

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114232.D
 Acq On : 13 May 2019 16:42
 Operator : JU/SJ
 Sample : K2765-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-01

Manual Integrations
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 5/14/2019 8:03:16 PM

Quant Time: May 14 05:39:57 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	258464	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	969441	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	457288	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	837488	20.00	ng	0.01
76) Chrysene-d12	14.04	240	427238	20.00	ng	0.02
87) Perylene-d12	15.54	264	580830	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1640022	102.11	ng	0.01
7) Phenol-d6	6.51	99	2196515	115.63	ng	0.02
23) Nitrobenzene-d5	7.42	82	1444957	83.65	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	434499	91.91	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1821365	60.25	ng	0.00
79) Terphenyl-d14	12.96	244	1413312	68.19	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	674262	14.890	ng	98
37) 2-Methylnaphthalene	8.85	142	273409	9.358	ng	93
38) 1-Methylnaphthalene	8.95	142	171820	6.245	ng	99
46) 1,1'-Biphenyl	9.31	154	111729	3.024	ng	97
49) Acenaphthylene	9.75	152	1273213	28.156	ng	99
50) Dimethylphthalate	9.60	163	455946	13.582	ng	99
58) Fluorene	10.44	166	159950	5.089	ng	# 54
71) Phenanthrene	11.41	178	3265607	80.148	ng	98
72) Anthracene	11.46	178	766772	18.736	ng	98
75) Fluoranthene	12.61	202	4591800	104.652	ng	95
78) Pyrene	12.85	202	7155445	208.193	ng	93
81) Benzo(a)anthracene	14.03	228	3366550	121.828	ng	# 82
83) Chrysene	14.07	228	3309165	122.161	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	1769480	73.912	ng	96
88) Benzo(b)fluoranthene	15.12	252	3973220m	106.775	ng	
89) Benzo(k)fluoranthene	15.13	252	1293485m	37.841	ng	
90) Benzo(a)pyrene	15.48	252	2998494	91.560	ng	99
91) Dibenzo(a,h)anthracene	17.03	278	498924	18.334	ng	97
92) Benzo(a,h,i)perylene	17.49	276	1931466	70.824	ng	99

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

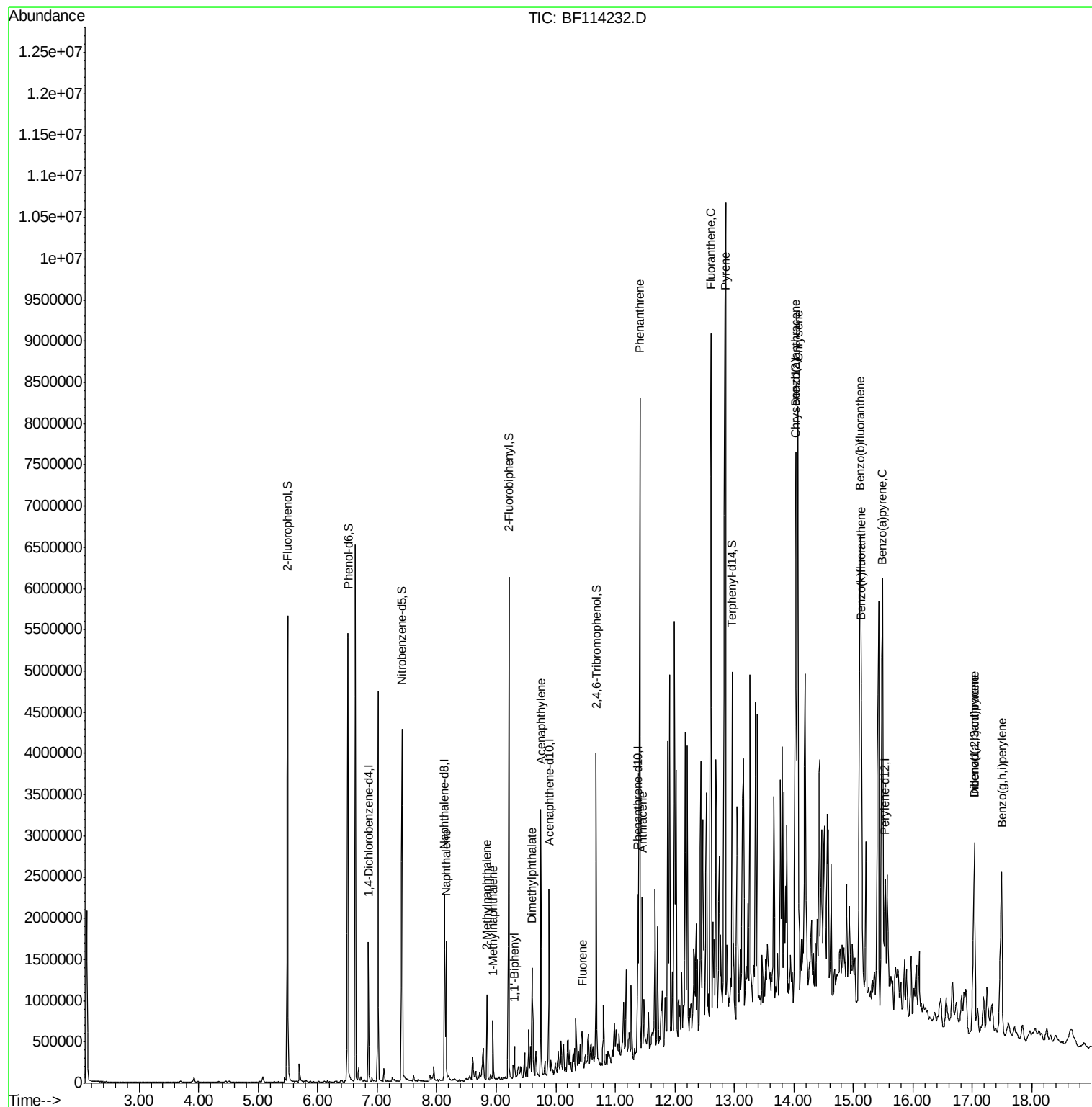
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
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ALS Vial : 13 Sample Multiplier: 1

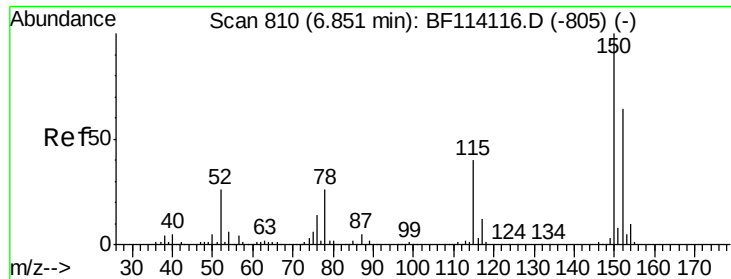
Instrument :
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ClientSampleId :
P026-SS006-0002-01

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Quant Time: May 14 05:39:57 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

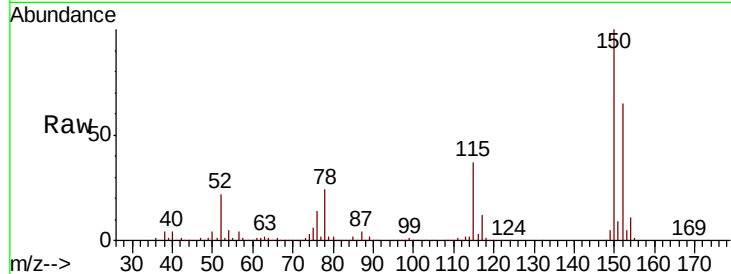
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.3	186.5
115	56.4	49.1	73.7

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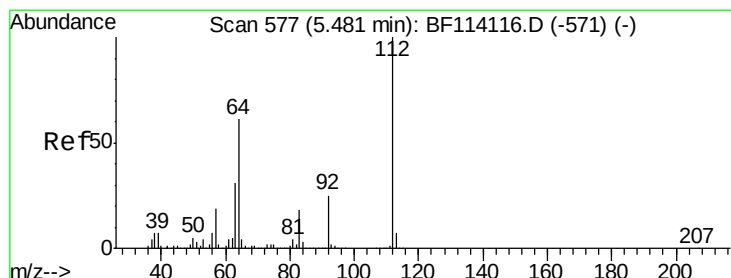
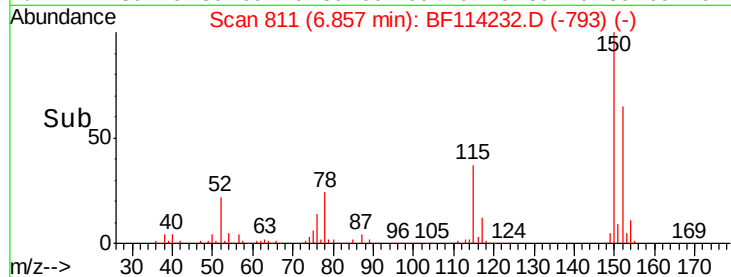
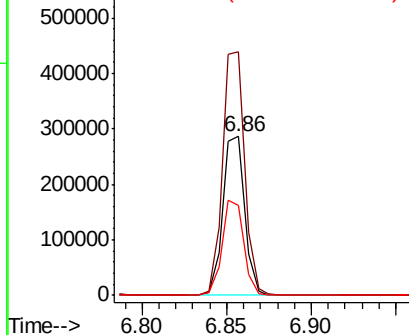


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

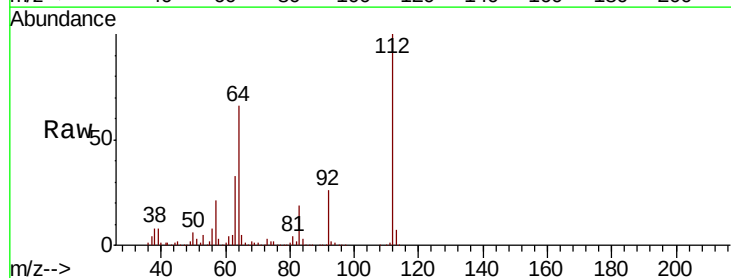
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.112 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	49.0	73.6
63	33.5	24.6	37.0

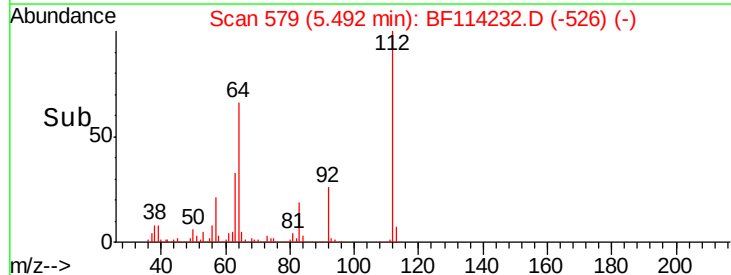
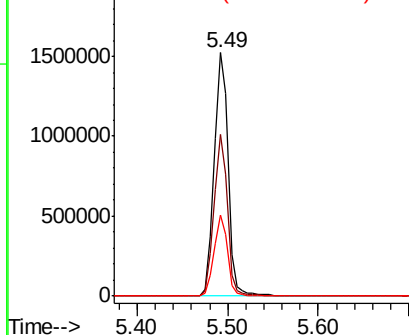


