

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114176.D
 Acq On : 12 May 2019 1:45
 Operator : JU/SJ
 Sample : K2765-21
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02

Manual Integrations
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 5/13/2019 8:36:06 PM

Quant Time: May 13 08:59:32 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	6.85	152	285907	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1087392	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	550256	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1054048	20.00	ng	0.00
76) Chrysene-d12	14.02	240	579624	20.00	ng	0.00
87) Perylene-d12	15.50	264	754197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1904580	107.20	ng	0.00
7) Phenol-d6	6.49	99	2403401	114.38	ng	0.00
23) Nitrobenzene-d5	7.41	82	1564717	80.75	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	554741	97.52	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2144489	58.95	ng	0.00
79) Terphenyl-d14	12.96	244	1769171	62.92	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	947701	18.658	ng	98
37) 2-Methylnaphthalene	8.85	142	444579	13.566	ng	96
38) 1-Methylnaphthalene	8.94	142	282704	9.160	ng	98
46) 1,1'-Biphenyl	9.30	154	176820	3.978	ng	96
49) Acenaphthylene	9.75	152	1484057	27.274	ng	99
50) Dimethylphthalate	9.60	163	477917	11.831	ng	99
58) Fluorene	10.43	166	197567	5.224	ng	97
71) Phenanthrene	11.40	178	4410182	86.001	ng	95
72) Anthracene	11.45	178	935509	18.163	ng	99
75) Fluoranthene	12.60	202	5530839	100.155	ng	93
78) Pyrene	12.84	202	8857595m	189.963	ng	
81) Benzo(a)anthracene	14.02	228	4061251	108.330	ng	# 81
83) Chrysene	14.06	228	4388140	119.403	ng	95
86) Indeno(1,2,3-cd)pyrene	16.98	276	2299251	70.791	ng	97
88) Benzo(b)fluoranthene	15.08	252	5275793m	109.189	ng	
89) Benzo(k)fluoranthene	15.10	252	1165699m	26.263	ng	
90) Benzo(a)pyrene	15.44	252	3598310	84.618	ng	99
91) Dibenzo(a,h)anthracene	16.98	278	636016m	17.999	ng	
92) Benzo(a,h,i)perylene	17.43	276	2584372	72.981	ng	99

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

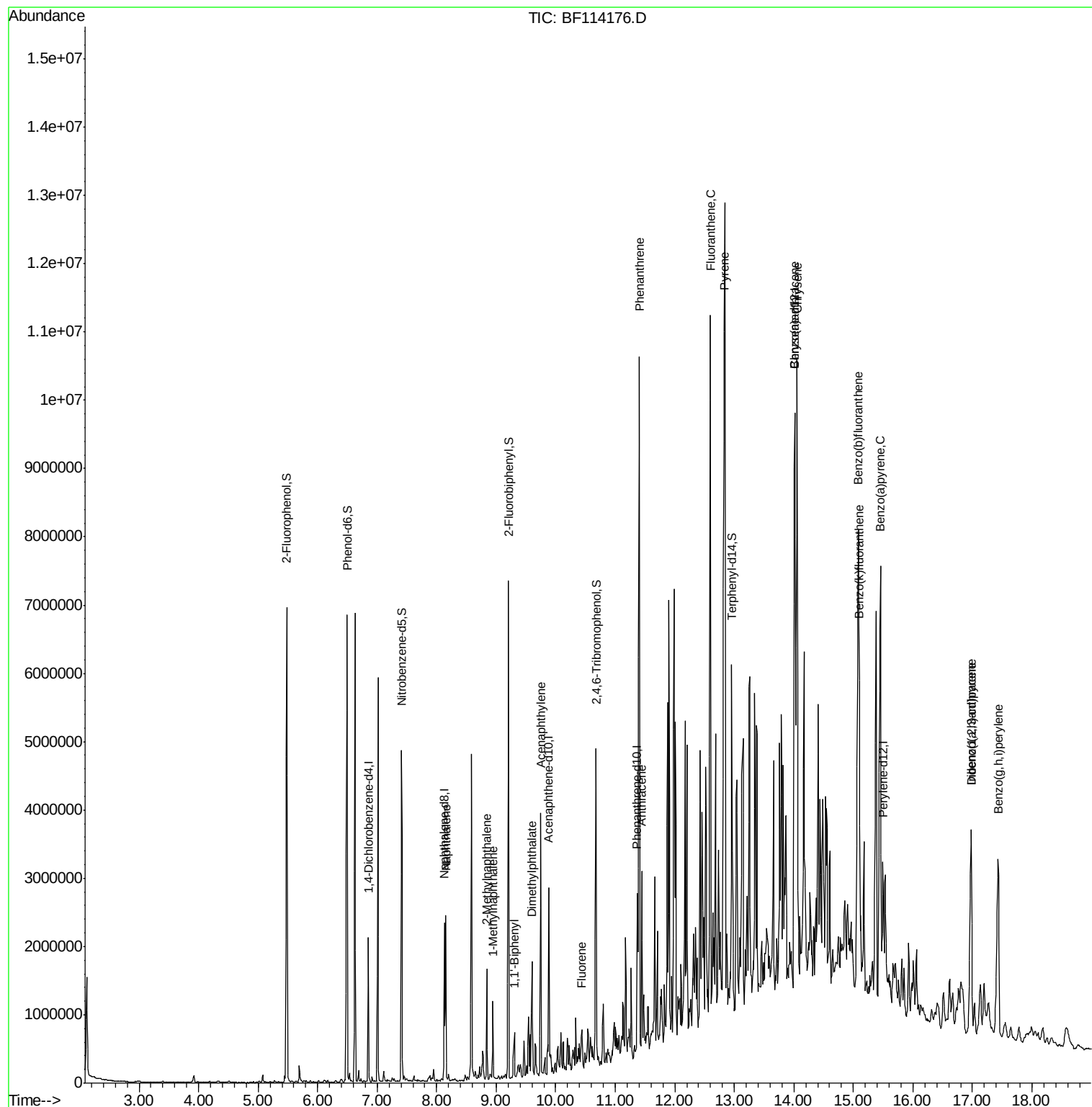
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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ALS Vial : 16 Sample Multiplier: 1

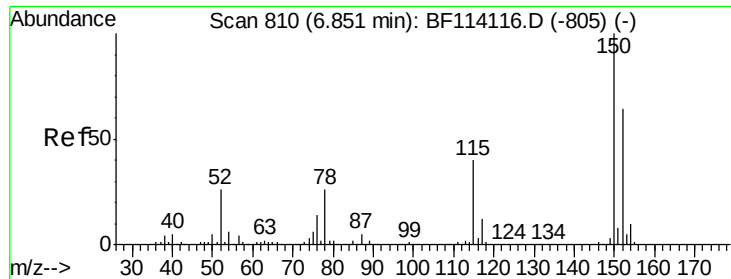
Instrument :
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P026-SS006-0002-02

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Quant Time: May 13 08:59:32 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
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#1

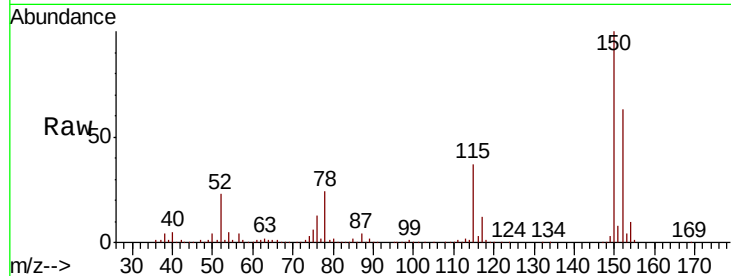
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	58.1	49.1	73.7

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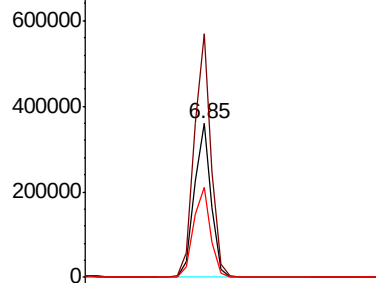


Abundance

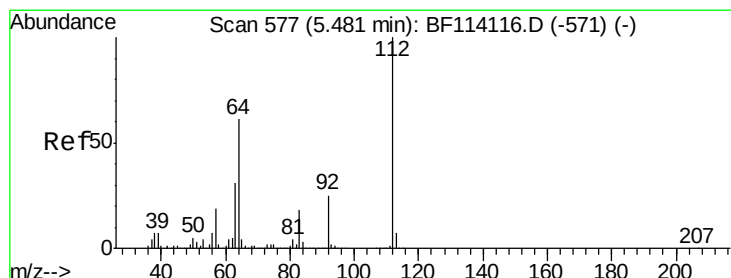
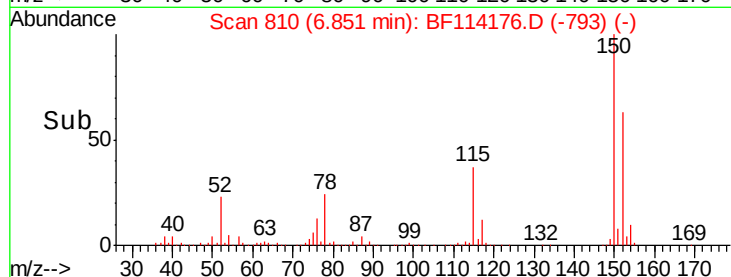
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



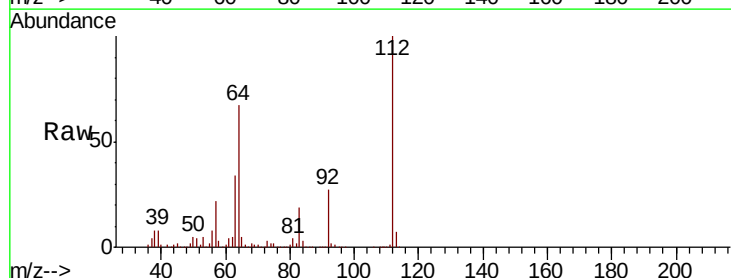
Time-->



#5

2-Fluorophenol
Concen: 107.202 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	49.0	73.6
63	34.0	24.6	37.0

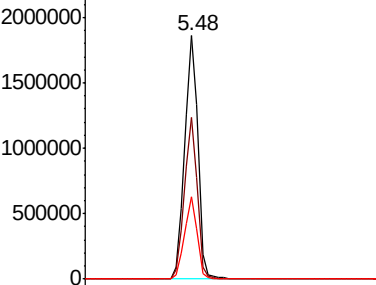


Abundance

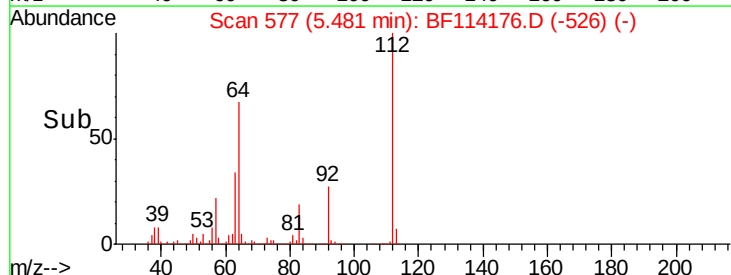
Ion 112.00 (111.70 to 112.70): E

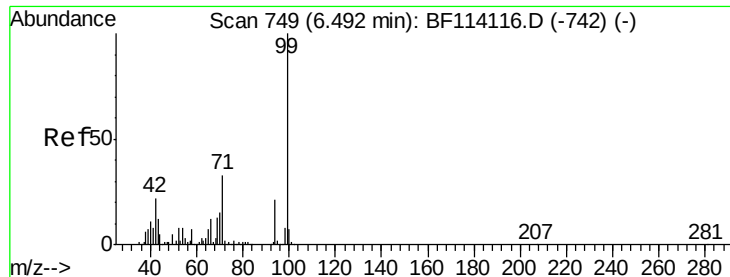
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 114.378 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0002-02

