

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114247.D
 Acq On : 14 May 2019 00:06
 Operator : JU/SJ
 Sample : K2642-03DL 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-050919DL

Manual Integrations
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 5/14/2019 8:03:34 PM

Quant Time: May 14 08:14:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	242276	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	979749	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	459640	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	814962	20.00	ng	0.01
76) Chrysene-d12	14.02	240	580762	20.00	ng	0.00
87) Perylene-d12	15.51	264	571552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	54241	3.60	ng	0.01
7) Phenol-d6	6.50	99	77474	4.35	ng	0.01
23) Nitrobenzene-d5	7.42	82	41342	2.37	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	15540	3.27	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	90536	2.98	ng	0.00
79) Terphenyl-d14	12.96	244	77590	2.75	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	445614	9.737	ng	98
37) 2-Methylnaphthalene	8.85	142	185607	6.286	ng	95
38) 1-Methylnaphthalene	8.95	142	145025	5.215	ng	97
52) Acenaphthene	9.92	154	279212	10.011	ng	99
55) Dibenzofuran	10.09	168	268742	6.571	ng	96
58) Fluorene	10.44	166	392679	12.430	ng	98
71) Phenanthrene	11.40	178	1948545	49.145	ng	99
72) Anthracene	11.45	178	538946	13.533	ng	98
73) Carbazole	11.61	167	242506	6.386	ng	96
75) Fluoranthene	12.60	202	1797853	42.107	ng	99
78) Pyrene	12.83	202	1614235	34.552	ng	99
81) Benzo(a)anthracene	14.01	228	720037	19.169	ng	99
83) Chrysene	14.05	228	662823	18.000	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	241446	7.419	ng	96
88) Benzo(b)fluoranthene	15.07	252	712601m	19.461	ng	
89) Benzo(k)fluoranthene	15.10	252	257231m	7.647	ng	
90) Benzo(a)pyrene	15.44	252	519711	16.127	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	60085	2.244	ng	# 81
92) Benzo(a,h,i)perylene	17.44	276	236068	8.797	ng	99

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

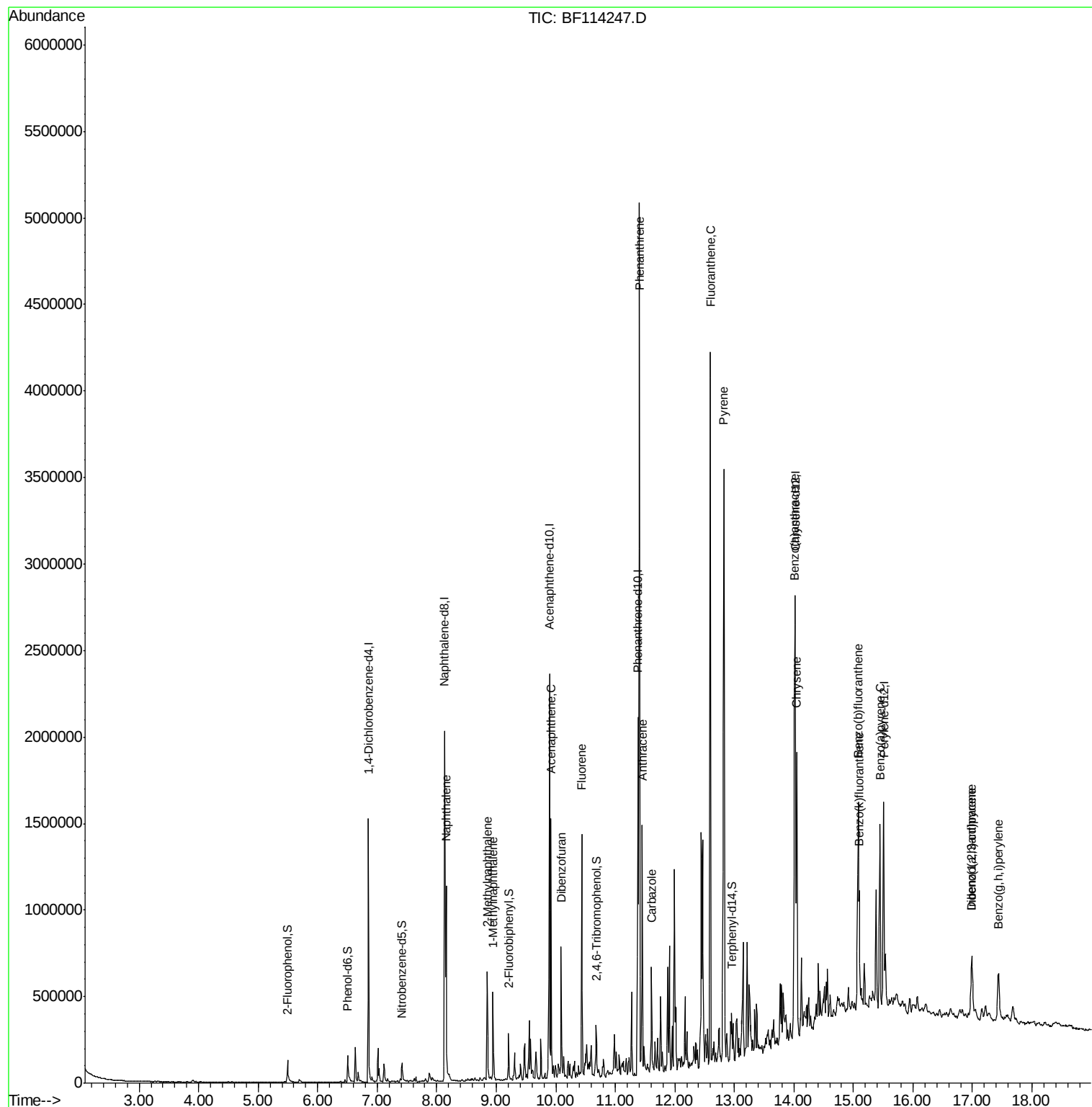
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114247.D
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Misc :
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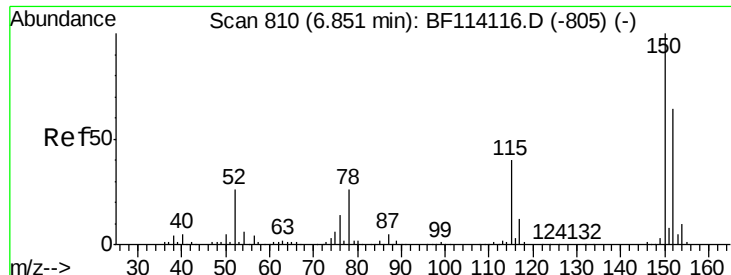
Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

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Quant Time: May 14 08:14:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

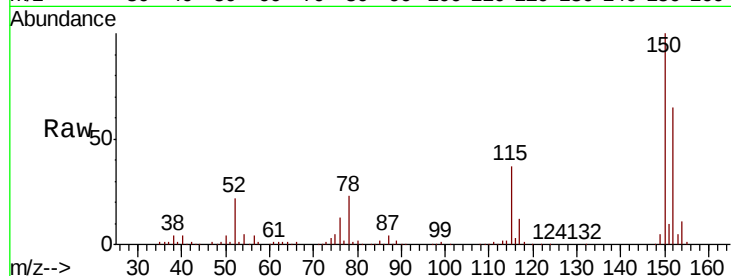
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.3	186.5
115	56.5	49.1	73.7

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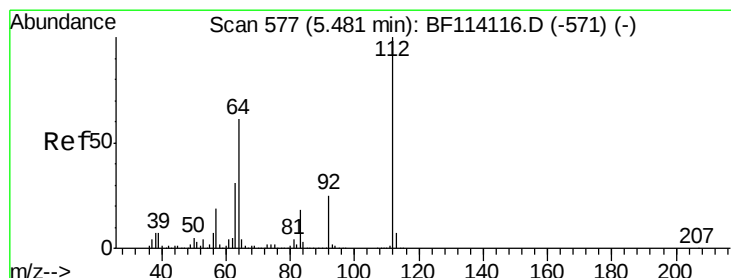
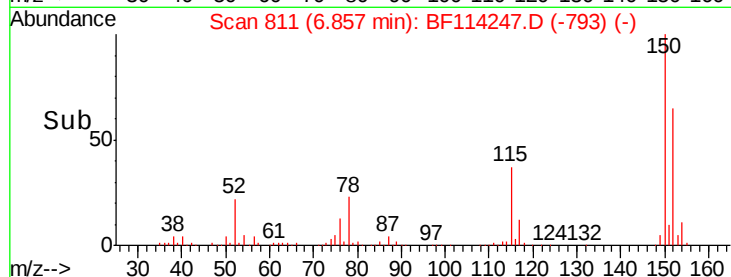
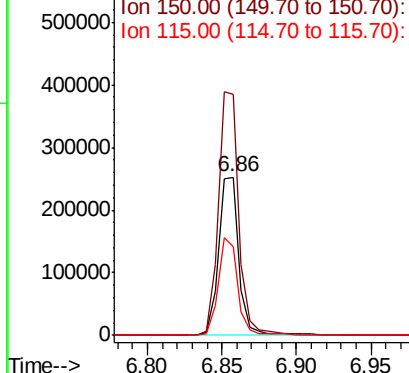


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.603 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

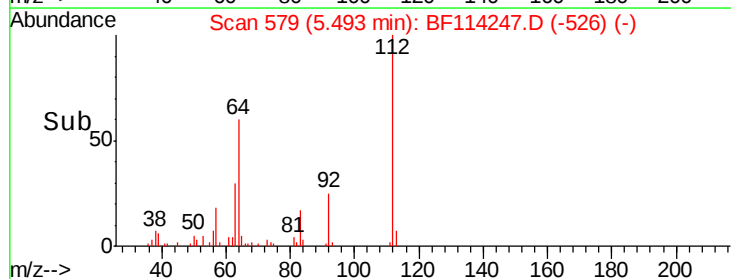
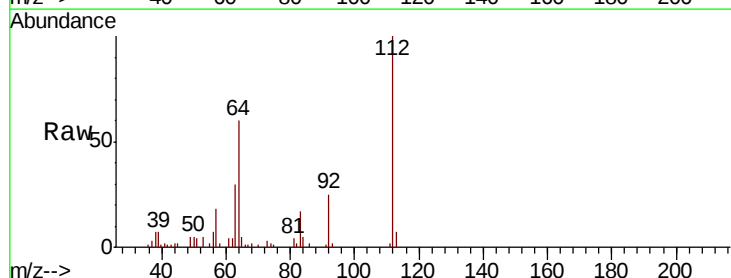
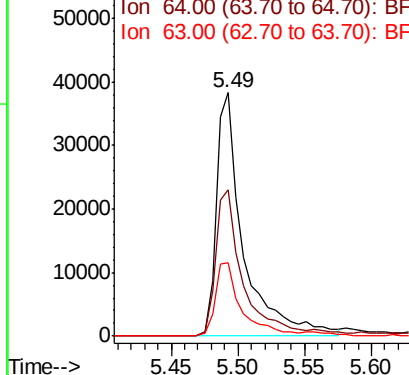
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.0	73.6
63	30.2	24.6	37.0

Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 4.351 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Instrument :

BNA_F

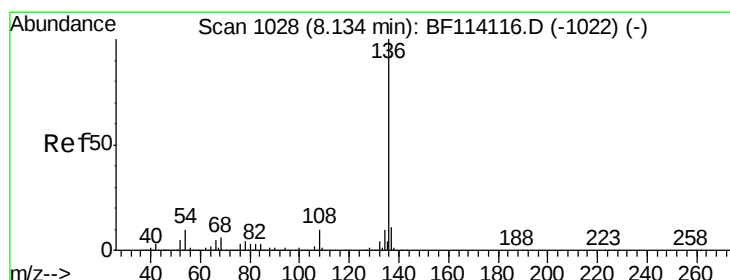
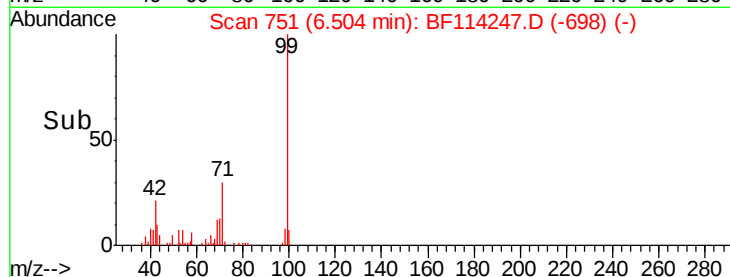
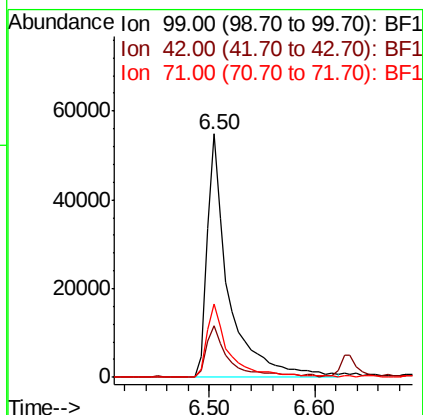
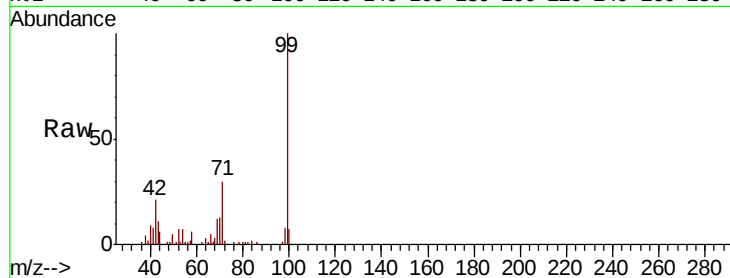
ClientSampleId :

OK-03-050919DL

Tot Ion:	99	Resp:	77474
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.9	26.9
71	30.1	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

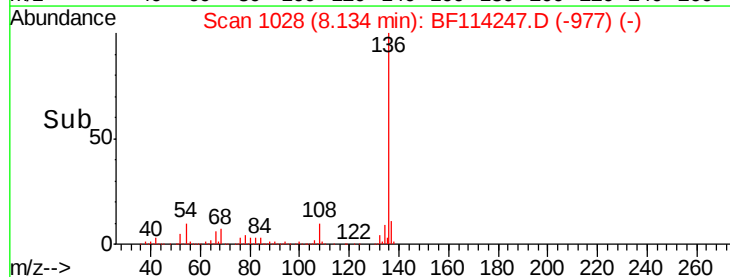
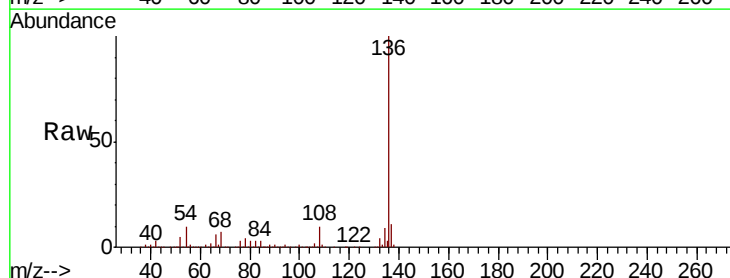
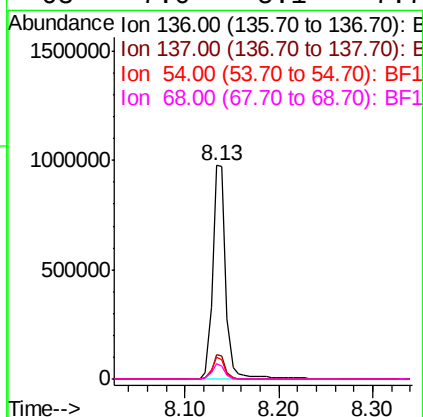
RT: 8.13 min Scan# 1028

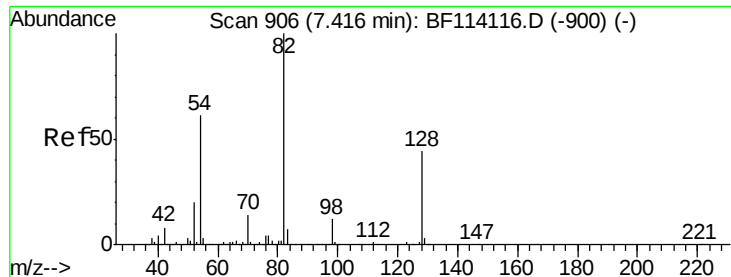
Delta R.T. 0.00 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Tgt Ion:	136	Resp:	979749
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.3	7.8	11.8
68	7.0	5.1	7.7





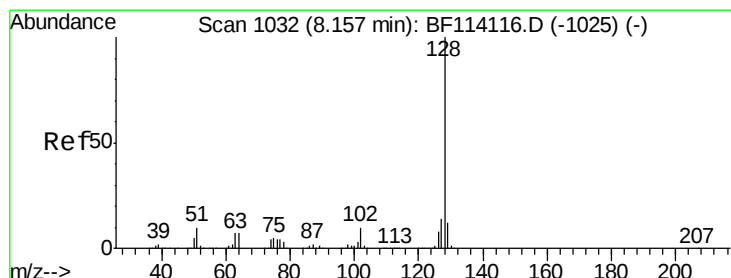
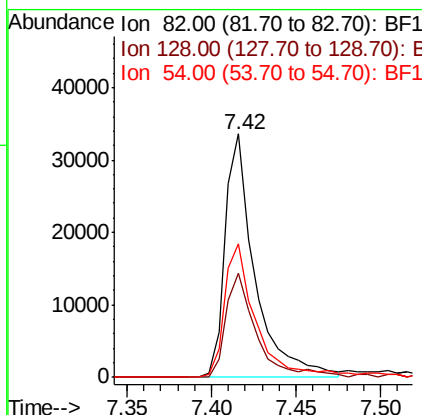
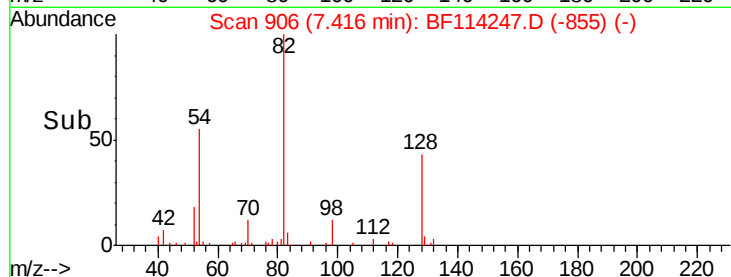
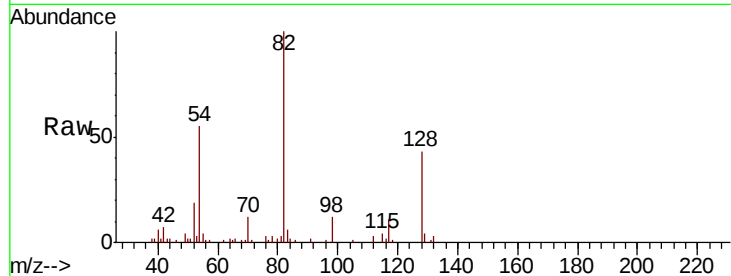
#23
Nitrobenzene-d5
Concen: 2.368 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.5	53.3
54	55.0	48.5	72.7

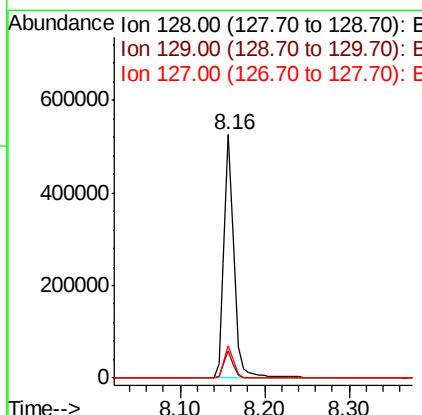
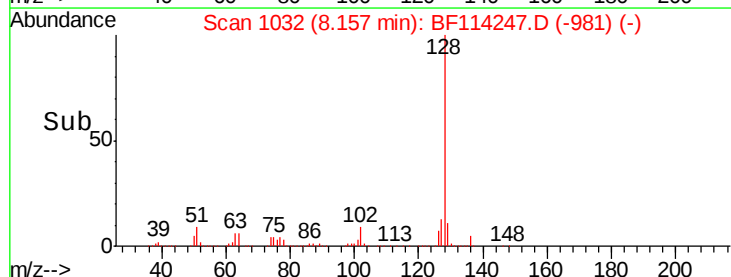
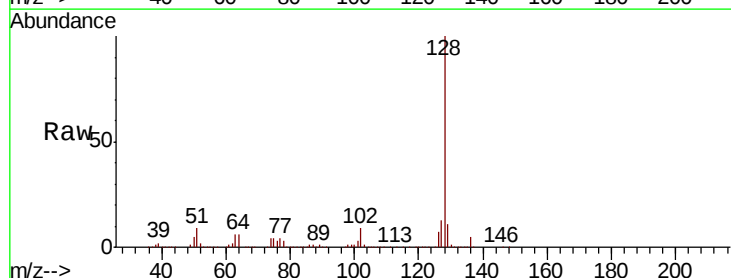
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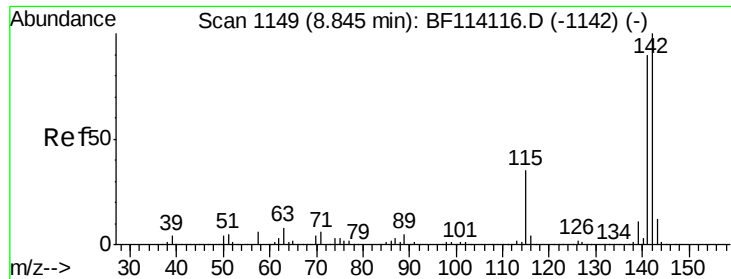
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#31
Naphthalene
Concen: 9.737 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	13.2	11.3	16.9





