

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099882.D
 Acq On : 27 Oct 2017 17:27
 Operator : SJ/JU
 Sample : I6112-09 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-MARION26KV-(2-3)

Manual Integrations
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 10/30/2017 6:16:35 PM

Quant Time: Oct 27 18:56:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	98588	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	406797	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	186049	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	307858	20.00	ng	0.00
75) Chrysene-d12	13.99	240	183692	20.00	ng	0.00
86) Perylene-d12	15.46	264	198516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	295327	47.03	ng	0.00
7) Phenol-d6	6.43	99	376437	50.56	ng	0.00
23) Nitrobenzene-d5	7.36	82	227035	35.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	75403	44.47	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	481527	39.93	ng	0.00
78) Terphenyl-d14	12.92	244	331198	39.40	ng	0.00
Target Compounds						
10) Phenol	6.45	94	21004	2.569	ng	85
31) Naphthalene	8.10	128	49632	2.528	ng	100
37) 2-Methylnaphthalene	8.79	142	32512	2.471	ng	99
48) Acenaphthylene	9.70	152	57408	3.049	ng	97
49) Dimethylphthalate	9.55	163	204993	13.913	ng	99
70) Phenanthrene	11.36	178	382644	22.024	ng	98
71) Anthracene	11.41	178	92068	5.221	ng	96
72) Carbazole	11.57	167	36735	2.215	ng	100
74) Fluoranthene	12.55	202	542244	30.032	ng	99
77) Pyrene	12.79	202	551976	39.518	ng	99
80) Benzo(a)anthracene	13.97	228	252093	21.648	ng	99
82) Chrysene	14.02	228	267915	24.472	ng	99
85) Indeno(1,2,3-cd)pyrene	16.95	276	174386	17.352	ng	97
87) Benzo(b)fluoranthene	15.03	252	378761m	30.215	ng	
88) Benzo(k)fluoranthene	15.06	252	121156m	10.250	ng	
89) Benzo(a)pyrene	15.40	252	263218	23.376	ng	98
90) Dibenzo(a,h)anthracene	16.94	278	45999m	4.597	ng	
91) Benzo(g,h,i)perylene	17.40	276	166108	16.969	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

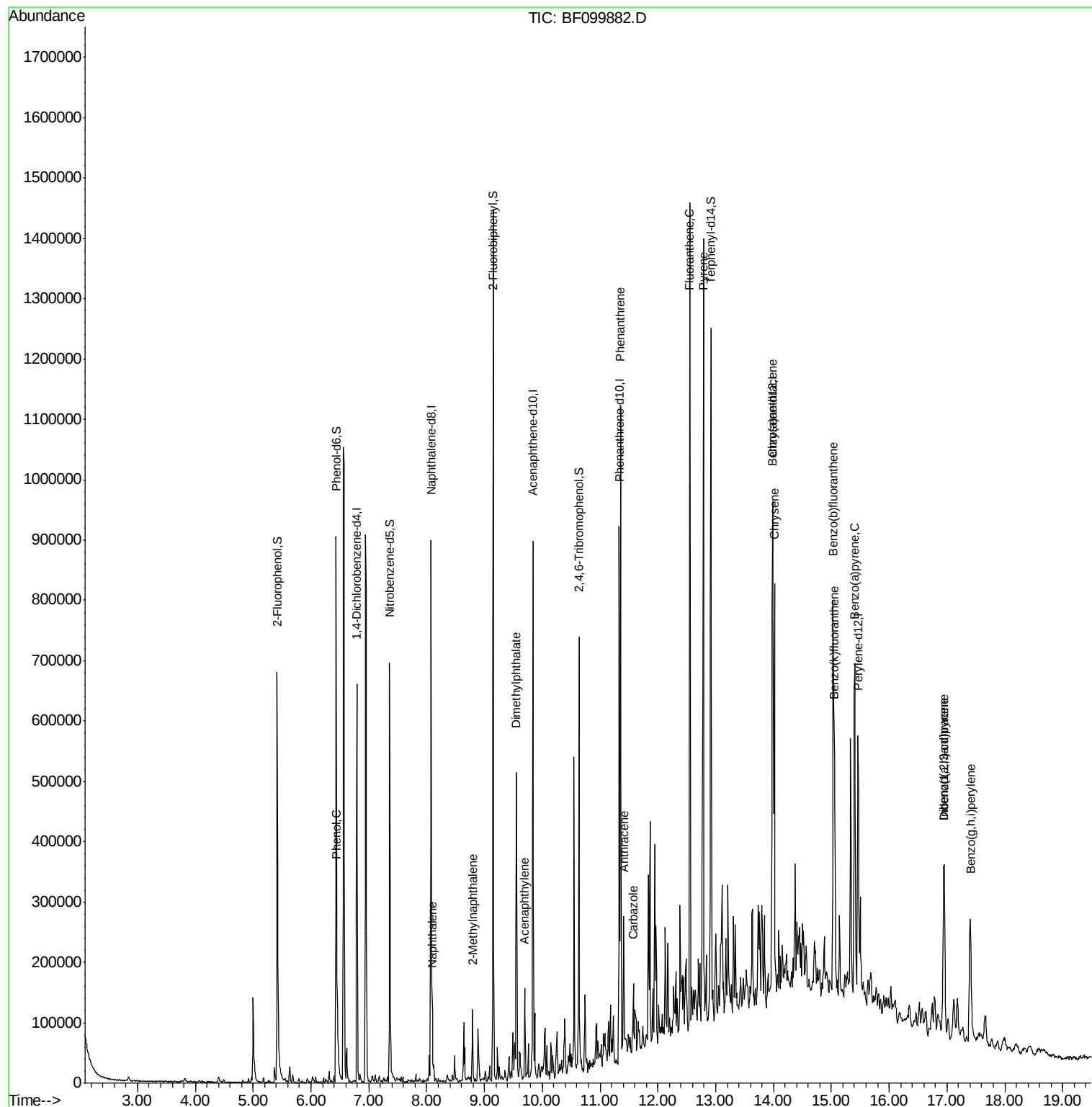
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#1

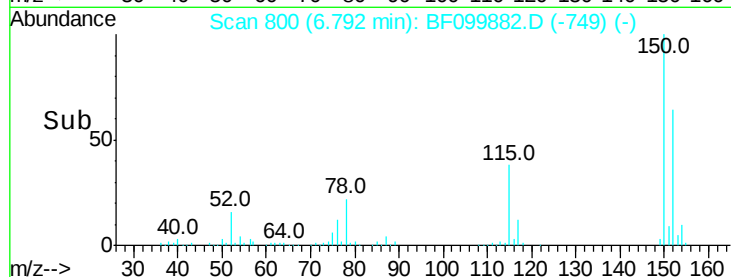
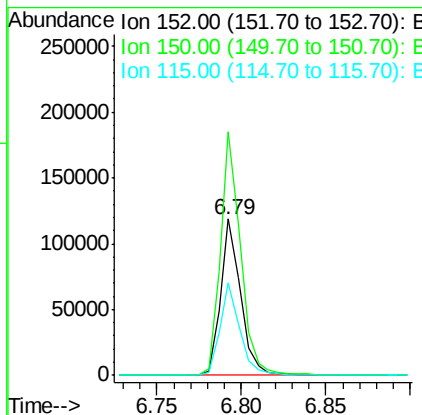
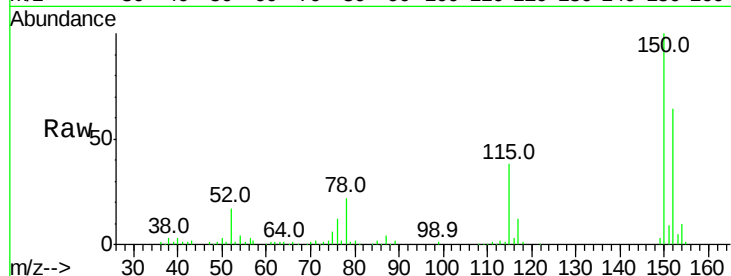
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Instrument :
BNA_F
ClientSampleId :
3-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	58.9	50.1	75.1

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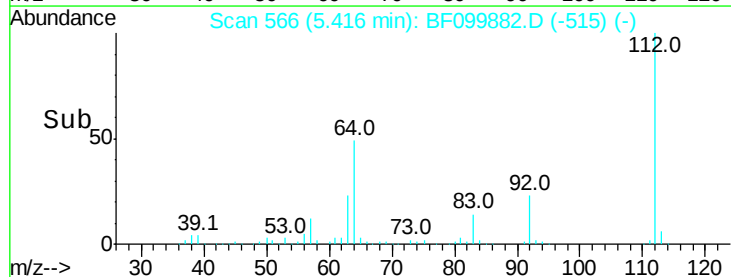
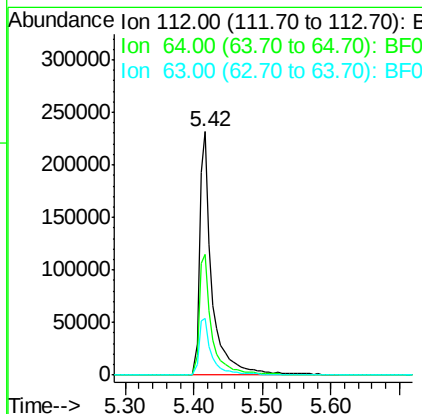
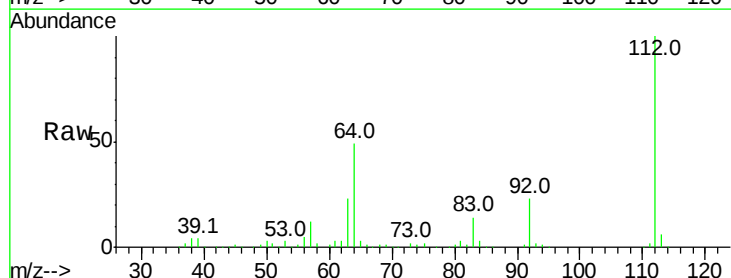
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#5

2-Fluorophenol
Concen: 47.029 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	47.9	71.9
63	23.2	23.7	35.5#





