

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114214.D
 Acq On : 13 May 2019 1:40
 Operator : JU/SJ
 Sample : K2764-16DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0002-01DL

Manual Integrations
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Sohil
 5/13/2019 8:37:48 PM

Quant Time: May 13 09:28:13 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	272943	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1041925	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	474322	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	837676	20.00	ng	0.00
76) Chrysene-d12	14.02	240	593197	20.00	ng	0.00
87) Perylene-d12	15.49	264	622731	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	790646	46.62	ng	0.00
7) Phenol-d6	6.49	99	1052791	52.48	ng	0.00
23) Nitrobenzene-d5	7.41	82	639106	34.42	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	211102	43.05	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	947782	30.23	ng	0.00
79) Terphenyl-d14	12.95	244	715263	24.86	ng	0.00
Target Compounds						
31) Naphthalene	8.15	128	287959	5.917	ng	97
37) 2-Methylnaphthalene	8.85	142	111330	3.545	ng	96
38) 1-Methylnaphthalene	8.95	142	71021	2.402	ng	99
49) Acenaphthylene	9.75	152	536109	11.430	ng	97
50) Dimethylphthalate	9.60	163	105965	3.043	ng	99
58) Fluorene	10.43	166	67980	2.085	ng	98
71) Phenanthrene	11.40	178	2021968	49.614	ng	99
72) Anthracene	11.45	178	335131	8.187	ng	99
75) Fluoranthene	12.59	202	2593331	59.091	ng	96
78) Pyrene	12.83	202	4237601	88.802	ng	96
81) Benzo(a)anthracene	14.01	228	1680904m	43.810	ng	
83) Chrysene	14.04	228	1979448	52.629	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	753777	22.677	ng	98
88) Benzo(b)fluoranthene	15.07	252	1829153m	45.848	ng	
89) Benzo(k)fluoranthene	15.08	252	644143m	17.576	ng	
90) Benzo(a)pyrene	15.43	252	1185459	33.763	ng	100
91) Dibenzo(a,h)anthracene	16.97	278	210159	7.203	ng	97
92) Benzo(g,h,i)perylene	17.42	276	867547	29.671	ng	98

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

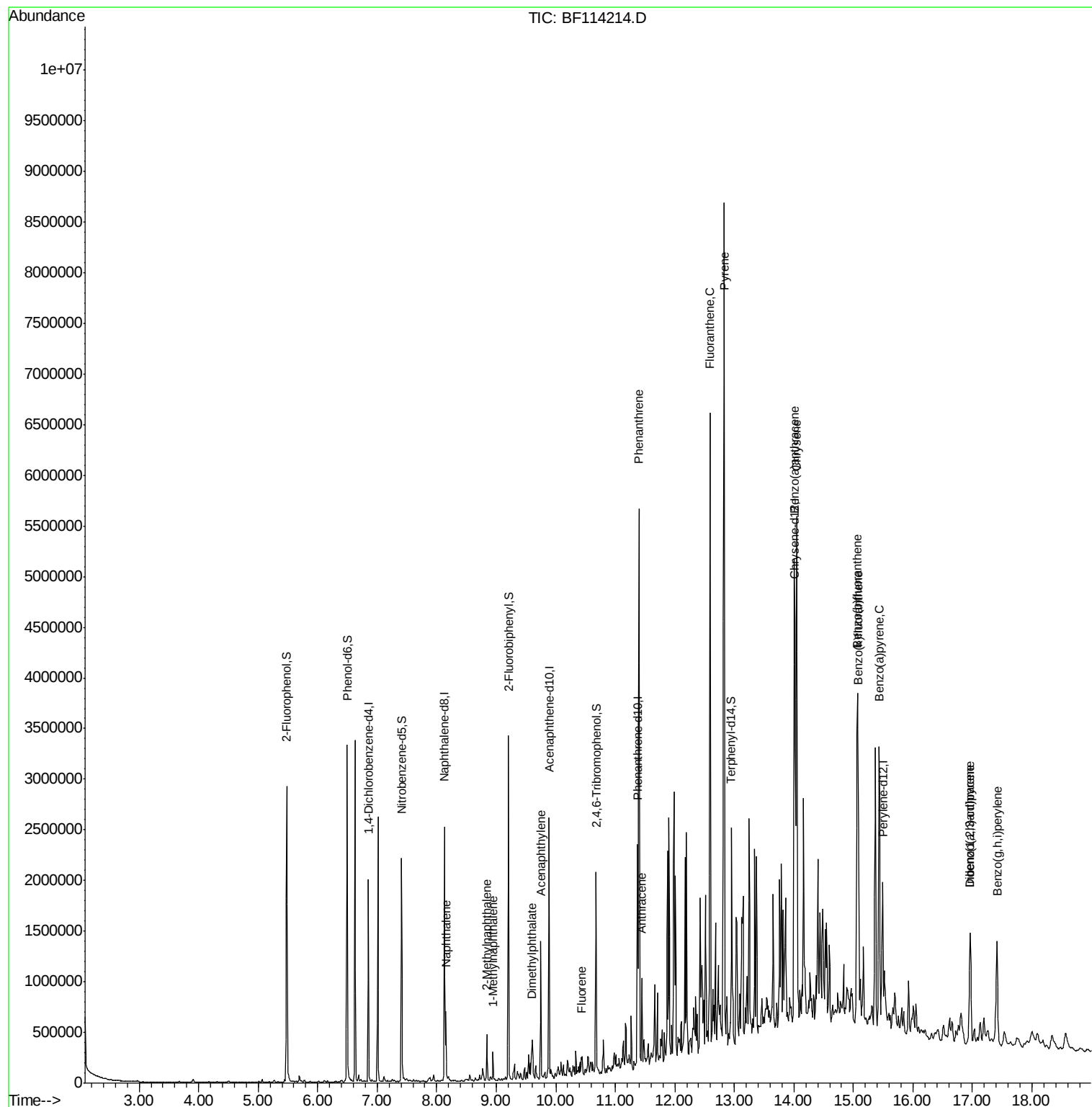
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114214.D
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ALS Vial : 27 Sample Multiplier: 1

