

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090119\
 Data File : BF116744.D
 Acq On : 1 Sep 2019 15:59
 Operator : HP/JU
 Sample : K4544-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T16-17-B1-B4-(0-2.25)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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	2.205	16	20	33	rVB2	33861	72012	2.78%	0.211%
2	3.905	301	309	314	rBV2	22873	39624	1.53%	0.116%
3	4.493	404	409	415	rBV5	20805	36106	1.39%	0.106%
4	5.463	567	574	577	rBV	2446071	2306589	89.08%	6.759%
5	5.699	607	614	620	rBV4	43538	62434	2.41%	0.183%
6	6.475	740	746	751	rBV	2440479	2589246	100.00%	7.587%
7	6.616	766	770	773	rBV	2797632	2458321	94.94%	7.204%
8	6.675	775	780	781	rBV2	50316	48886	1.89%	0.143%
9	6.693	781	783	785	rVB	48905	36619	1.41%	0.107%
10	6.845	806	809	812	rBV	925517	719570	27.79%	2.109%
11	6.904	816	819	825	rBV3	57304	63489	2.45%	0.186%
12	7.004	832	836	839	rBV	2318450	1824768	70.47%	5.347%
13	7.169	860	864	866	rBV3	35661	40213	1.55%	0.118%
14	7.245	874	877	880	rBV	42694	41134	1.59%	0.121%
15	7.404	896	904	907	rBV	1797475	1548494	59.80%	4.538%
16	7.451	909	912	915	rVB	80814	69903	2.70%	0.205%
17	8.128	1022	1027	1029	rBV	1193553	1014628	39.19%	2.973%
18	8.145	1029	1030	1036	rVB	312423	228756	8.83%	0.670%
19	8.557	1097	1100	1105	rVB	52160	45318	1.75%	0.133%
20	8.722	1123	1128	1131	rBV	95545	84980	3.28%	0.249%
21	8.839	1145	1148	1151	rVB	243772	186842	7.22%	0.548%
22	8.881	1152	1155	1161	rBV3	59204	74652	2.88%	0.219%
23	8.939	1161	1165	1168	rVV	150703	122678	4.74%	0.359%