#7

Phenol-d6

Concen: 50.556 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

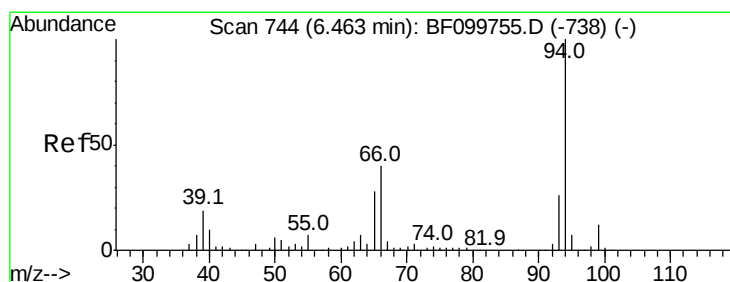
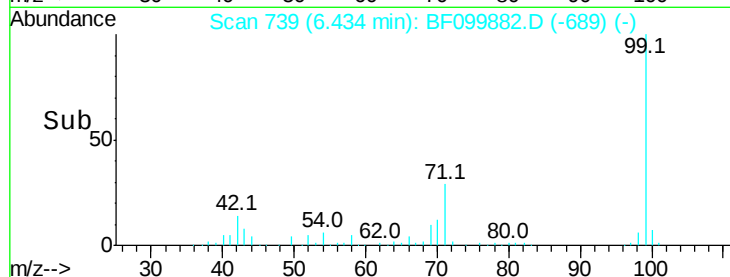
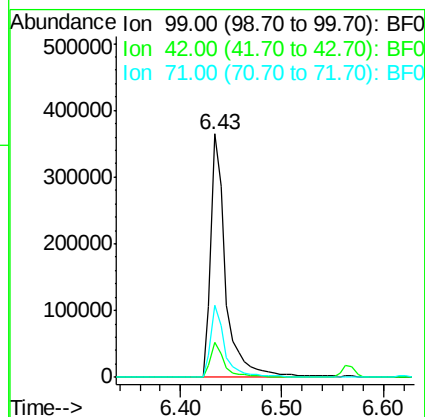
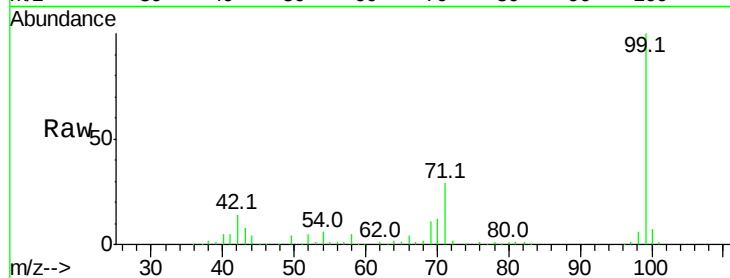
ClientSampleId :

3-MARION26KV-(2-3)

Tot Ion:	99	Resp:	376437
Ion Ratio	Lower	Upper	
99	100		
42	14.2	14.5	21.7#
71	29.4	25.4	38.0

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#10

Phenol

Concen: 2.569 ng

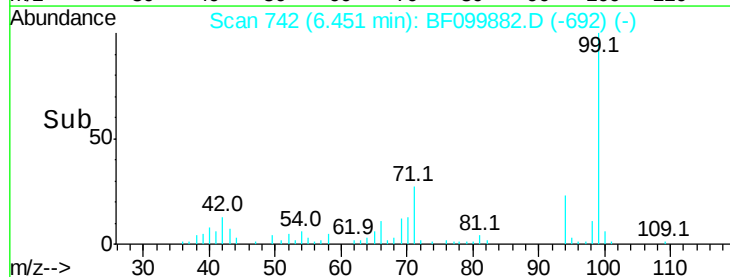
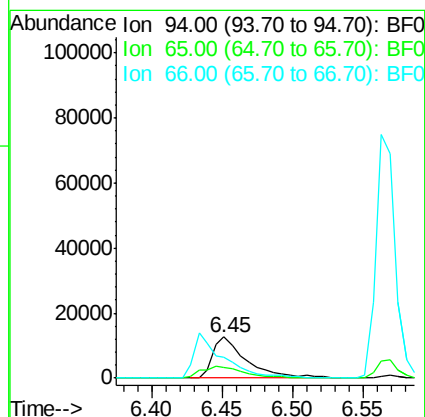
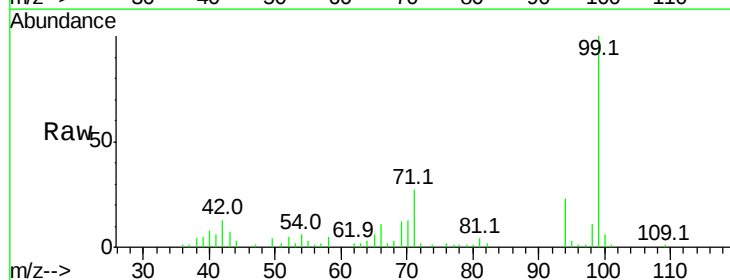
RT: 6.45 min Scan# 742

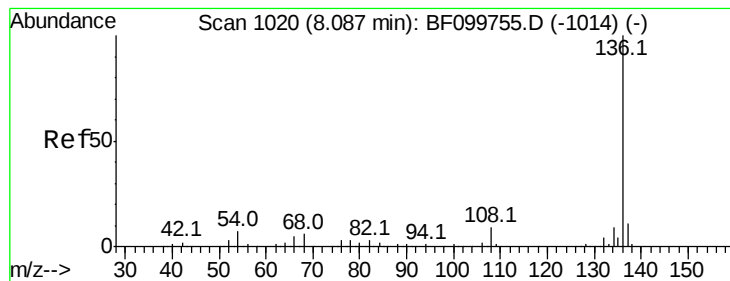
Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion:	94	Resp:	21004
Ion Ratio	Lower	Upper	
94	100		
65	25.3	7.9	47.9
66	49.5	16.2	56.2





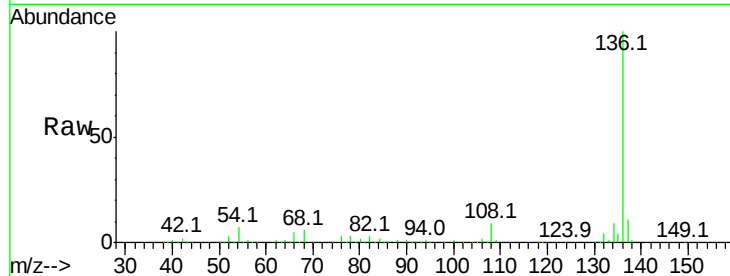
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Instrument :
BNA_F
ClientSampleId :
3-MARION26KV-(2-3)

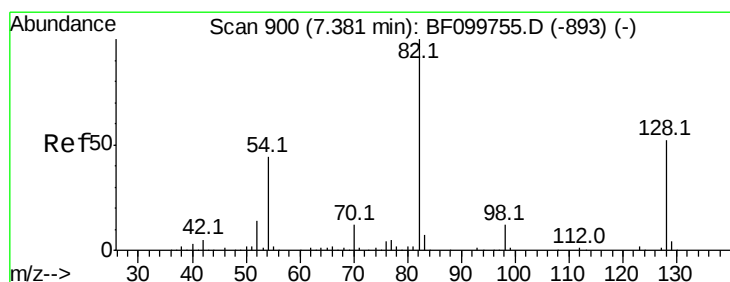
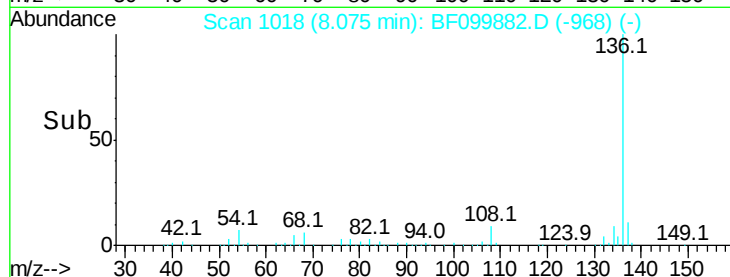
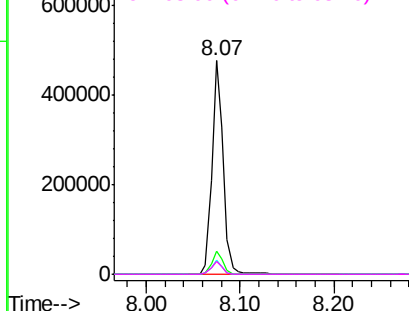
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	6.6	6.6	9.8	
68	5.9	5.0	7.4	

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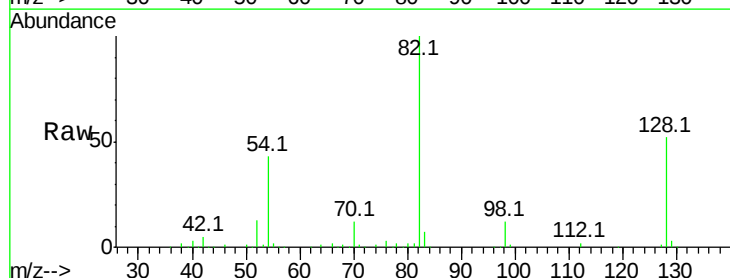


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

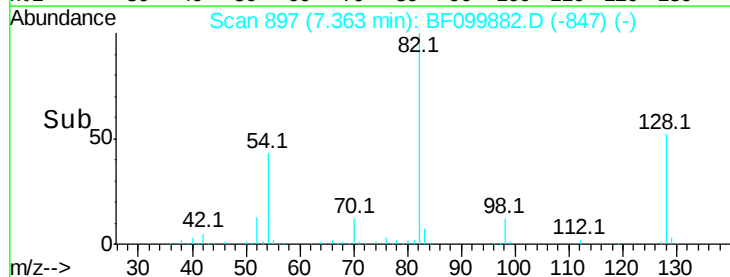
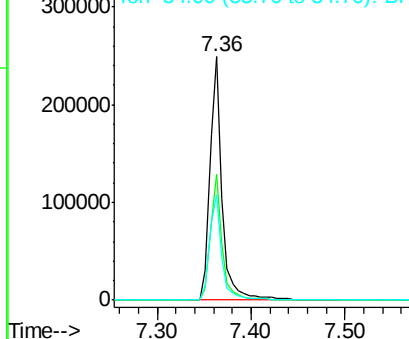


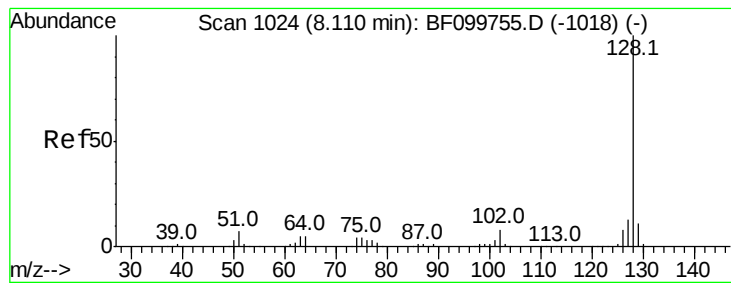
#23
Nitrobenzene-d5
Concen: 35.931 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	51.6	36.1	54.1	
54	43.4	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.528 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