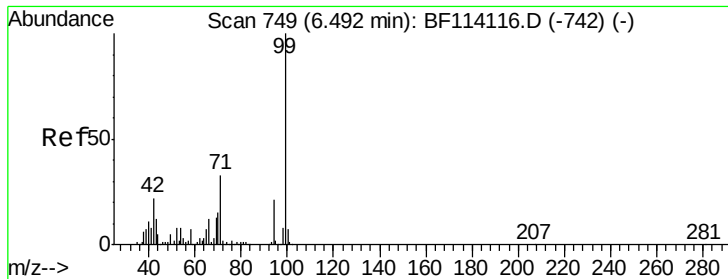
Abundance

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: 115.631 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0002-01

Tot Ion: 99 Resp: 2196515

Ion Ratio Lower Upper

99 100

42 20.9 17.9 26.9

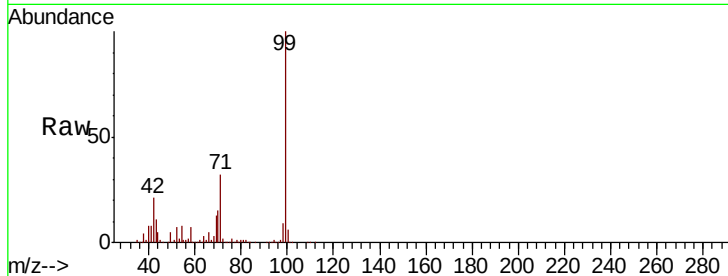
71 31.7 26.2 39.2

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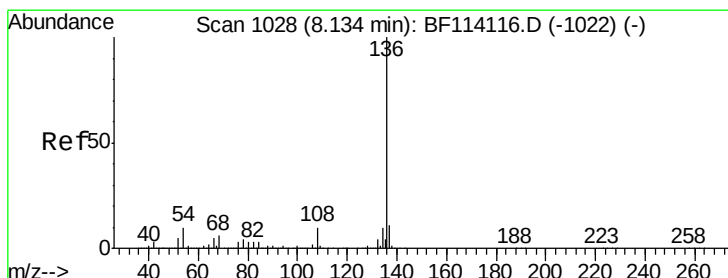
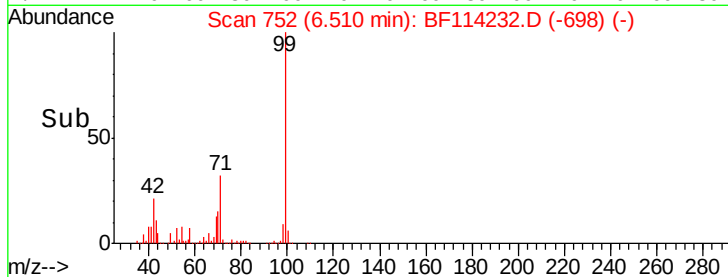
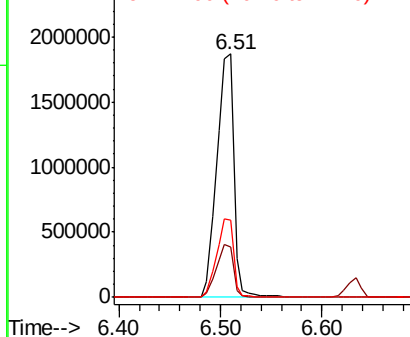
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

Tgt Ion: 136 Resp: 969441

Ion Ratio Lower Upper

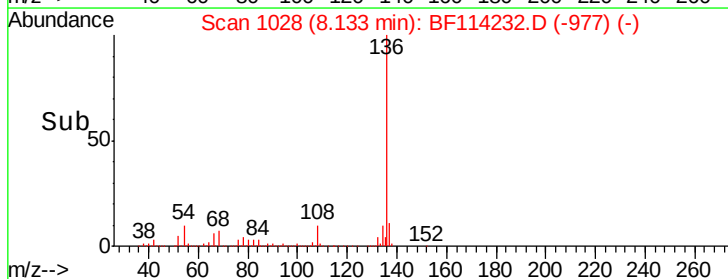
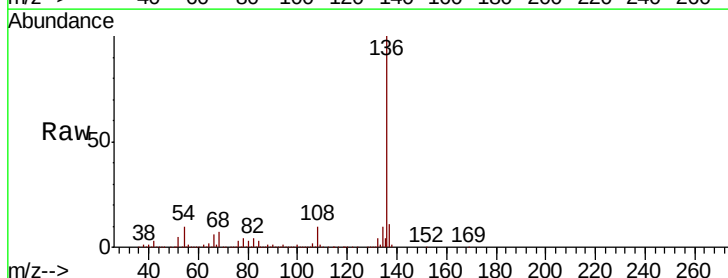
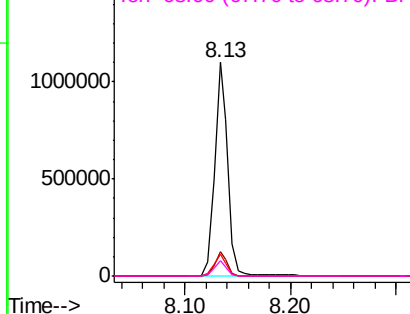
136 100

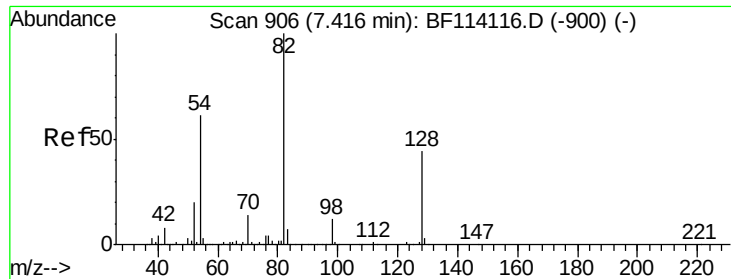
137 11.2 8.8 13.2

54 10.1 7.8 11.8

68 6.9 5.1 7.7

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): BF1
Ion 68.00 (67.70 to 68.70): BF1





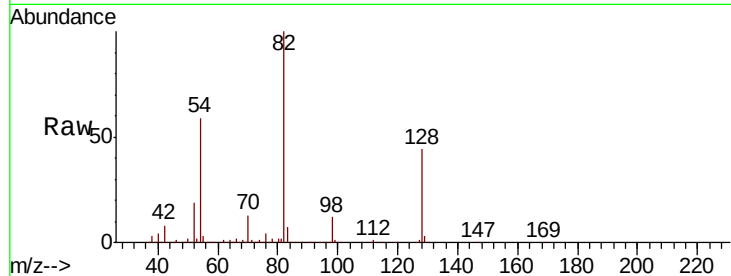
#23
 Nitrobenzene-d5
 Concen: 83.647 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114232.D
 Acq: 13 May 2019 16:42

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.5	53.3
54	59.4	48.5	72.7

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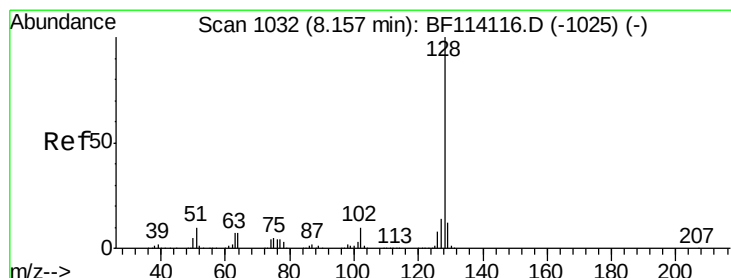
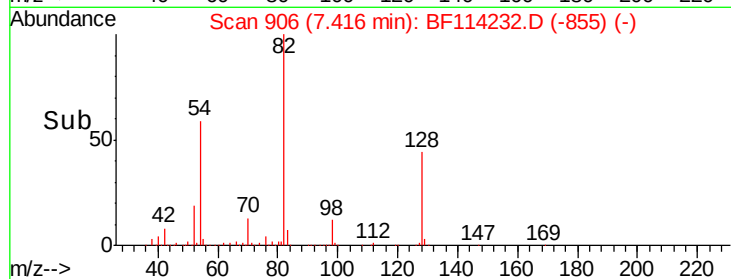
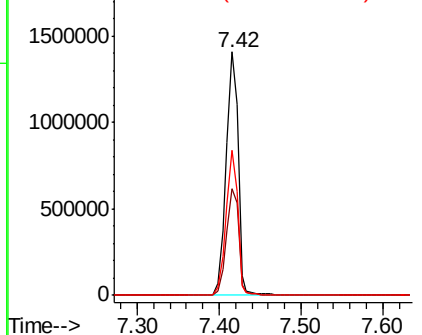


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
 Naphthalene
 Concen: 14.890 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF114232.D
 Acq: 13 May 2019 16:42

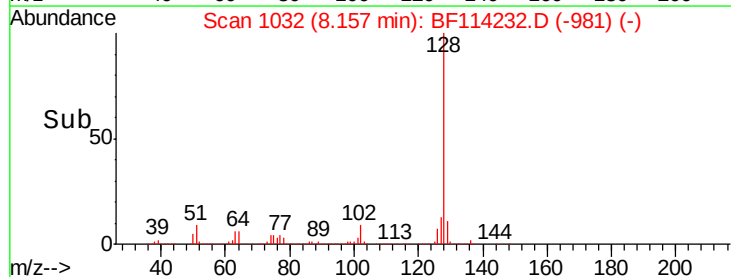
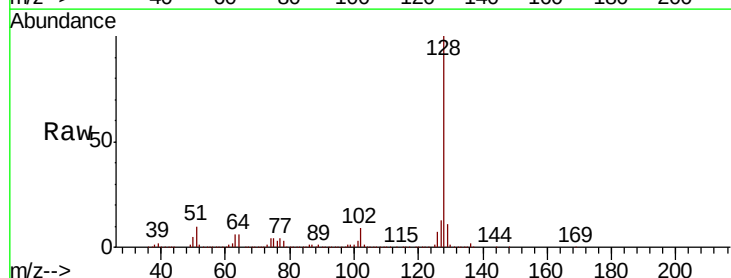
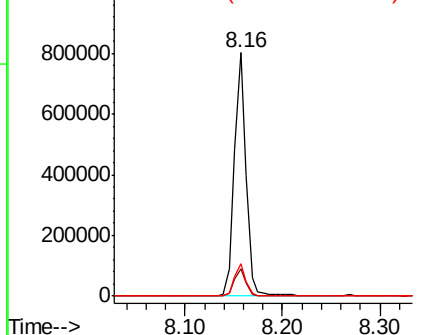
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	13.3	11.3	16.9