24	9.204	1205	1210	1213	rBV	2704252	2573358	99.39%	7.541%
25	9.287	1221	1224	1231	rVB2	117917	154923	5.98%	0.454%
26	9.398	1241	1243	1247	rVB	46495	51145	1.98%	0.150%
27	9.463	1250	1254	1258	rVB2	65110	94122	3.64%	0.276%
28	9.539	1264	1267	1269	rBV	105867	90996	3.51%	0.267%
29	9.563	1269	1271	1273	rVV	87503	67004	2.59%	0.196%
30	9.592	1273	1276	1281	rVV	389267	339004	13.09%	0.993%
31	9.657	1284	1287	1292	rBV	50251	65196	2.52%	0.191%
32	9.739	1298	1301	1306	rVB	91302	73400	2.83%	0.215%
33	9.816	1312	1314	1316	rVB	87967	55781	2.15%	0.163%
34	9.881	1319	1325	1328	rBV	1244719	1117365	43.15%	3.274%

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Integrator: RTE
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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	9.910	1328	1330	1334	rVB	360235	281286	10.86%	0.824%
36	10.081	1356	1359	1362	rVB	223523	190328	7.35%	0.558%
37	10.122	1362	1366	1368	rBV	40577	40456	1.56%	0.119%
38	10.198	1373	1379	1381	rBV3	41117	54300	2.10%	0.159%
39	10.286	1391	1394	1396	rBV2	54428	61875	2.39%	0.181%
40	10.316	1396	1399	1401	rVB2	73528	67370	2.60%	0.197%
41	10.422	1414	1417	1421	rBV2	263772	258192	9.97%	0.757%
42	10.510	1430	1432	1434	rBV	53843	41448	1.60%	0.121%
43	10.533	1434	1436	1439	rVV	61405	51827	2.00%	0.152%
44	10.581	1442	1444	1448	rVB	76750	65839	2.54%	0.193%
45	10.663	1454	1458	1462	rBV	1480330	1284887	49.62%	3.765%
46	10.786	1476	1479	1485	rBV3	127095	181597	7.01%	0.532%
47	11.163	1541	1543	1547	rVB	111242	94504	3.65%	0.277%
48	11.257	1557	1559	1563	rVB	135258	125179	4.83%	0.367%