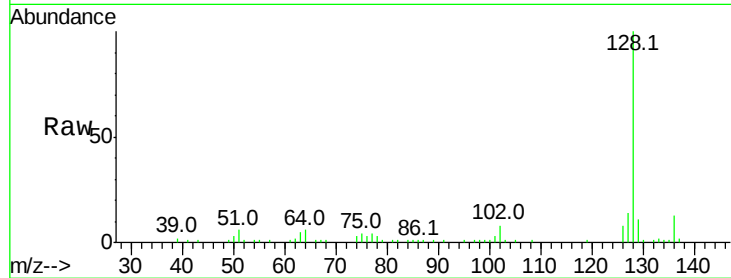
ClientSampleId :

3-MARION26KV-(2-3)

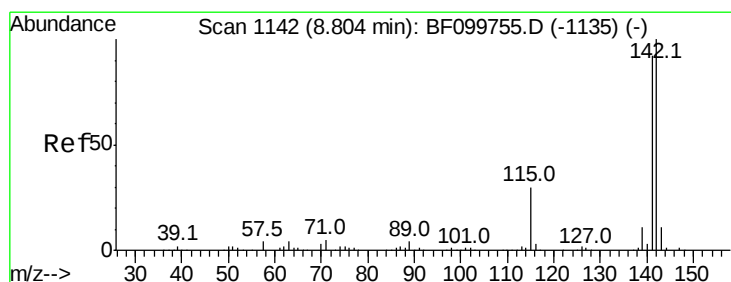
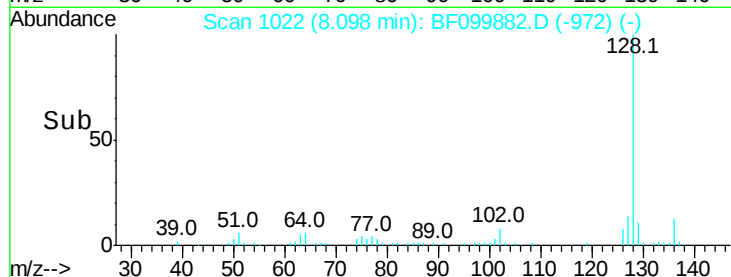
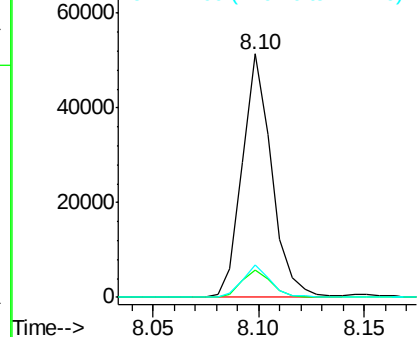
Tot Ion:	128	Resp:	49632
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.5	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.471 ng

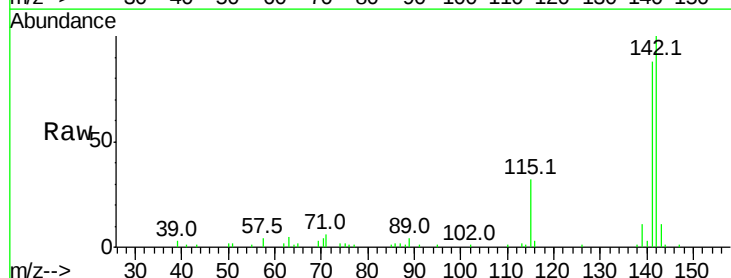
RT: 8.79 min Scan# 1140

Delta R.T. 0.00 min

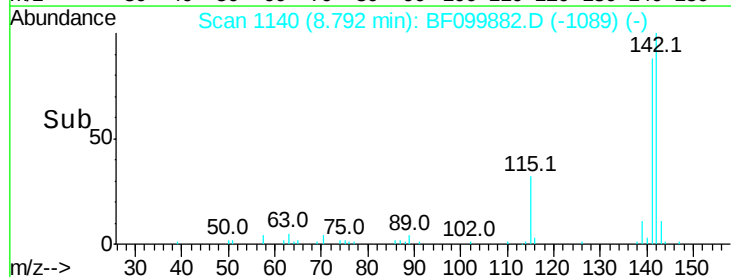
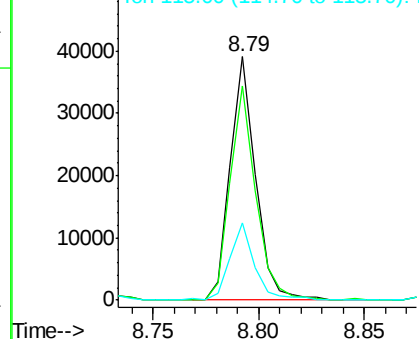
Lab File: BF099882.D

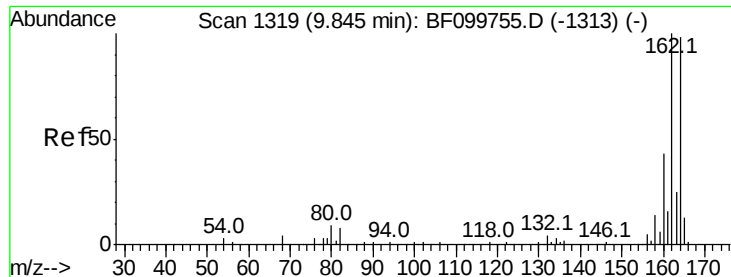
Acq: 27 Oct 2017 17:27

Tgt Ion:	142	Resp:	32512
Ion Ratio	Lower	Upper	
142	100		
141	87.8	70.8	106.2
115	31.7	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





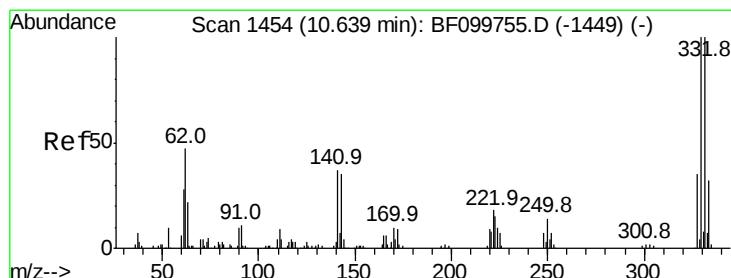
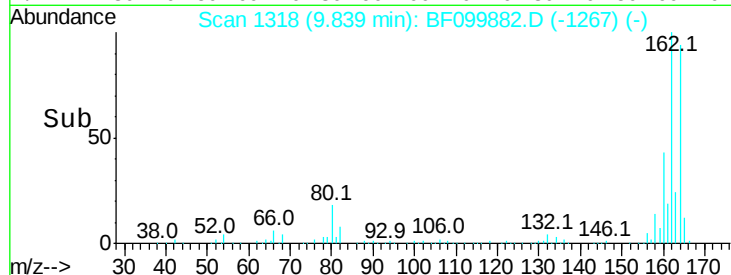
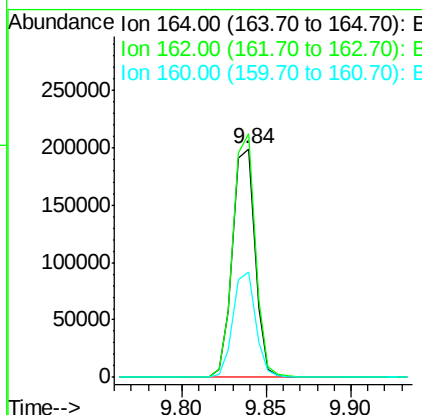
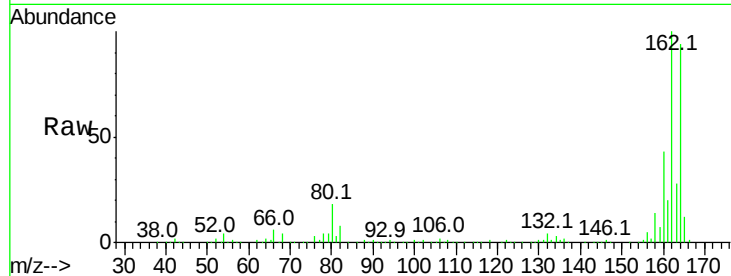
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Instrument :
BNA_F
ClientSampleId :
3-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.4	86.1	129.1
160	46.1	38.3	57.5

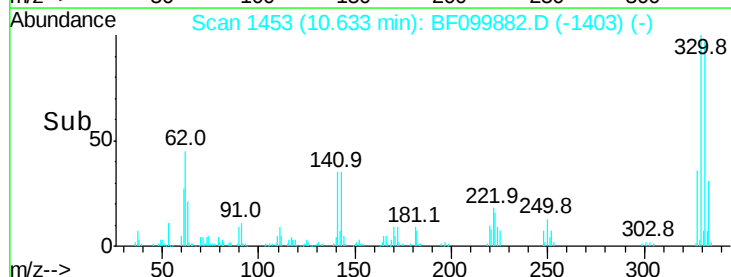
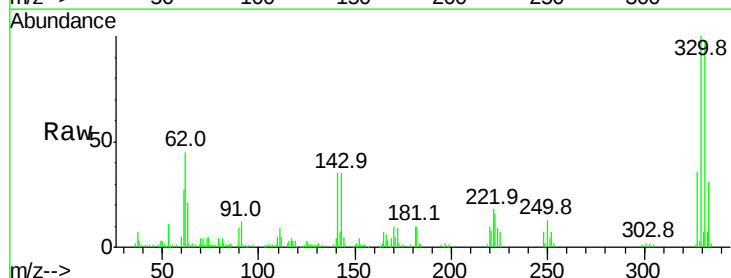
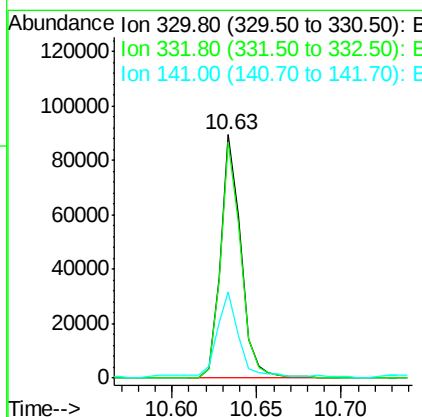
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#41
2,4,6-Tribromophenol
Concen: 44.473 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	36.5	29.9	44.9