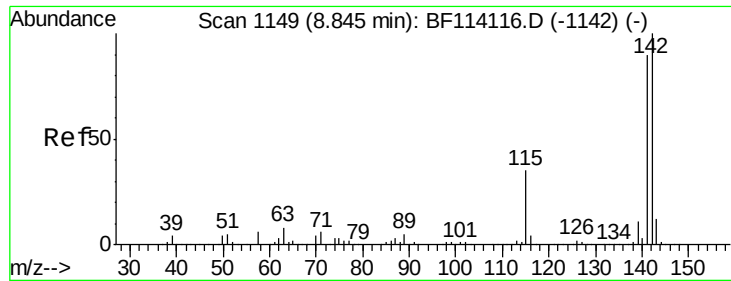
Abundance

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





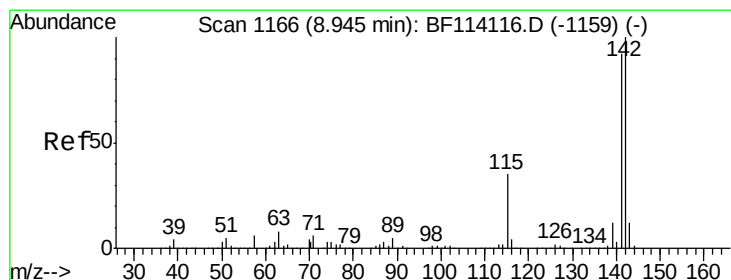
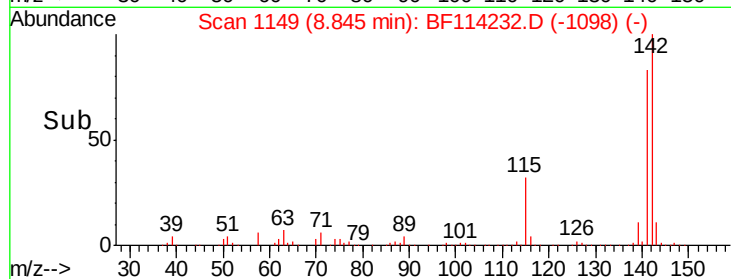
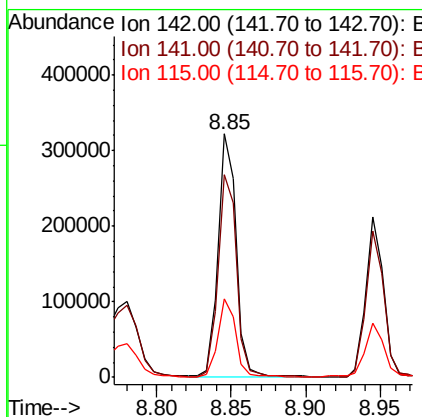
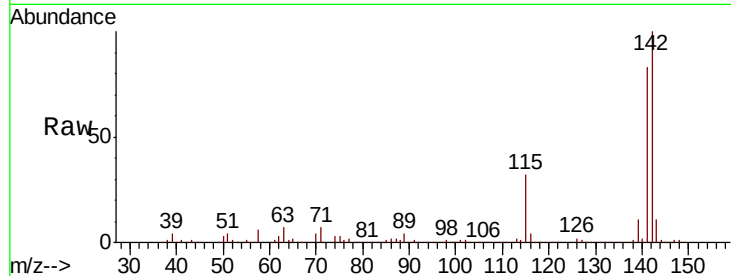
#37
2-Methylnaphthalene
Concen: 9.358 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.0	72.1	108.1
115	32.1	28.0	42.0

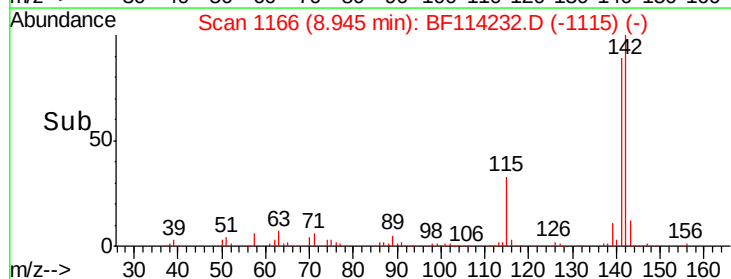
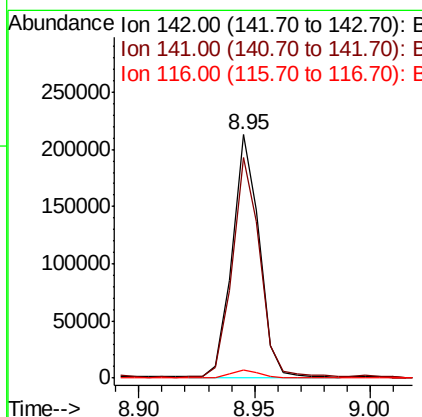
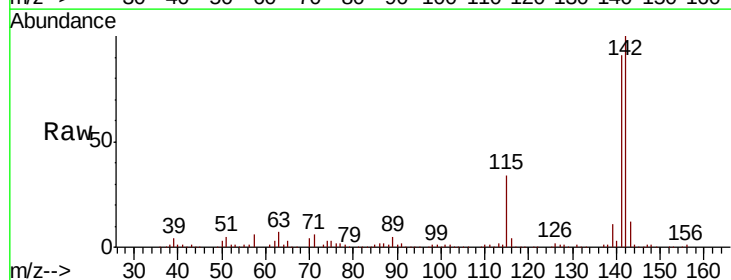
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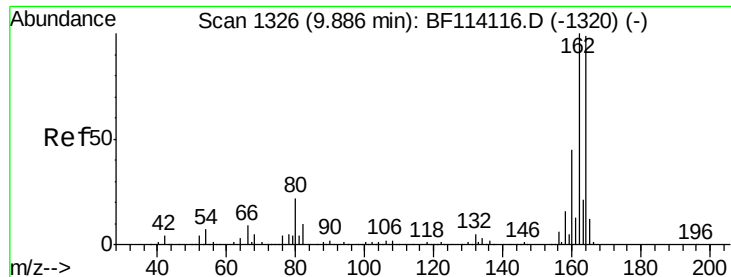
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#38
1-Methylnaphthalene
Concen: 6.245 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.4	110.0
116	3.6	3.1	4.7





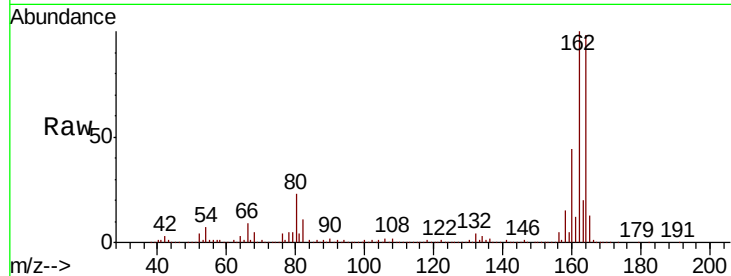
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

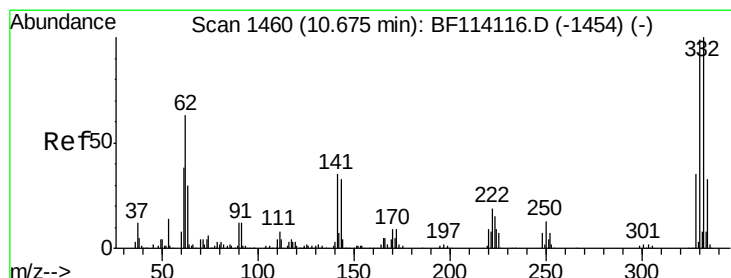
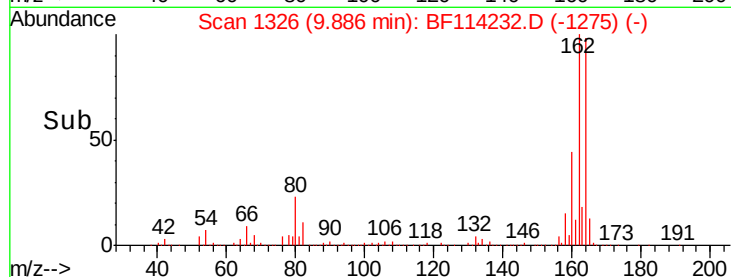
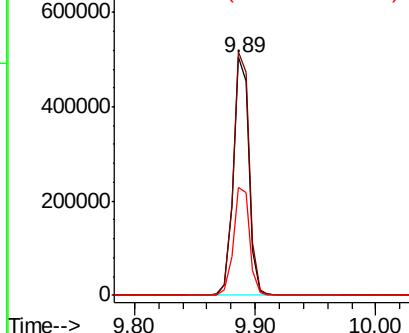
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	80.6	120.8	
160	45.0	36.5	54.7	

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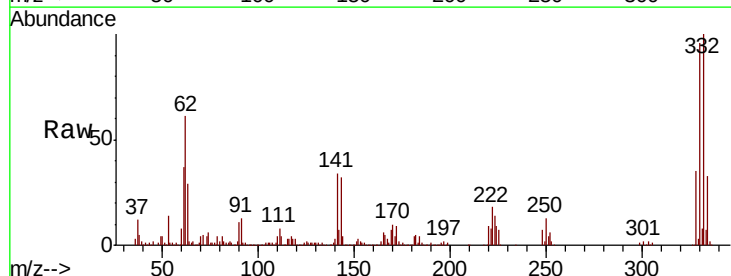


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

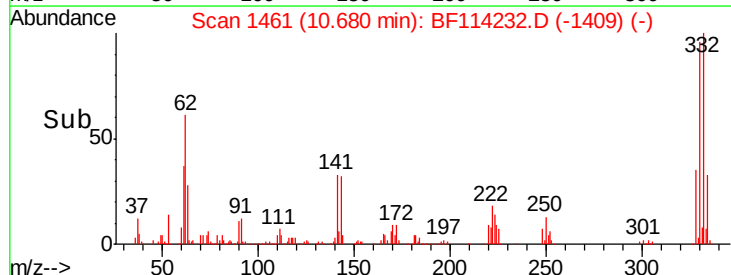
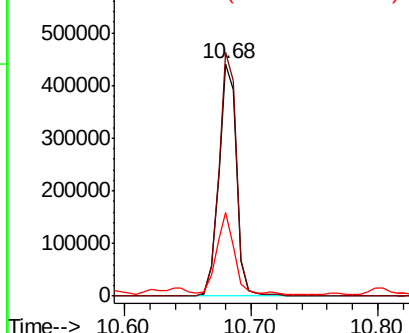


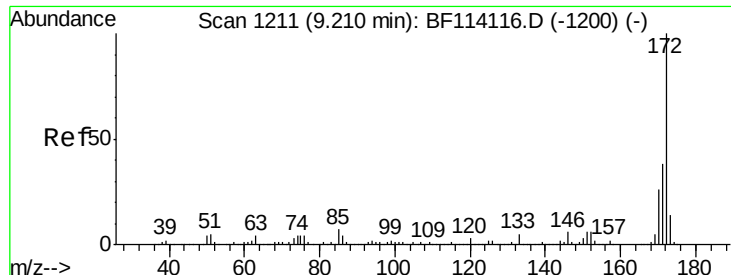
#42
2,4,6-Tribromophenol
Concen: 91.907 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.3	81.4	122.2	
141	33.5	26.6	40.0	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