49	11.363	1573	1577	1579	rBV	961250	986586	38.10%	2.891%
50	11.386	1579	1581	1584	rVV	1893259	1443739	55.76%	4.231%
51	11.433	1586	1589	1592	rVB	419753	372015	14.37%	1.090%
52	11.469	1592	1595	1599	rBV3	82585	106727	4.12%	0.313%
53	11.586	1612	1615	1618	rBV	173641	138492	5.35%	0.406%
54	11.657	1625	1627	1630	rVB	101431	83823	3.24%	0.246%
55	11.863	1659	1662	1664	rBV	217955	191937	7.41%	0.562%
56	11.892	1664	1667	1670	rVV	598490	523396	20.21%	1.534%
57	11.975	1678	1681	1683	rBV2	301987	310854	12.01%	0.911%
58	12.157	1710	1712	1714	rBV	164166	147825	5.71%	0.433%
59	12.410	1753	1755	1758	rVB	149316	128789	4.97%	0.377%
60	12.575	1779	1783	1786	rBV	2202099	1976194	76.32%	5.791%
61	12.804	1816	1822	1825	rBV	1918158	2105213	81.31%	6.169%
62	12.945	1843	1846	1852	rVB	1926244	1777676	68.66%	5.209%
63	13.992	2020	2024	2027	rBV2	1200531	1693565	65.41%	4.963%
64	14.021	2027	2029	2035	rVB	873204	941706	36.37%	2.760%

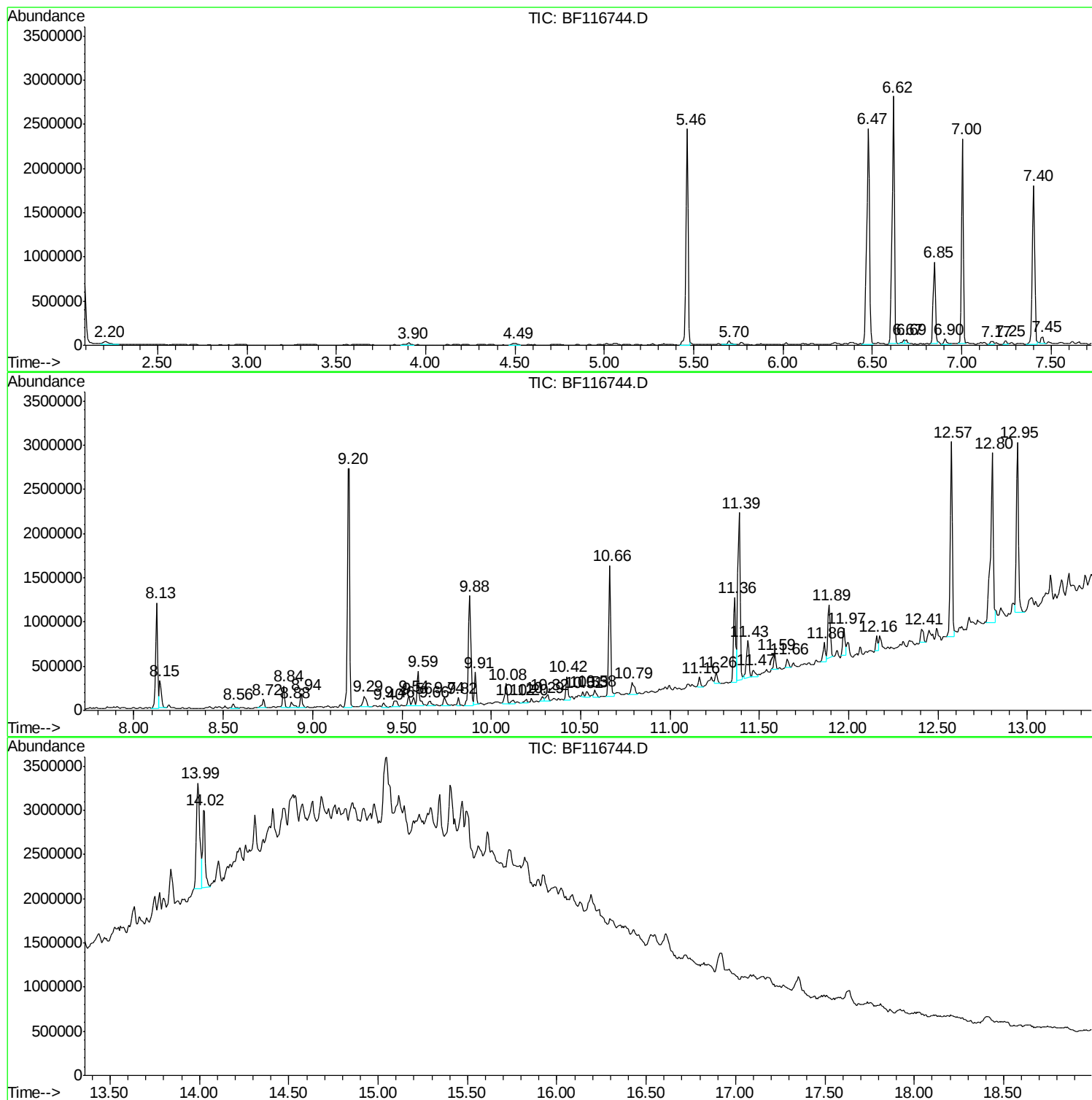
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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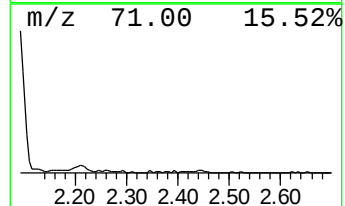
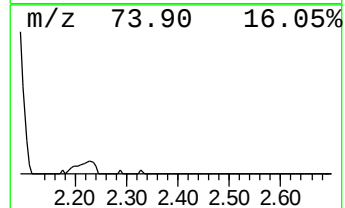
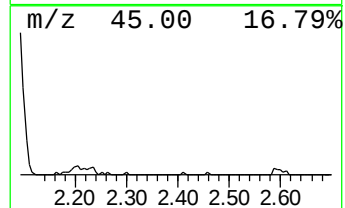
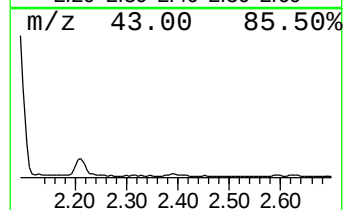
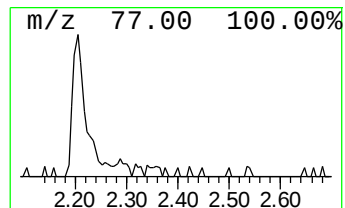
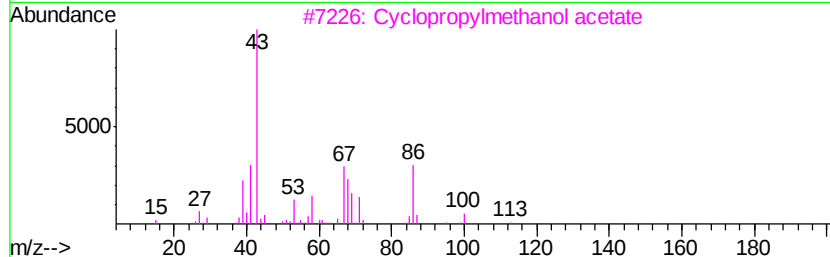
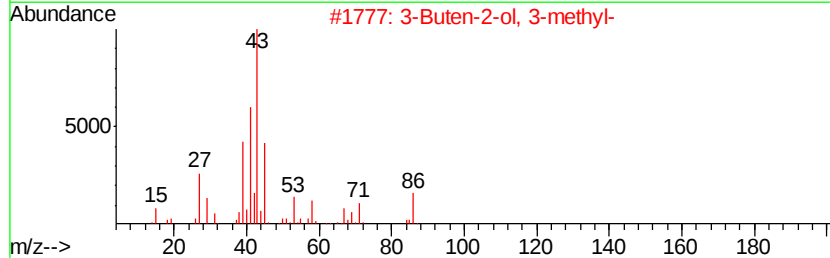
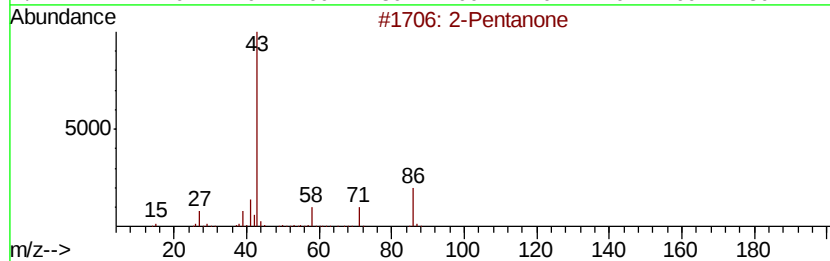
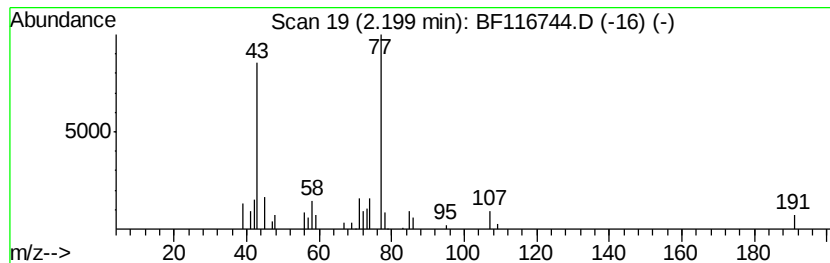
Instrument :
BNA_F
ClientSampleId :