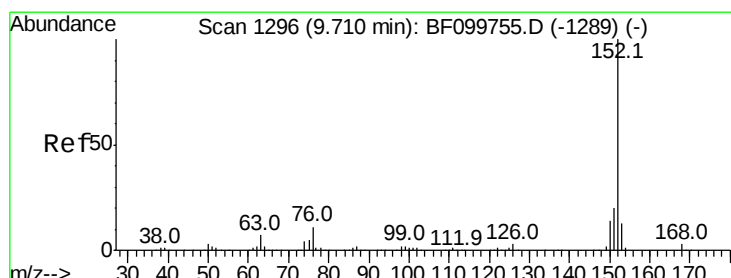
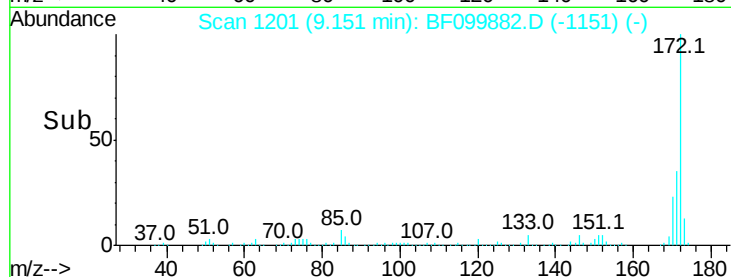
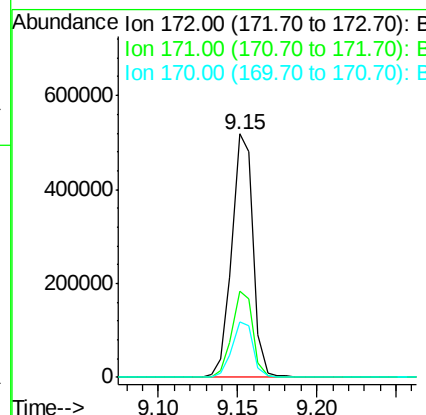
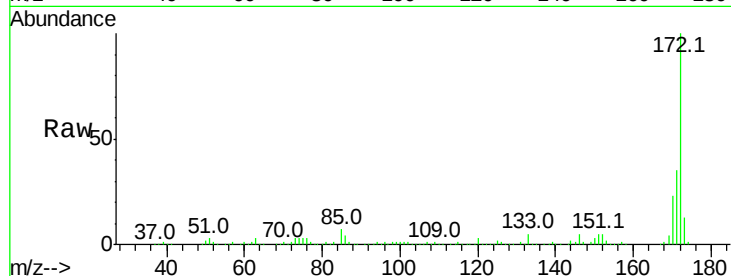
#44
2-Fluorobiphenyl
Concen: 39.931 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Instrument :
BNA_F
ClientSampleId :
3-MARION26KV-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	23.0	19.6	29.4	

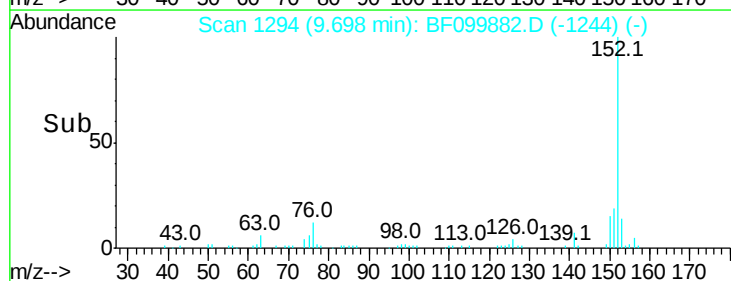
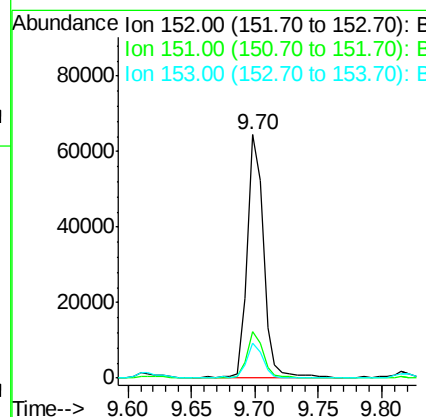
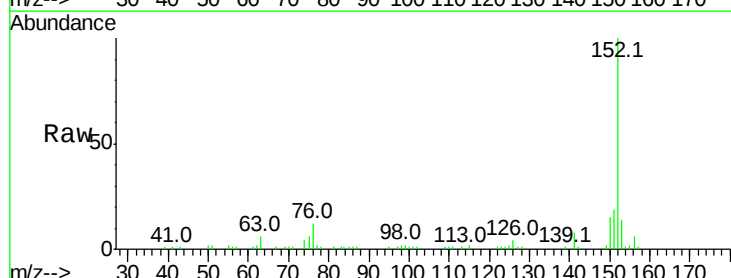
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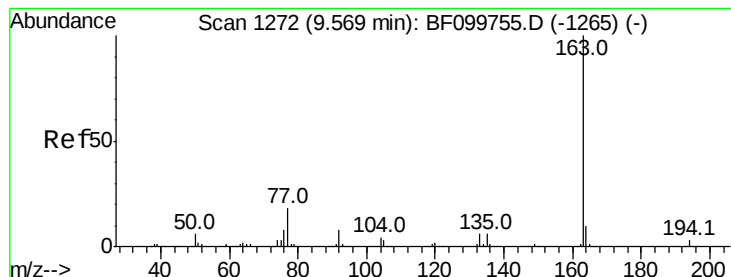
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#48
Acenaphthylene
Concen: 3.049 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.3	16.3	24.5	
153	14.5	10.7	16.1	





#49

Dimethylphthalate

Concen: 13.913 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

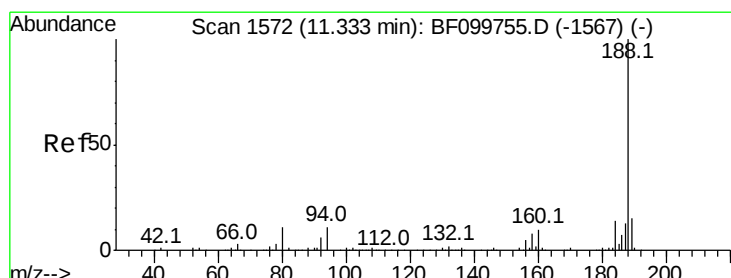
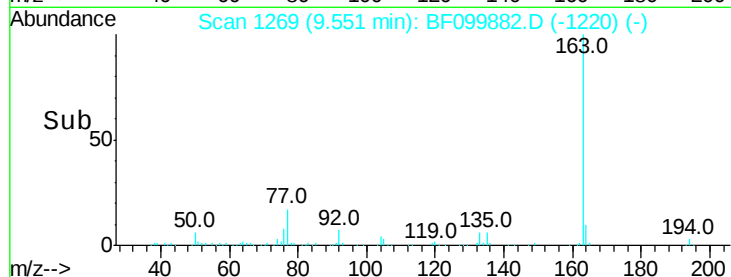
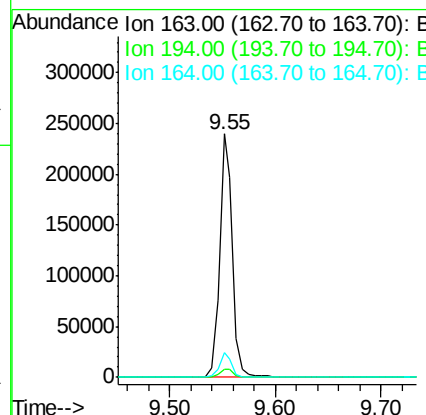
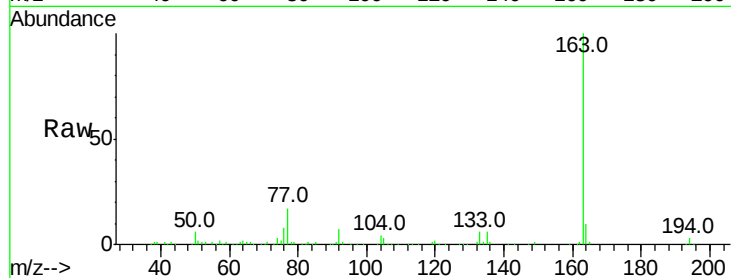
ClientSampleId :

3-MARION26KV-(2-3)

Tot Ion:	163	Resp:	204993
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	9.9	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

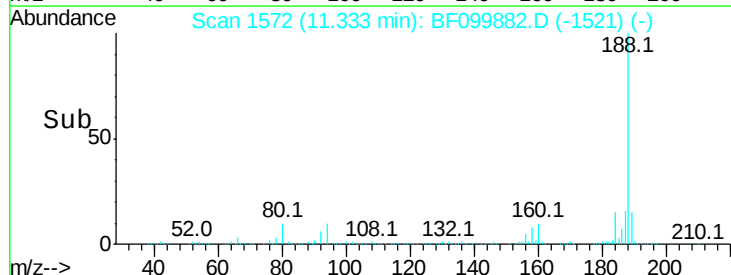
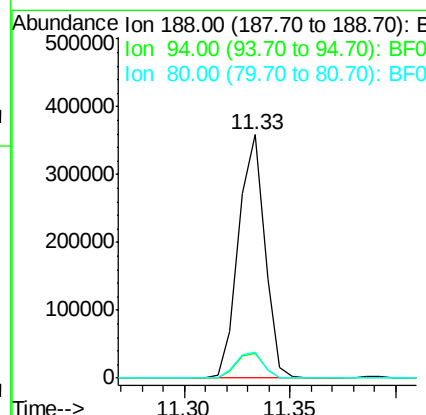
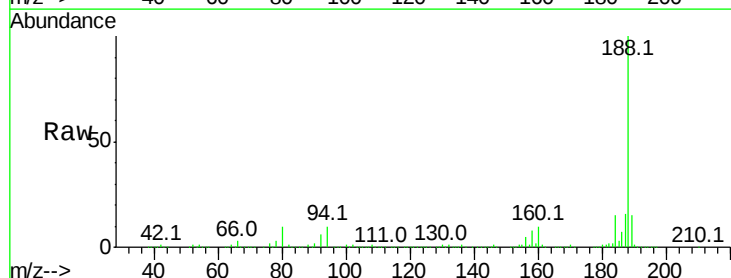
RT: 11.33 min Scan# 1572