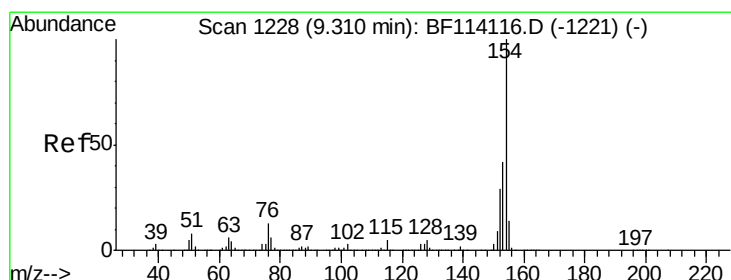
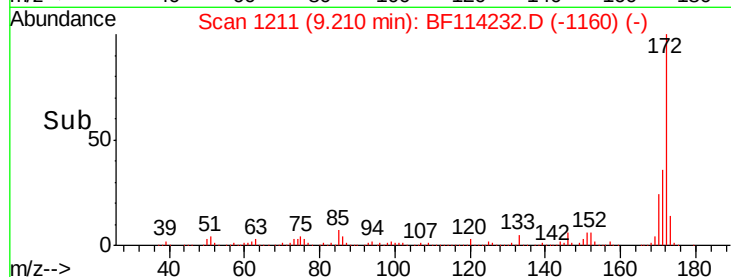
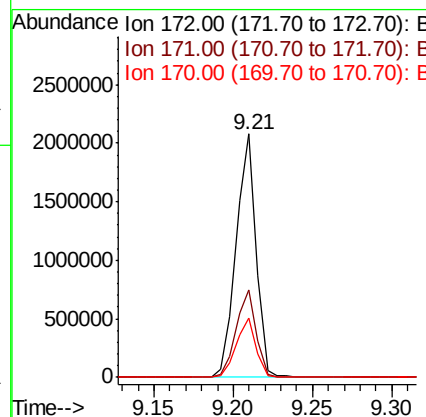
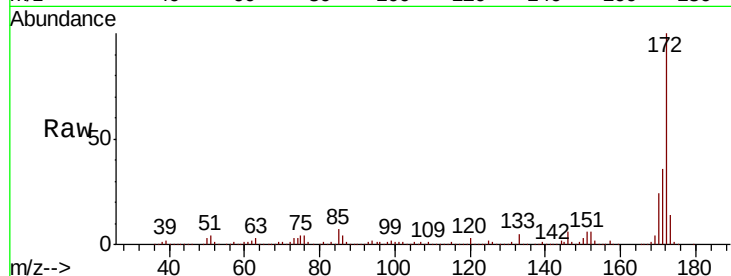
#45
2-Fluorobiphenyl
Concen: 60.249 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.7	46.1
170	24.3	20.5	30.7

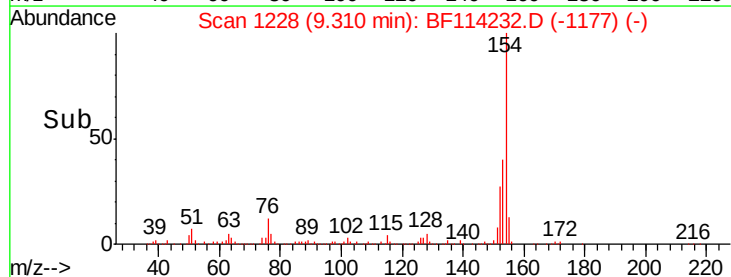
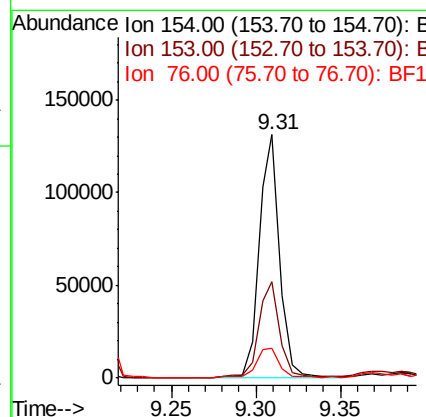
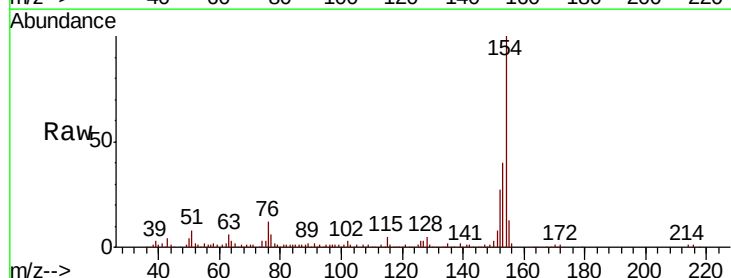
Manual Integrations
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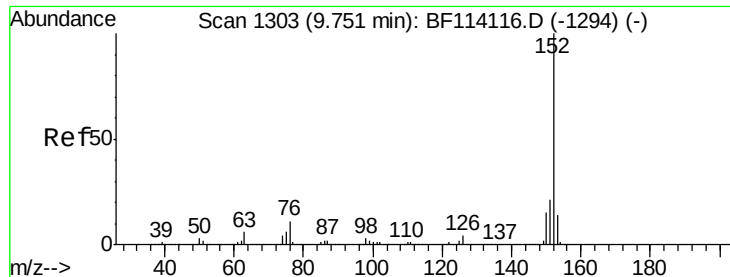
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#46
1,1'-Biphenyl
Concen: 3.024 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.9	61.9
76	12.4	0.0	32.8





#49

Acenaphthylene

Concen: 28.156 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

Instrument :

BNA_F

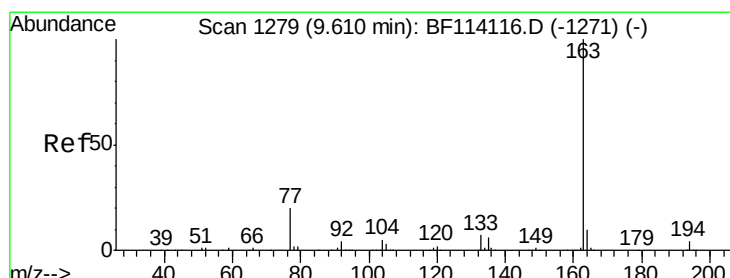
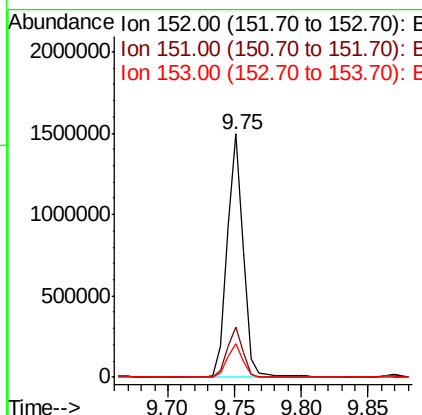
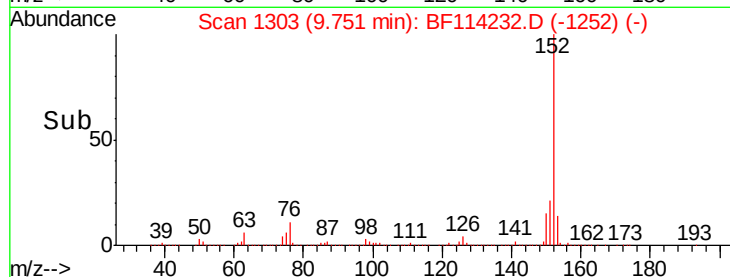
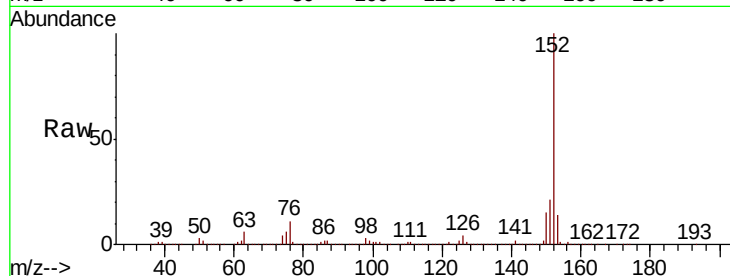
ClientSampleId :

P026-SS006-0002-01

Tot Ion:	152	Resp:	1273213
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.8	25.2
153	13.8	11.4	17.2

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#50

Dimethylphthalate

Concen: 13.582 ng

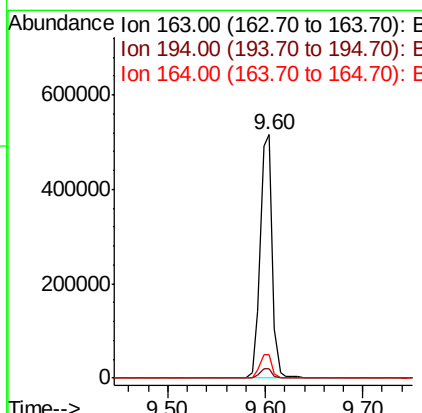
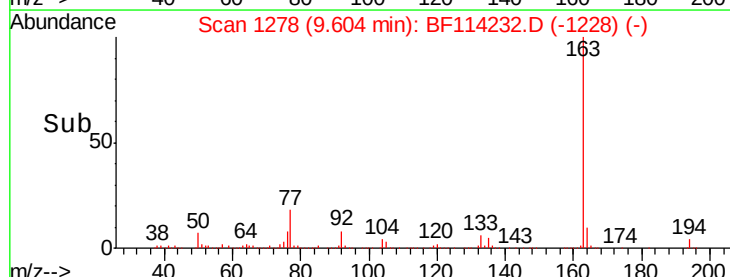
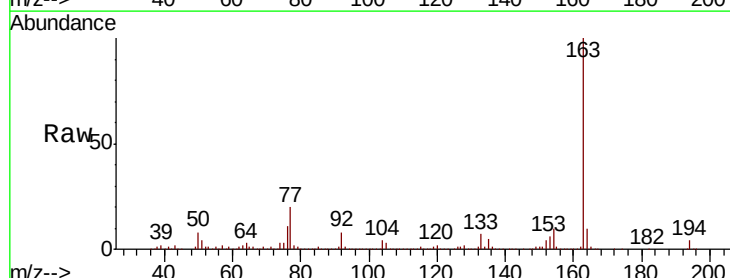
RT: 9.60 min Scan# 1278

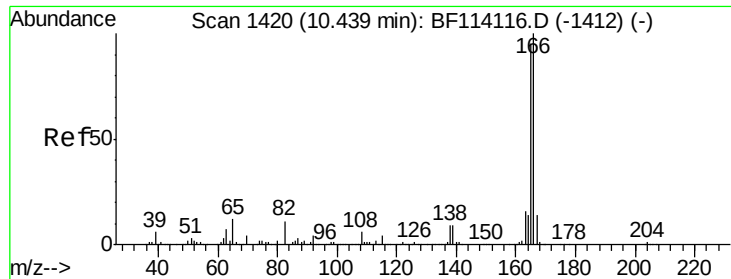
Delta R.T. -0.01 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

Tgt Ion:	163	Resp:	455946
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	9.6	8.2	12.2