T16-17-B1-B4-(0-2.25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown2.20 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
2.20	2.00 ng	72012	1,4-Dichlorobenzene-d4	6.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	25
2	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	16
3	Cyclopropylmethanol acetate	114	C6H10O2	036982-54-4	12
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
5	Propane, 2-(ethenyl-oxo)-	86	C5H10O	000926-65-8	9



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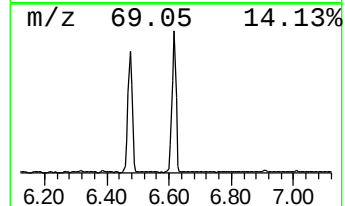
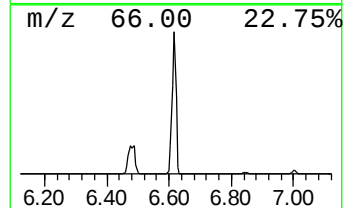
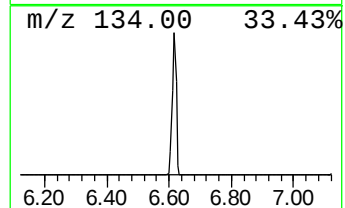
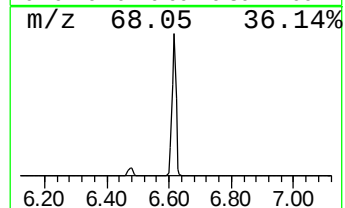
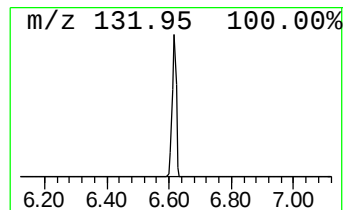
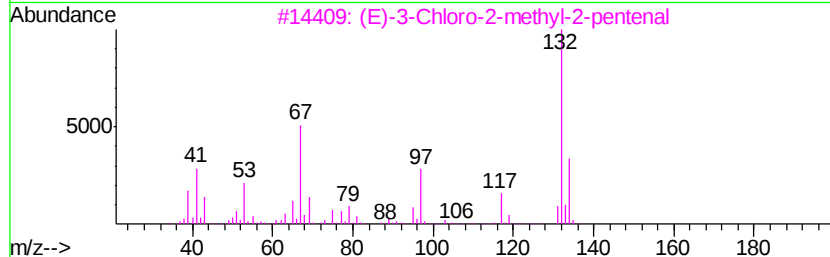
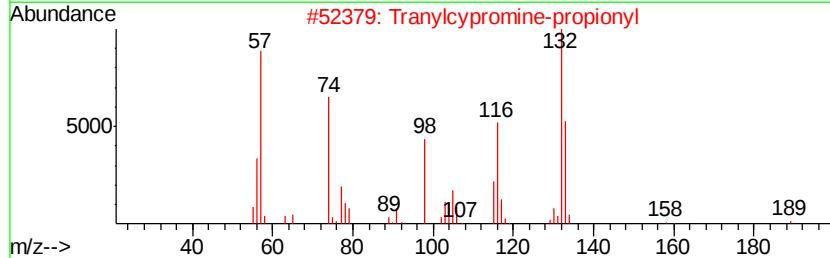
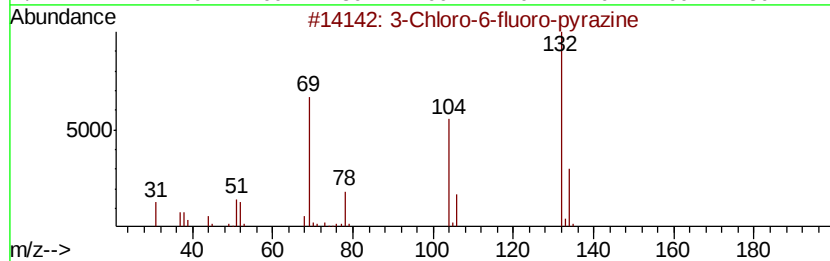
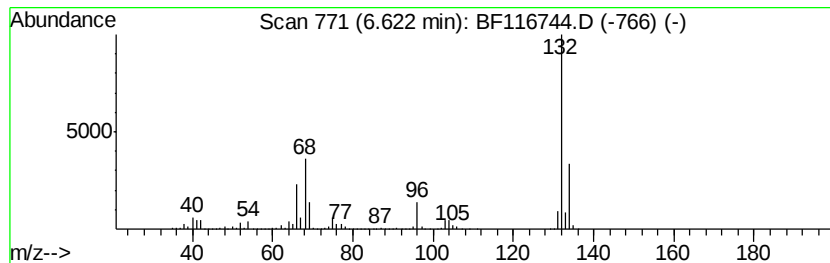
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	68.33 ng	2458320	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranvlcypropromine-propionyl	189	C12H15NO	1000123-86-3	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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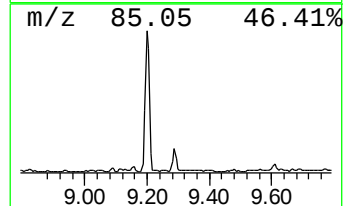
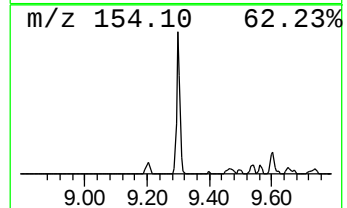
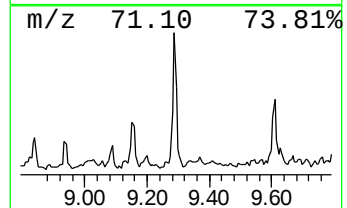
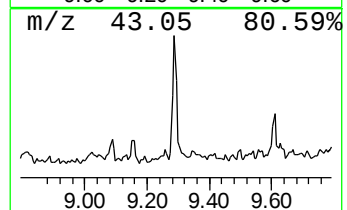
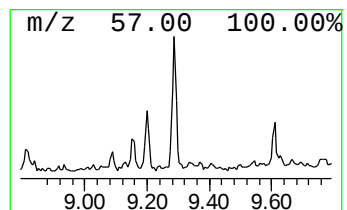
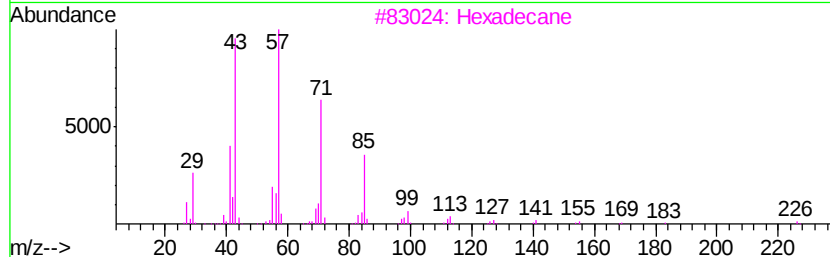
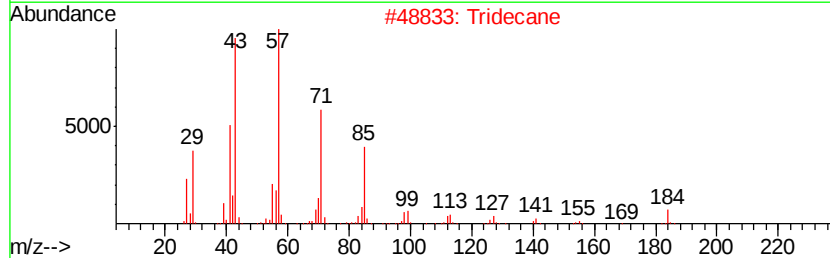
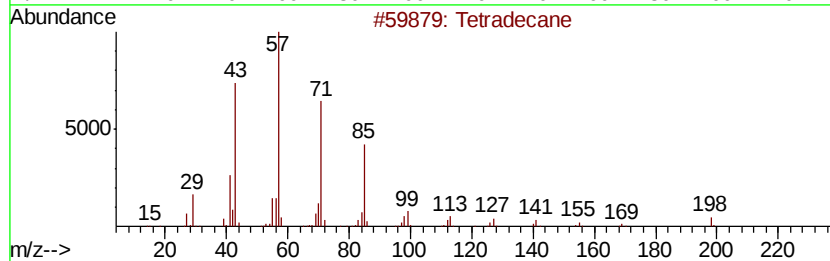
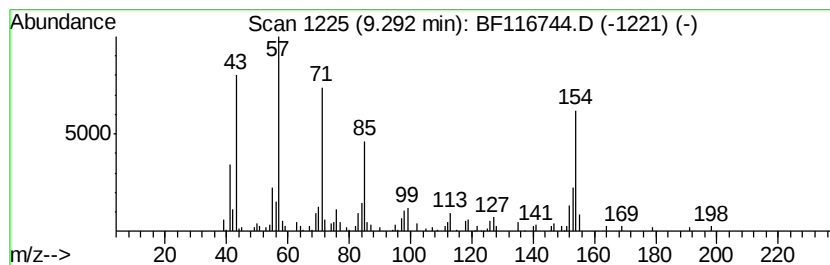
