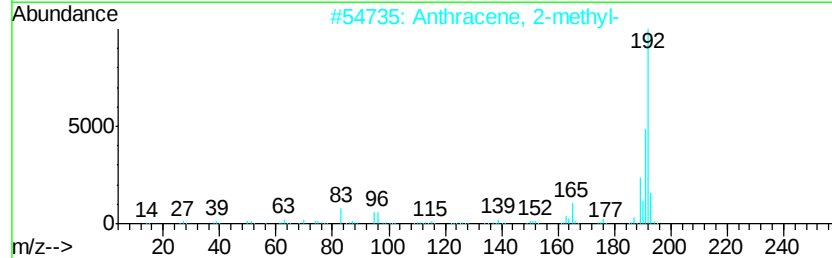
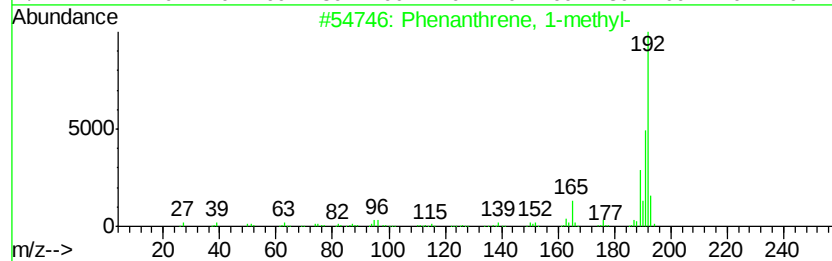
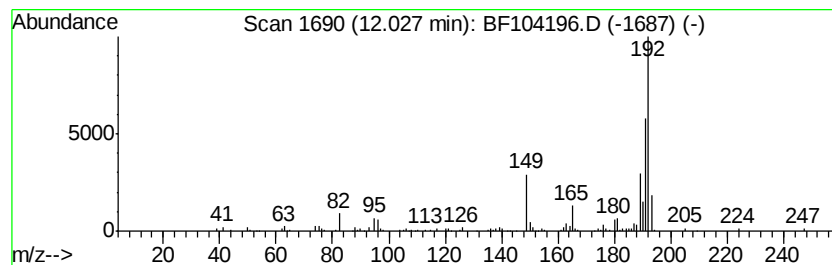
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ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

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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 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.03	3.49 ng	152190	Phenanthrene-d10	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104196.D
Acq On : 3 Apr 2018 22:49
Operator : JU/SJ
Sample : J2182-15
Misc :
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Instrument :
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ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

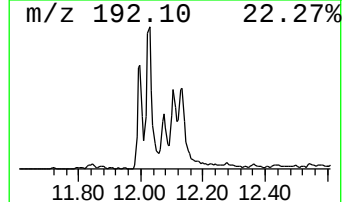
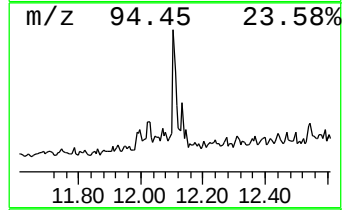
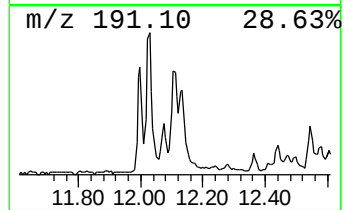