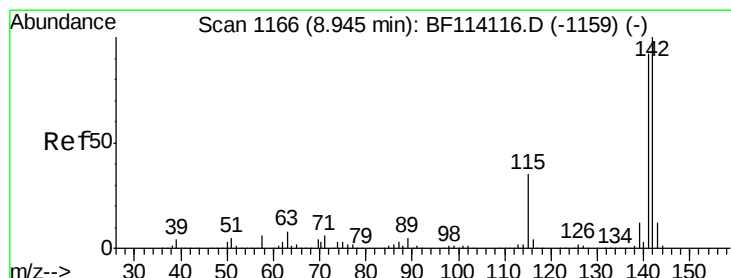
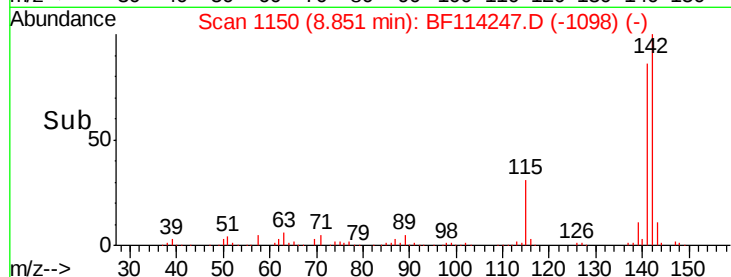
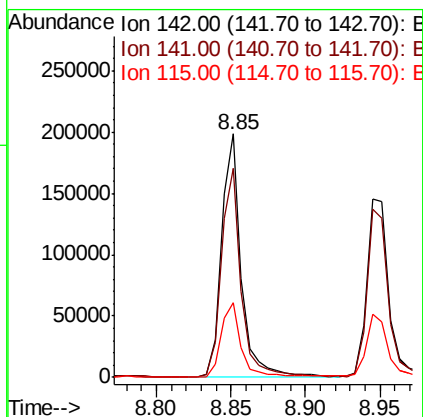
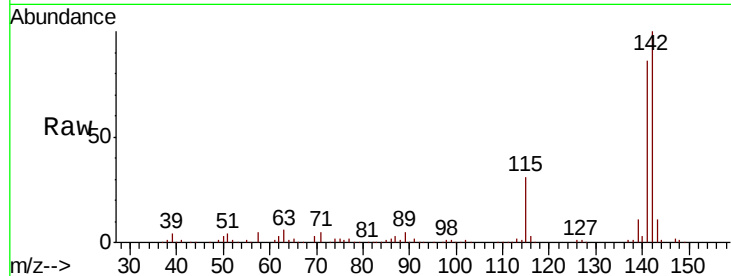
#37
2-Methylnaphthalene
Concen: 6.286 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleID :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	72.1	108.1
115	30.8	28.0	42.0

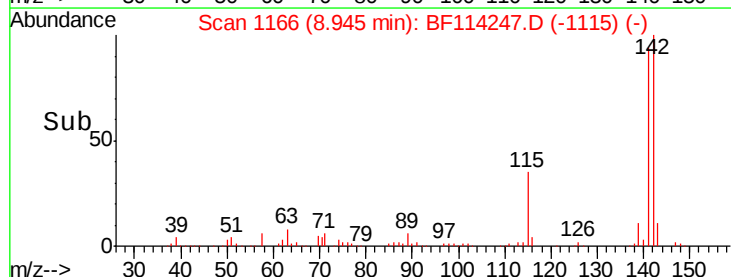
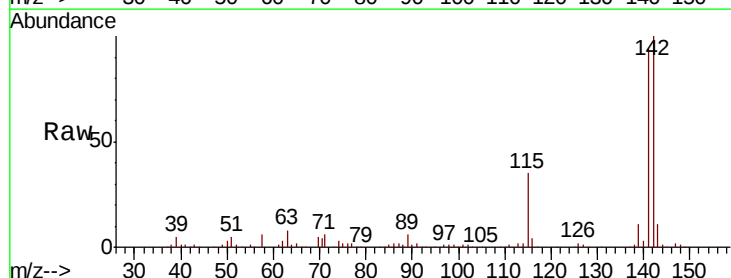
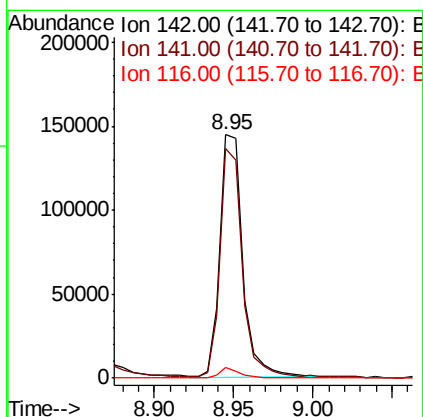
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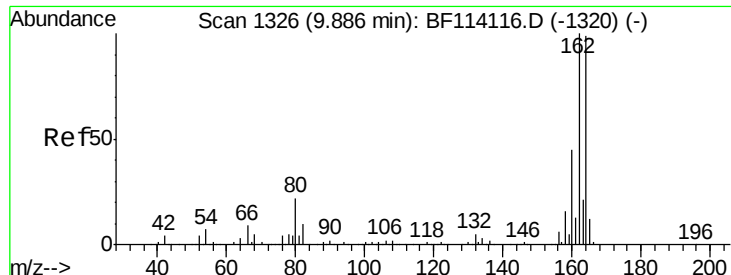
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#38
1-Methylnaphthalene
Concen: 5.215 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.3	73.4	110.0
116	4.3	3.1	4.7





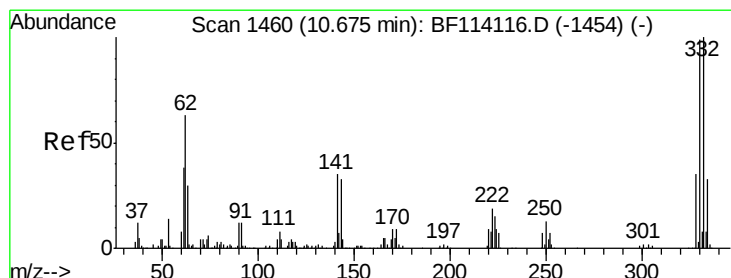
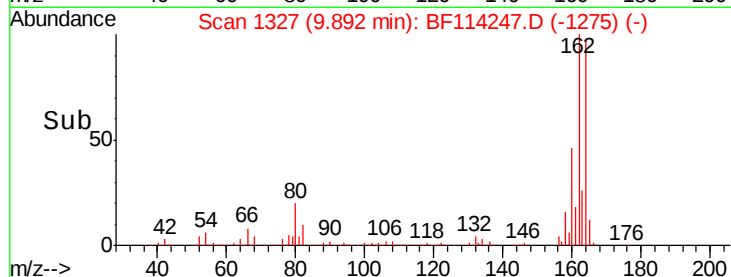
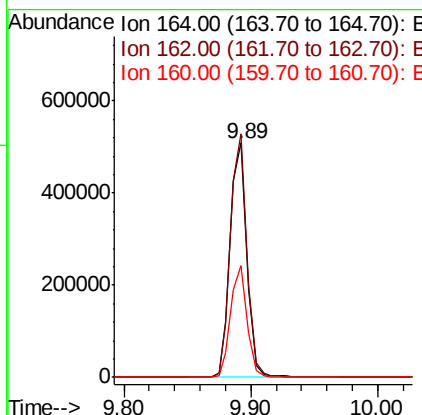
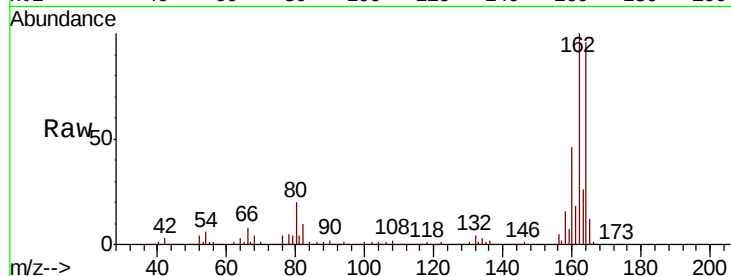
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	80.6	120.8	
160	47.7	36.5	54.7	

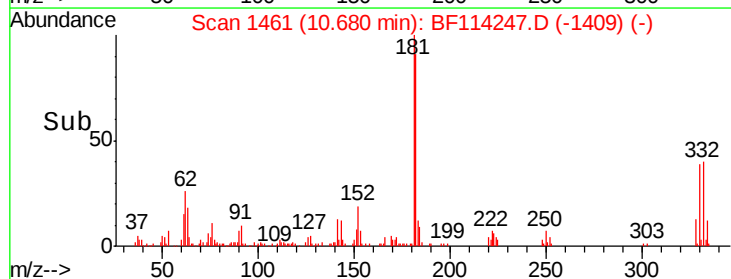
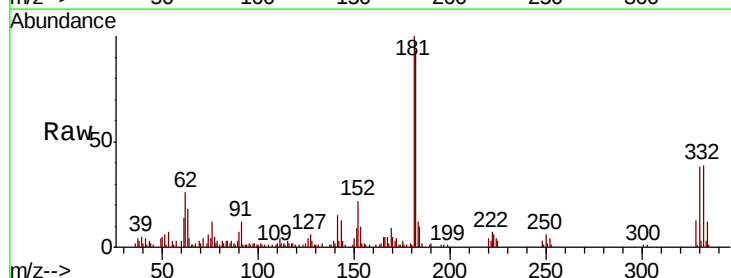
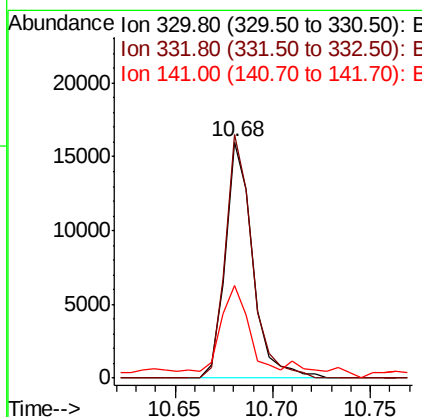
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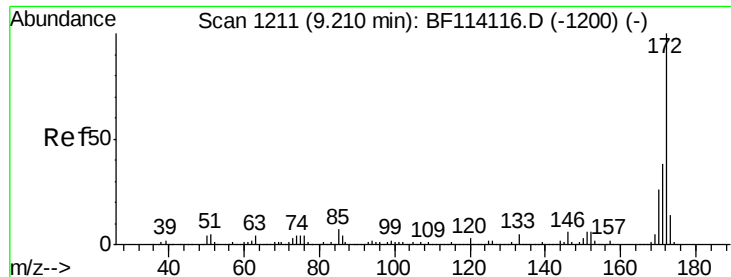
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#42
2,4,6-Tribromophenol
Concen: 3.270 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.0	81.4	122.2	
141	35.0	26.6	40.0	