Tot Ion: 99 Resp: 2403401

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

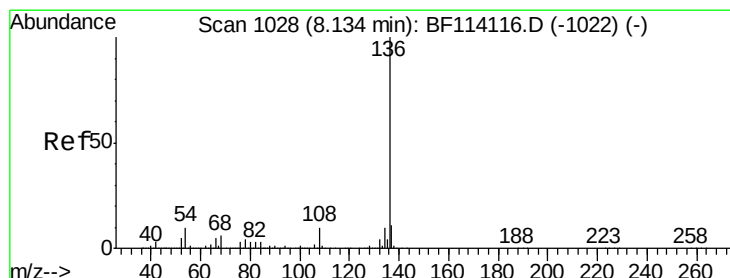
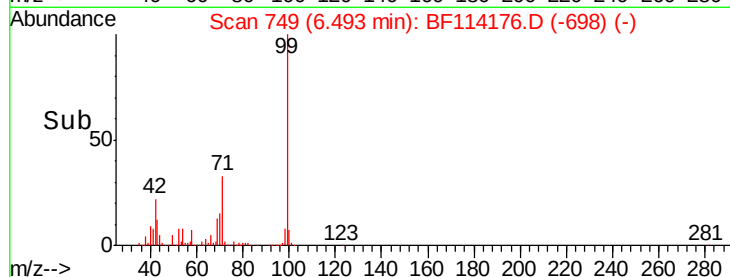
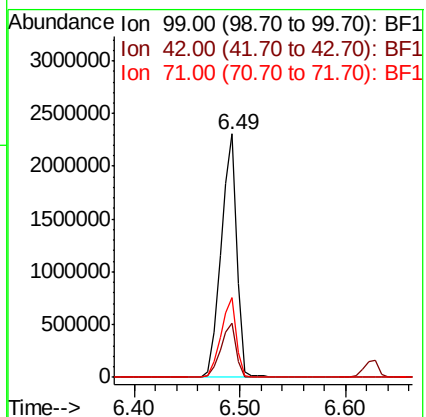
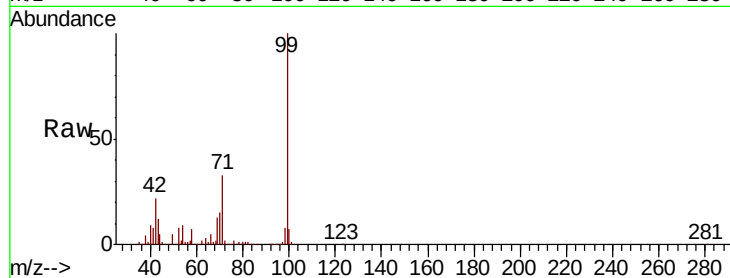
71 32.8 26.2 39.2

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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: BF114176.D

Acq: 12 May 2019 1:45

Tgt Ion: 136 Resp: 1087392

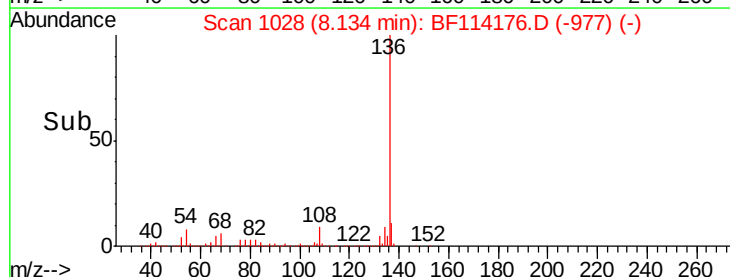
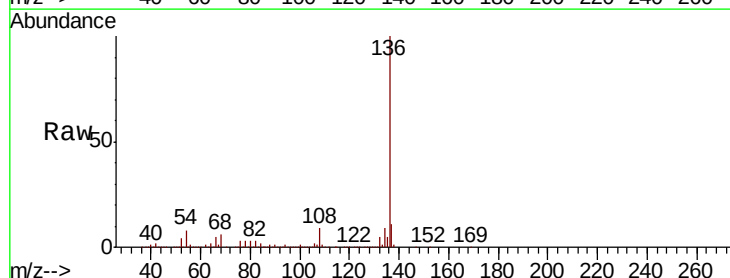
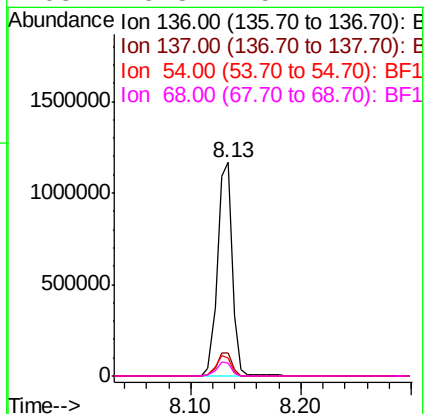
Ion Ratio Lower Upper

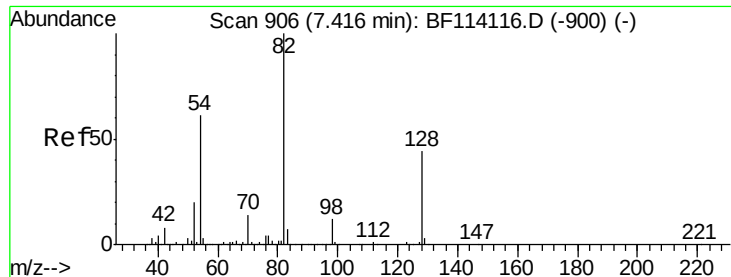
136 100

137 10.8 8.8 13.2

54 8.5 7.8 11.8

68 5.8 5.1 7.7





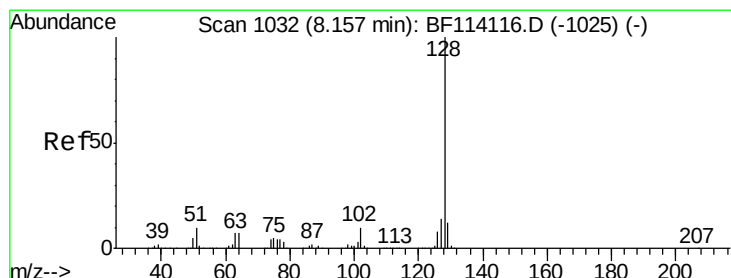
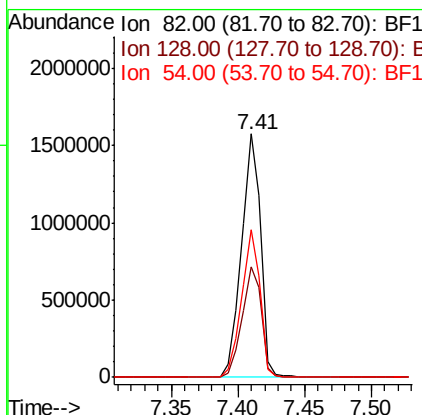
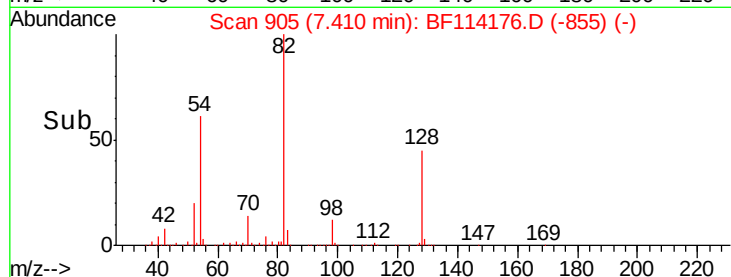
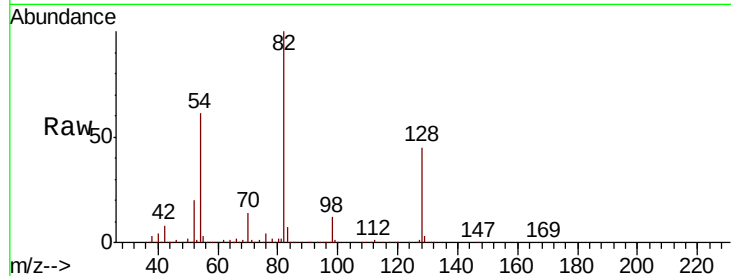
#23
 Nitrobenzene-d5
 Concen: 80.755 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.5	53.3
54	60.9	48.5	72.7

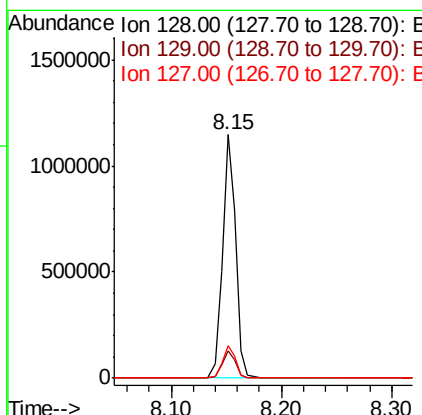
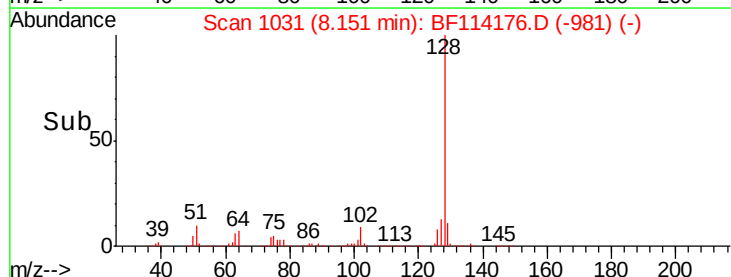
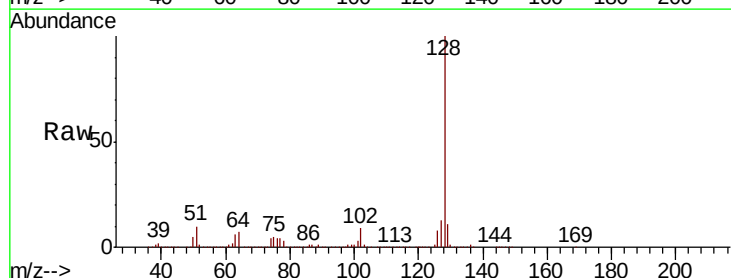
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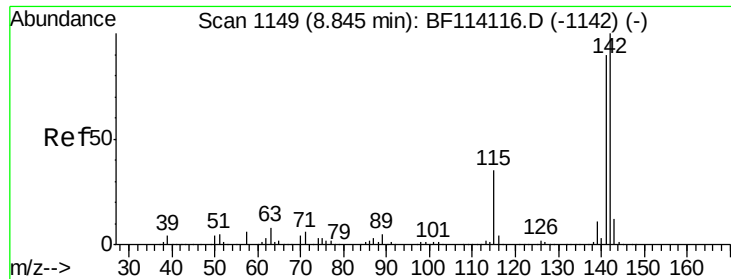
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#31
 Naphthalene
 Concen: 18.658 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.3	11.3	16.9