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	2.77 ng	154923	Acenaphthene-d10	9.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	94
2		Tridecane	184	C13H28	000629-50-5	90
3		Hexadecane	226	C16H34	000544-76-3	86
4		Dodecane	170	C12H26	000112-40-3	83
5		Nonadecane	268	C19H40	000629-92-5	80



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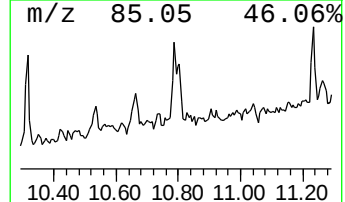
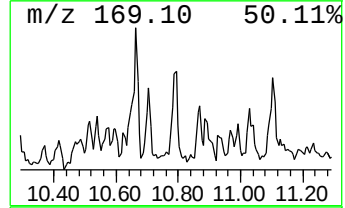
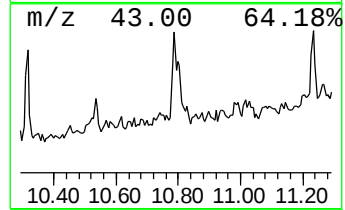
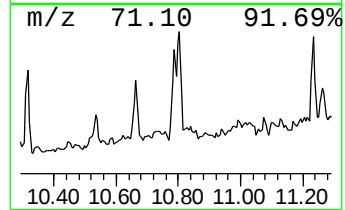
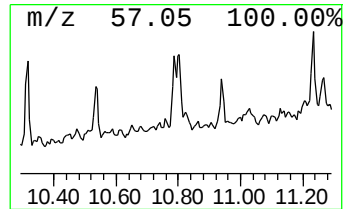
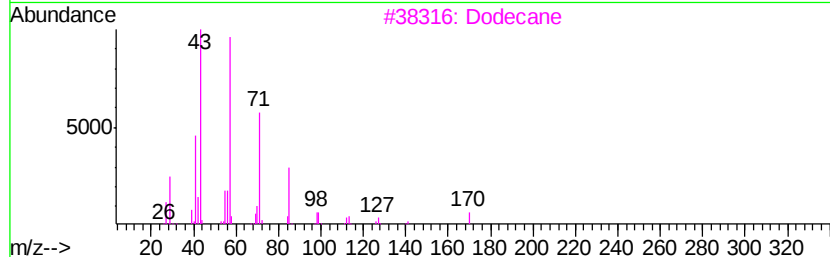
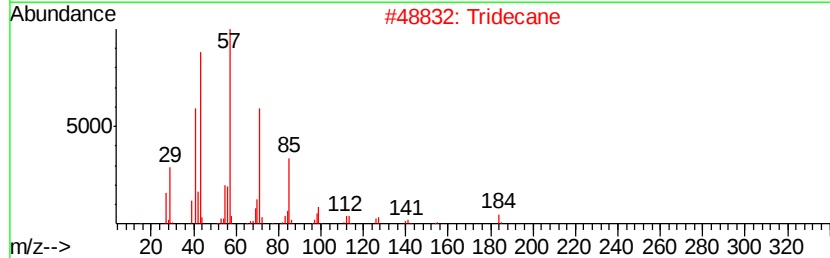
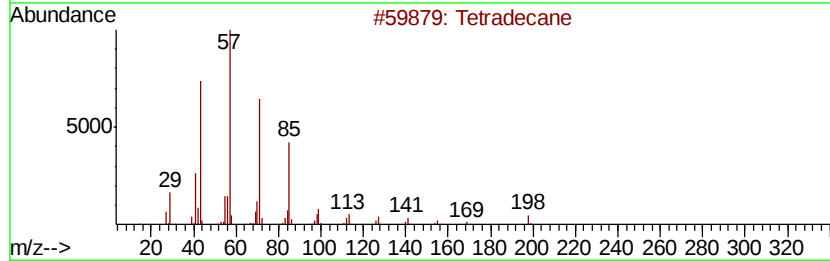
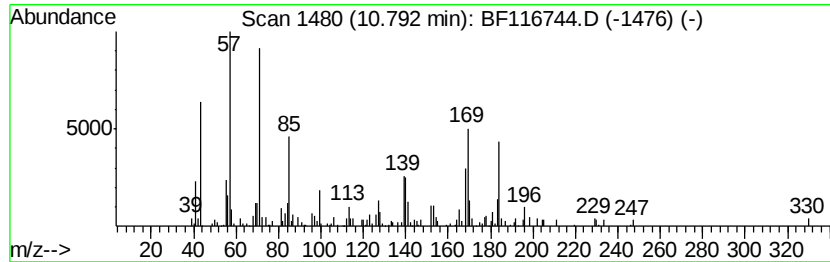
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 unknown10.79 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	3.68 ng	181597	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	64
2		Tridecane	184	C13H28	000629-50-5	49
3		Dodecane	170	C12H26	000112-40-3	45
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43
5		5-Ethyldecane	170	C12H26	017302-36-2	43



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Misc :
ALS Vial : 7 Sample Multiplier: 1

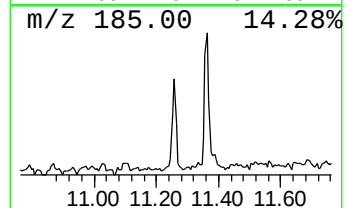
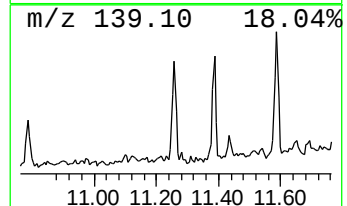
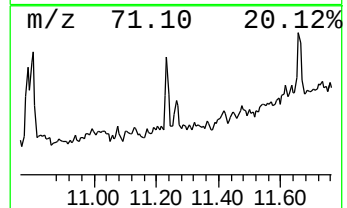
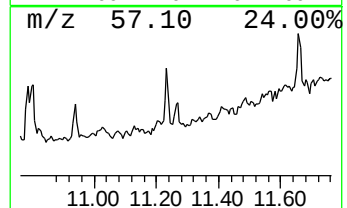
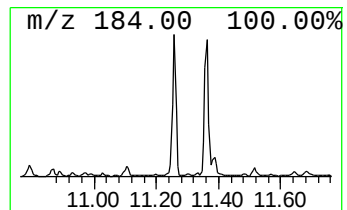
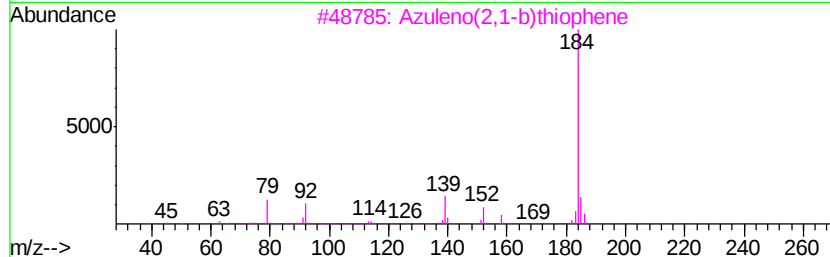
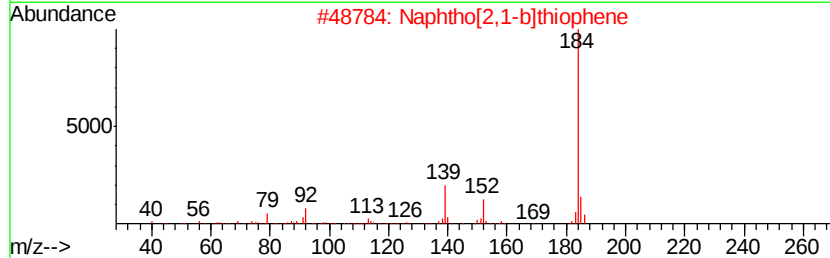
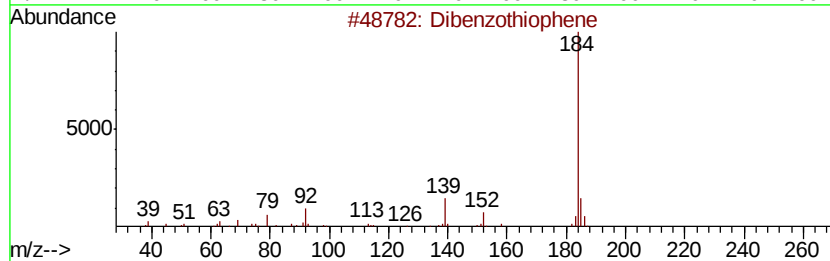
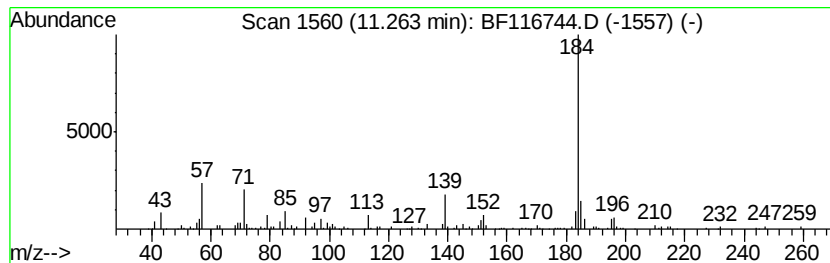