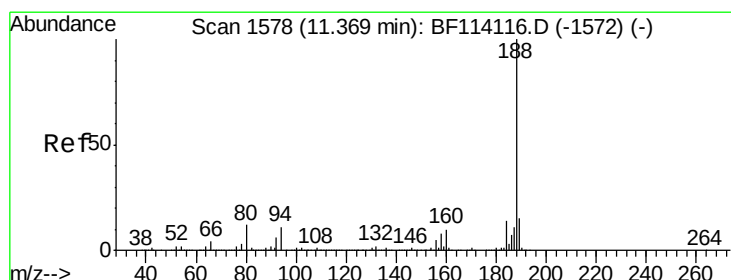
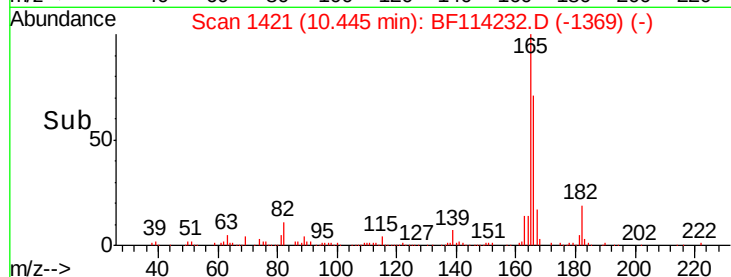
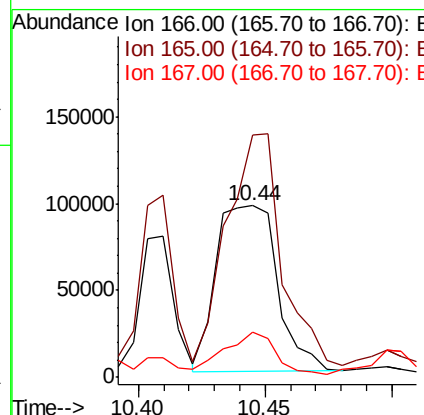
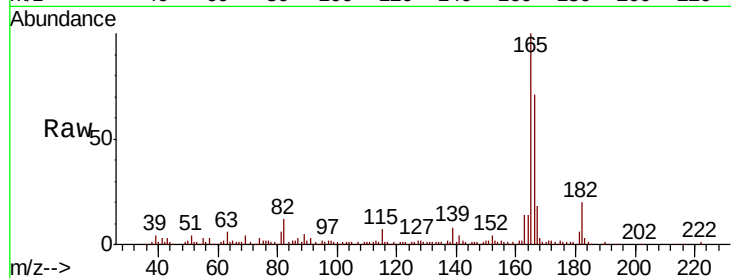
#58
 Fluorene
 Concen: 5.089 ng
 RT: 10.44 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: BF114232.D
 Acq: 13 May 2019 16:42

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		159950		
165	141.7	76.1	114.1#		
167	26.2	11.1	16.7#		

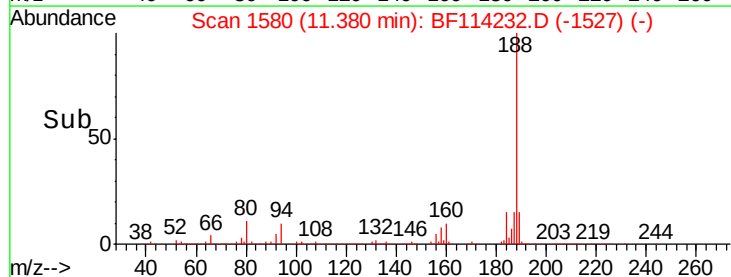
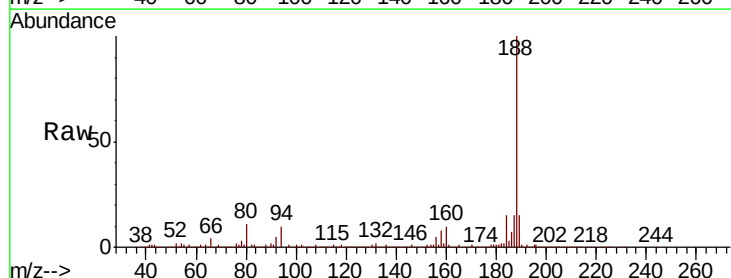
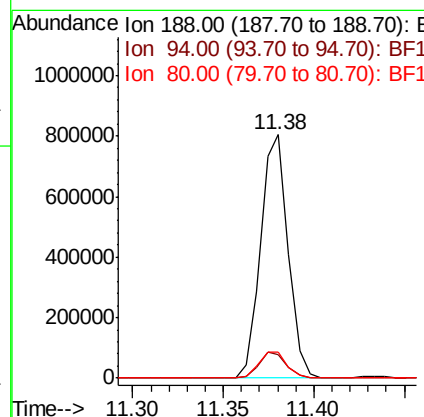
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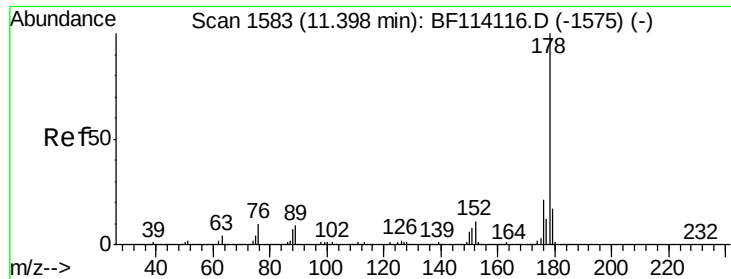
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: BF114232.D
 Acq: 13 May 2019 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		837488		
94	9.8	8.4	12.6		
80	10.6	9.2	13.8		





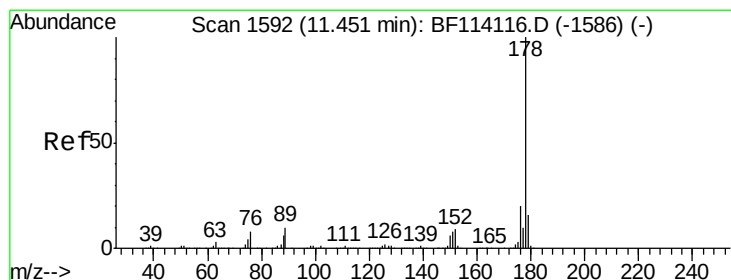
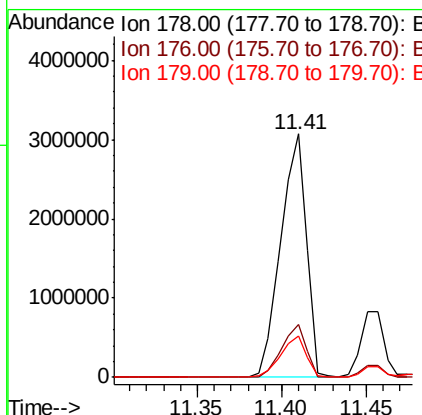
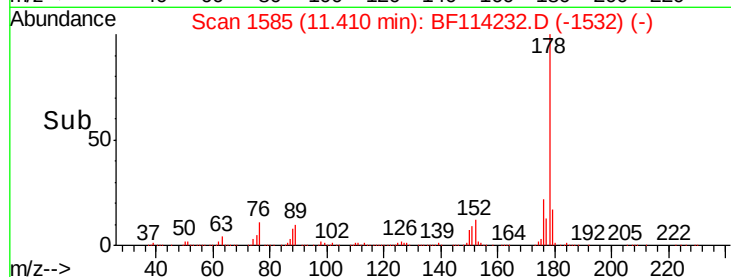
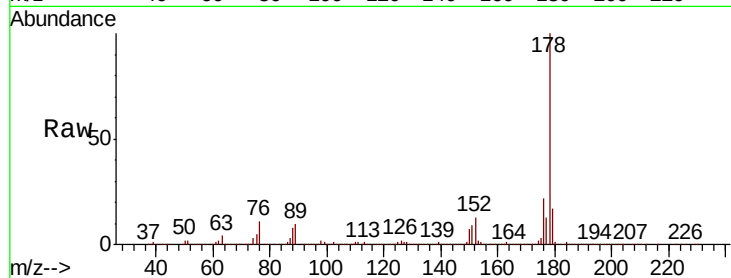
#71
Phenanthrene
Concen: 80.148 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion:178 Resp: 3265607
Ion Ratio Lower Upper
178 100
176 21.9 16.4 24.6
179 17.3 13.2 19.8

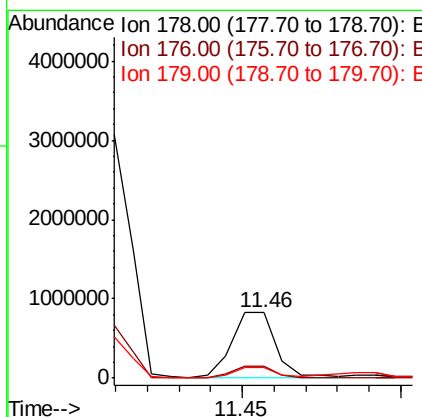
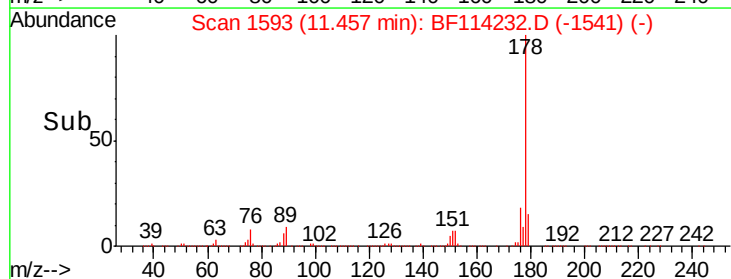
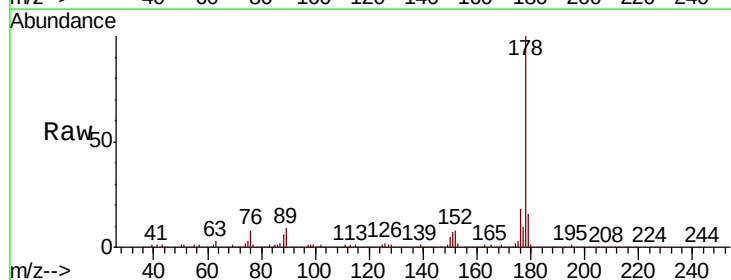
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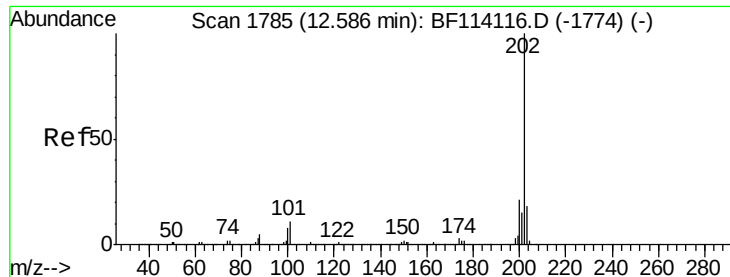
Sohil
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#72
Anthracene
Concen: 18.736 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.01 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion:178 Resp: 766772
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.5 13.0 19.4





#75

Fluoranthene

Concen: 104.652 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.02 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0002-01