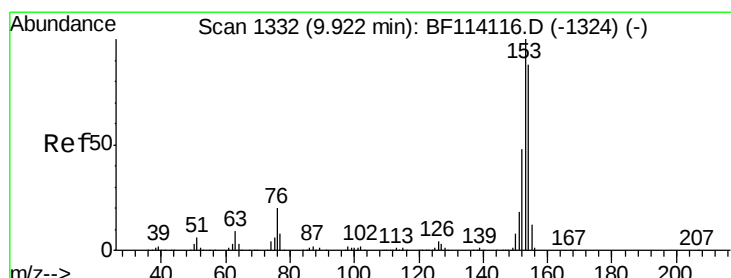
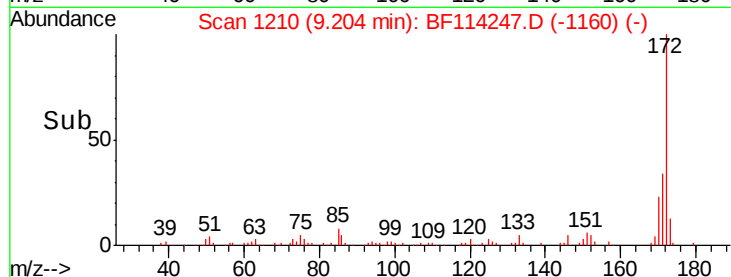
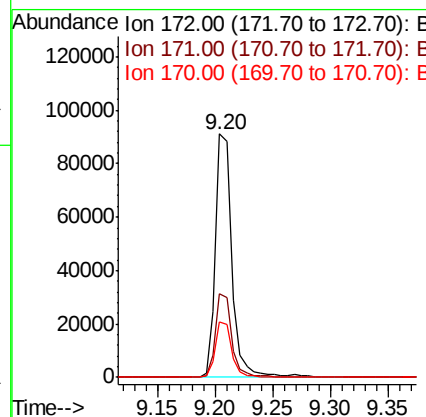
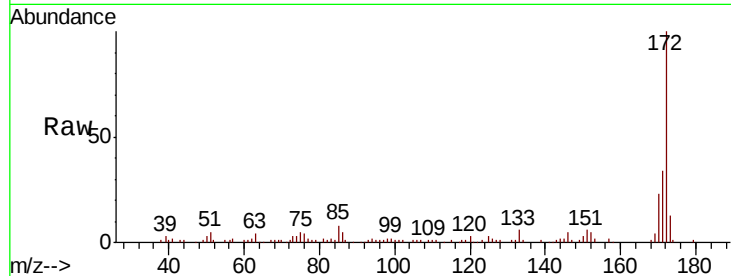
#45
2-Fluorobiphenyl
Concen: 2.980 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.7	46.1
170	22.8	20.5	30.7

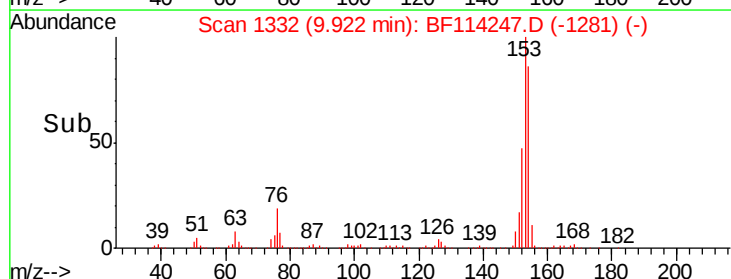
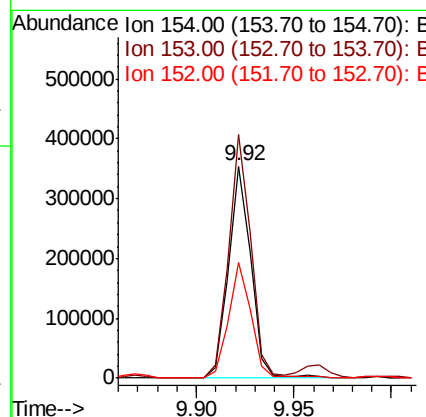
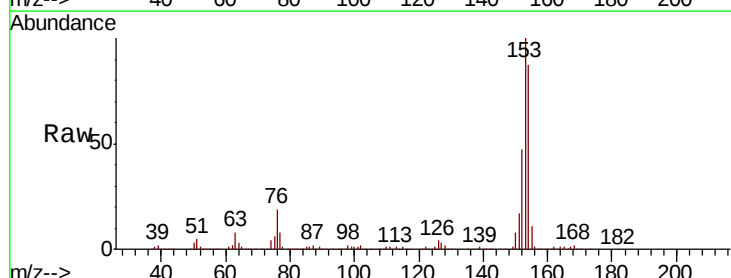
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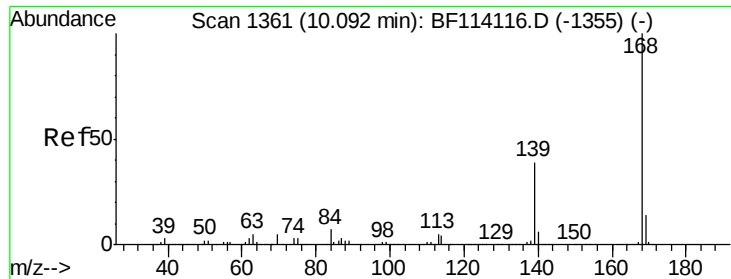
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#52
Acenaphthene
Concen: 10.011 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.9	90.5	135.7
152	54.3	43.4	65.2





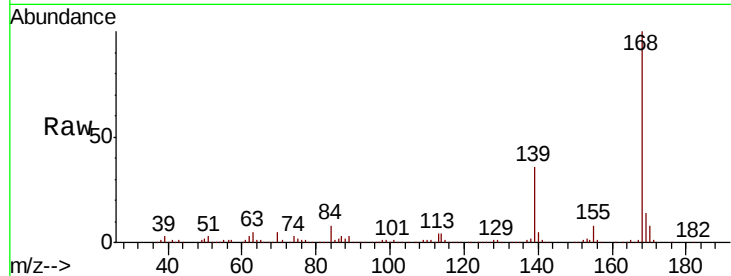
#55
Dibenzofuran
Concen: 6.571 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.1	46.7
169	14.3	11.4	17.0

Manual Integrations
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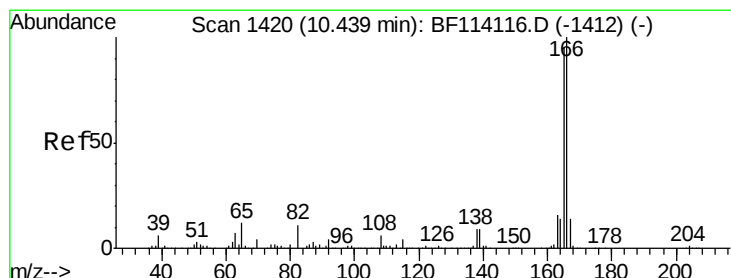
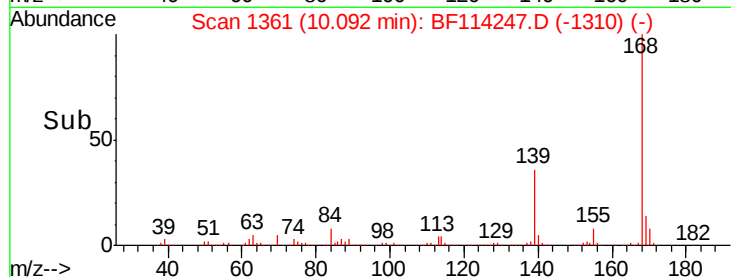
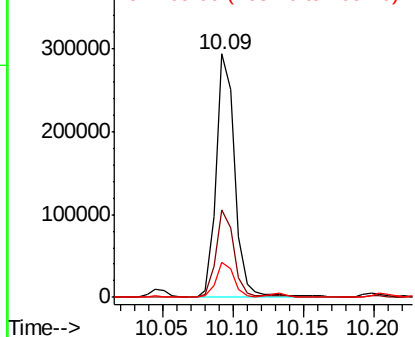


Abundance

Ion 168.00 (167.70 to 168.70): E

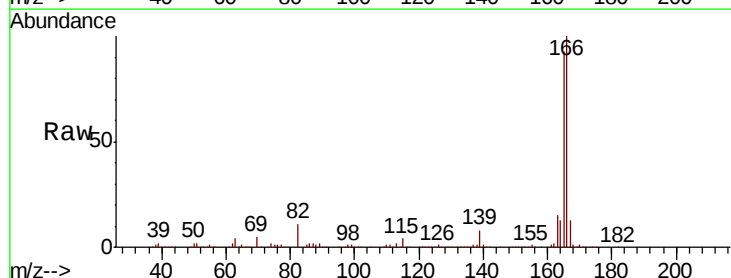
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 12.430 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.7	76.1	114.1
167	13.4	11.1	16.7

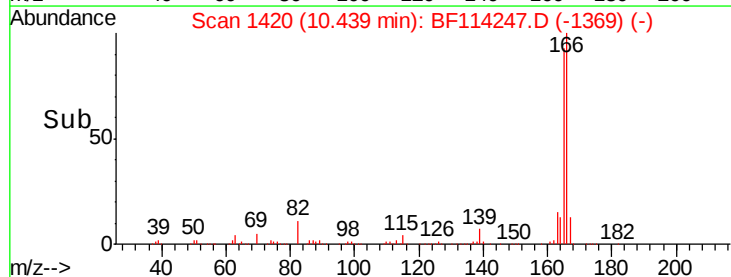
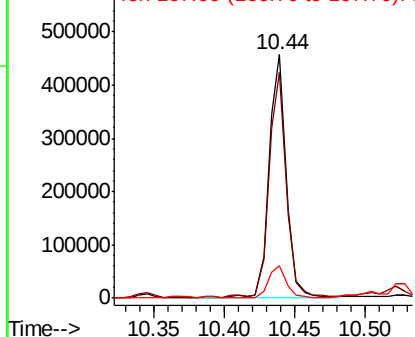


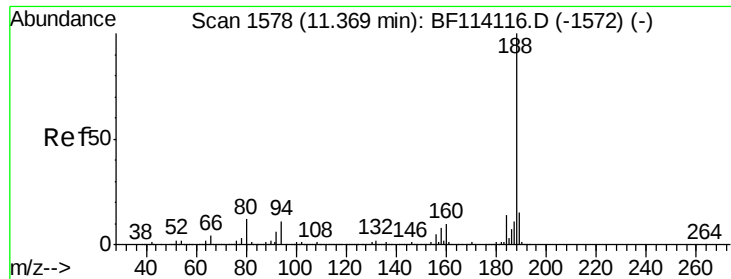
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