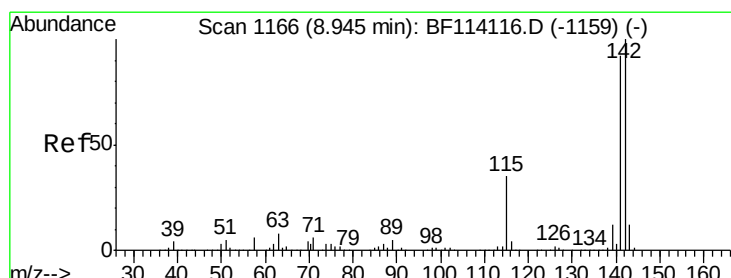
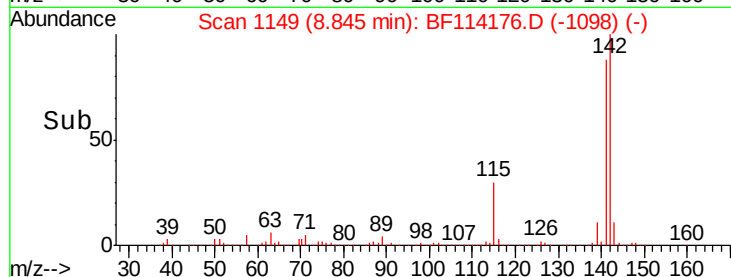
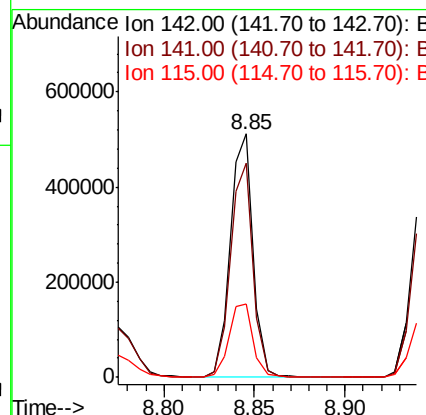
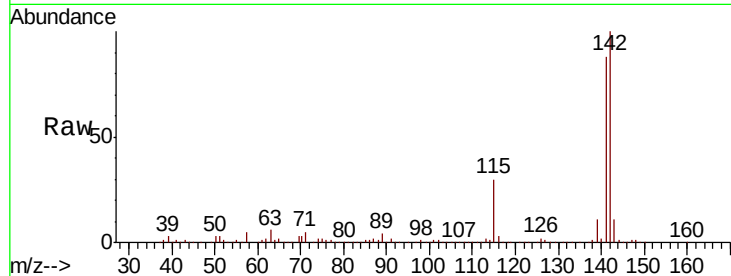
#37
2-Methylnaphthalene
Concen: 13.566 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.1	108.1
115	30.1	28.0	42.0

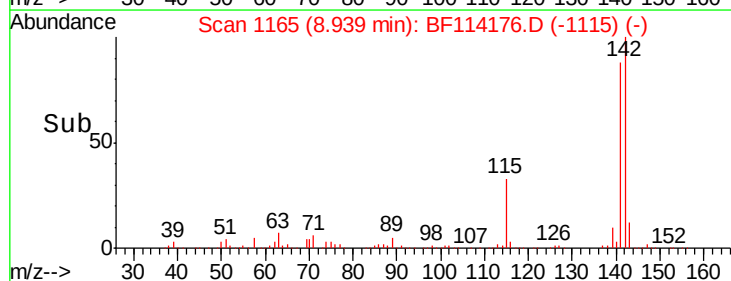
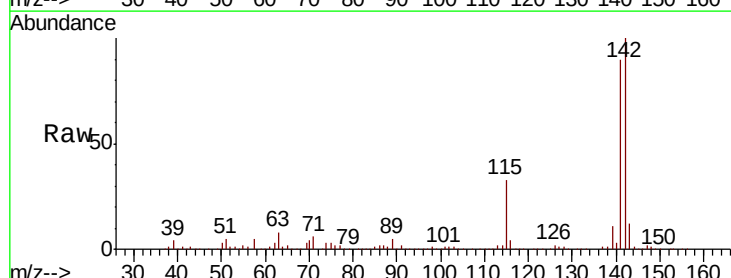
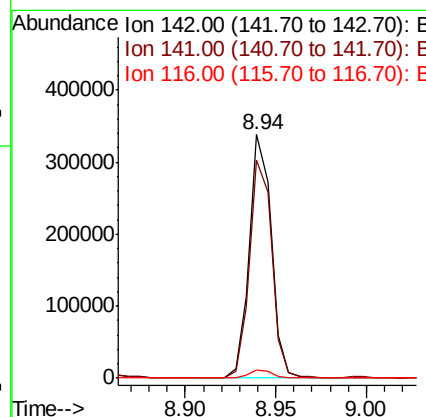
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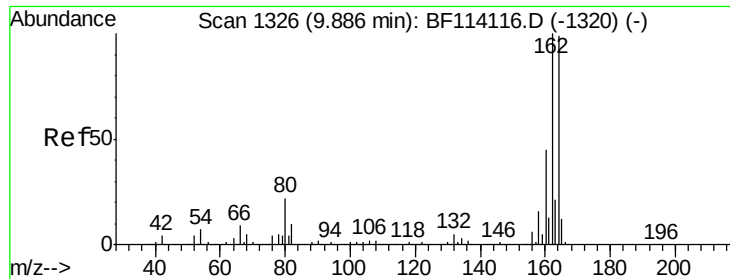
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#38
1-Methylnaphthalene
Concen: 9.160 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	73.4	110.0
116	3.6	3.1	4.7





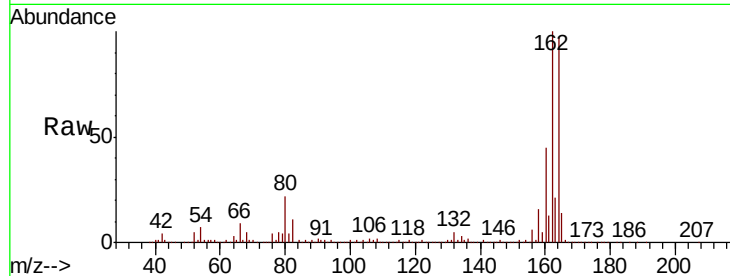
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02

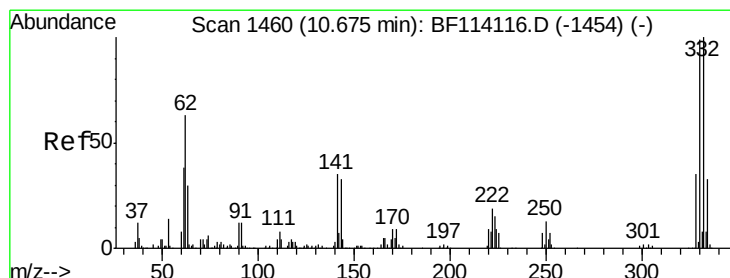
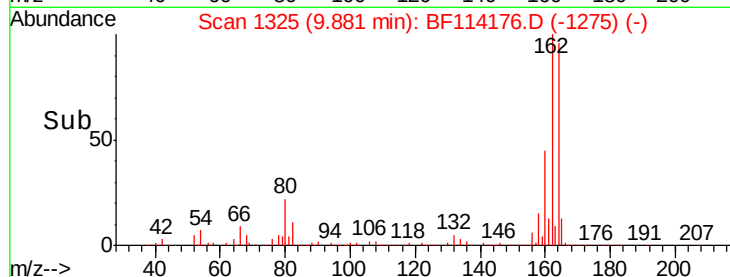
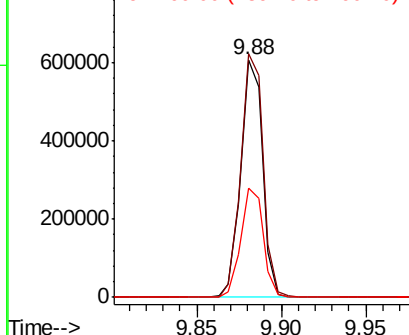
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	80.6	120.8	
160	46.3	36.5	54.7	

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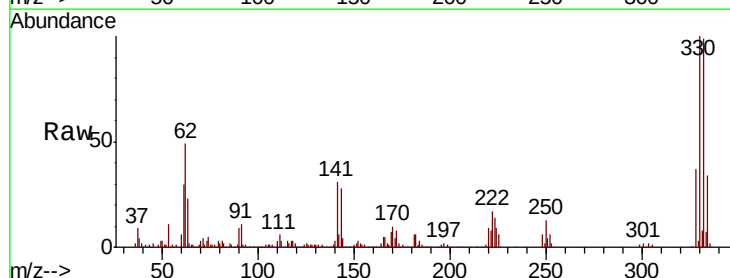


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

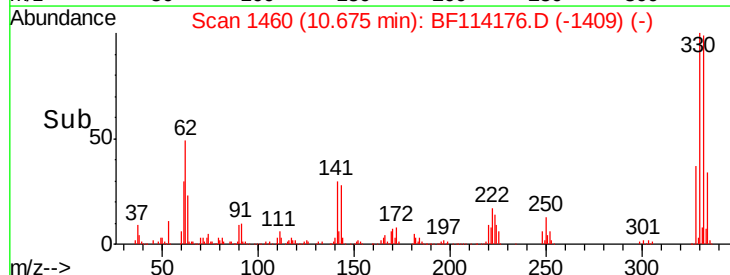
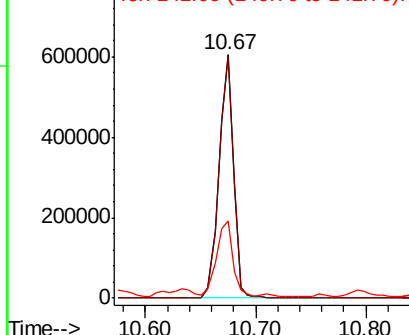


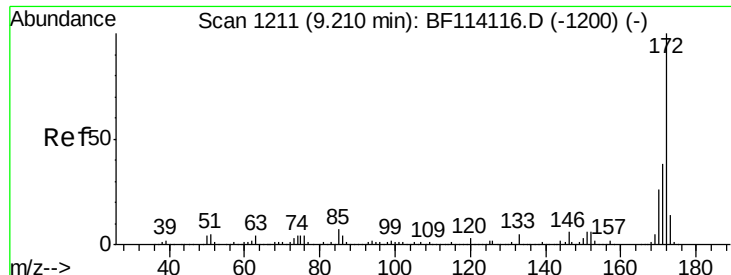
#42
 2,4,6-Tribromophenol
 Concen: 97.516 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.1	81.4	122.2	
141	33.8	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