Tot Ion:202 Resp: 4591800

Ion Ratio Lower Upper

202 100

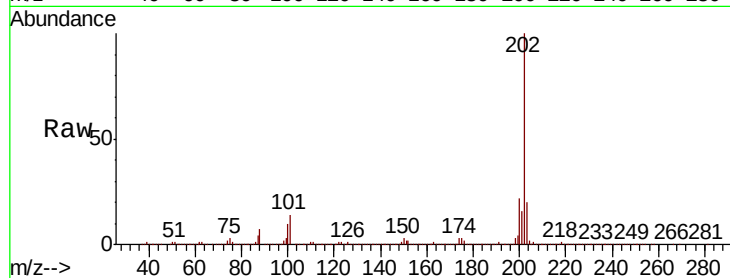
101 14.0 0.0 31.0

203 19.8 0.0 38.4

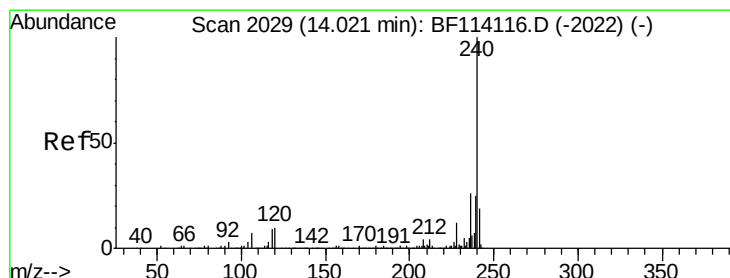
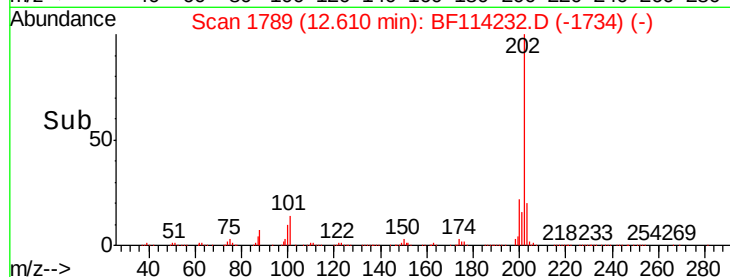
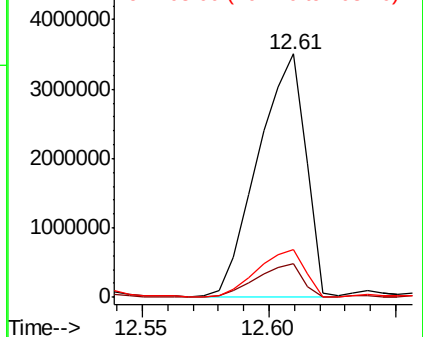
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

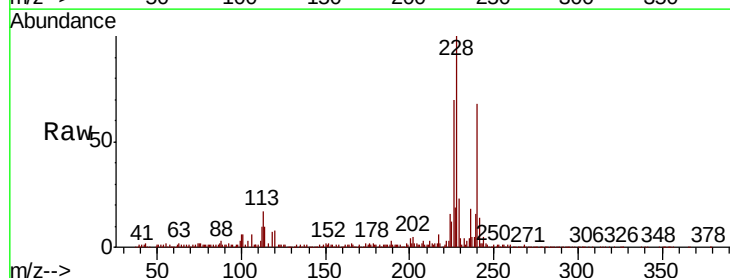
Tgt Ion:240 Resp: 427238

Ion Ratio Lower Upper

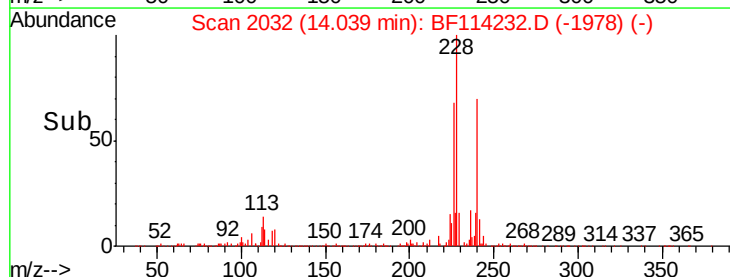
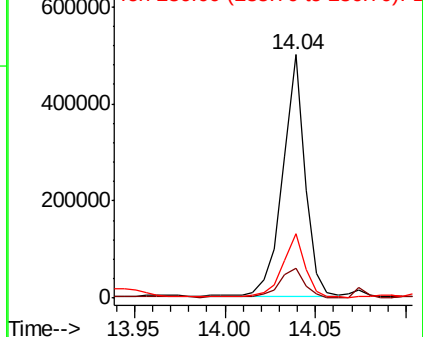
240 100

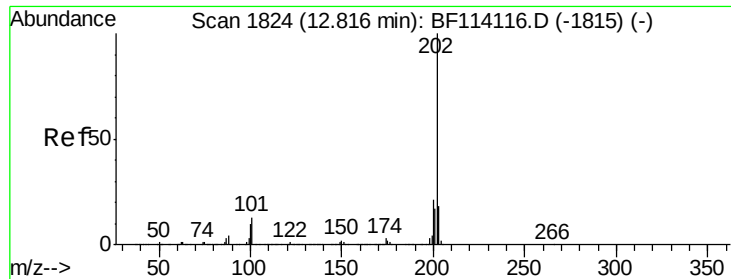
120 12.1 8.3 12.5

236 26.4 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





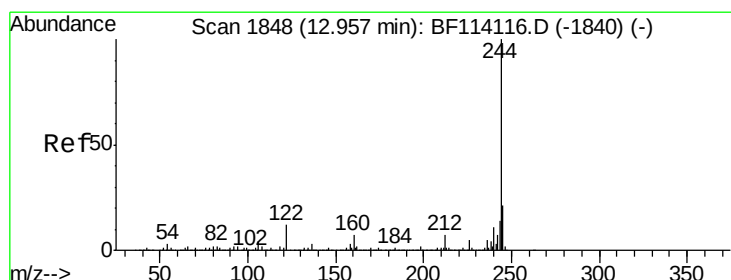
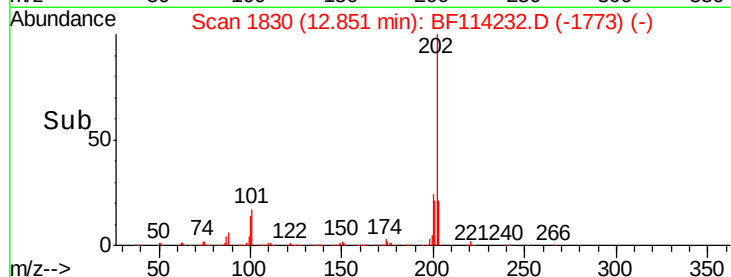
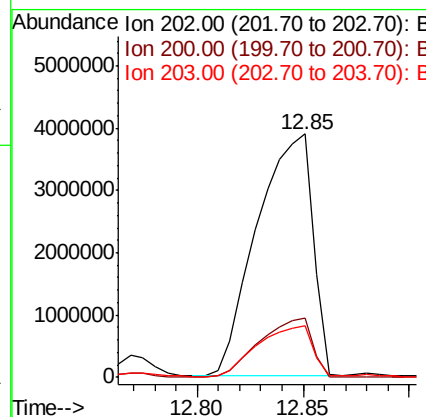
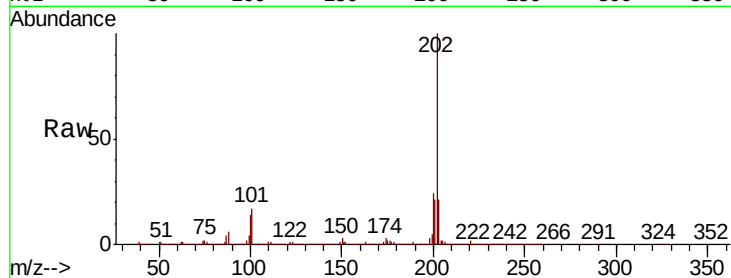
#78
Pvrene
Concen: 208.193 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.04 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.5	16.9	25.3
203	21.1	14.5	21.7

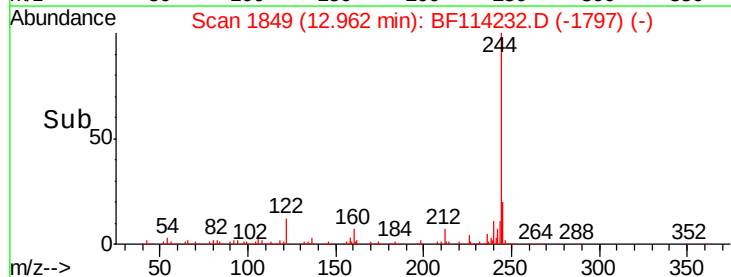
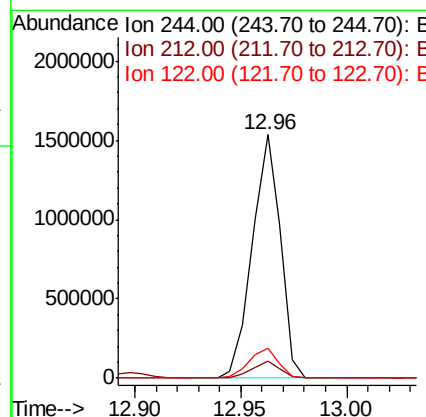
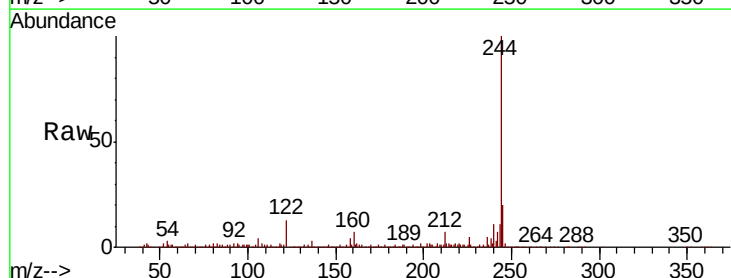
Manual Integrations
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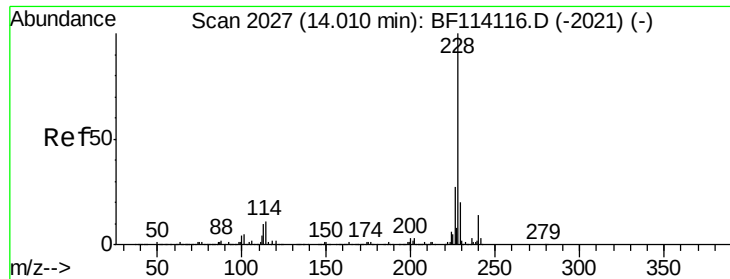
Sohil
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#79
Terphenyl-d14
Concen: 68.193 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.5	9.4	14.2