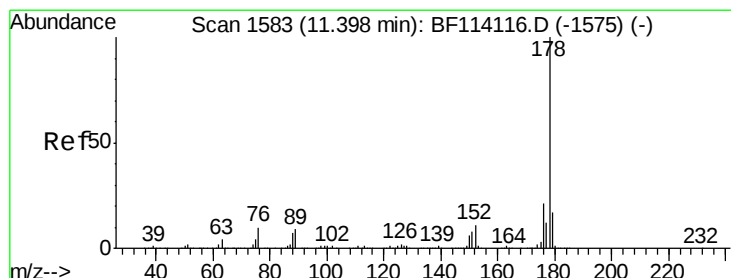
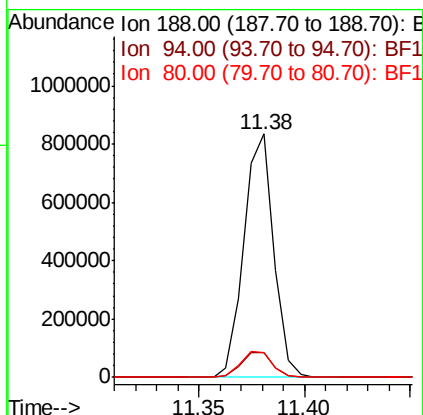
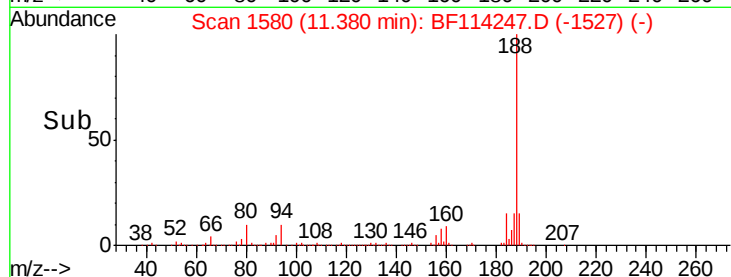
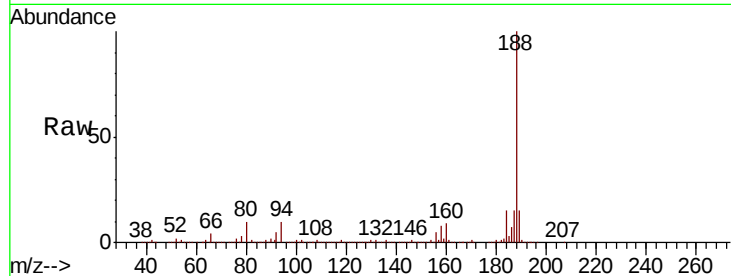
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	814962		
94	9.9		8.4	12.6
80	10.2		9.2	13.8

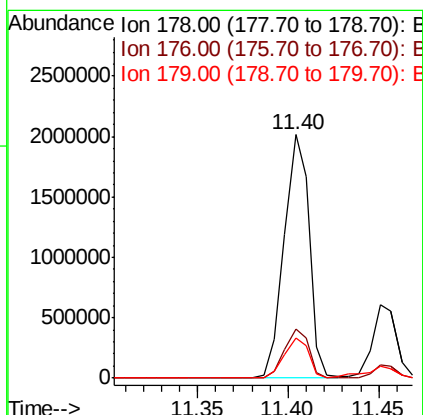
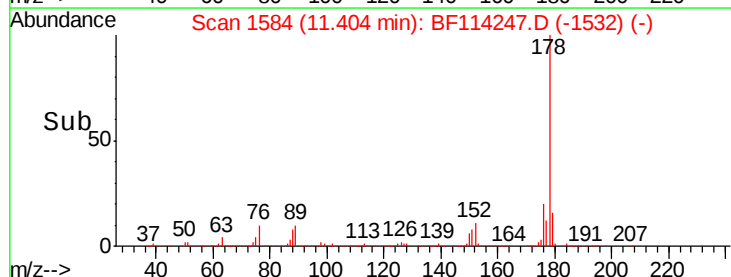
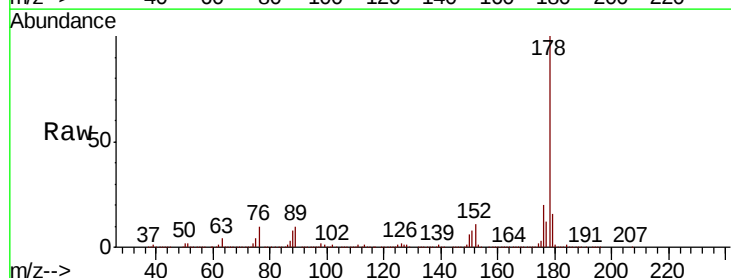
Manual Integrations
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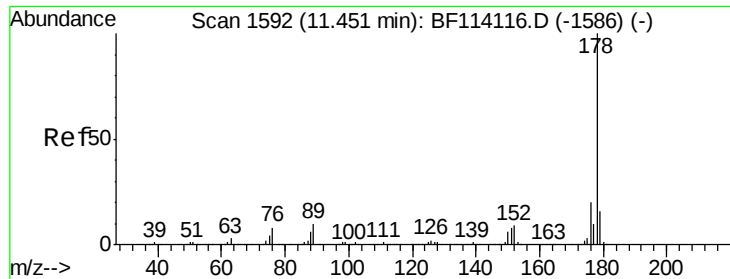
Sohil
5/14/2019 8:03:34 PM



#71
Phenanthrene
Concen: 49.145 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1948545		
176	20.2		16.4	24.6
179	16.3		13.2	19.8





#72

Anthracene

Concen: 13.533 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Instrument :

BNA_F

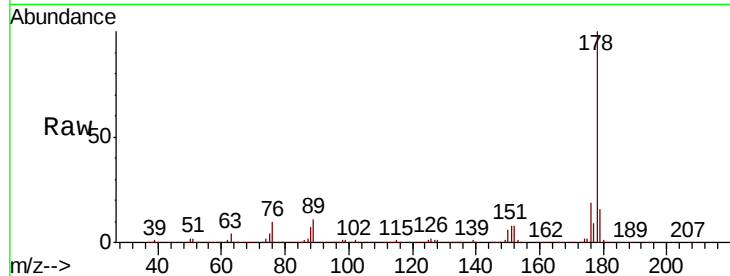
ClientSampleID :

OK-03-050919DL

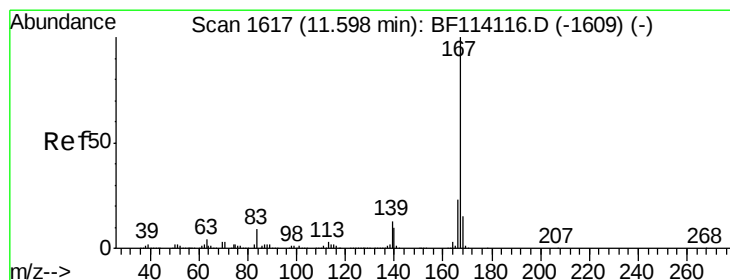
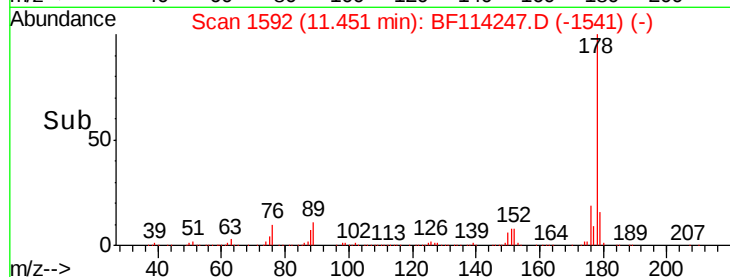
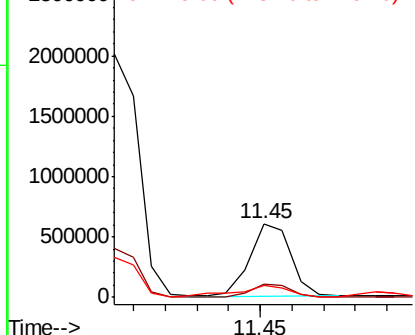
Tot Ion:	178	Resp:	538946
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.7	13.0	19.4

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5/14/2019 8:03:34 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 6.386 ng

RT: 11.61 min Scan# 1619

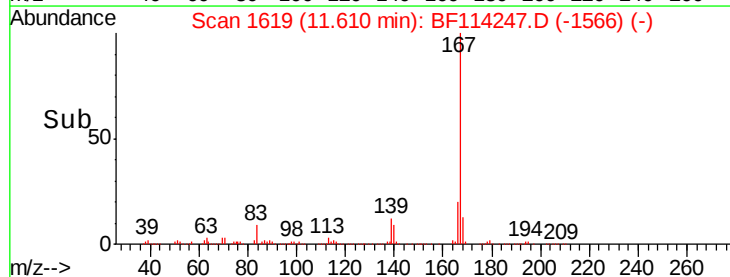
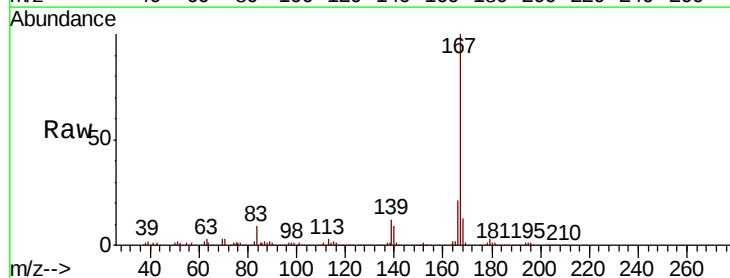
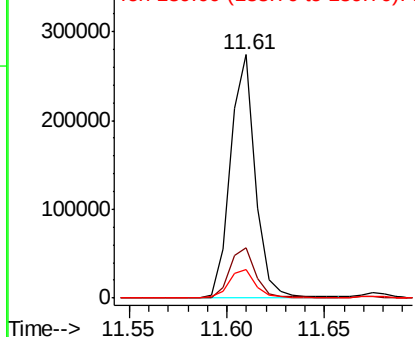
Delta R.T. 0.01 min

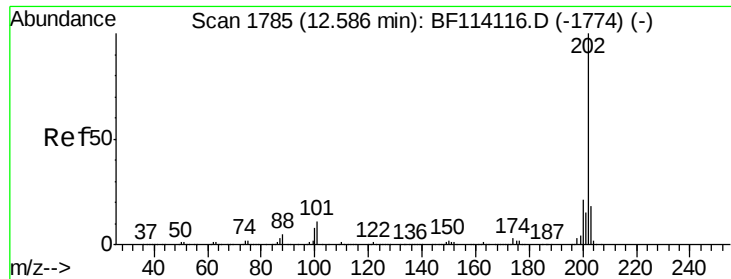
Lab File: BF114247.D

Acq: 14 May 2019 00:06

Tgt Ion:	167	Resp:	242506
Ion Ratio	Lower	Upper	
167	100		
166	20.5	18.2	27.2
139	11.9	10.6	16.0

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 42.107 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Instrument :