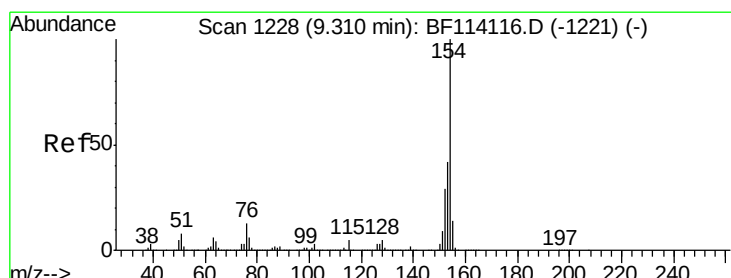
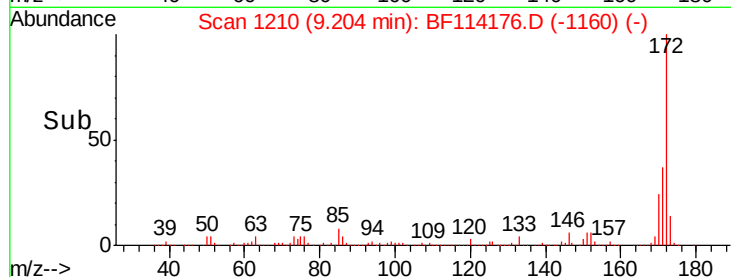
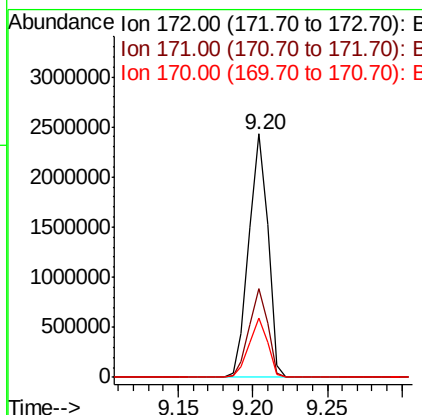
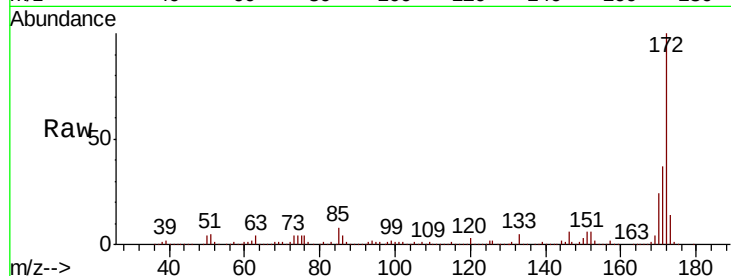
#45
2-Fluorobiphenyl
Concen: 58.952 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.7	46.1
170	24.5	20.5	30.7

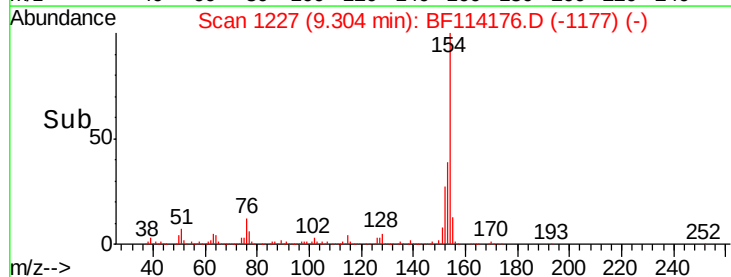
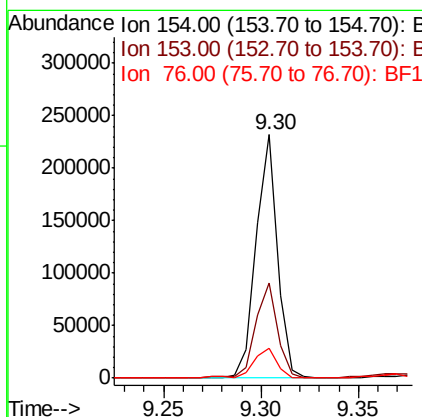
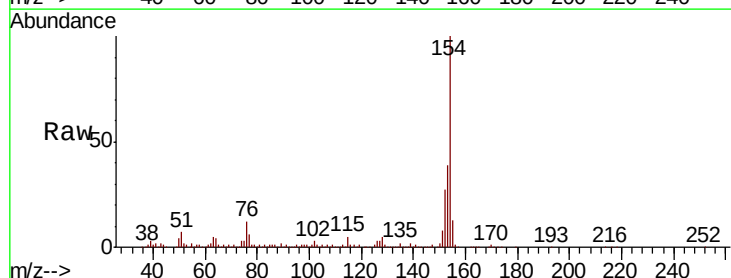
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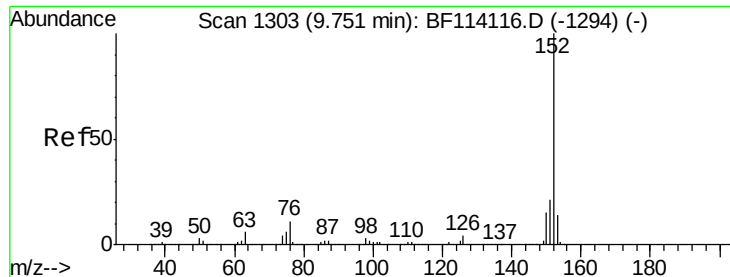
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#46
1,1'-Biphenyl
Concen: 3.978 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.9	61.9
76	12.2	0.0	32.8





#49

Acenaphthylene

Concen: 27.274 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0002-02

Tot Ion:152 Resp: 1484057

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

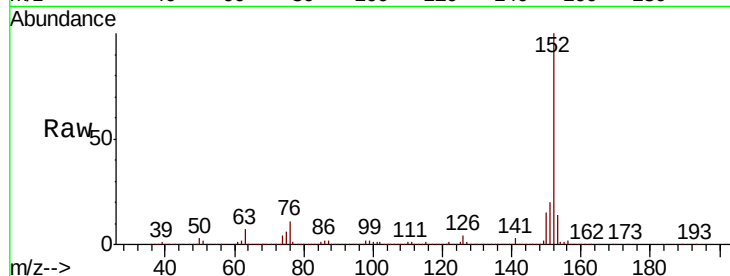
153 14.1 11.4 17.2

Manual Integrations

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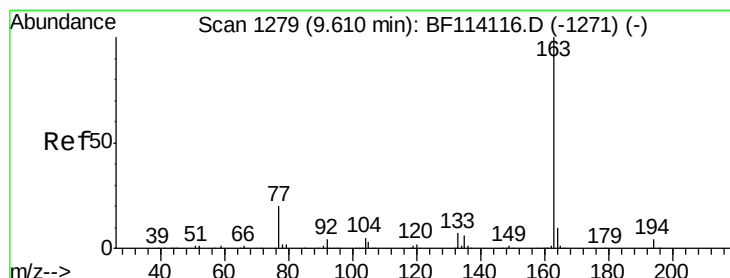
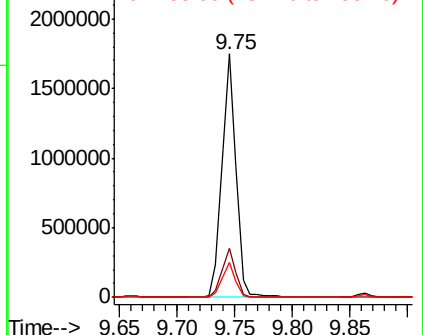
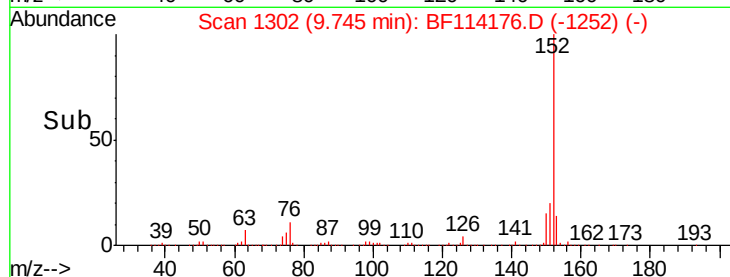
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 11.831 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

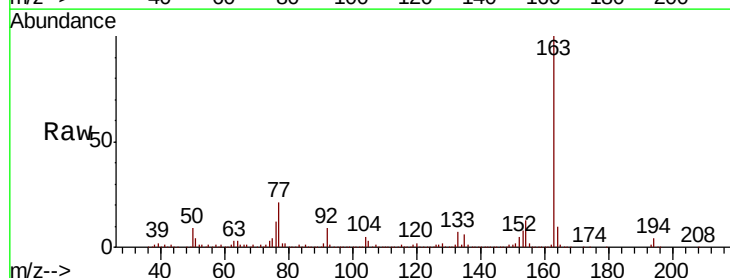
Tgt Ion:163 Resp: 477917

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

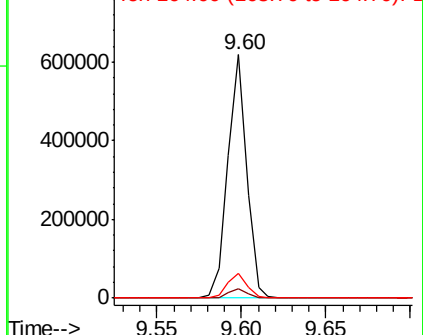
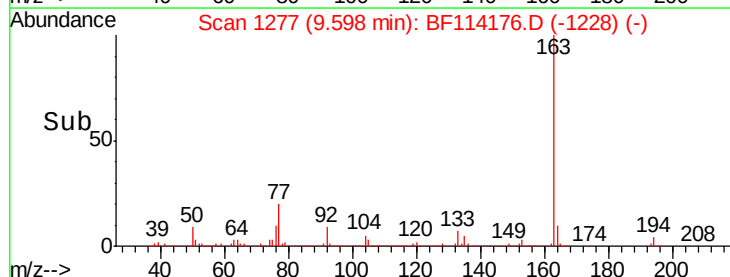
164 10.0 8.2 12.2