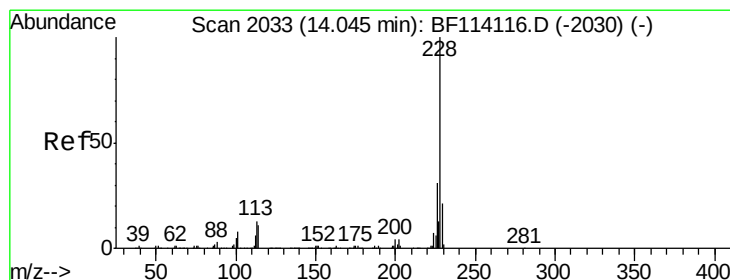
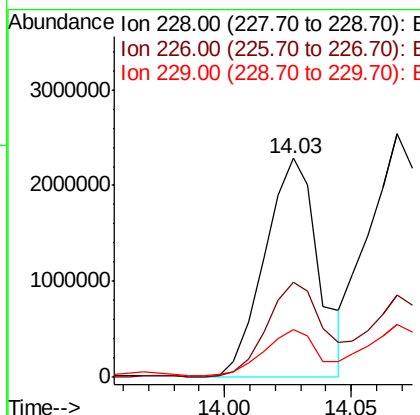
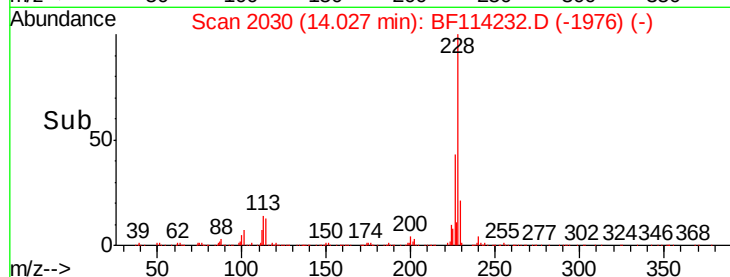
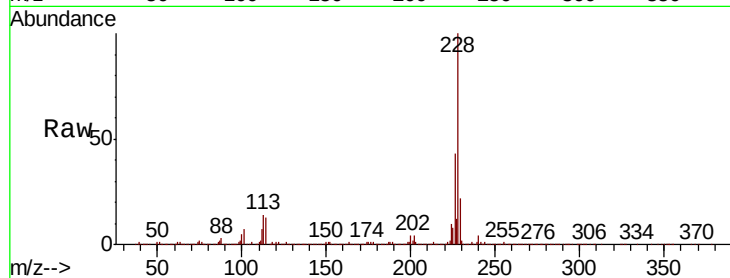
#81
Benzo(a)anthracene
Concen: 121.828 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion:228 Resp: 3366550
Ion Ratio Lower Upper
228 100
226 43.2 22.2 33.2#
229 21.9 16.4 24.6

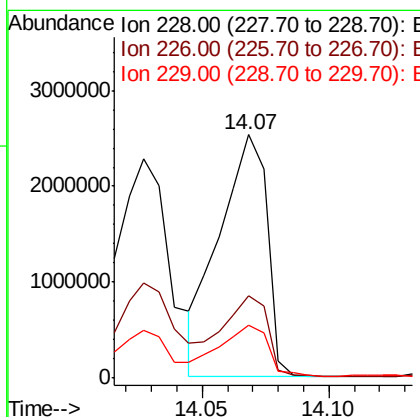
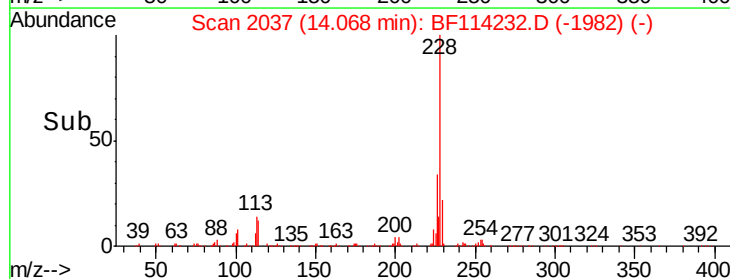
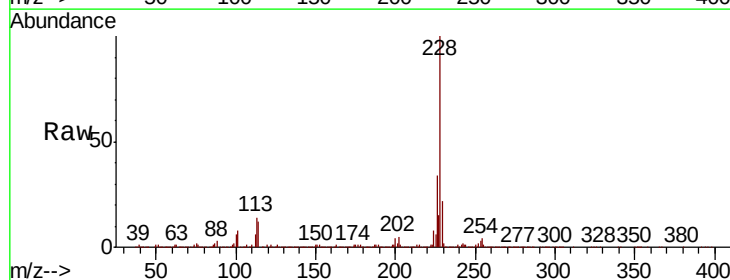
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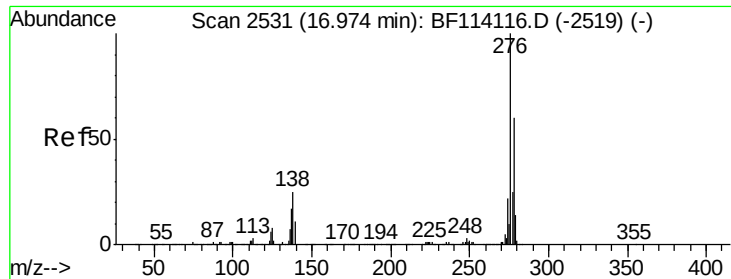
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#83
Chrysene
Concen: 122.161 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion:228 Resp: 3309165
Ion Ratio Lower Upper
228 100
226 33.9 25.0 37.6
229 21.9 17.0 25.6





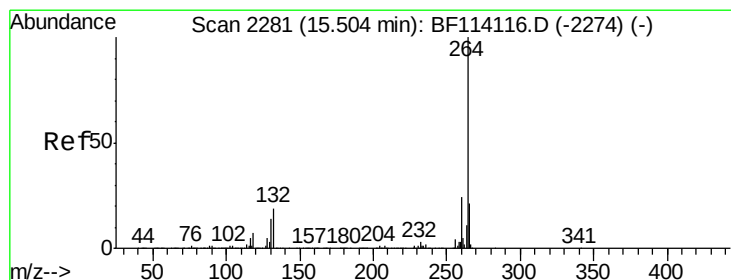
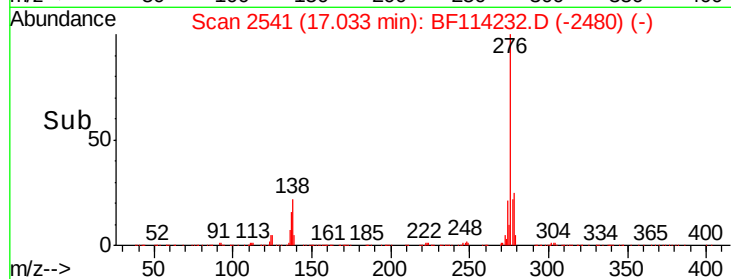
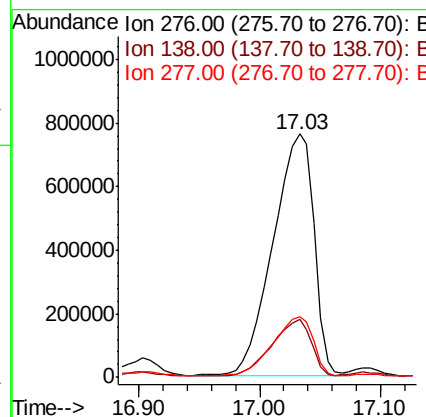
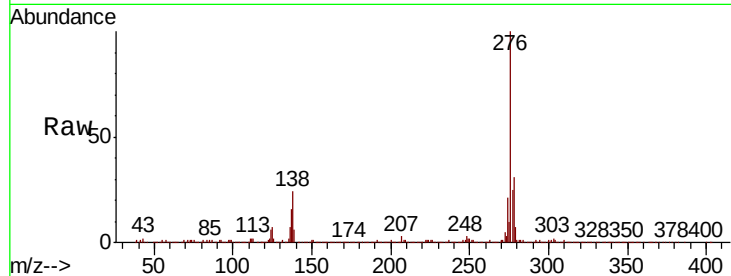
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 73.912 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.06 min
 Lab File: BF114232.D
 Acq: 13 May 2019 16:42

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.2	30.2
277	23.9	20.0	30.0

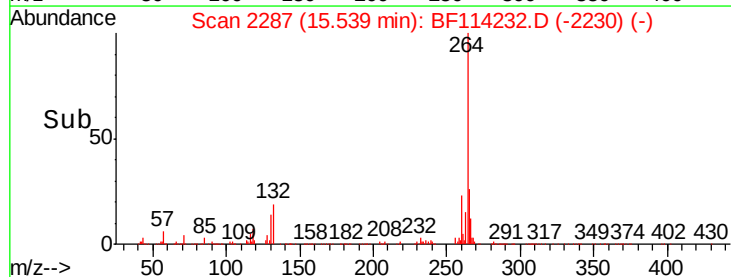
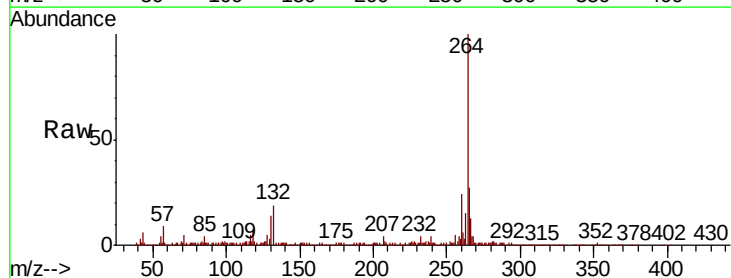
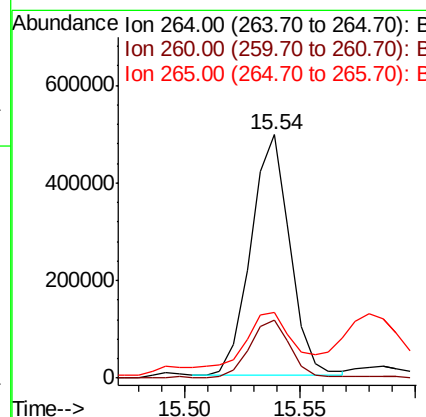
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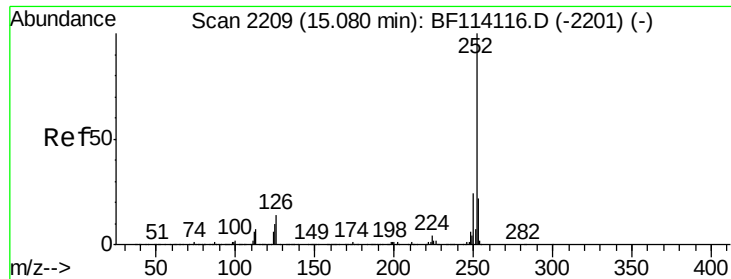
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.04 min
 Lab File: BF114232.D
 Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	27.1	16.9	25.3