BNA_F

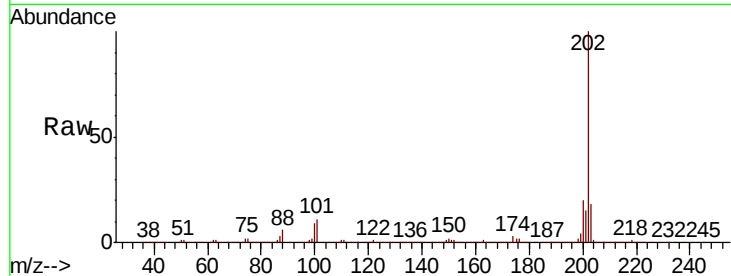
ClientSampleId :

OK-03-050919DL

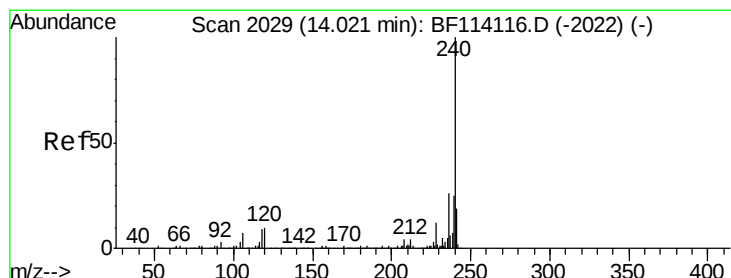
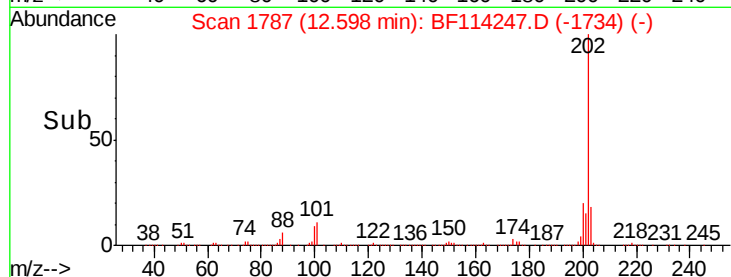
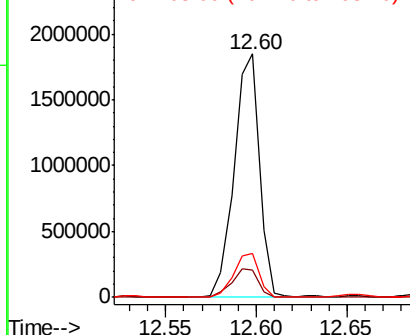
Tot Ion:	202	Resp:	1797853
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	18.1	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

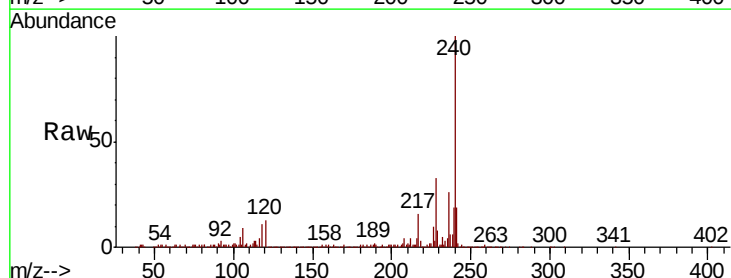
RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

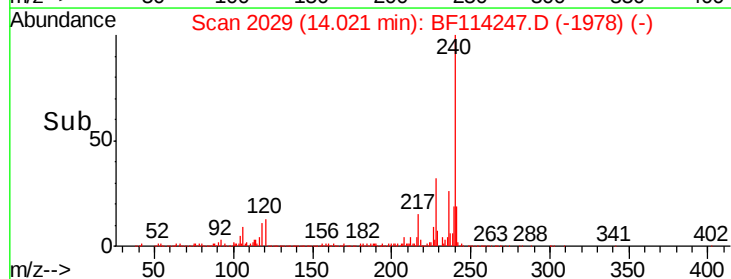
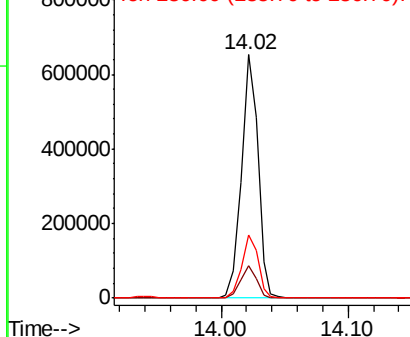
Lab File: BF114247.D

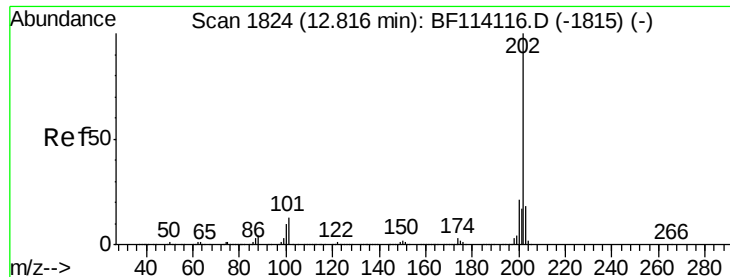
Acq: 14 May 2019 00:06

Tgt Ion:	240	Resp:	580762
Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	26.0	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





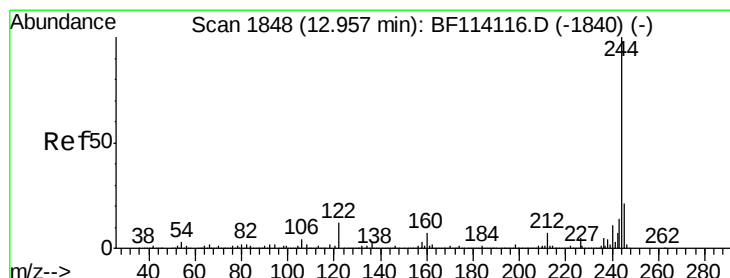
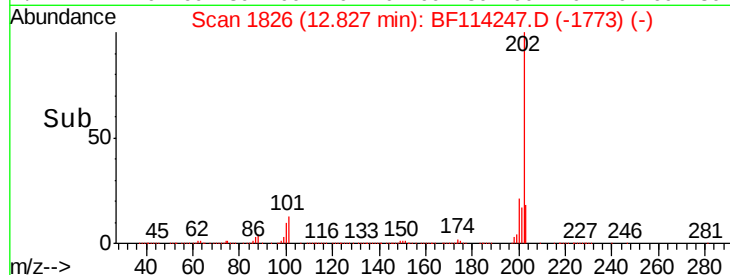
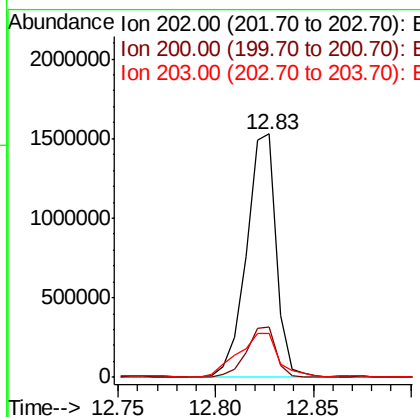
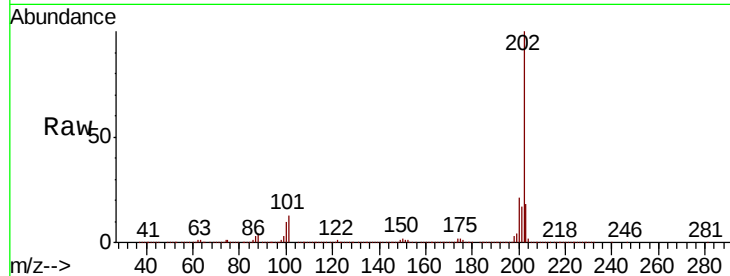
#78
Pvrene
Concen: 34.552 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.1	14.5	21.7

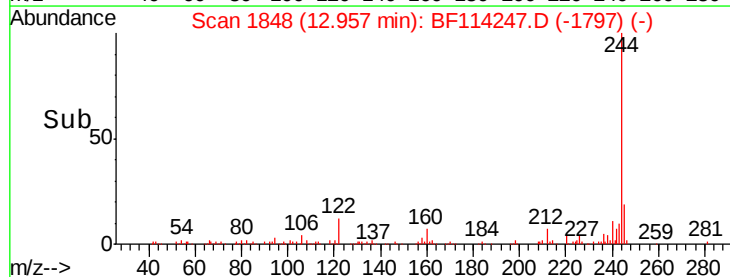
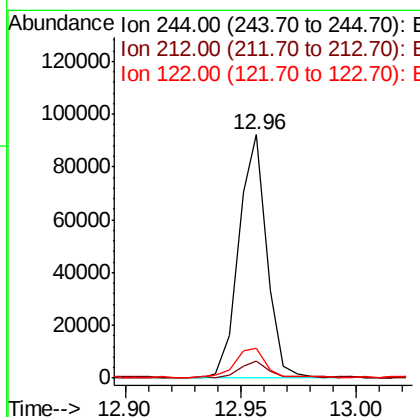
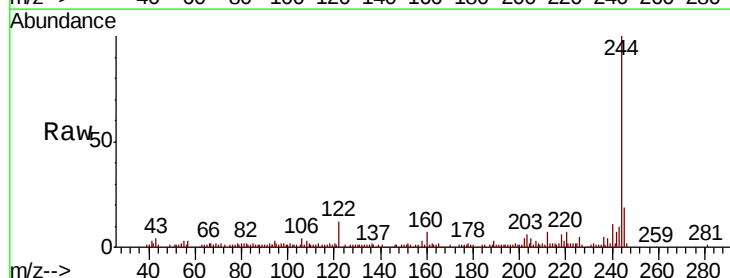
Manual Integrations
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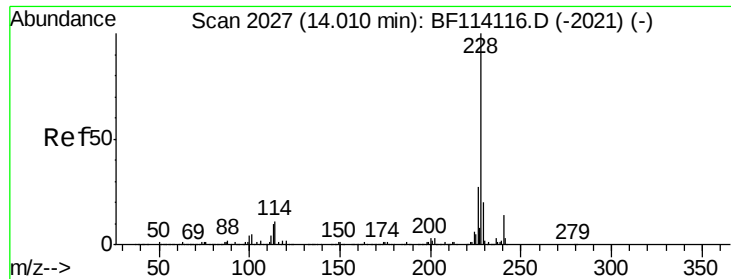
Sohil
5/14/2019 8:03:34 PM



#79
Terphenyl-d14
Concen: 2.754 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	12.3	9.4	14.2





#81

Benzo(a)anthracene

Concen: 19.169 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Instrument :

BNA_F

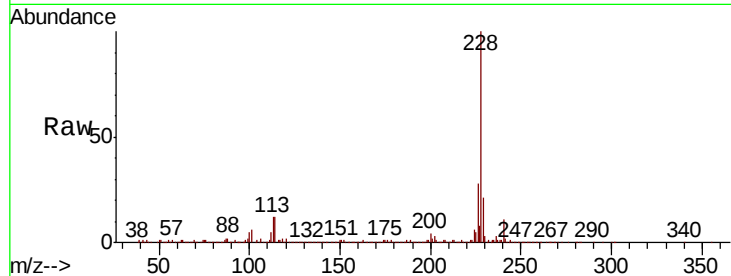
ClientSampleId :