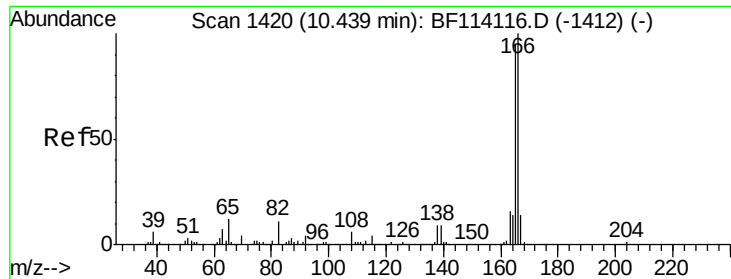


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





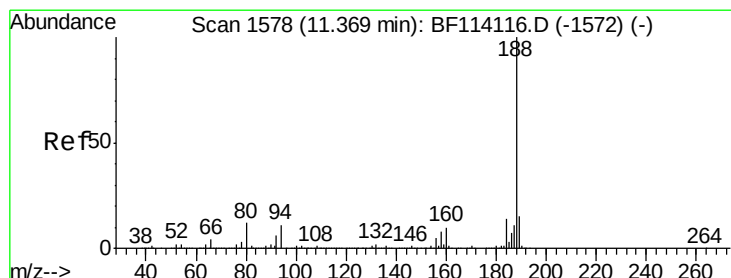
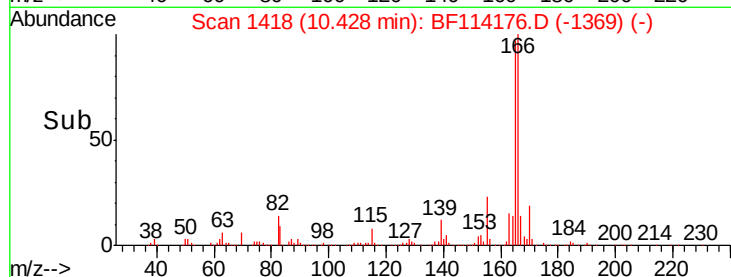
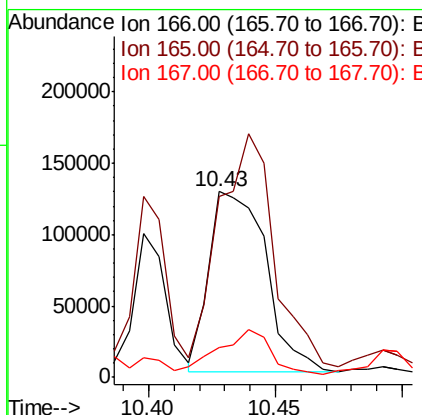
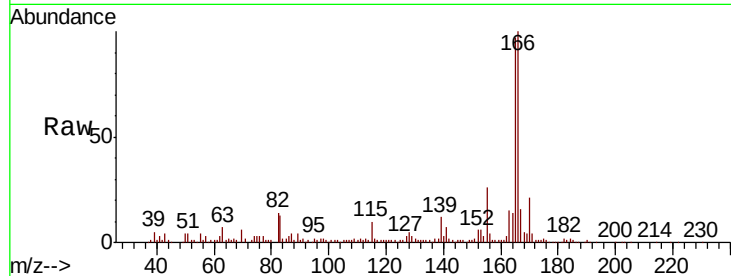
#58
 Fluorene
 Concen: 5.224 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.1	114.1
167	16.2	11.1	16.7

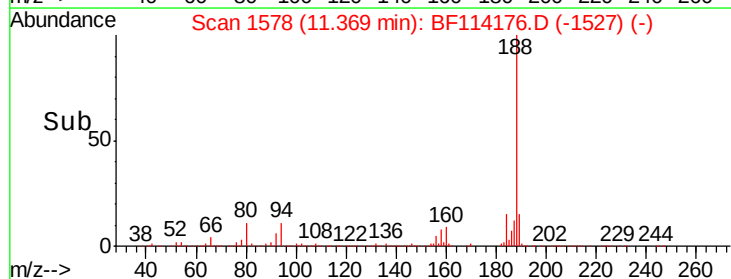
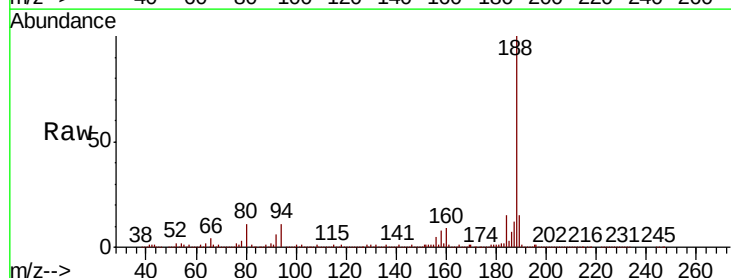
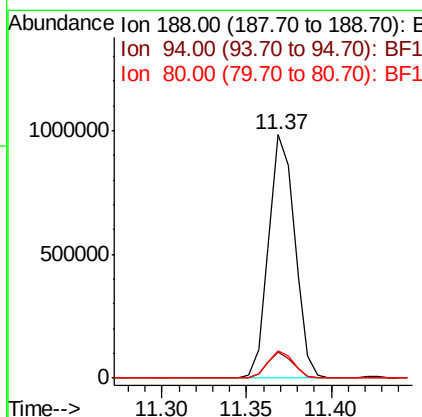
Manual Integrations
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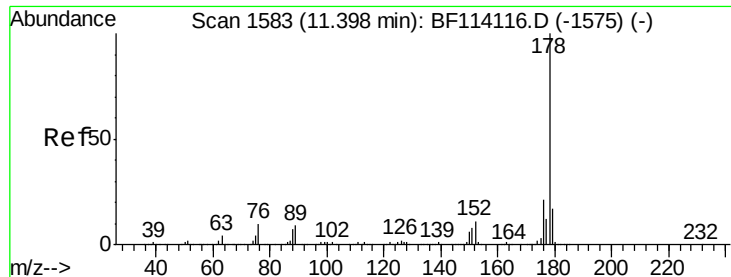
Sohil
 5/13/2019 8:36:06 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.4	12.6
80	11.0	9.2	13.8





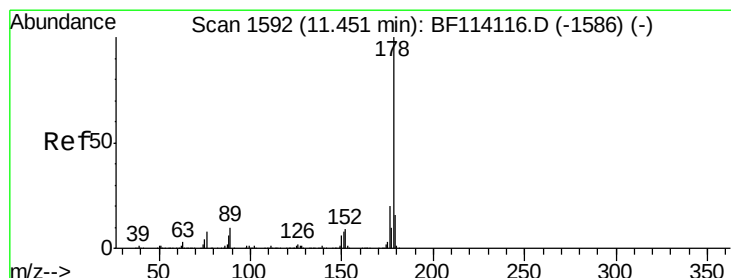
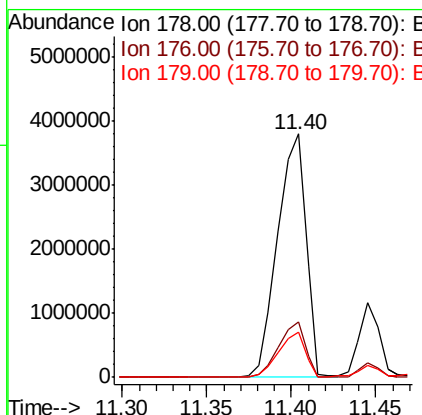
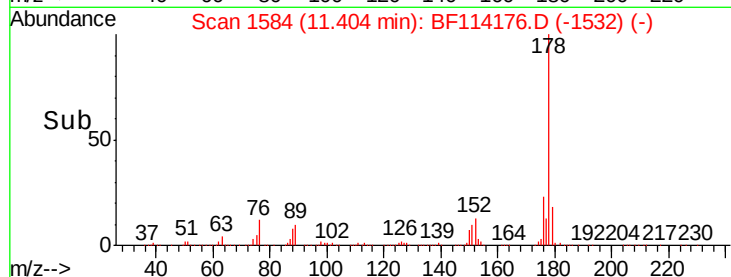
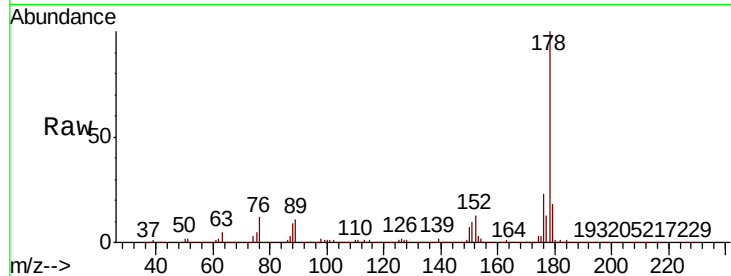
#71
Phenanthrene
Concen: 86.001 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion:178 Resp: 4410182
Ion Ratio Lower Upper
178 100
176 23.0 16.4 24.6
179 18.4 13.2 19.8

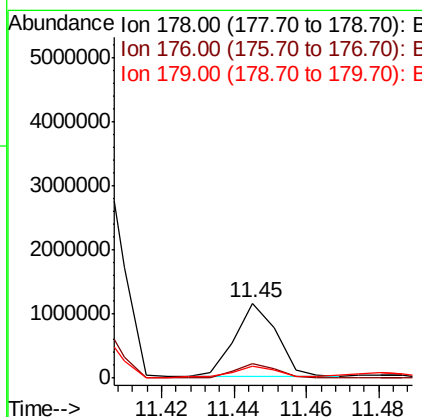
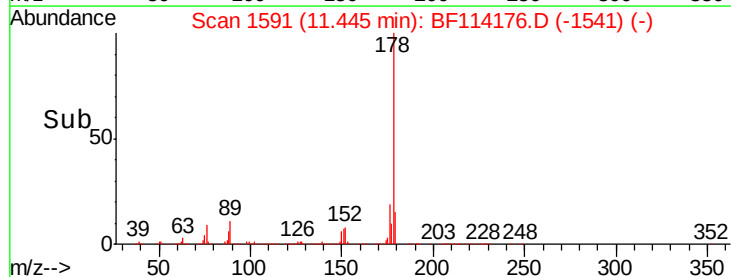
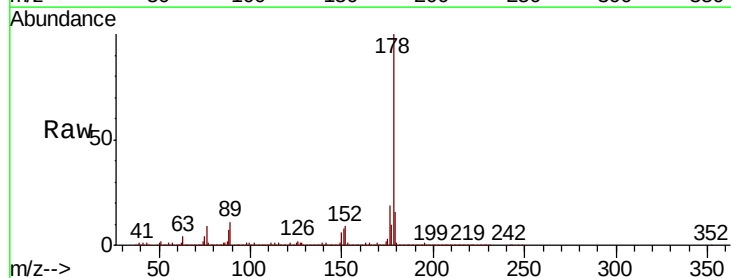
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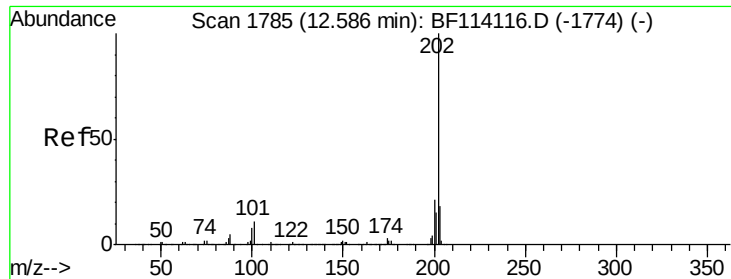
Sohil
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#72
Anthracene
Concen: 18.163 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion:178 Resp: 935509
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 16.0 13.0 19.4





#75

Fluoranthene

Concen: 100.155 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

Instrument :