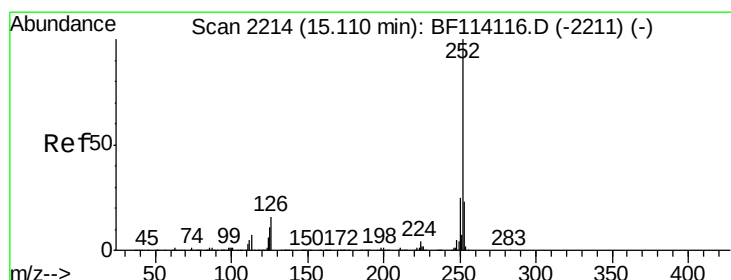
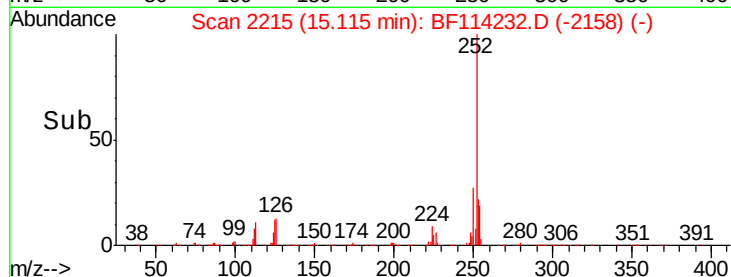
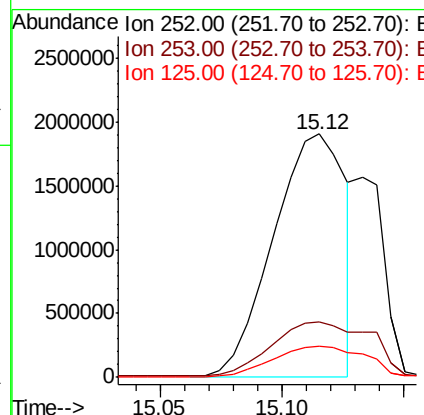
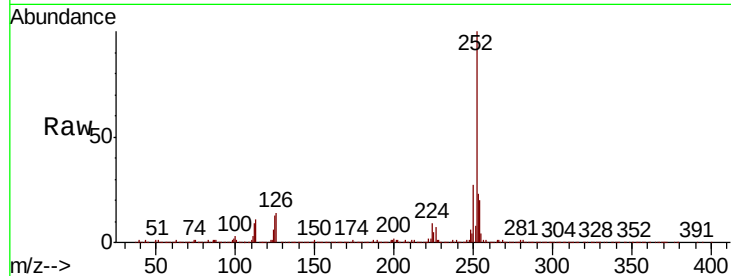
#88
Benzo(b)fluoranthene
Concen: 106.775 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.04 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.5	8.3	12.5#

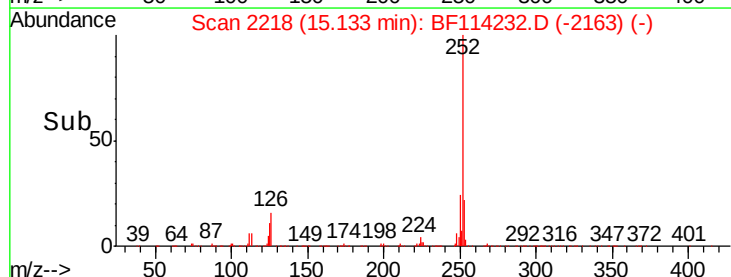
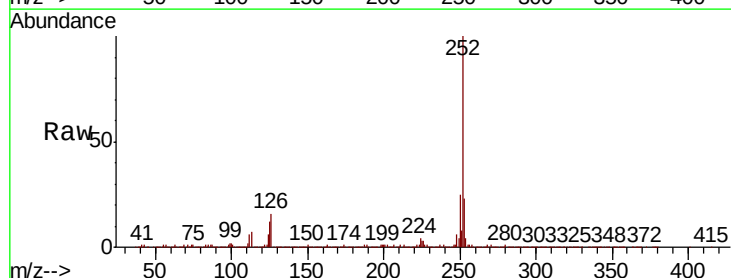
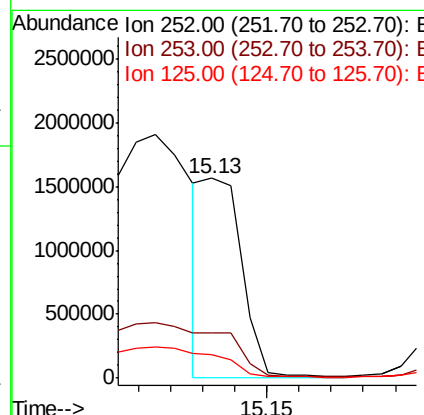
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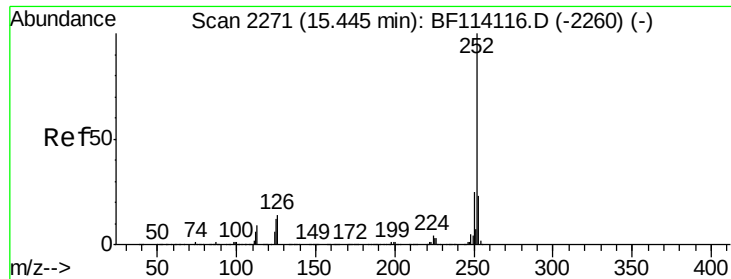
Sohil
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#89
Benzo(k)fluoranthene
Concen: 37.841 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.02 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.8	8.6	13.0





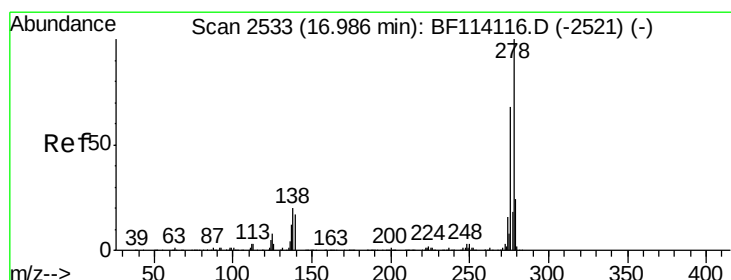
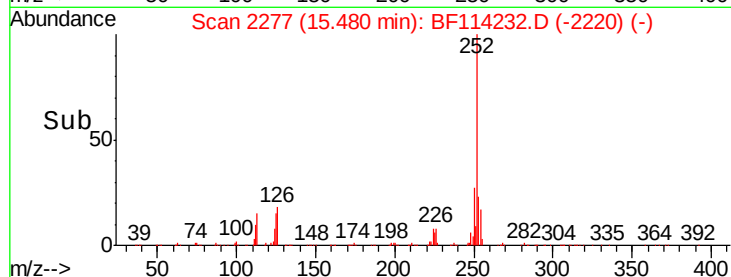
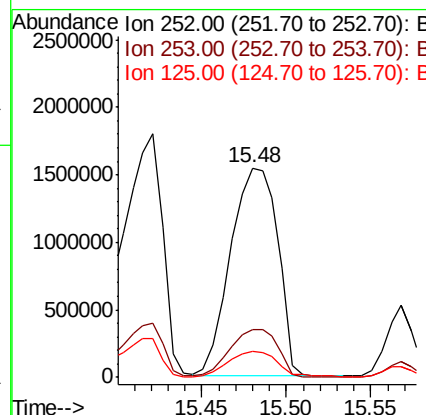
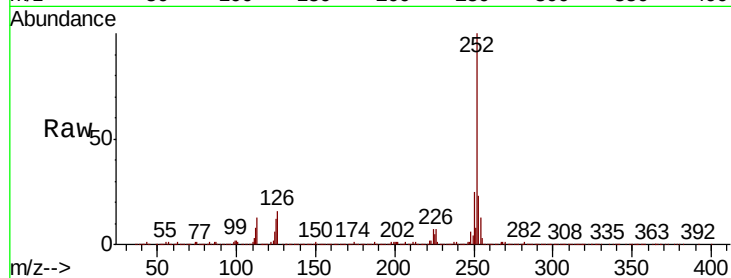
#90
Benzo(a)pyrene
Concen: 91.560 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.04 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.4	9.5	14.3

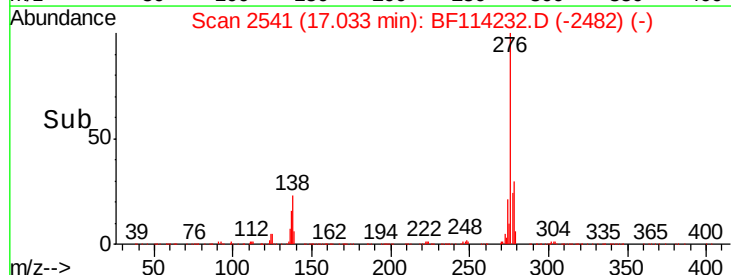
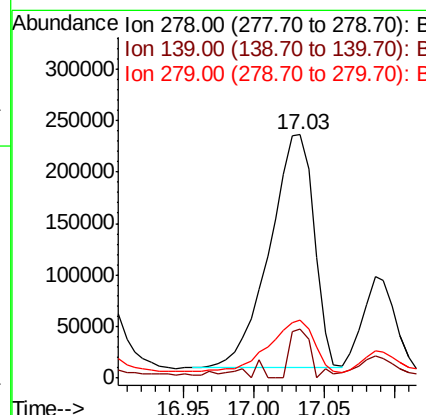
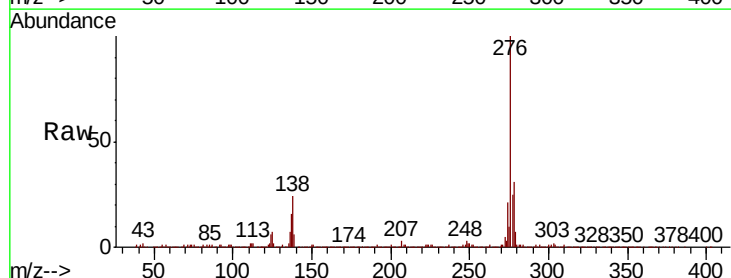
Manual Integrations
APPROVED

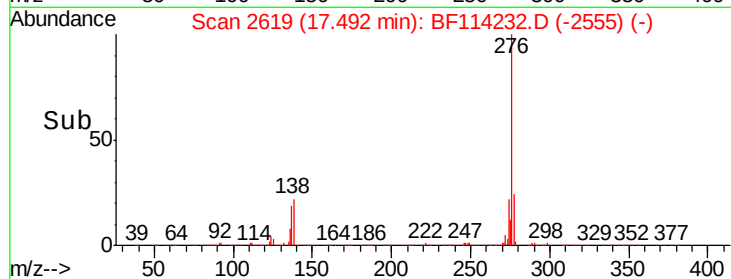
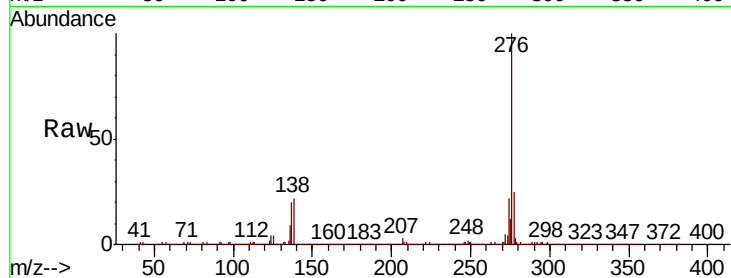
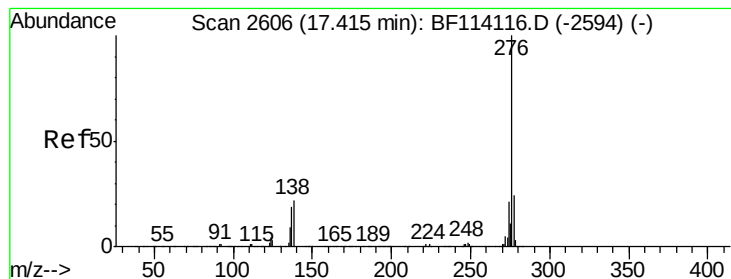
Sohil
5/14/2019 8:03:16 PM



#91
Dibenzo(a,h)anthracene
Concen: 18.334 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.05 min
Lab File: BF114232.D
Acq: 13 May 2019 16:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.5	20.3
279	23.8	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 70.824 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.08 min

Lab File: BF114232.D

Acq: 13 May 2019 16:42

Tot Ion: 276 Resp: 1931466

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 22.3 17.8 26.6

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0002-01

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Sohil

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