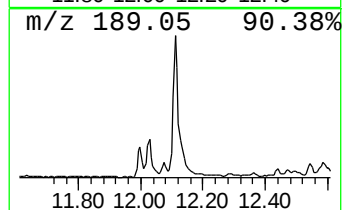
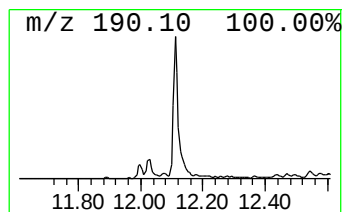
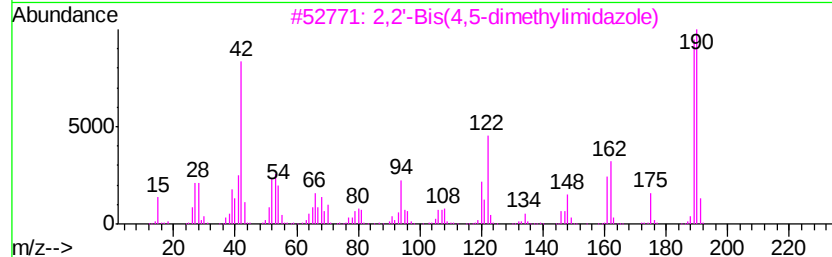
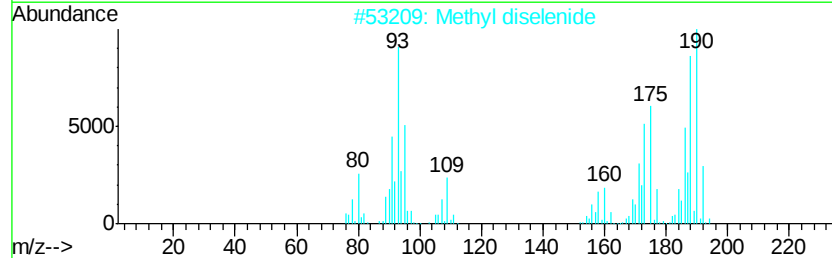
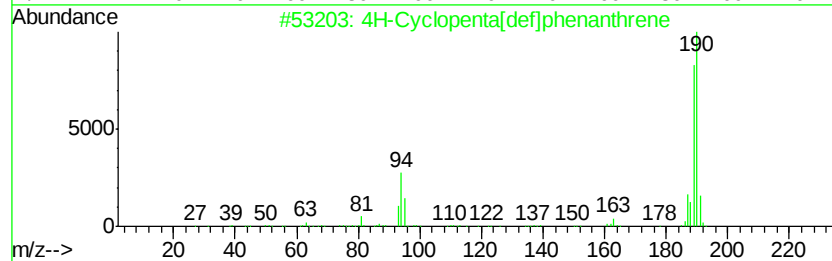
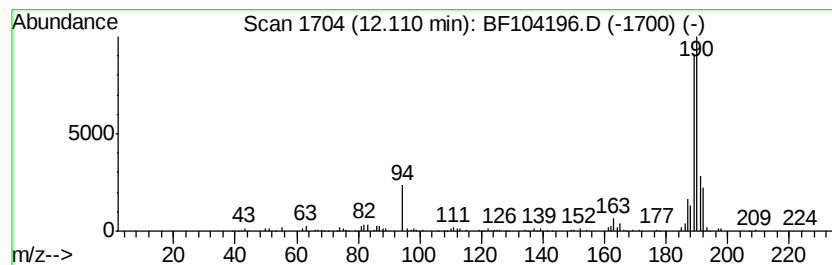
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	4.13 ng	180245	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104196.D
Acq On : 3 Apr 2018 22:49
Operator : JU/SJ
Sample : J2182-15
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Instrument :
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6-WM-DIP-6-WW(2.5-5)

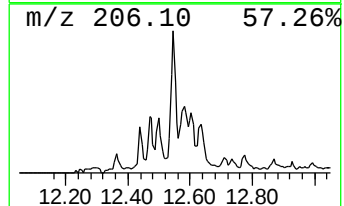
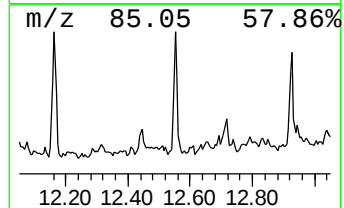
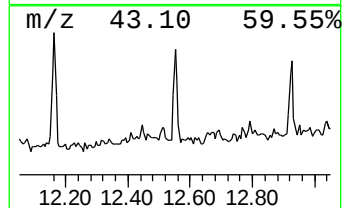
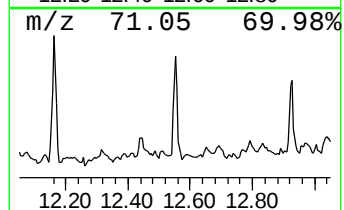
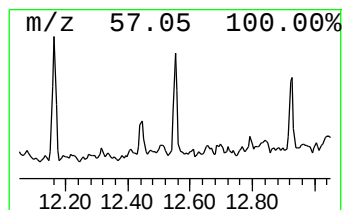
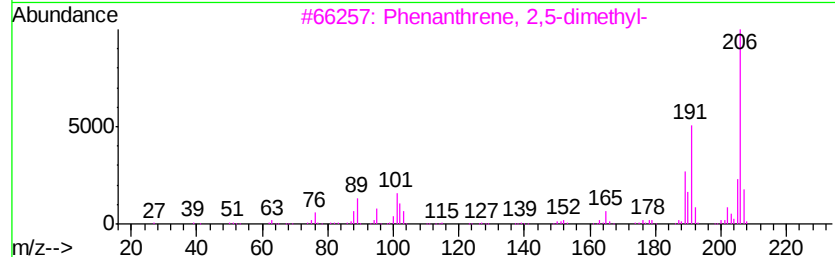
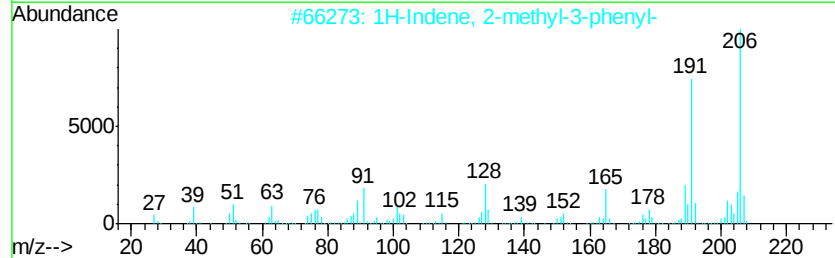
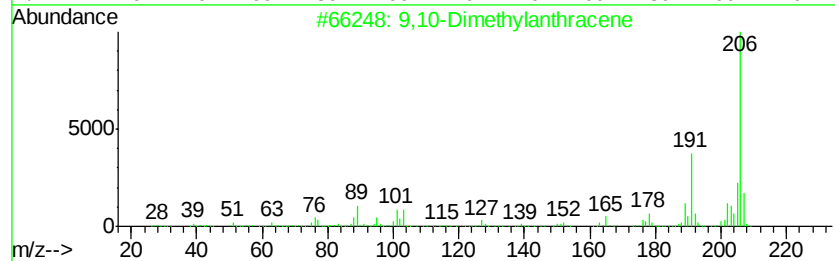