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ClientSampleId :
T16-17-B1-B4-(0-2.25)

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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 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.26	2.54 ng	125179	Phenanthrene-d10	11.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116744.D
Acq On : 1 Sep 2019 15:59
Operator : HP/JU
Sample : K4544-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

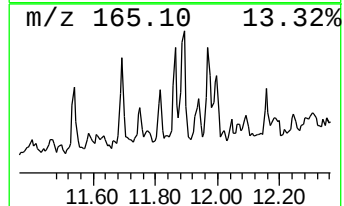
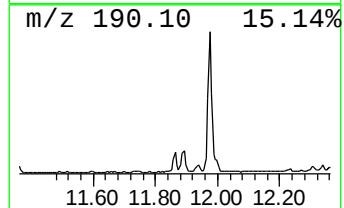
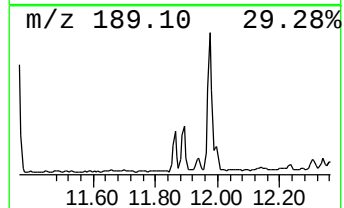
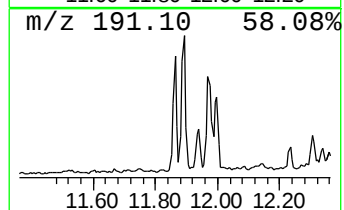
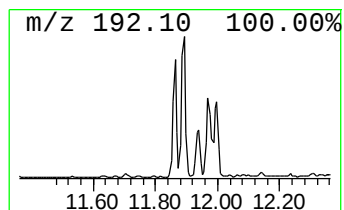
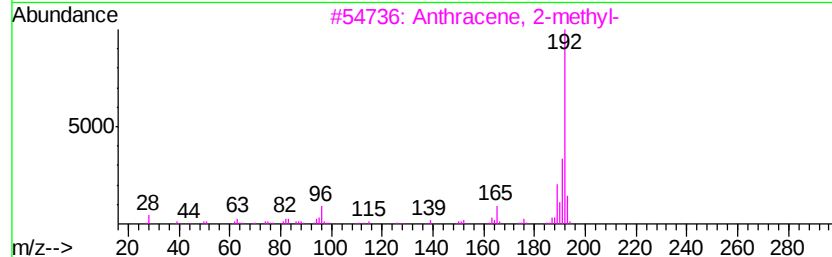
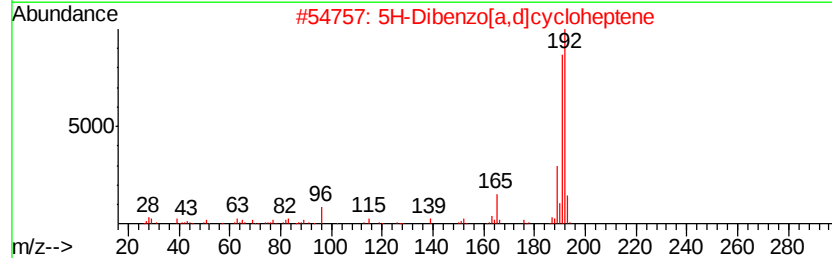
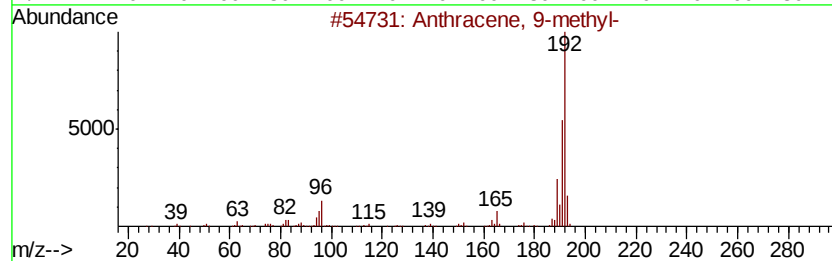
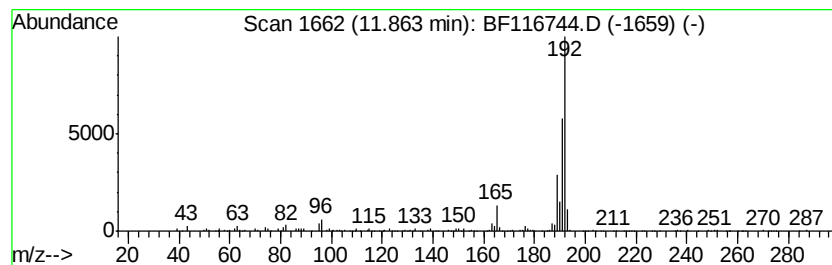
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ClientSampleId :
T16-17-B1-B4-(0-2.25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	3.89 ng	191937	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116744.D
Acq On : 1 Sep 2019 15:59
Operator : HP/JU
Sample : K4544-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

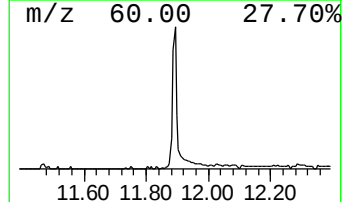
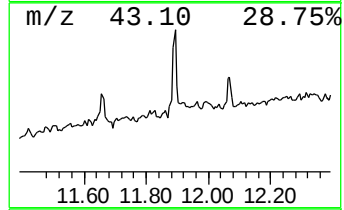
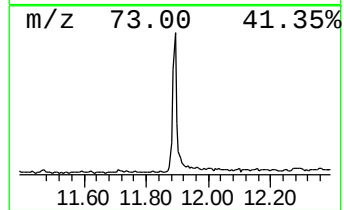
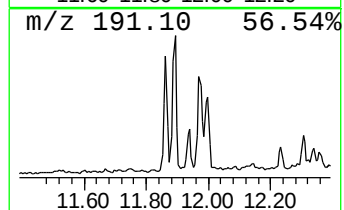
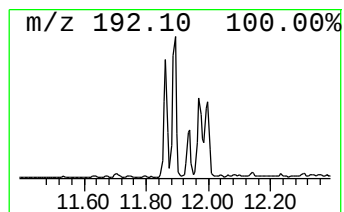
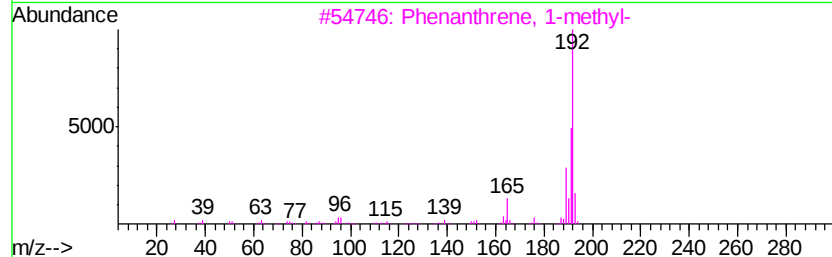
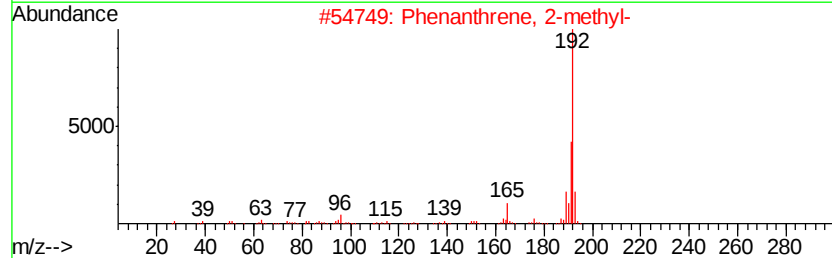
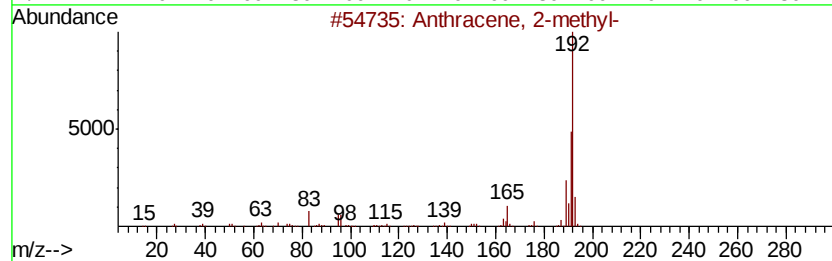
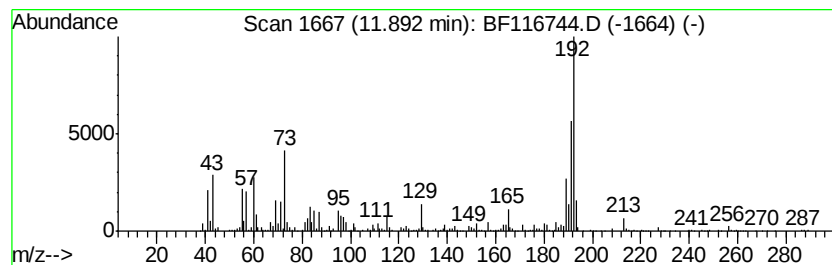