OK-03-050919DL

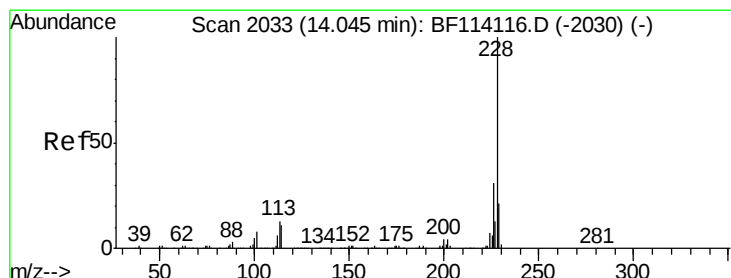
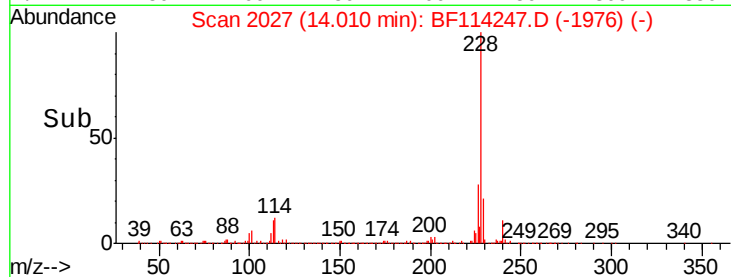
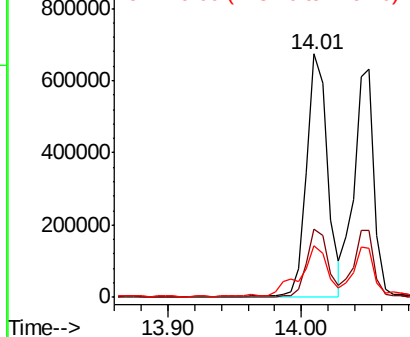
Tot Ion:	228	Resp:	720037
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.2	33.2
229	21.1	16.4	24.6

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 18.000 ng

RT: 14.05 min Scan# 2034

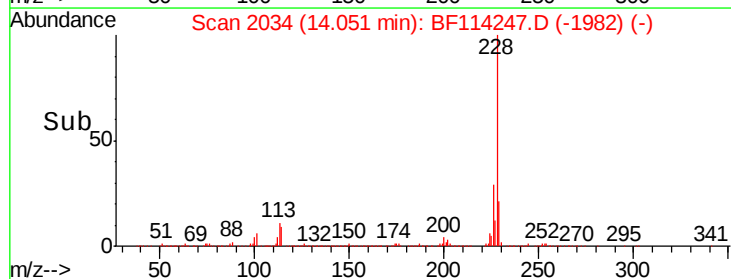
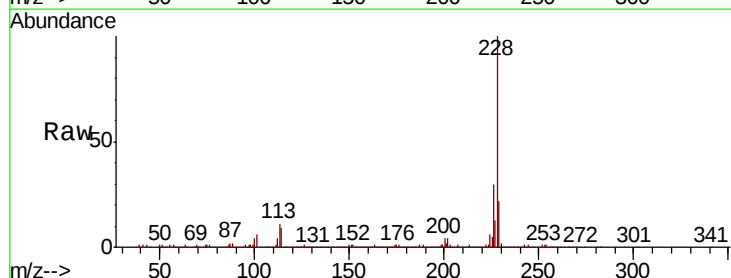
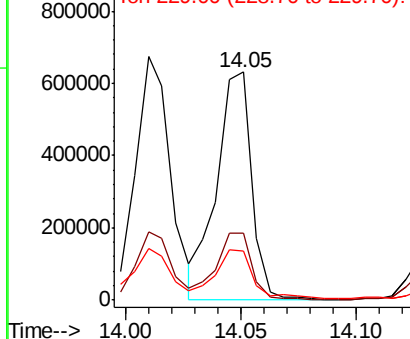
Delta R.T. 0.01 min

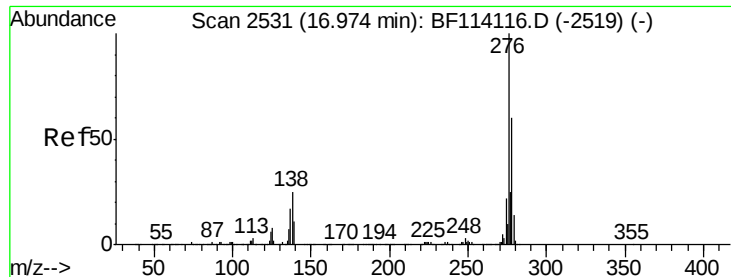
Lab File: BF114247.D

Acq: 14 May 2019 00:06

Tgt Ion:	228	Resp:	662823
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	21.6	17.0	25.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





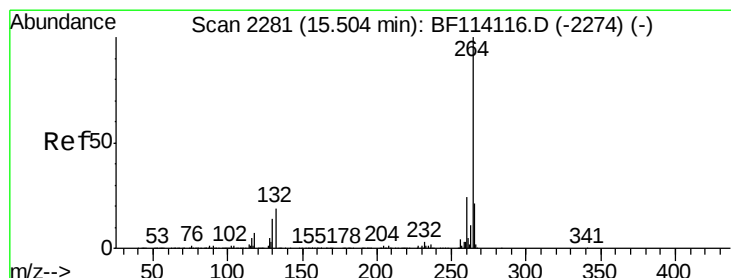
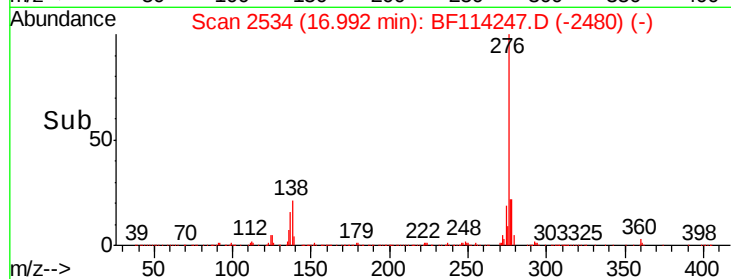
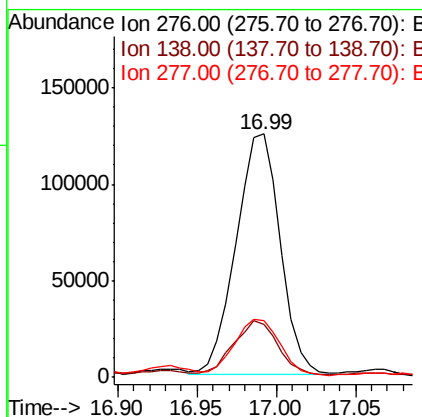
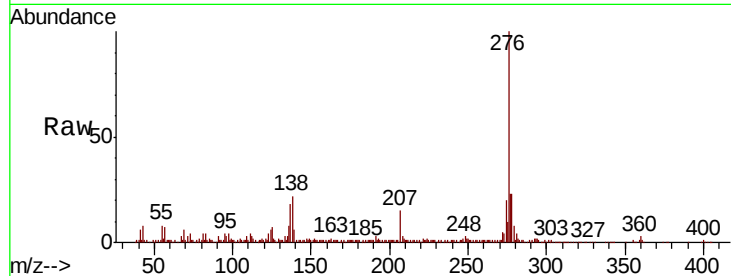
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.419 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.02 min
 Lab File: BF114247.D
 Acq: 14 May 2019 00:06

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-050919DL

Tot Ion:	276	Resp:	241446
Ion Ratio	Lower	Upper	
276	100		
138	22.4	20.2	30.2
277	23.4	20.0	30.0

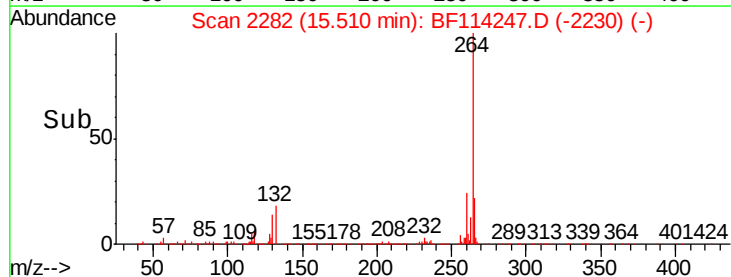
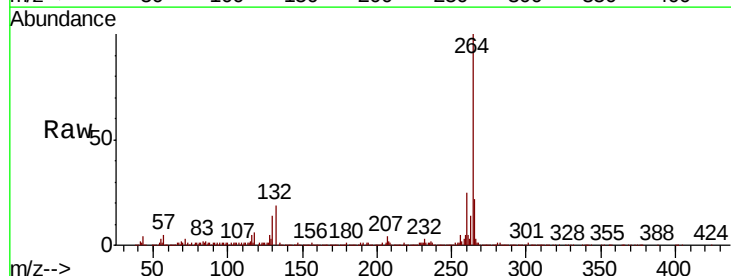
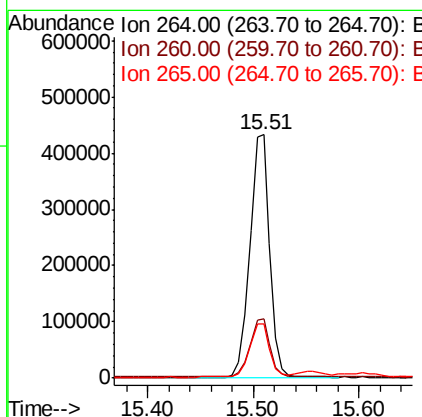
Manual Integrations
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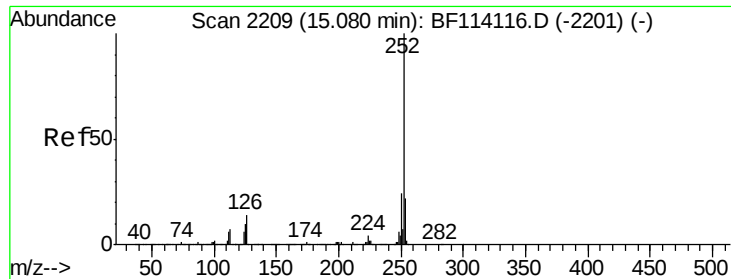
Sohil
 5/14/2019 8:03:34 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. 0.01 min
 Lab File: BF114247.D
 Acq: 14 May 2019 00:06

Tgt Ion:	264	Resp:	571552
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.0
265	22.0	16.9	25.3