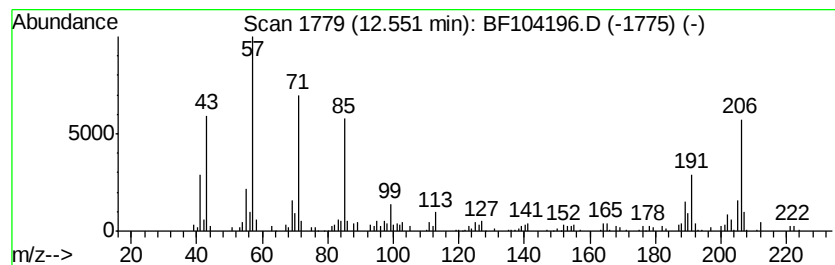
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Dimethylantracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.96 ng	128874	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	50
2		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
5		Pentadecane	212	C15H32	000629-62-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
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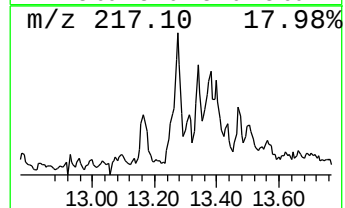
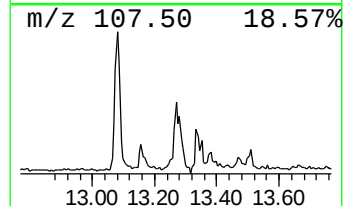
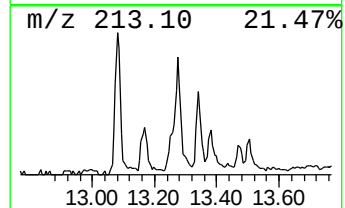
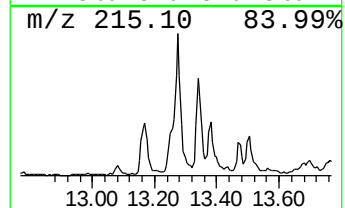
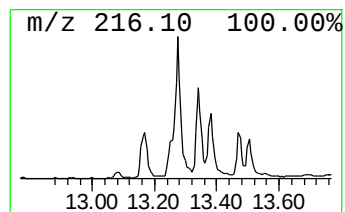
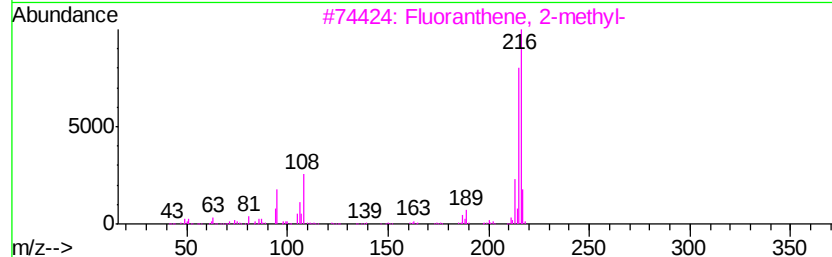
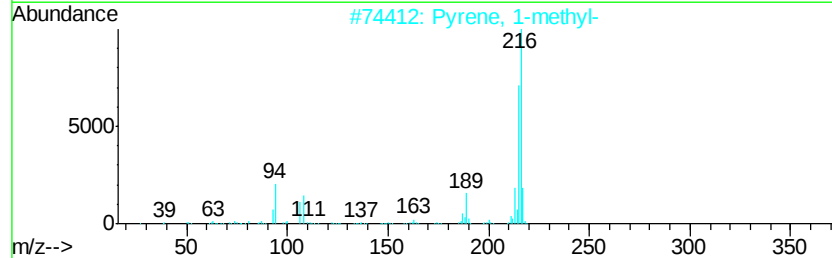
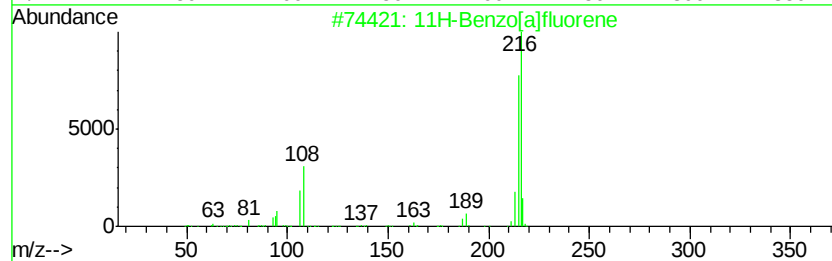
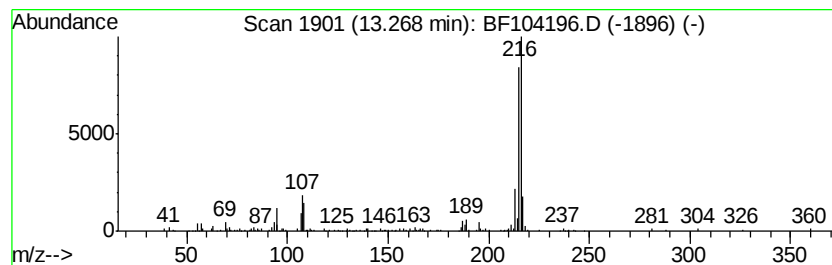