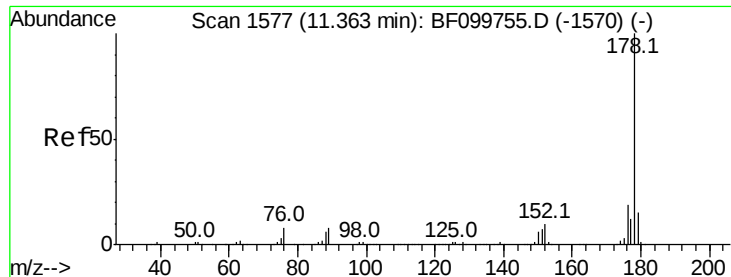
Delta R.T. 0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion:	188	Resp:	307858
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.5	12.7
80	10.5	9.2	13.8





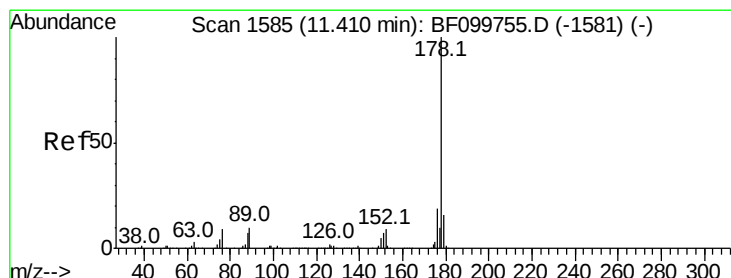
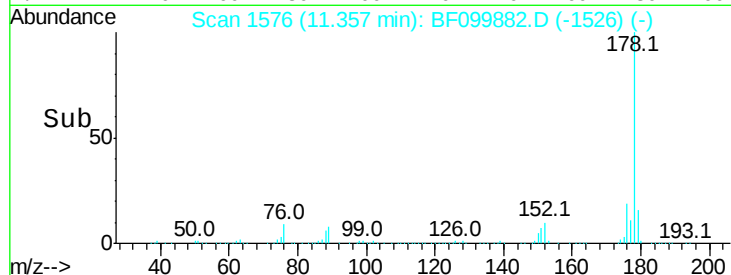
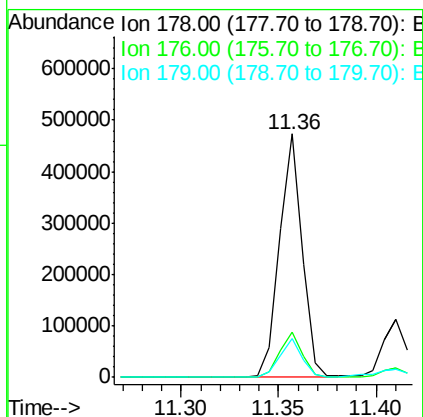
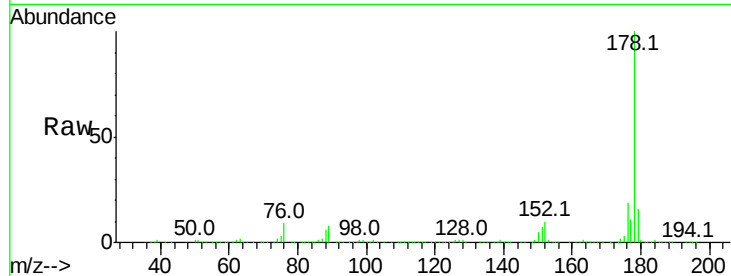
#70
Phenanthrene
Concen: 22.024 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Instrument :
BNA_F
ClientSampleId :
3-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.7	13.0	19.6

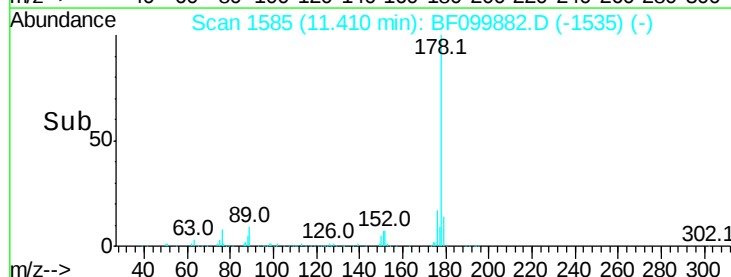
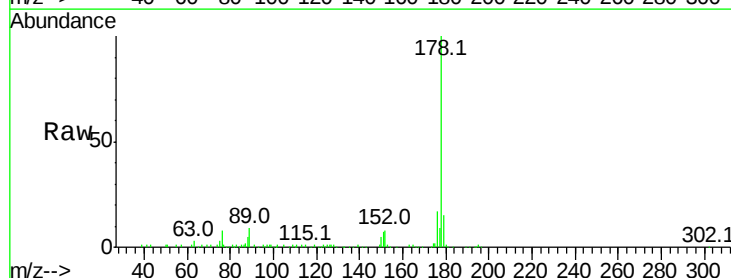
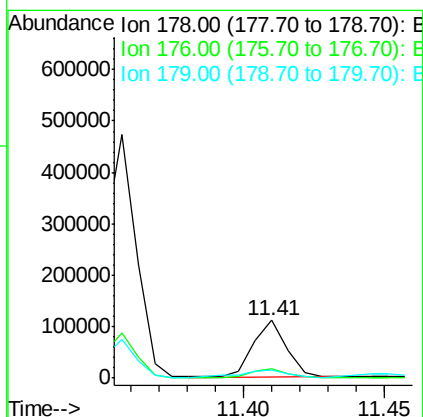
Manual Integrations
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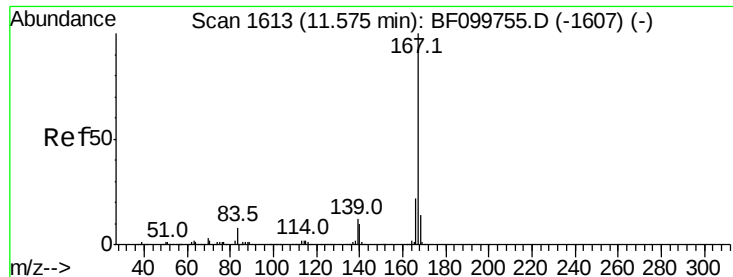
Sohil
10/30/2017 6:16:35 PM



#71
Anthracene
Concen: 5.221 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.4	23.2
179	15.0	12.6	19.0





#72

Carbazole

Concen: 2.215 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

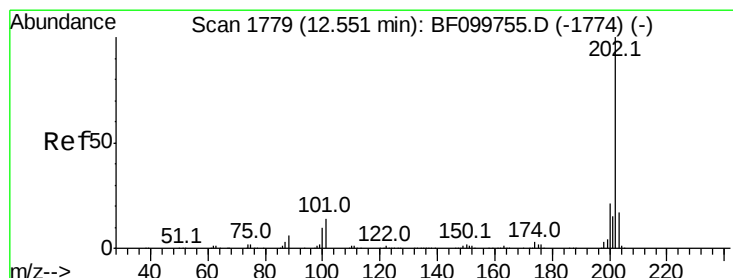
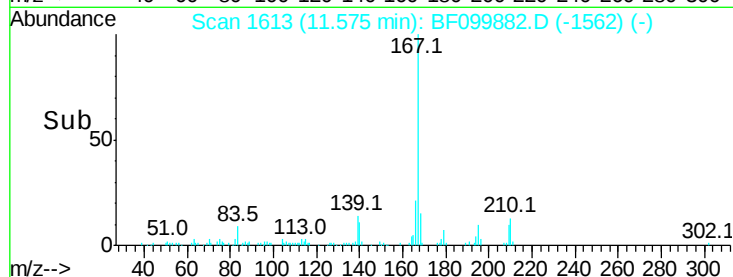
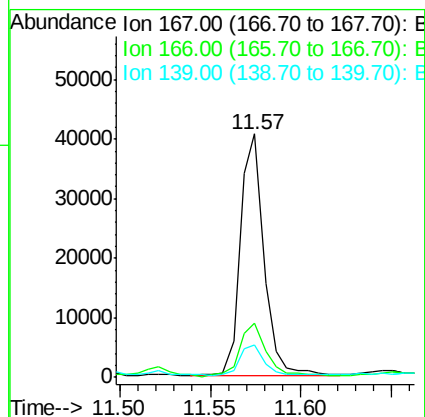
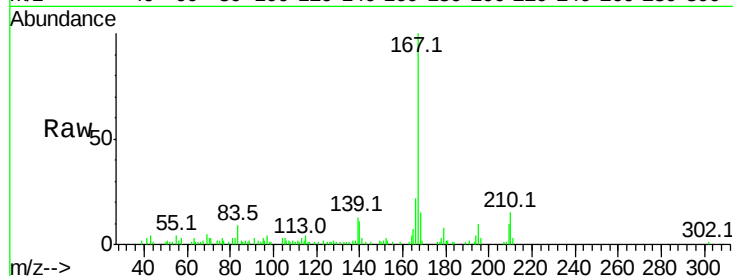
ClientSampleId :

3-MARION26KV-(2-3)

Tot Ion:	167	Resp:	36735
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	13.4	10.9	16.3

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#74

Fluoranthene

Concen: 30.032 ng

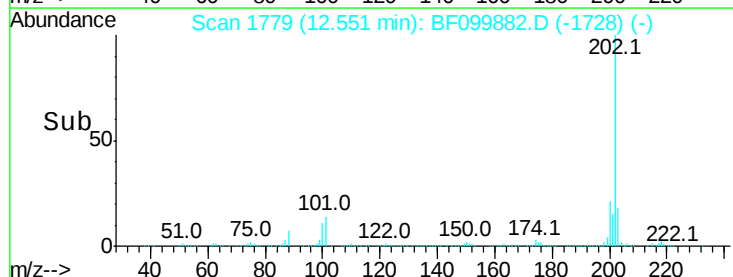
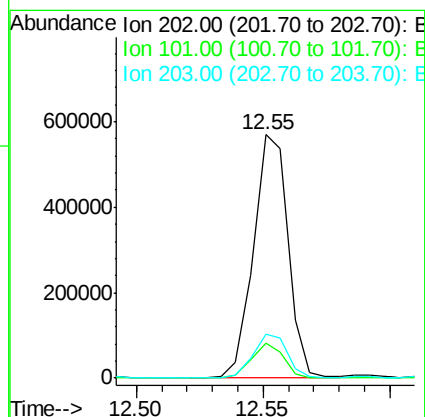
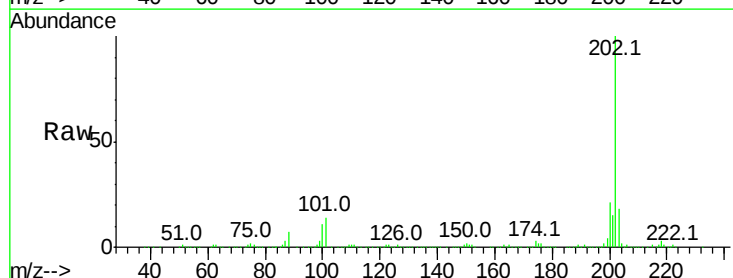
RT: 12.55 min Scan# 1779