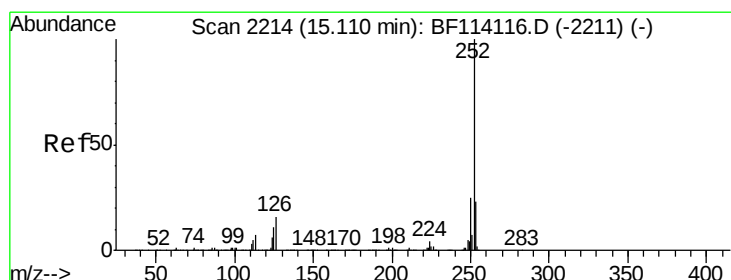
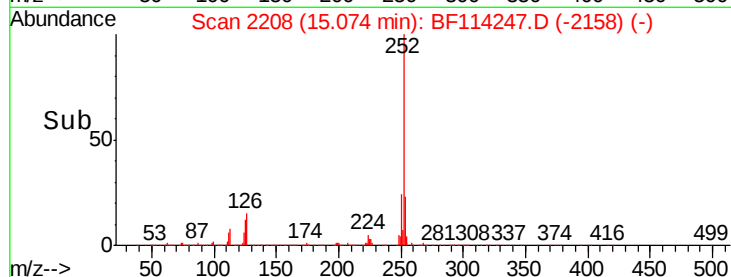
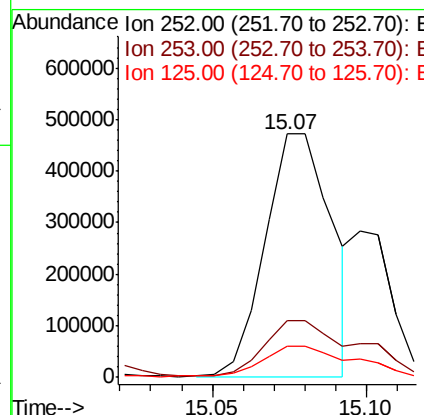
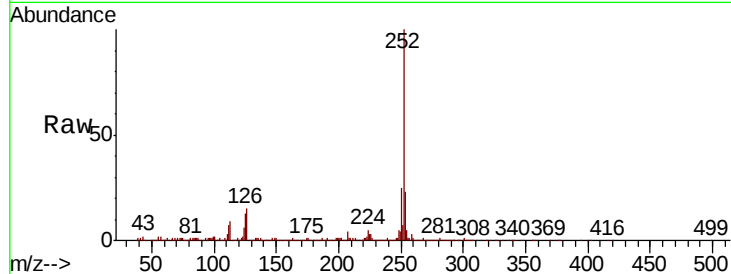
#88
Benzo(b)fluoranthene
Concen: 19.461 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.6	8.3	12.5#

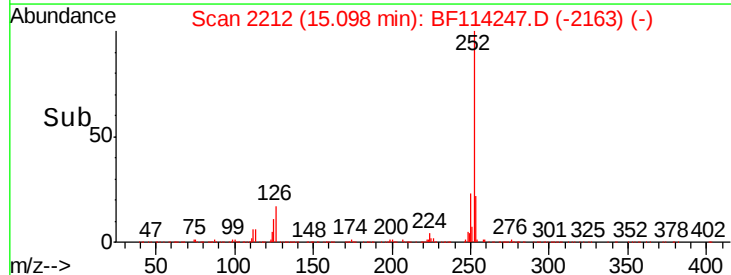
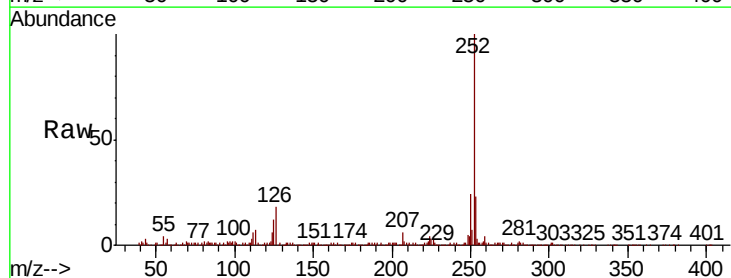
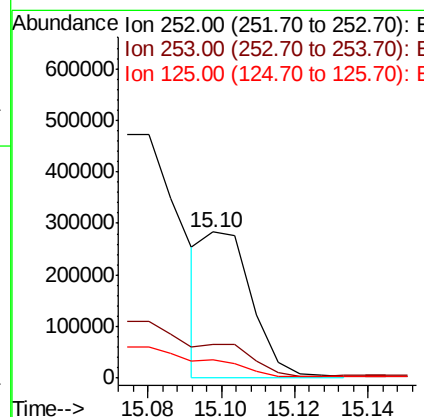
Manual Integrations
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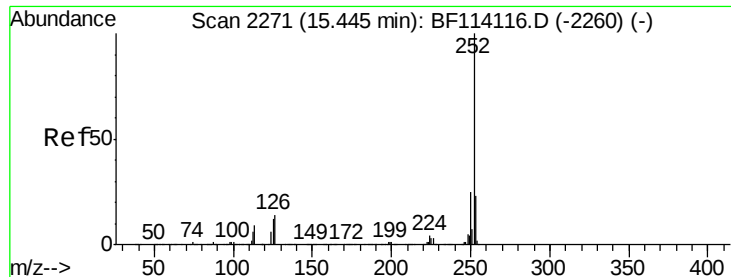
Sohil
5/14/2019 8:03:34 PM



#89
Benzo(k)fluoranthene
Concen: 7.647 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.2	8.6	13.0





#90

Benzo(a)pyrene

Concen: 16.127 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Instrument :

BNA_F

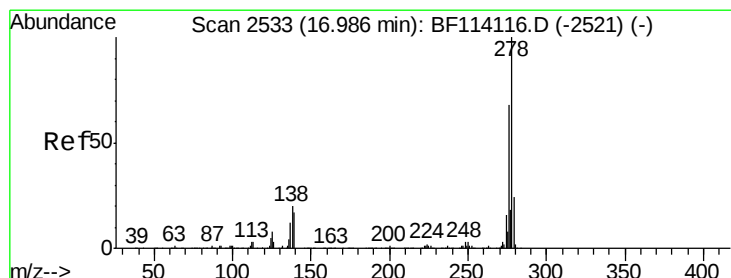
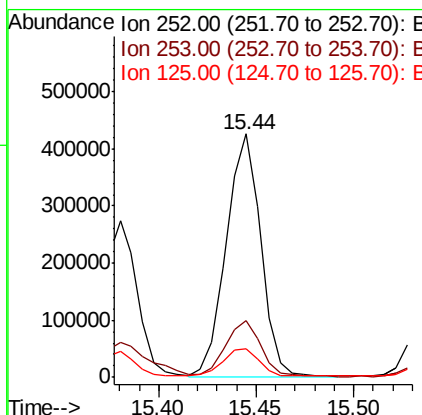
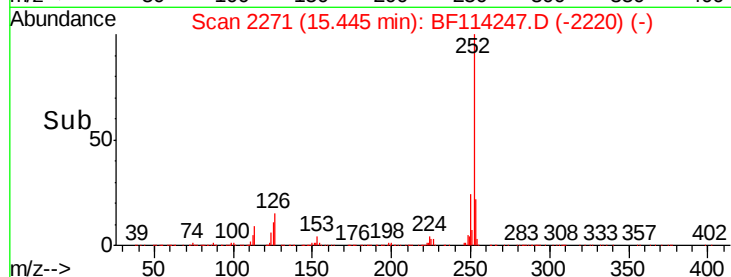
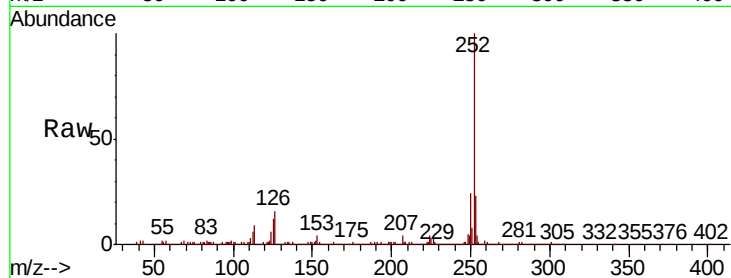
ClientSampleId :

OK-03-050919DL

Tot Ion:	252	Resp:	519711
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	11.9	9.5	14.3

Manual Integrations
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5/14/2019 8:03:34 PM



#91

Dibenzo(a,h)anthracene

Concen: 2.244 ng

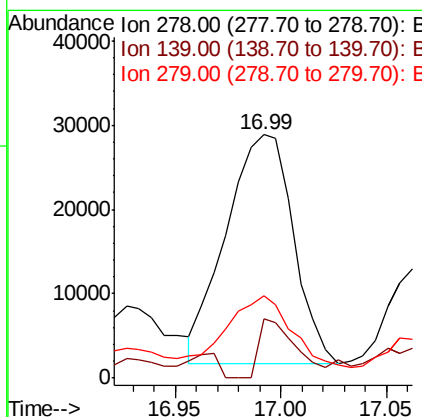
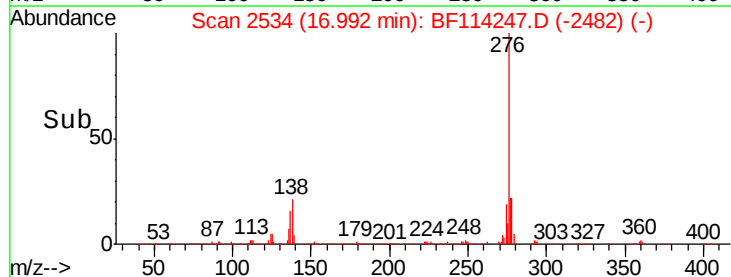
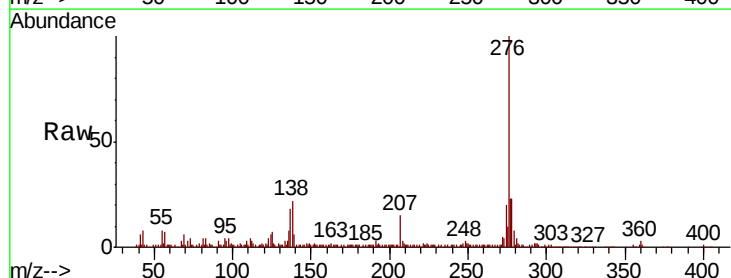
RT: 16.99 min Scan# 2534

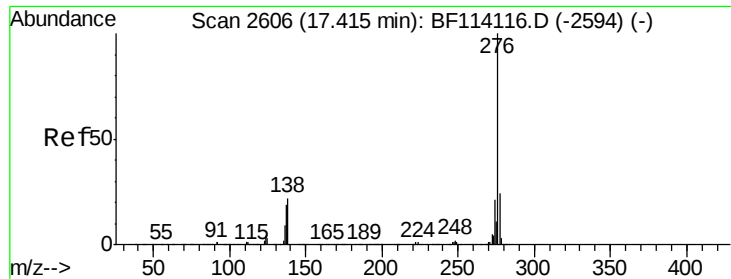
Delta R.T. 0.01 min

Lab File: BF114247.D

Acq: 14 May 2019 00:06

Tgt Ion:	278	Resp:	60085
Ion Ratio	Lower	Upper	
278	100		
139	24.3	13.5	20.3#
279	33.9	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 8.797 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.02 min
 Lab File: BF114247.D
 Acq: 14 May 2019 00:06

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-050919DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	21.9	17.8	26.6

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:34 PM