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.58 ng	255097	Chrysene-d12	14.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 91
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
4		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
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Misc :
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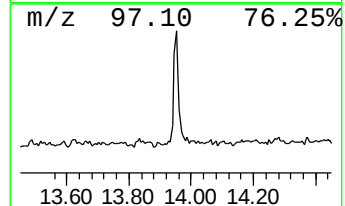
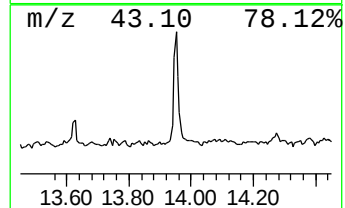
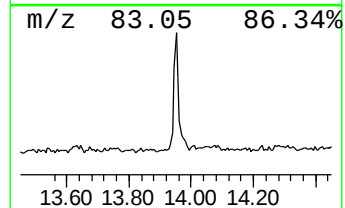
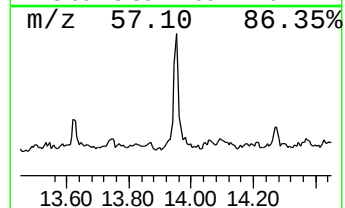
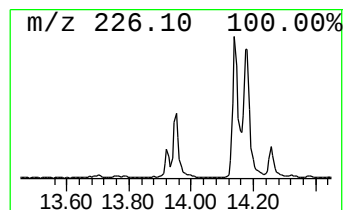
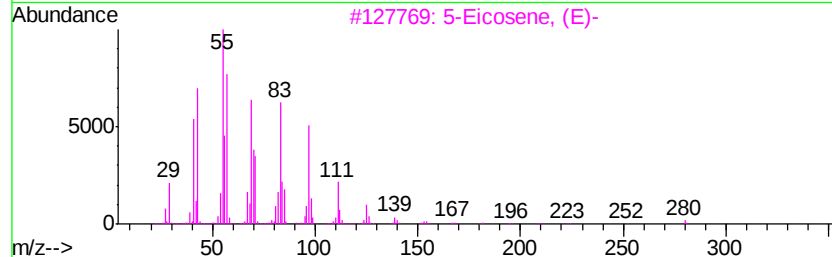
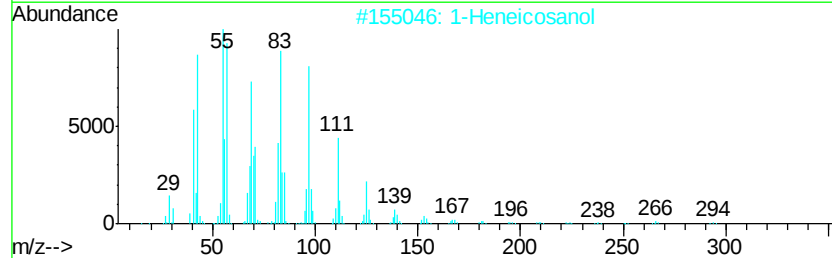
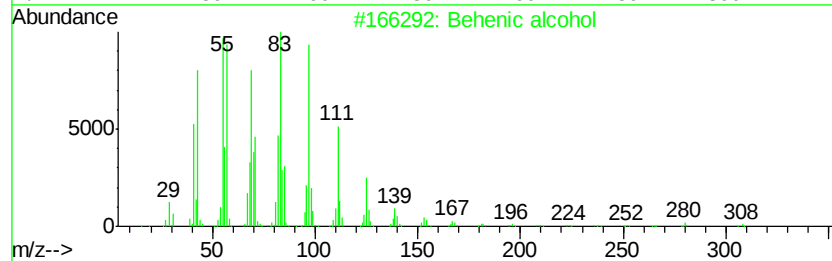
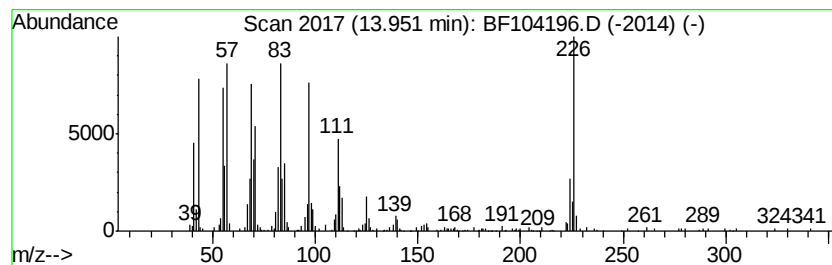
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Behenic alcohol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.95	6.29 ng	448756	Chrysene-d12		14.15
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	92