BNA_F

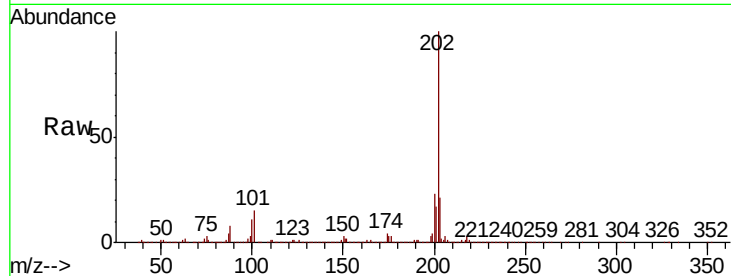
ClientSampleId :

P026-SS006-0002-02

Tot Ion:	202	Resp:	5530839
Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	31.0
203	20.9	0.0	38.4

Manual Integrations
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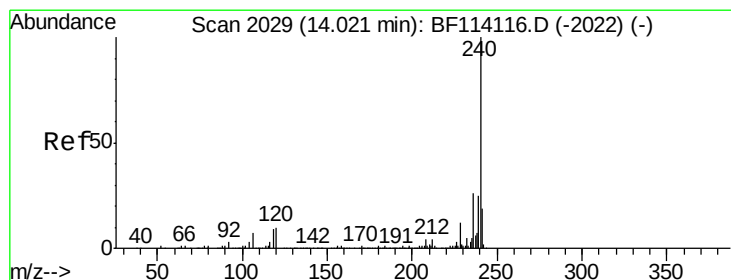
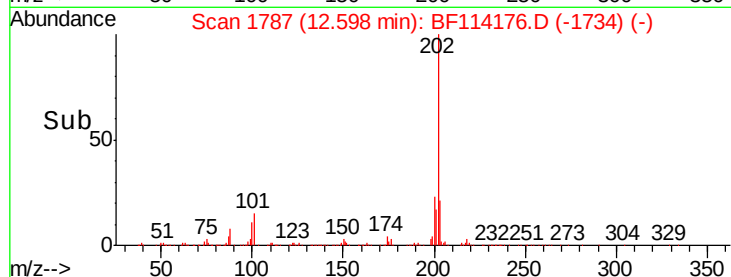
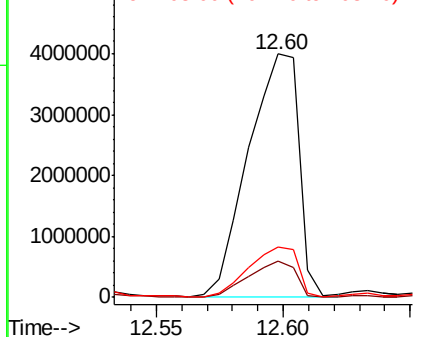


Abundance

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

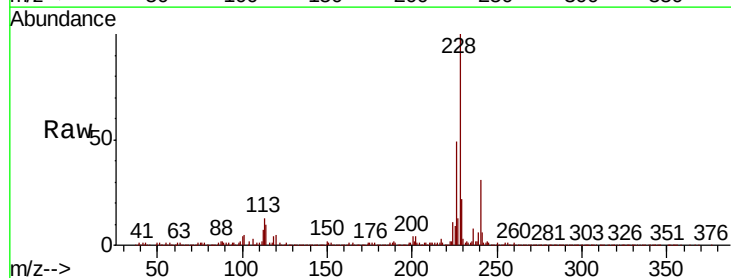
RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

Tgt Ion:	240	Resp:	579624
Ion	Ratio	Lower	Upper
240	100		
120	14.8	8.3	12.5#
236	26.5	20.8	31.2

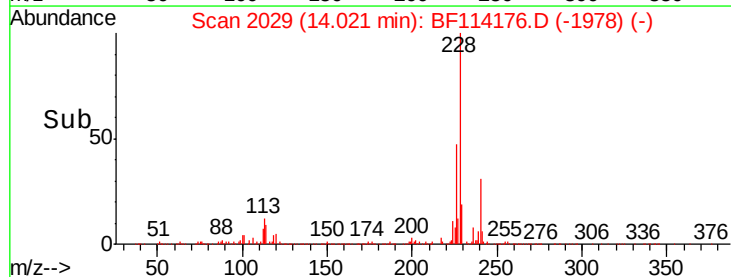
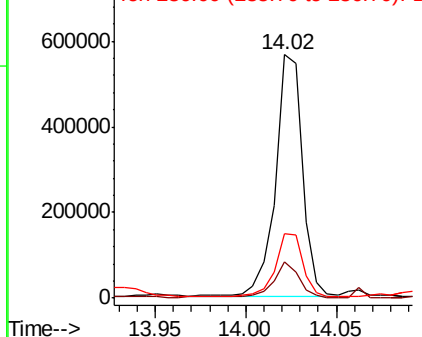


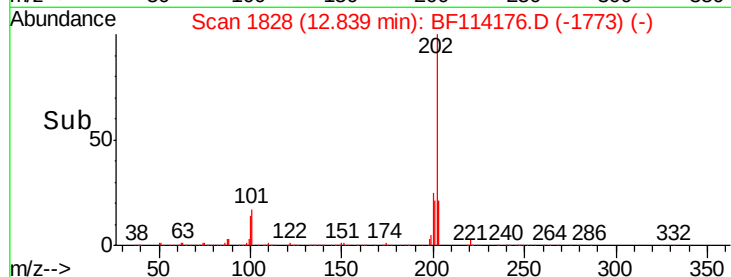
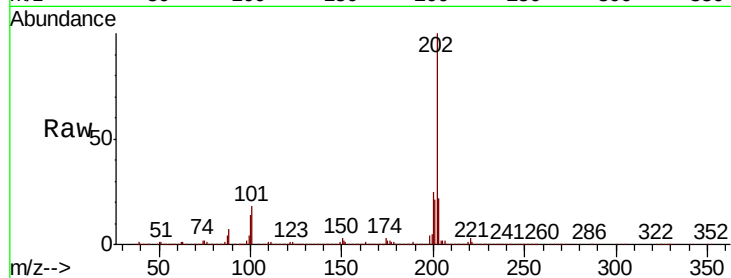
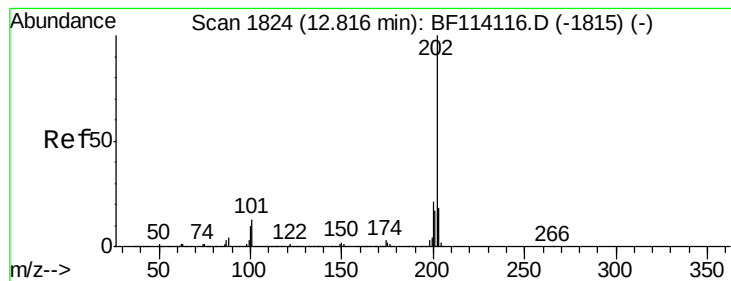
Abundance

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: 189.963 ng/mL

RT: 12.84 min Scan# 1828

Delta R.T. 0.02 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

Tot Ion:	202	Resp:	8857595
Ion	Ratio	Lower	Upper
202	100		
200	25.2	16.9	25.3
203	22.1	14.5	21.7

Instrument :

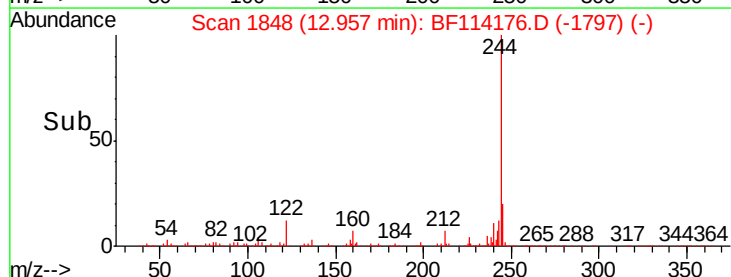
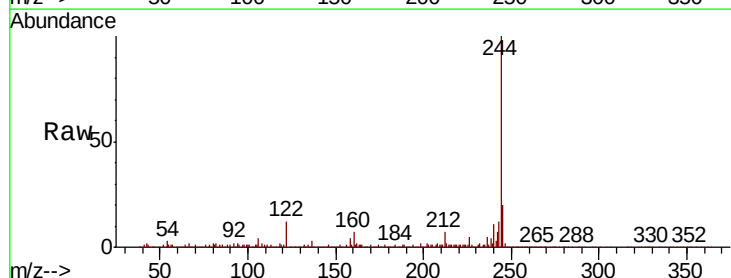
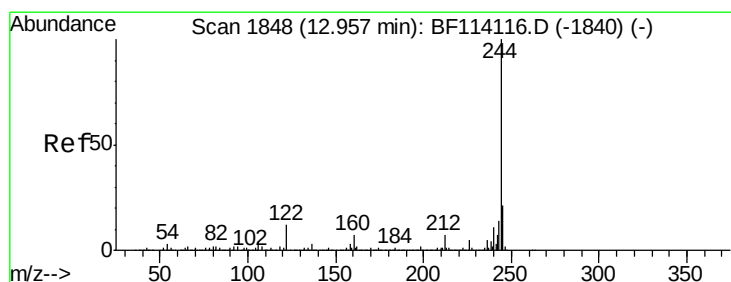
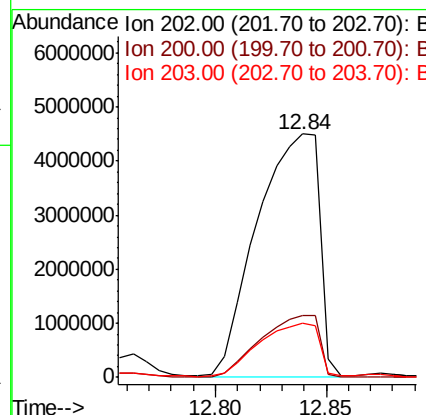
BNA_F

ClientSampleId :

P026-SS006-0002-02

Manual Integrations
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#79

Terphenyl-d14

Concen: 62.921 ng/mL

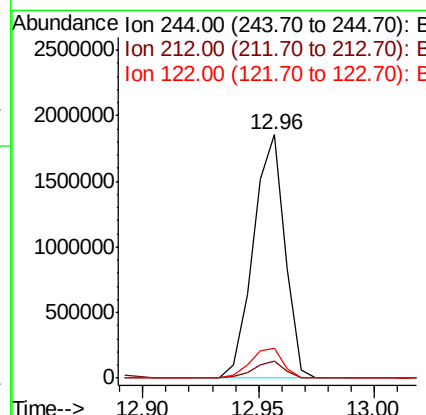
RT: 12.96 min Scan# 1848

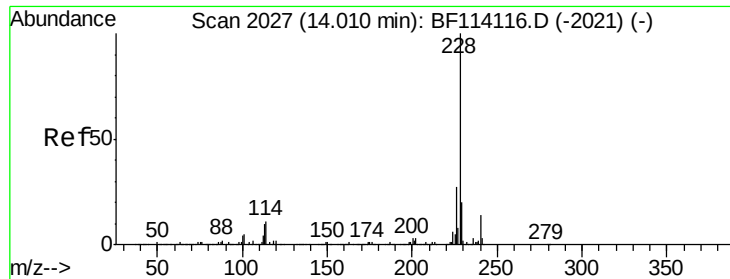
Delta R.T. 0.00 min

Lab File: BF114176.D

Acq: 12 May 2019 1:45

Tgt Ion:	244	Resp:	1769171
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.2	9.4	14.2