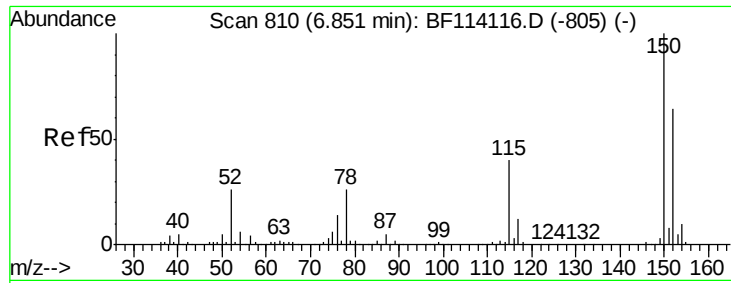
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

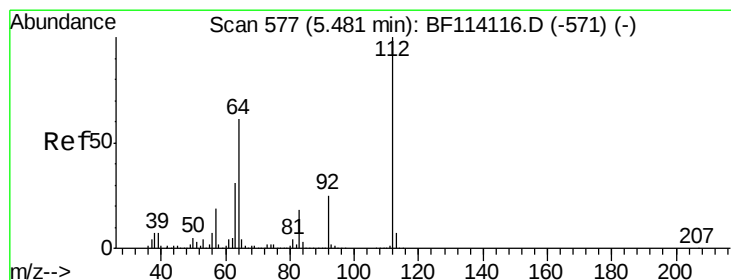
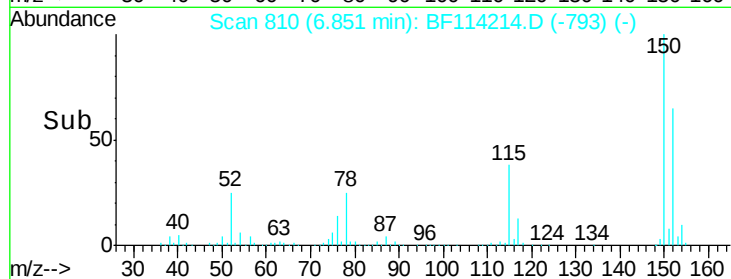
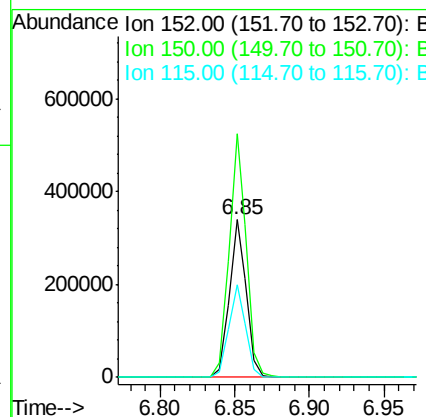
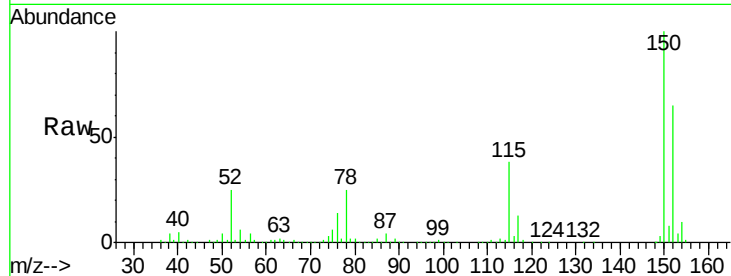
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.3	186.5
115	59.0	49.1	73.7