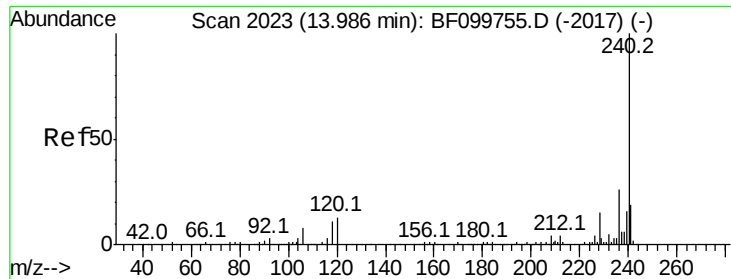
Delta R.T. -0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion:	202	Resp:	542244
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

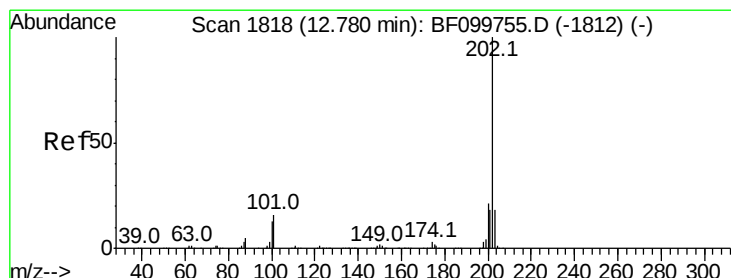
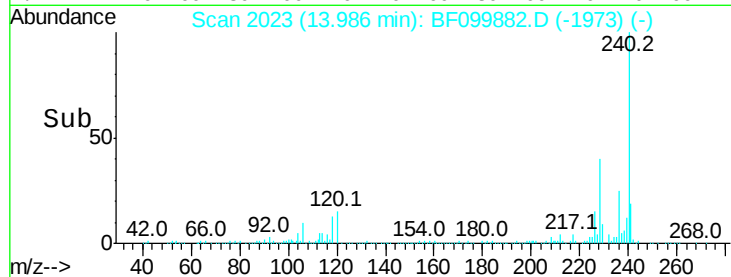
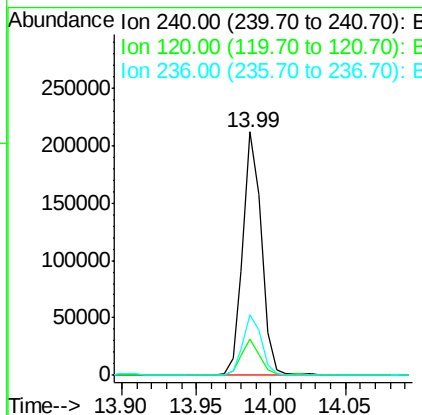
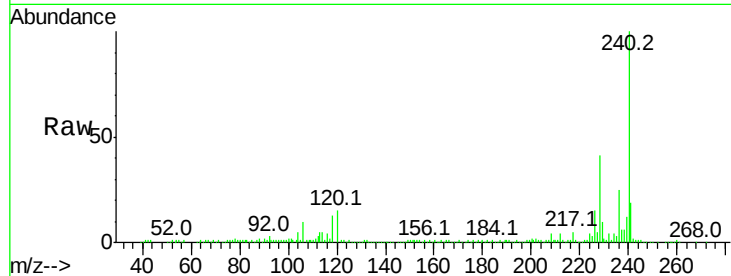
ClientSampleId :

3-MARION26KV-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.8	9.5	14.3	
236	24.9	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 39.518 ng

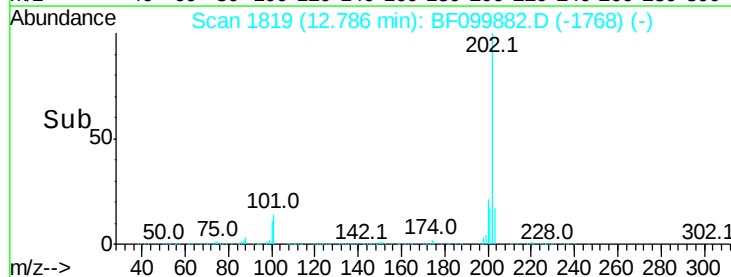
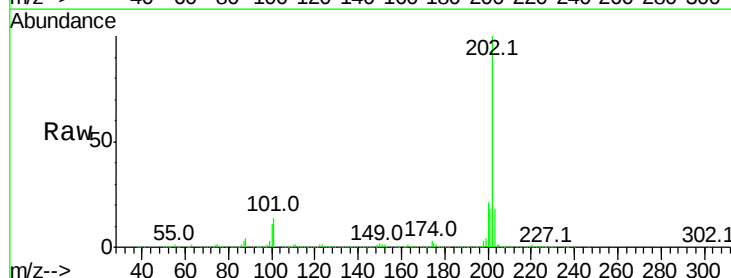
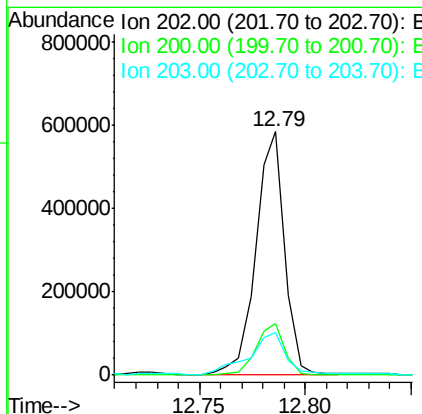
RT: 12.79 min Scan# 1819

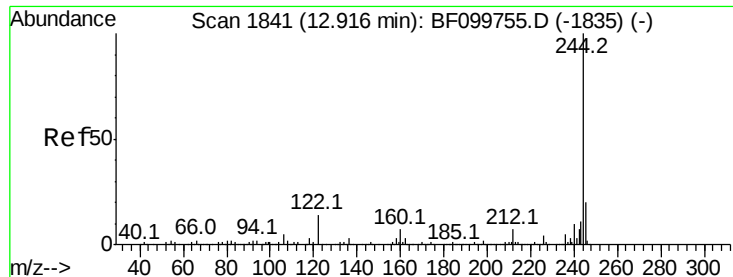
Delta R.T. 0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	17.4	26.2	
203	17.6	14.3	21.5	





#78

Terphenyl-d14

Concen: 39.402 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

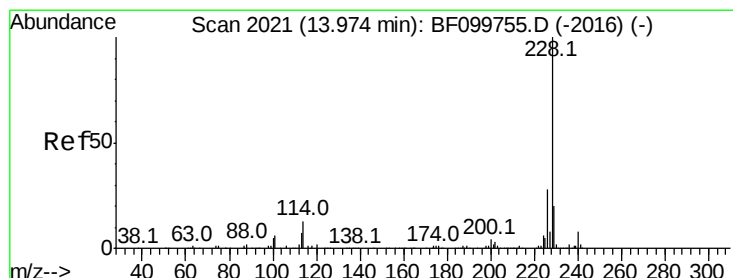
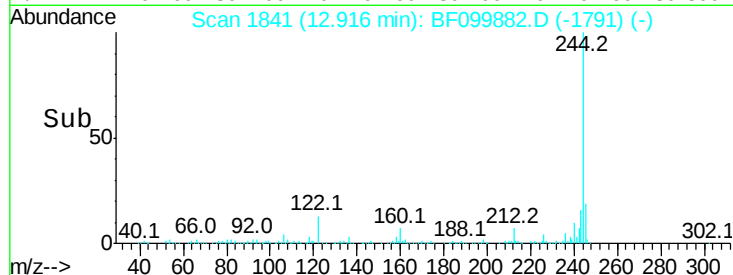
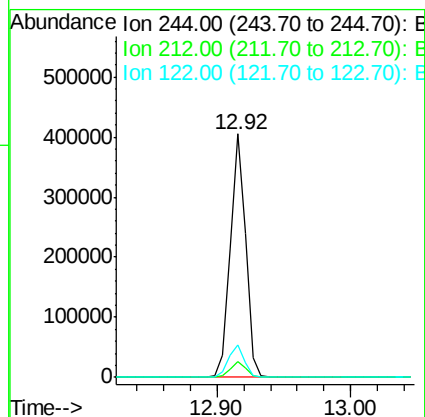
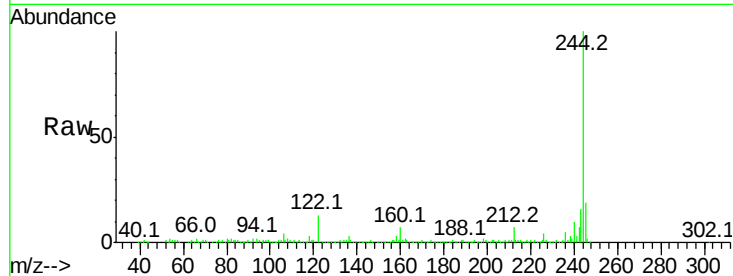
ClientSampleId :

3-MARION26KV-(2-3)

Tot Ion:	244	Resp:	331198
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	13.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 21.648 ng