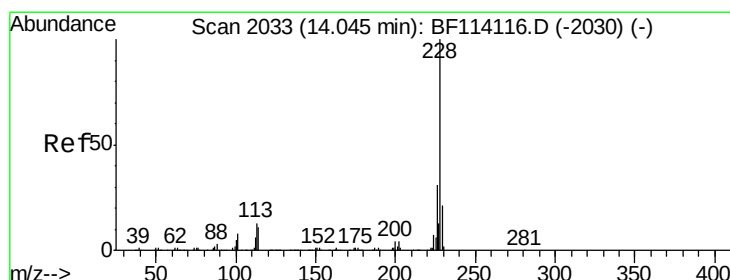
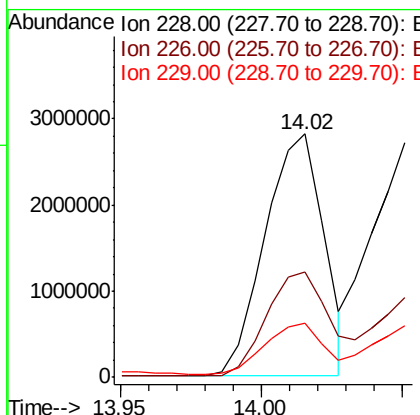
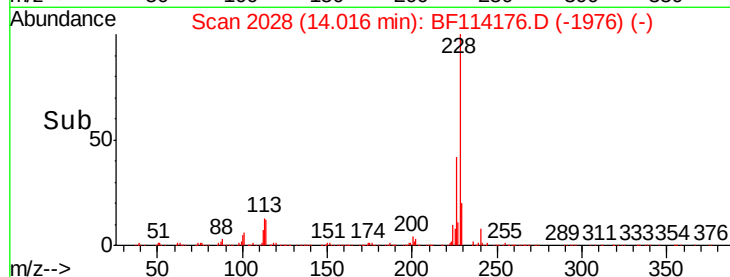
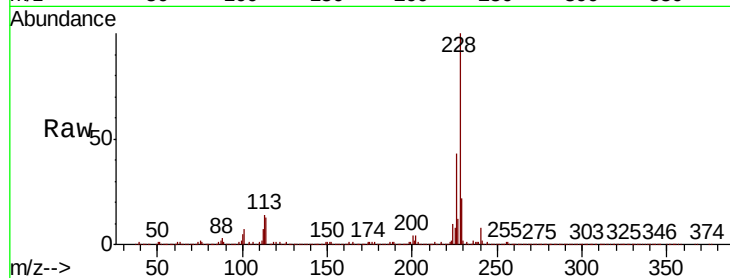
#81
Benzo(a)anthracene
Concen: 108.330 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion:228 Resp: 4061251
Ion Ratio Lower Upper
228 100
226 43.2 22.2 33.2#
229 22.2 16.4 24.6

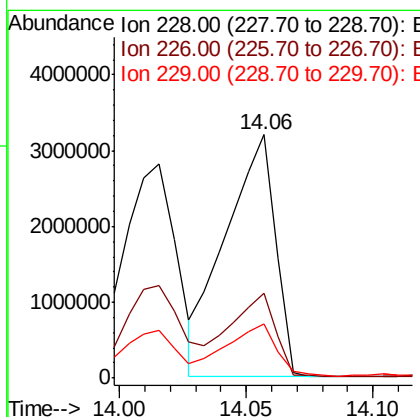
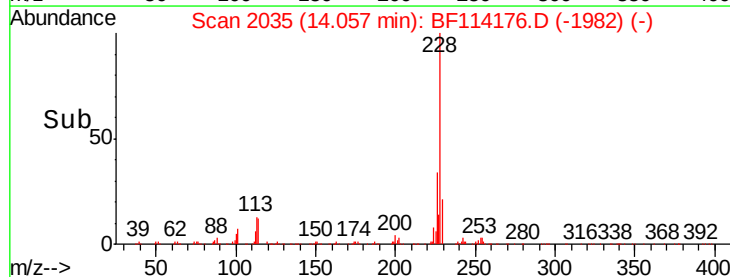
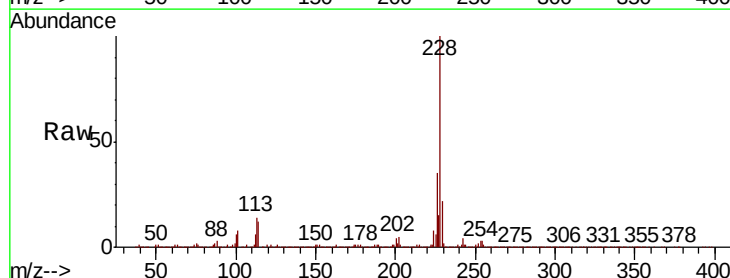
Manual Integrations
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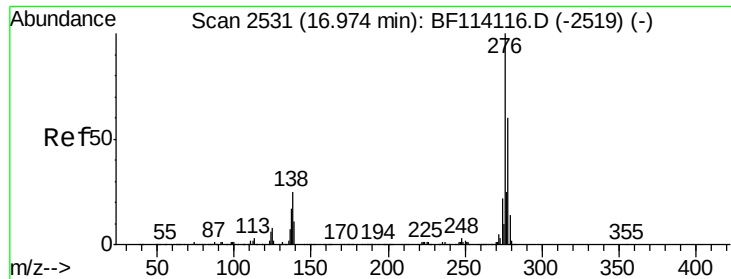
Sohil
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#83
Chrysene
Concen: 119.403 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion:228 Resp: 4388140
Ion Ratio Lower Upper
228 100
226 35.0 25.0 37.6
229 22.1 17.0 25.6





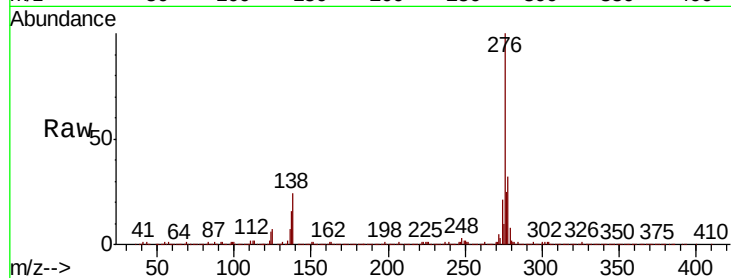
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 70.791 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	24.5	20.0	30.0

Manual Integrations
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Sohil
 5/13/2019 8:36:06 PM

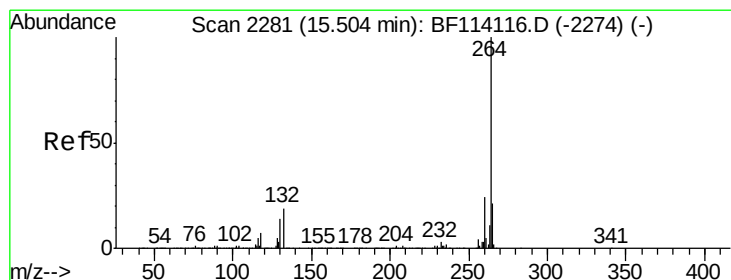
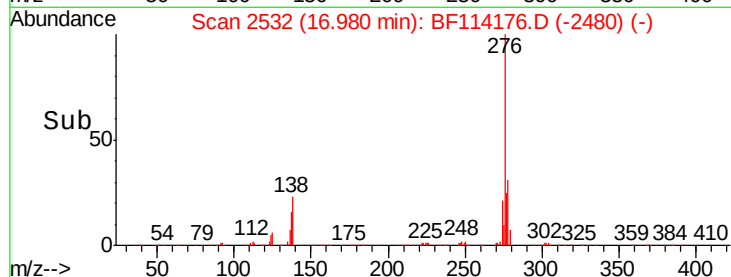
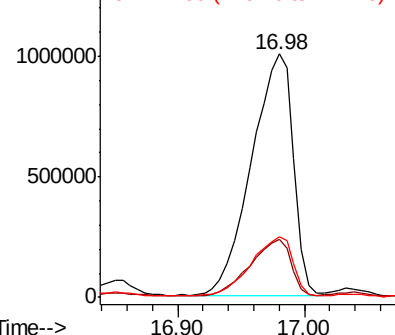


Abundance

Ion 276.00 (275.70 to 276.70): E

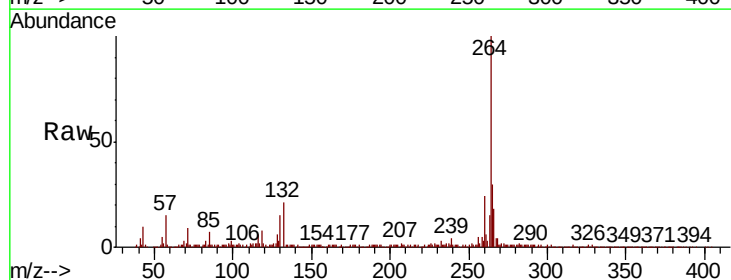
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	30.0	16.9	25.3

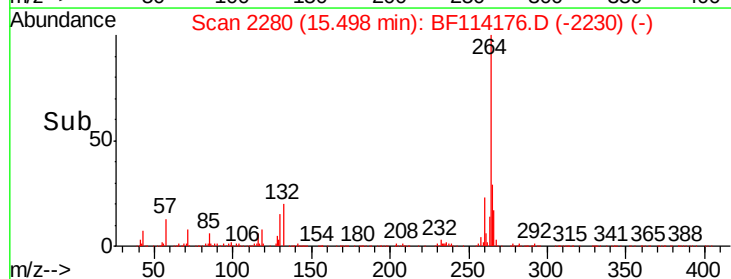
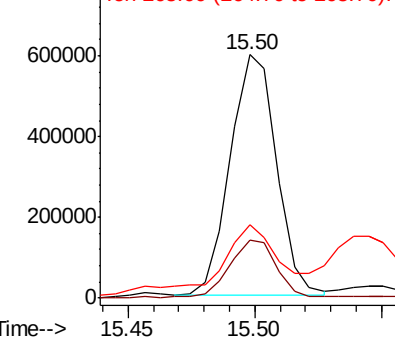