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ClientSampleId :
T16-17-B1-B4-(0-2.25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.89	10.61 ng	523396	Phenanthrene-d10	11.36		
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		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116744.D
Acq On : 1 Sep 2019 15:59
Operator : HP/JU
Sample : K4544-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

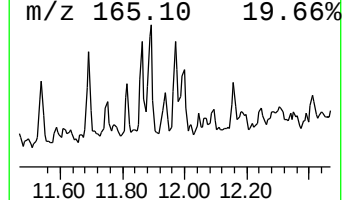
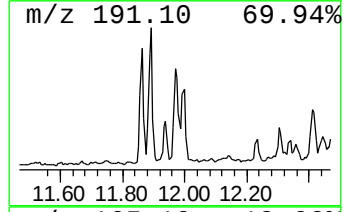
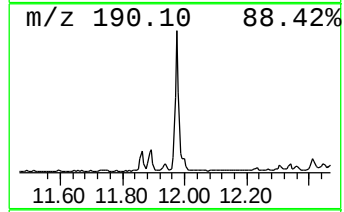
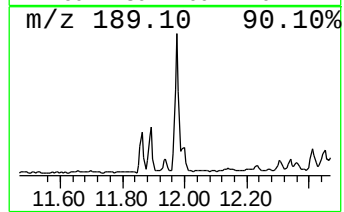
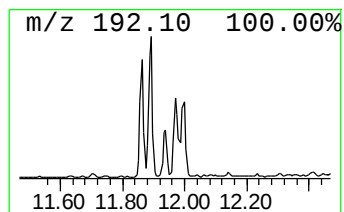
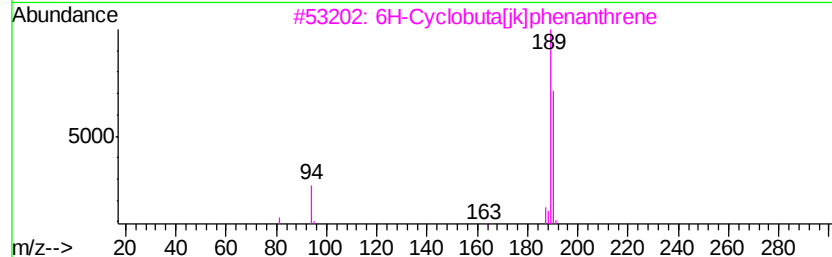
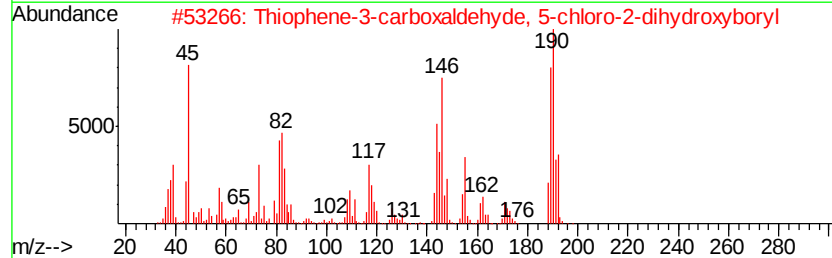
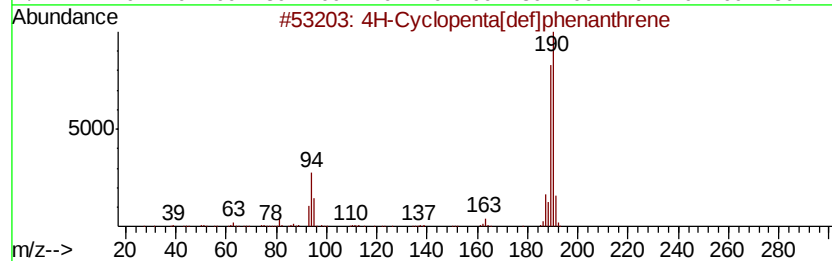
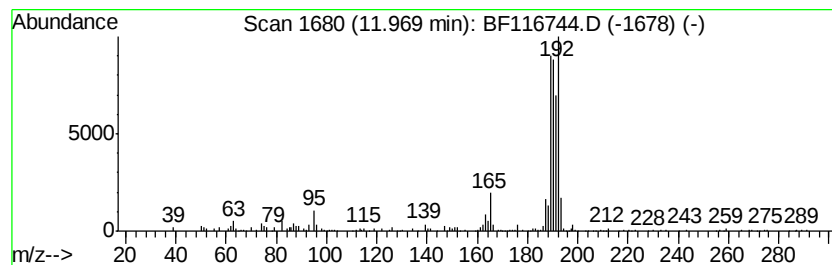
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	6.30 ng	310854	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116744.D
Acq On : 1 Sep 2019 15:59
Operator : HP/JU
Sample : K4544-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

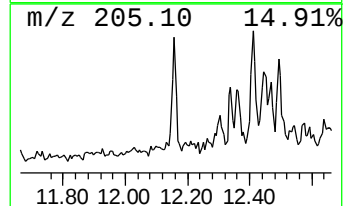
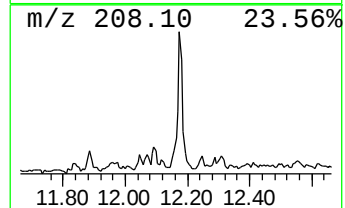
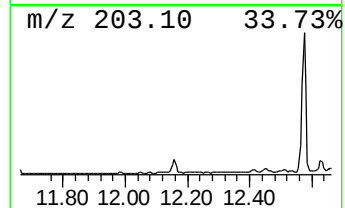
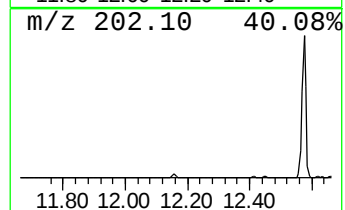
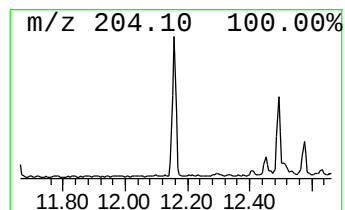
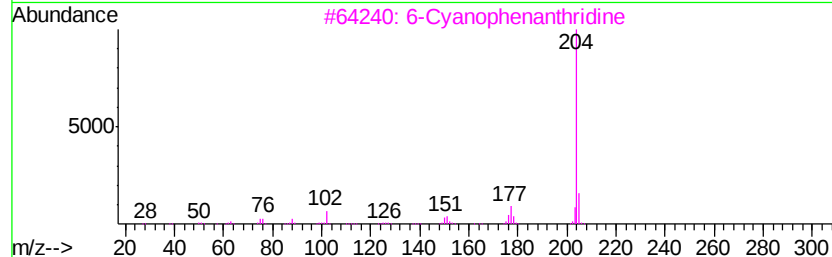
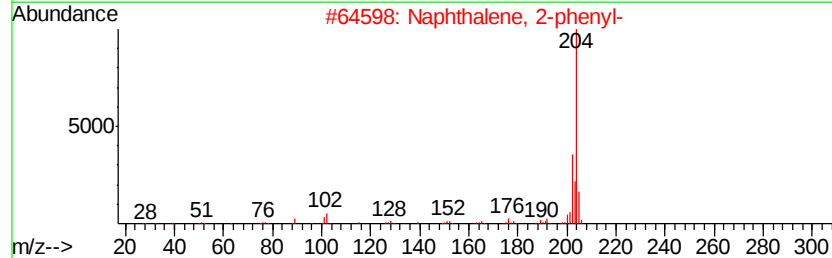
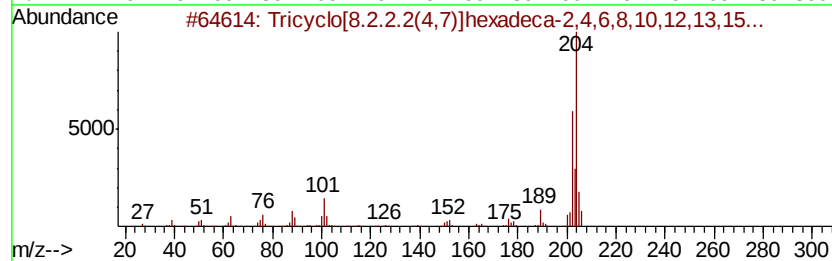
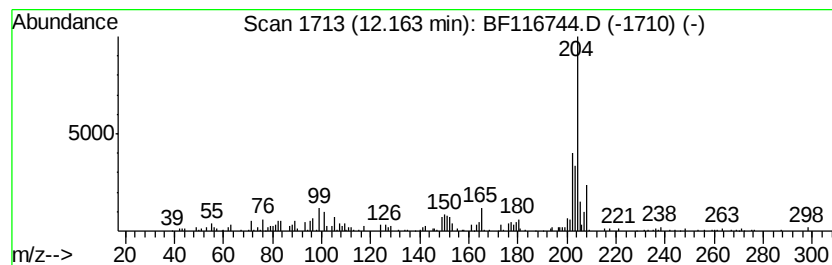
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ClientSampleId :