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	89
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	70
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104196.D
Acq On : 3 Apr 2018 22:49
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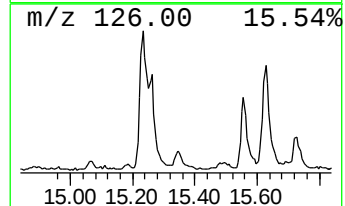
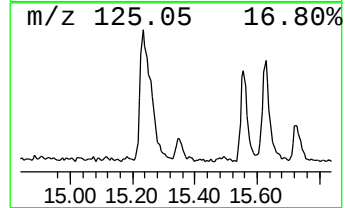
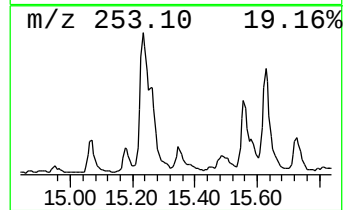
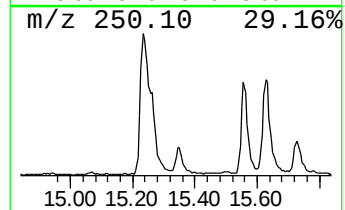
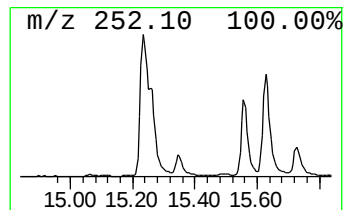
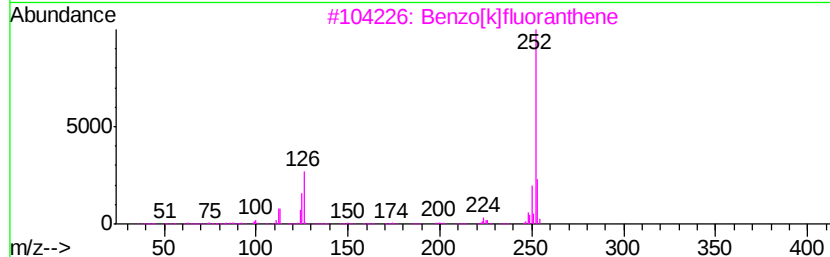
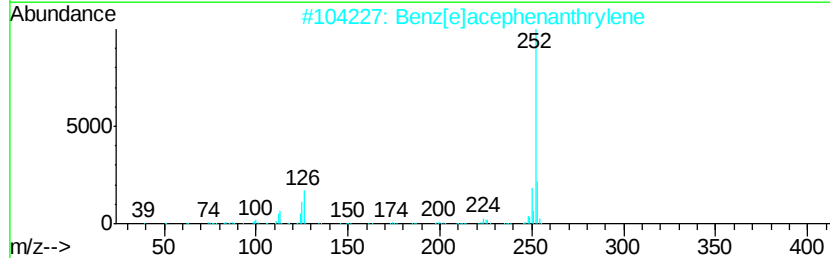
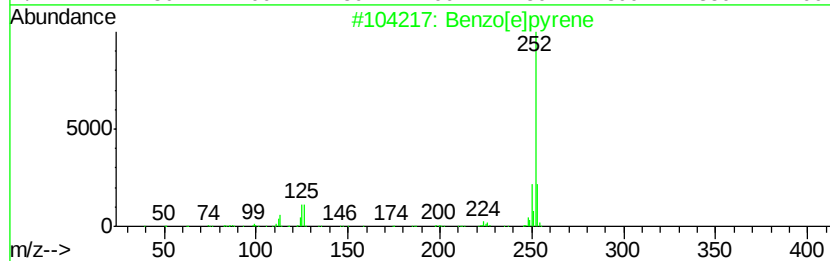
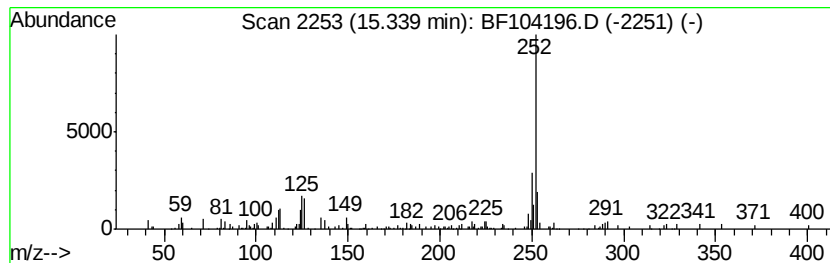
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.67 ng	173829	Perylene-d12	15.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	94
2			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Perylene	252	C20H12	000198-55-0	90
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104196.D
Acq On : 3 Apr 2018 22:49
Operator : JU/SJ
Sample : J2182-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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
Butane, 2-methoxy...	2.30	2.8	ng	94252	1	6.96	683326	20.0
2-Pentanone, 4-hy...	5.21	4.0	ng	137052	1	6.96	683326	20.0
unknown6.73	6.73	101.9	ng	3480710	1	6.96	683326	20.0
Heptadecane	10.88	5.1	ng	221439	4	11.49	872019	20.0
Anthracene, 2-met...	12.00	3.5	ng	152486	4	11.49	872019	20.0
Phenanthrene, 1-m...	12.03	3.5	ng	152190	4	11.49	872019	20.0
4H-Cyclopenta[def...	12.11	4.1	ng	180245	4	11.49	872019	20.0
9,10-Dimethylanth...	12.55	3.0	ng	128874	4	11.49	872019	20.0
11H-Benzo[a]fluorene	13.27	3.6	ng	255097	5	14.15	1425960	20.0
Behenic alcohol	13.95	6.3	ng	448756	5	14.15	1425960	20.0
Benzo[e]pyrene	15.34	6.7	ng	173829	6	15.69	521405	20.0