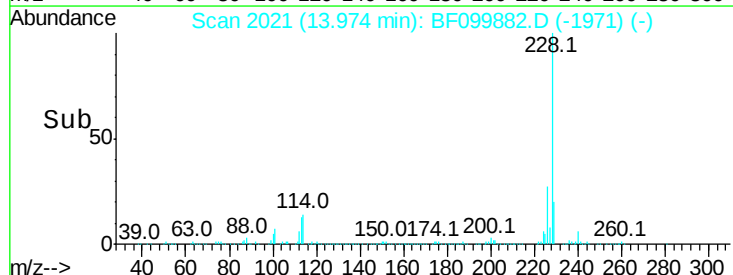
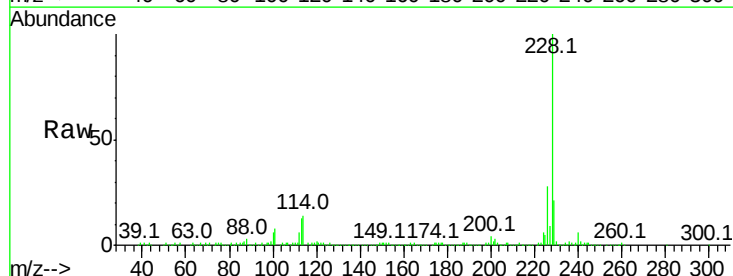
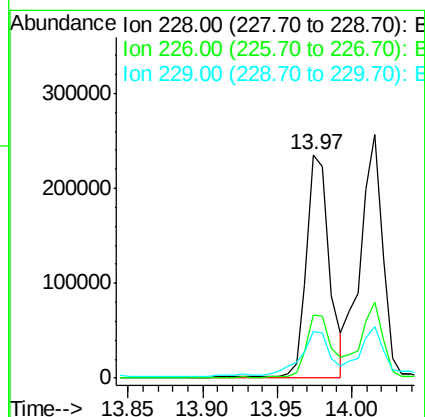
RT: 13.97 min Scan# 2021

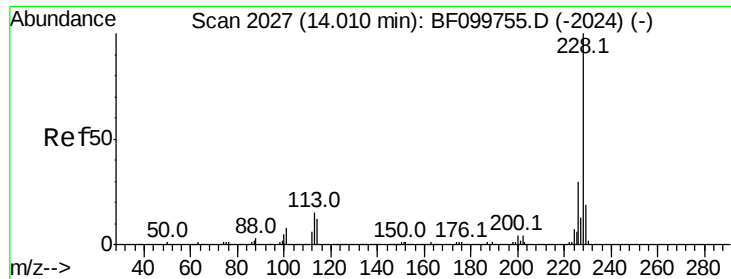
Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion:	228	Resp:	252093
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 24.472 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

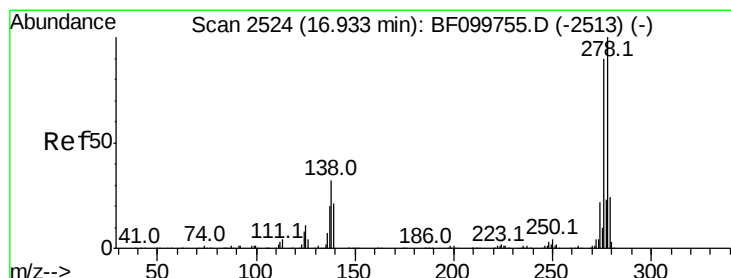
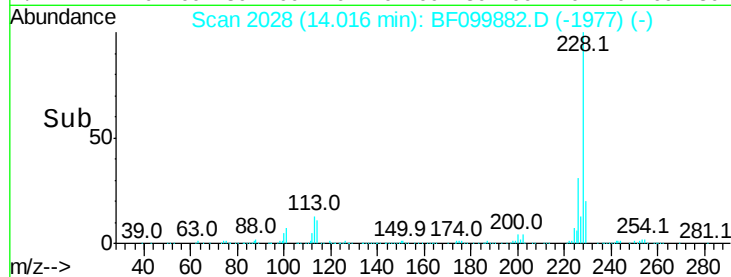
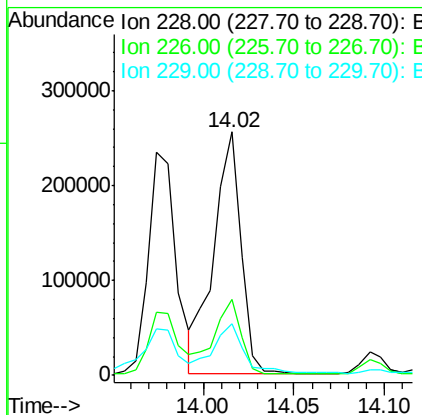
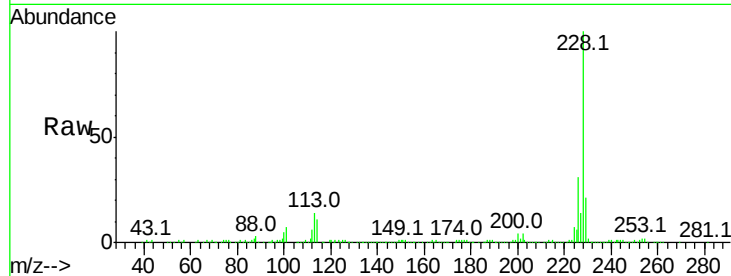
ClientSampleId :

3-MARION26KV-(2-3)

Tot Ion:	228	Resp:	267915
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	21.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.352 ng

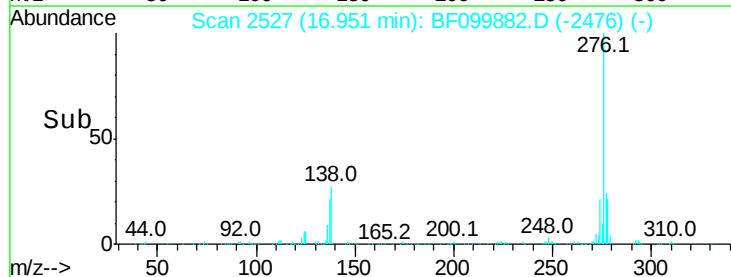
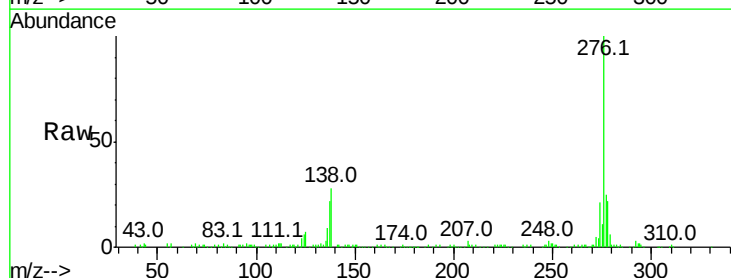
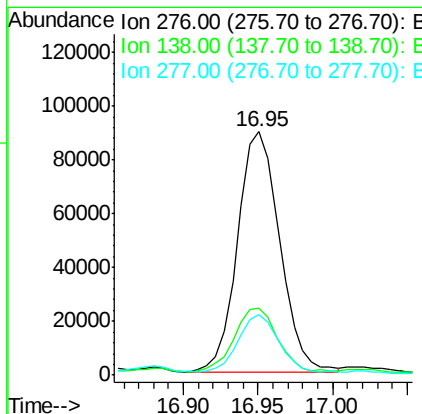
RT: 16.95 min Scan# 2527

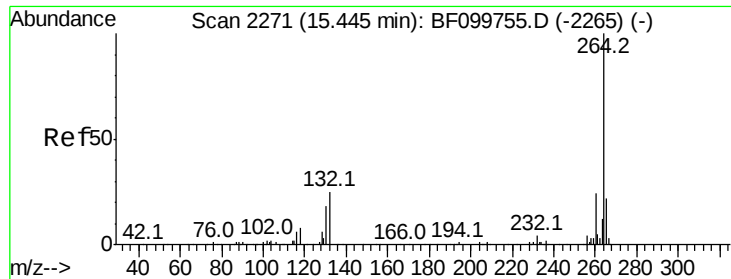
Delta R.T. 0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion:	276	Resp:	174386
Ion Ratio	Lower	Upper	
276	100		
138	28.9	25.0	37.6
277	24.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Instrument :

BNA_F

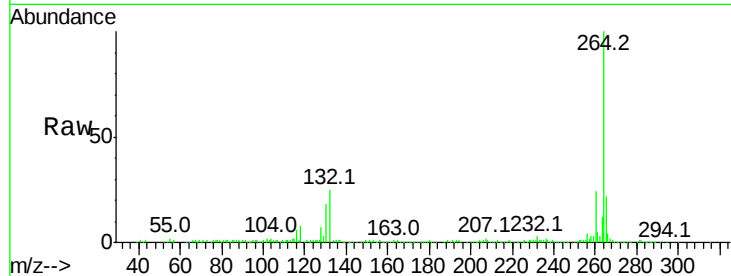
ClientSampleId :

3-MARION26KV-(2-3)

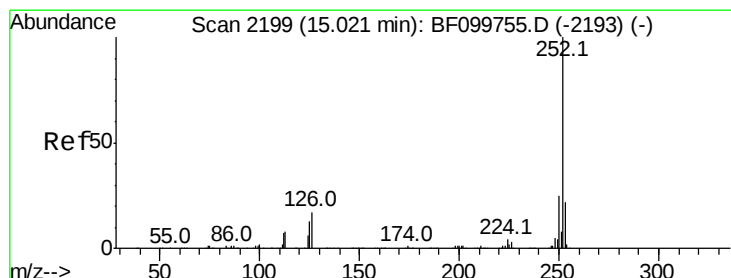
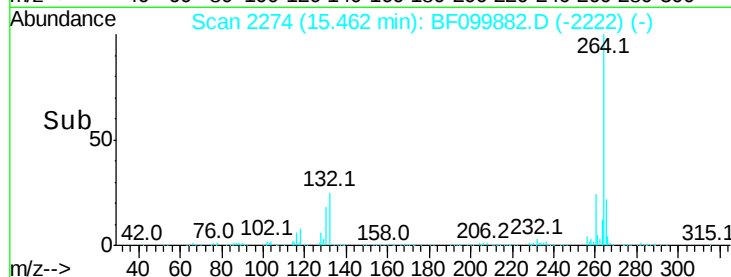
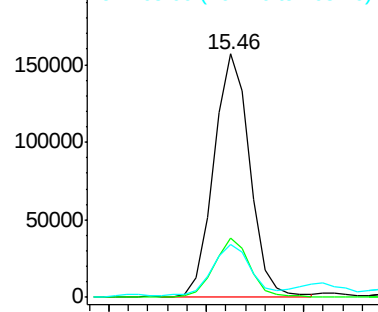
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 30.215 ng m