T16-17-B1-B4-(0-2.25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.16	3.00 ng	147825	Phenanthrene-d10	11.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116744.D
Acq On : 1 Sep 2019 15:59
Operator : HP/JU
Sample : K4544-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
T16-17-B1-B4-(0-2.25)

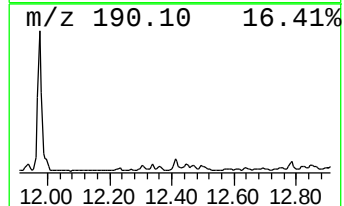
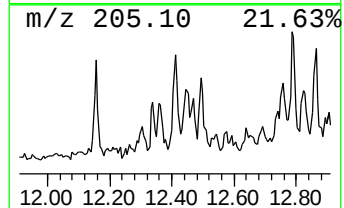
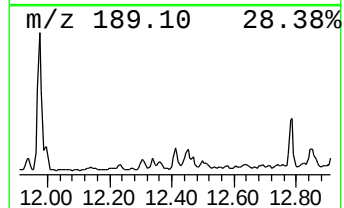
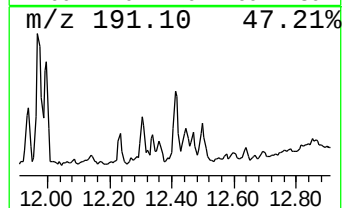
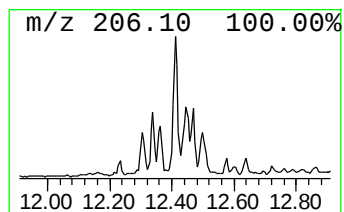
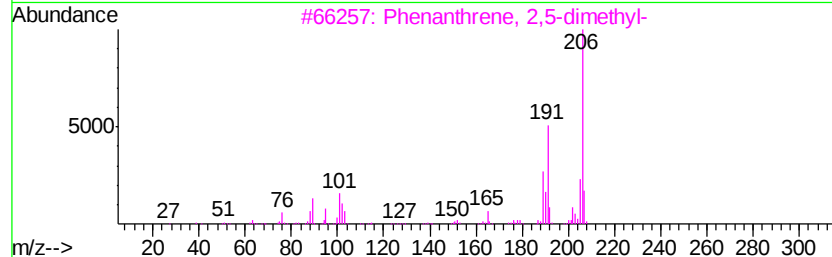
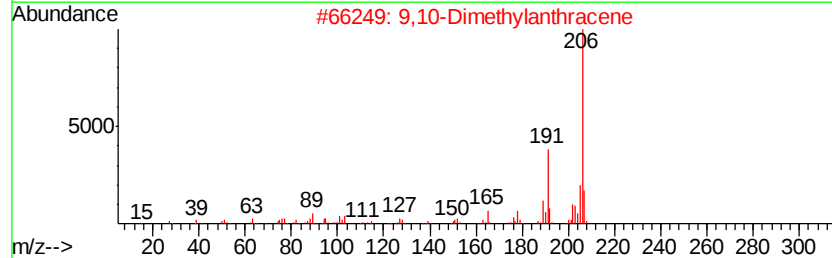
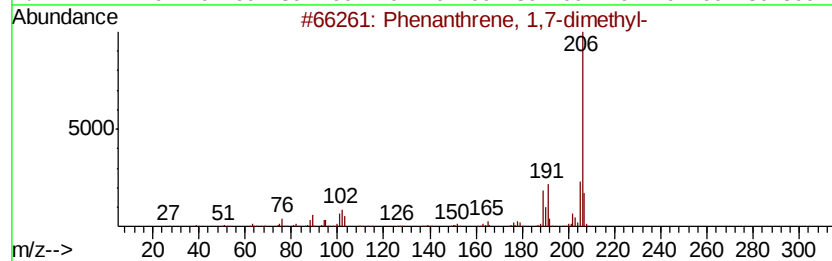
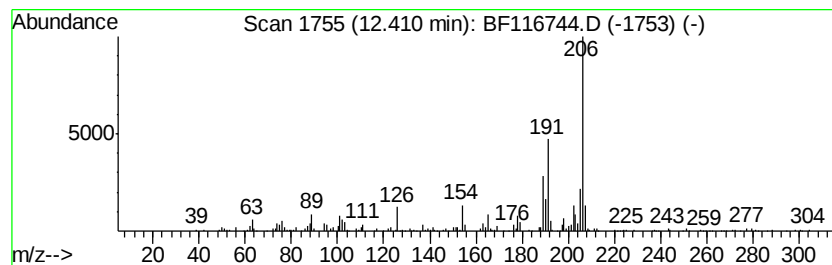
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.61 ng	128789	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090119\
Data File : BF116744.D
Acq On : 1 Sep 2019 15:59
Operator : HP/JU
Sample : K4544-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
T16-17-B1-B4-(0-2.25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
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unknown6.62	6.62	68.3	ng	2458320	1	6.85	719570	20.0
Tetradecane	9.29	2.8	ng	154923	3	9.88	1117370	20.0
unknown10.79	10.79	3.7	ng	181597	4	11.36	986586	20.0
Dibenzothiophene	11.26	2.5	ng	125179	4	11.36	986586	20.0
Anthracene, 9-met...	11.86	3.9	ng	191937	4	11.36	986586	20.0
Anthracene, 2-met...	11.89	10.6	ng	523396	4	11.36	986586	20.0
4H-Cyclopenta[def...	11.97	6.3	ng	310854	4	11.36	986586	20.0
Tricyclo[8.2.2.2(...	12.16	3.0	ng	147825	4	11.36	986586	20.0
Phenanthrene, 1,7...	12.41	2.6	ng	128789	4	11.36	986586	20.0