Manual Integrations
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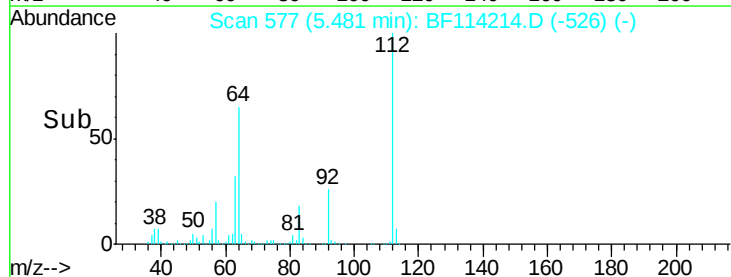
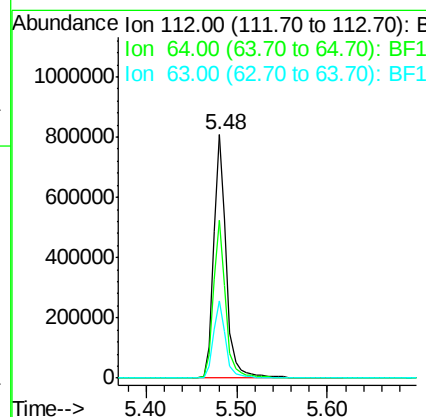
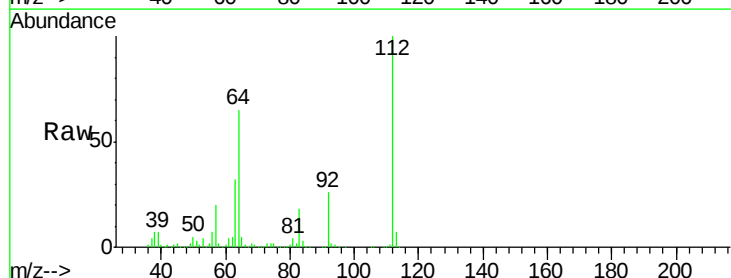
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#5

2-Fluorophenol
Concen: 46.616 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	49.0	73.6
63	31.8	24.6	37.0