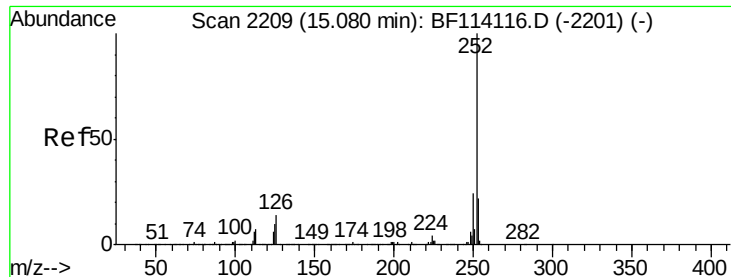
Abundance

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





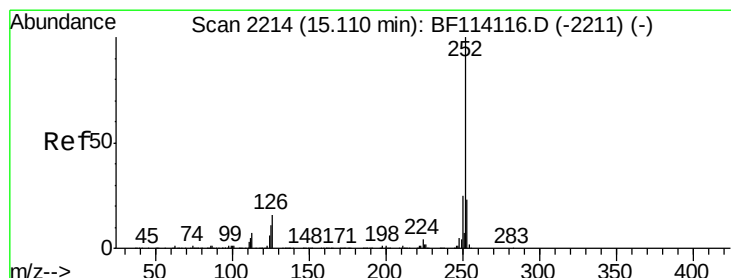
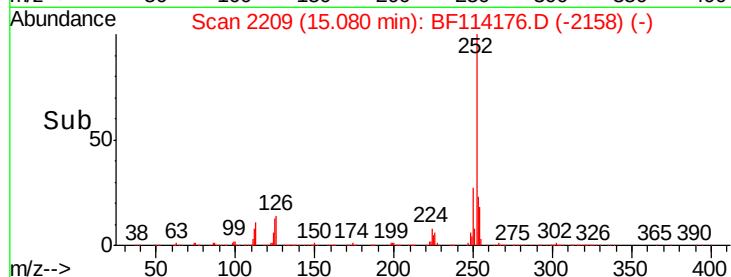
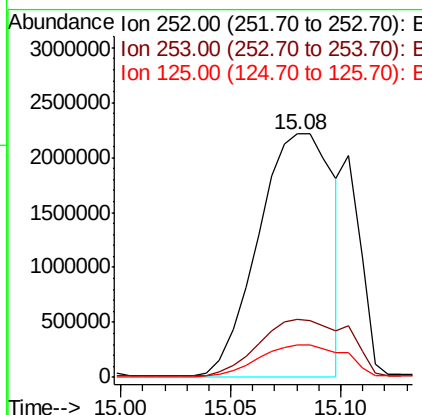
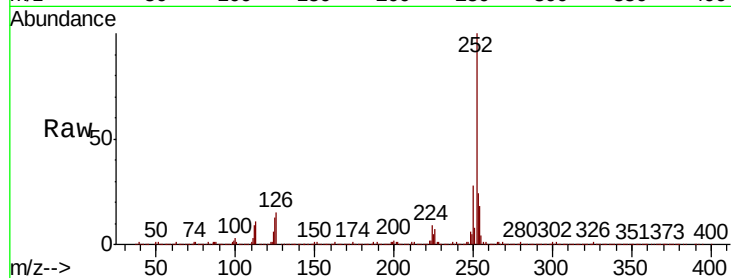
#88
Benzo(b)fluoranthene
Concen: 109.189 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	13.2	8.3	12.5

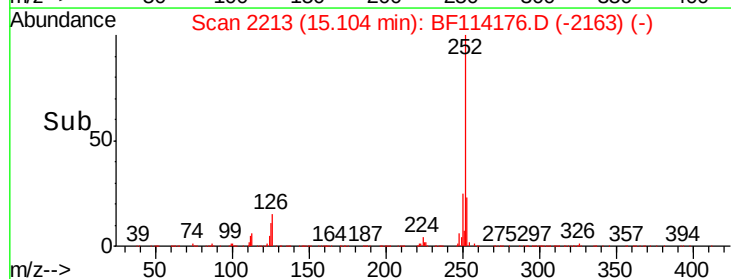
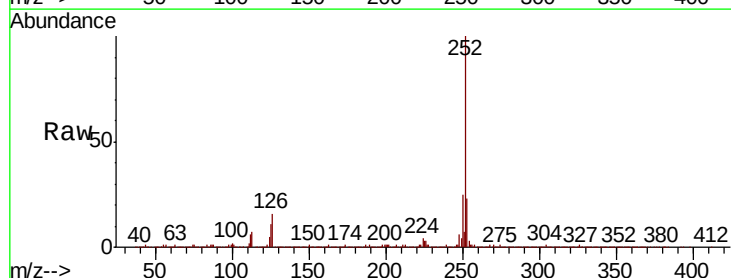
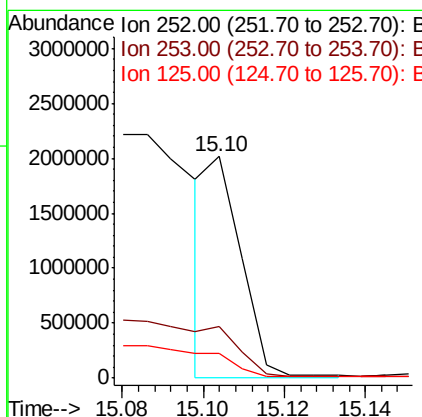
Manual Integrations
APPROVED

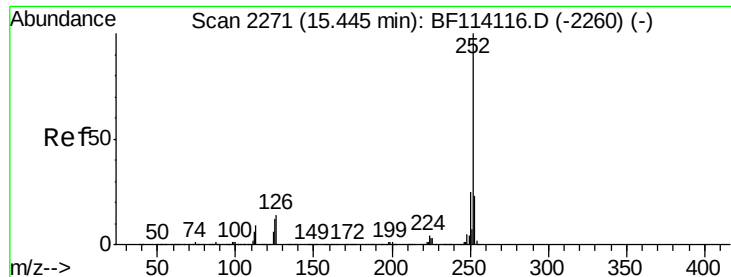
Sohil
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#89
Benzo(k)fluoranthene
Concen: 26.263 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.0	8.6	13.0





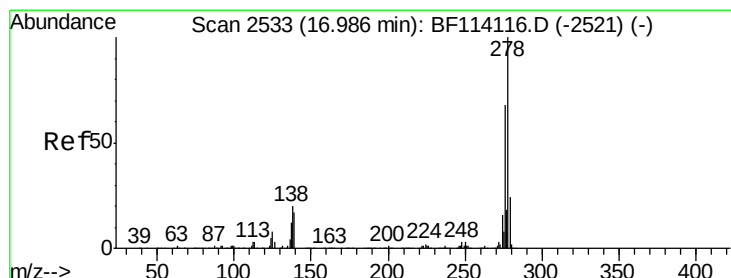
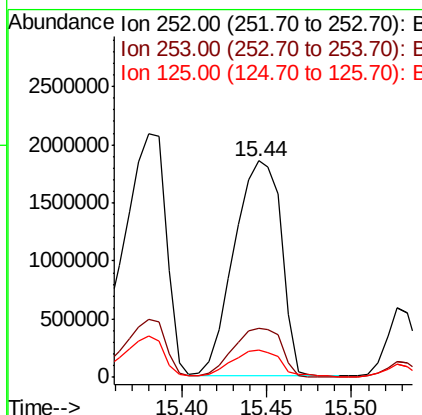
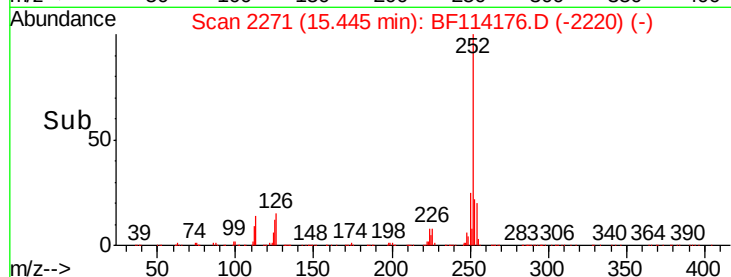
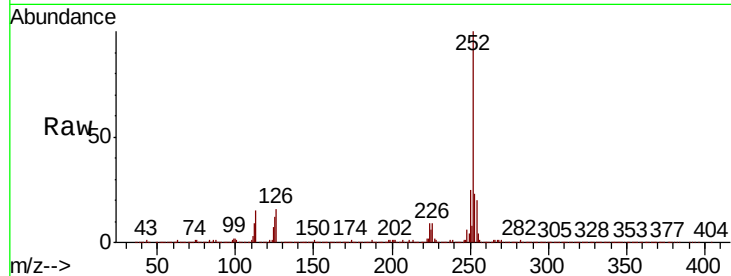
#90
Benzo(a)pyrene
Concen: 84.618 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	12.4	9.5	14.3

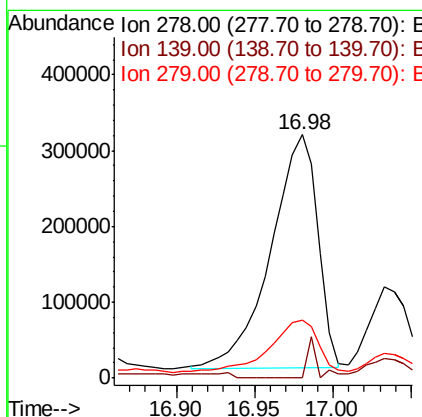
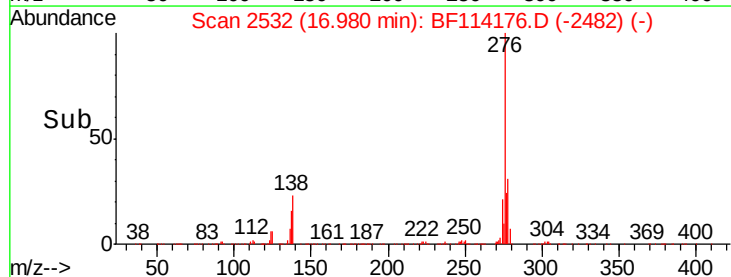
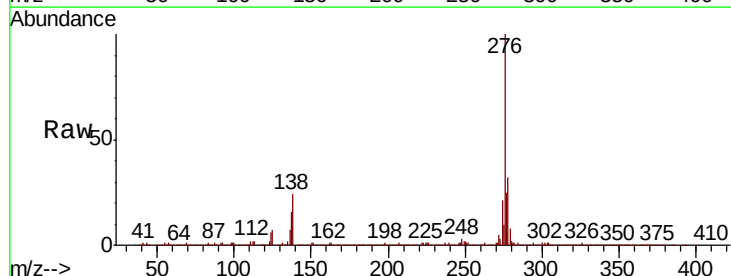
Manual Integrations
APPROVED

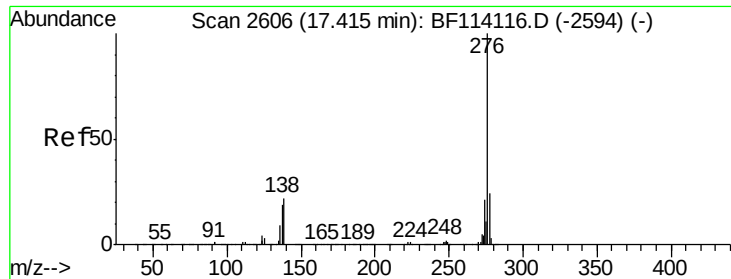
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 17.999 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF114176.D
Acq: 12 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	24.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 72.981 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.02 min
 Lab File: BF114176.D
 Acq: 12 May 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	23.1	17.8	26.6

Manual Integrations
 APPROVED

Sohil
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