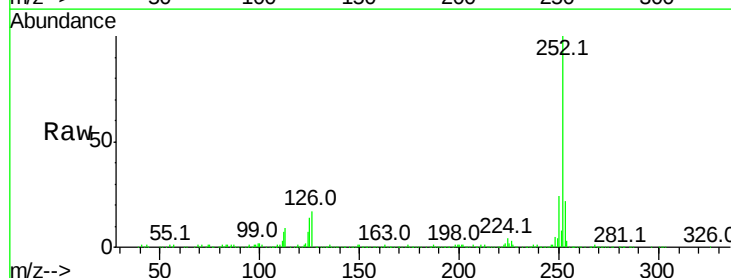
RT: 15.03 min Scan# 2201

Delta R.T. 0.00 min

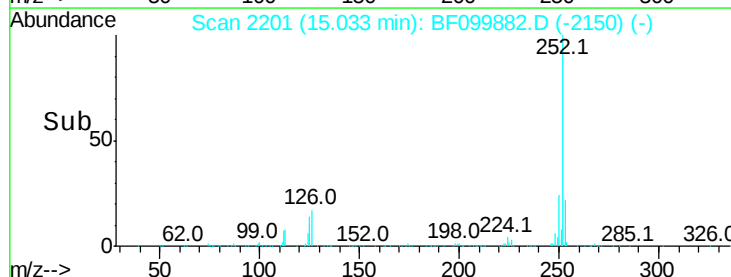
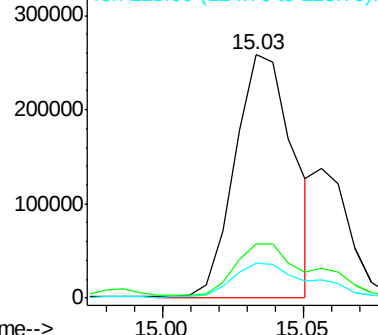
Lab File: BF099882.D

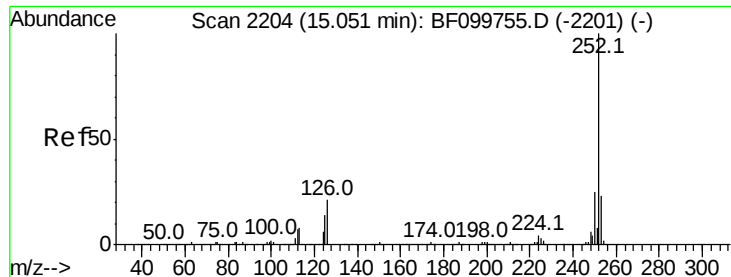
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.5	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 10.250 ng/mL

RT: 15.06 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

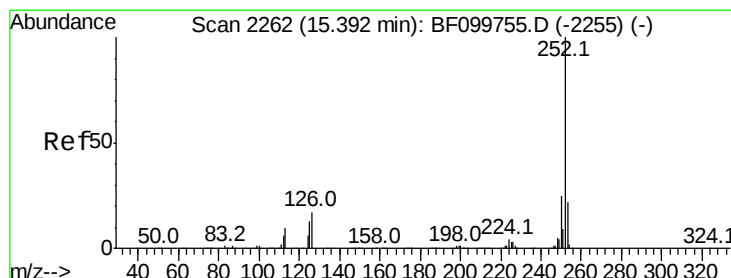
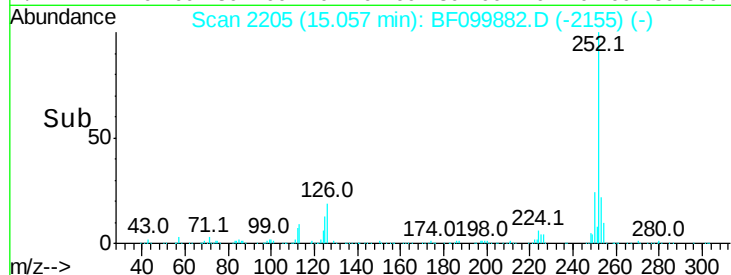
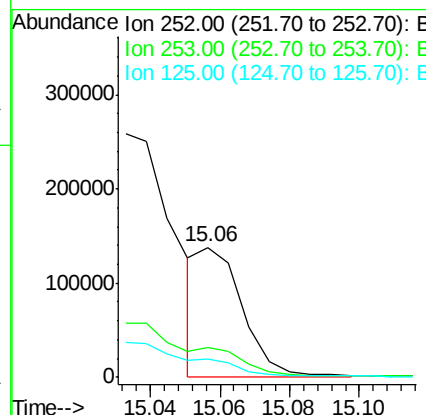
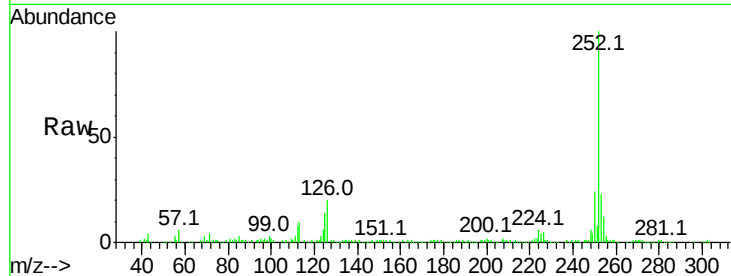
Instrument :
BNA_F

Client Sample ID :
3-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.2	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 23.376 ng/mL

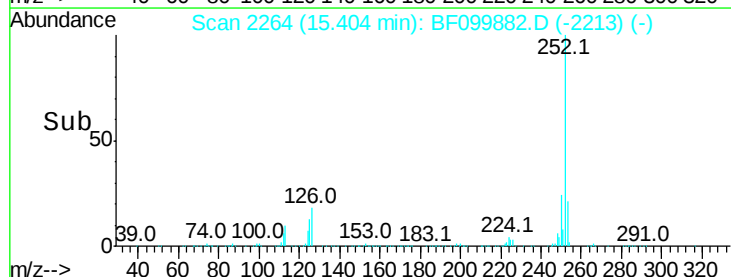
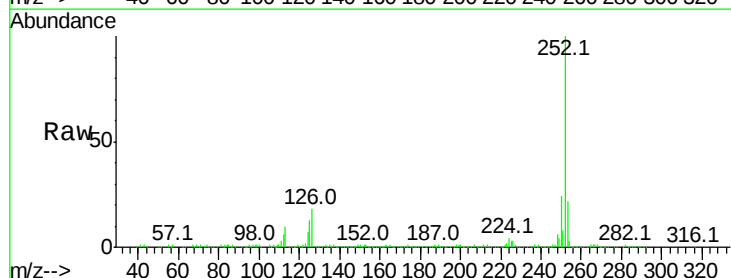
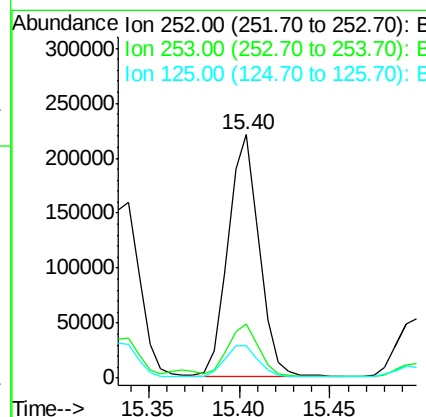
RT: 15.40 min Scan# 2264

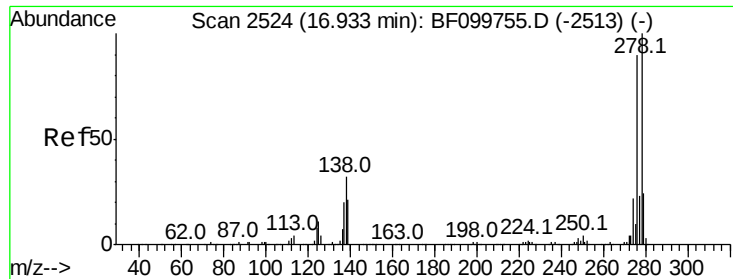
Delta R.T. 0.00 min

Lab File: BF099882.D

Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	13.4	9.8	14.6





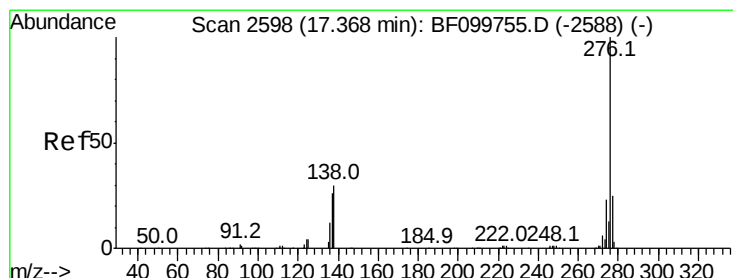
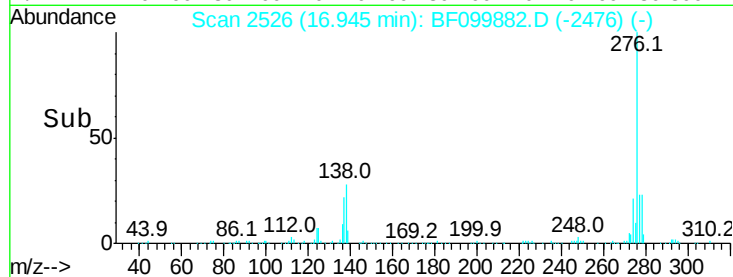
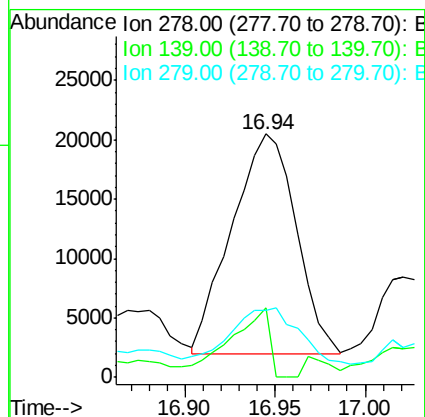
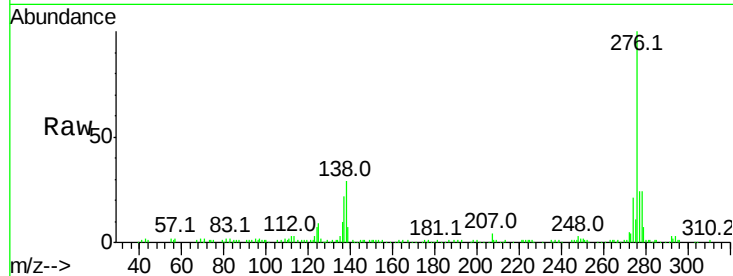
#90
Dibenzo(a,h)anthracene
Concen: 4.597 ng/mL
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Instrument :
BNA_F
ClientSampleId :
3-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.3	15.9	23.9#
279	27.3	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 16.969 ng/mL
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF099882.D
Acq: 27 Oct 2017 17:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	29.4	21.8	32.8