#7

Phenol-d6

Concen: 52.482 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114214.D

Acq: 13 May 2019 1:40

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0002-01DL

Tot Ion: 99 Resp: 1052791

Ion Ratio Lower Upper

99 100

42 21.2 17.9 26.9

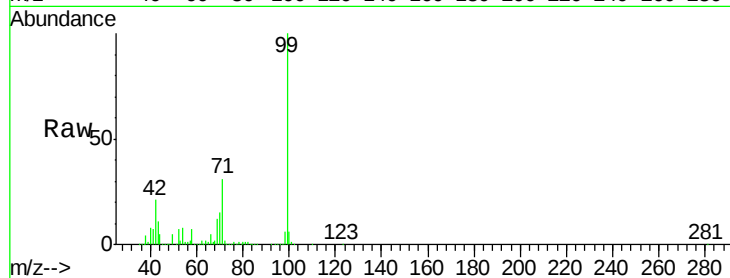
71 31.5 26.2 39.2

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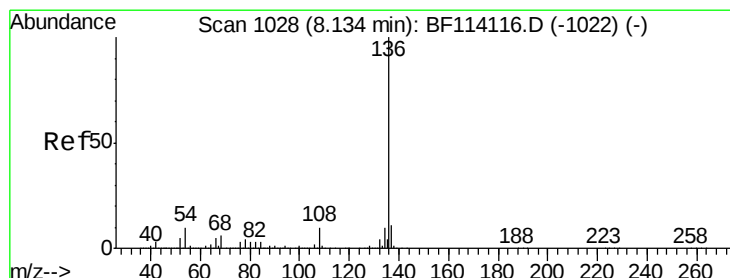
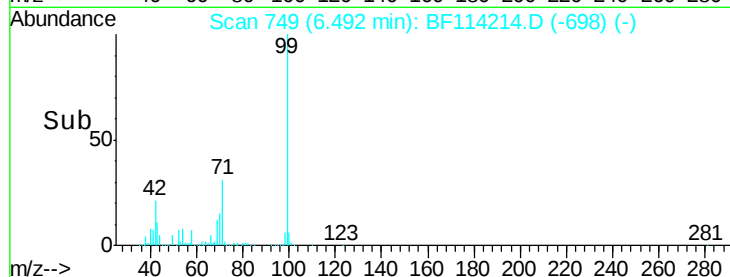
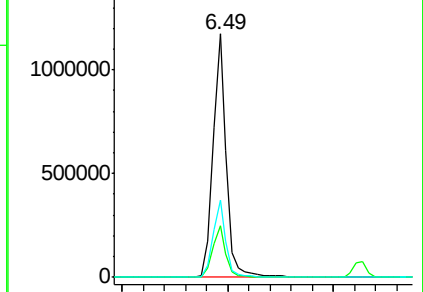
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF114214.D

Acq: 13 May 2019 1:40

Tgt Ion: 136 Resp: 1041925

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.2 7.8 11.8

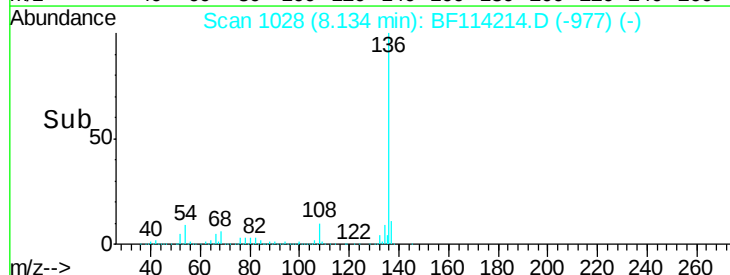
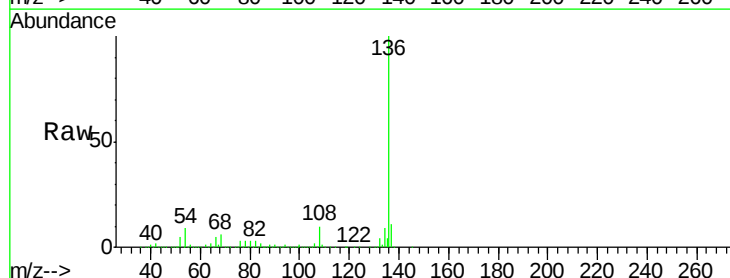
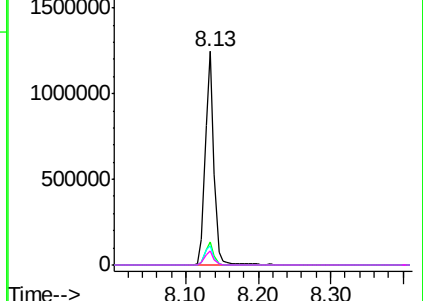
68 6.5 5.1 7.7

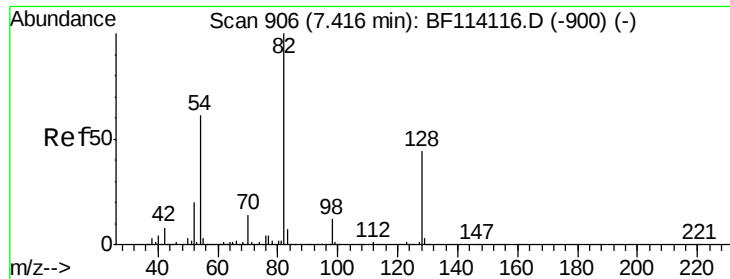
Abundance Ion 136.00 (135.70 to 136.70): E

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





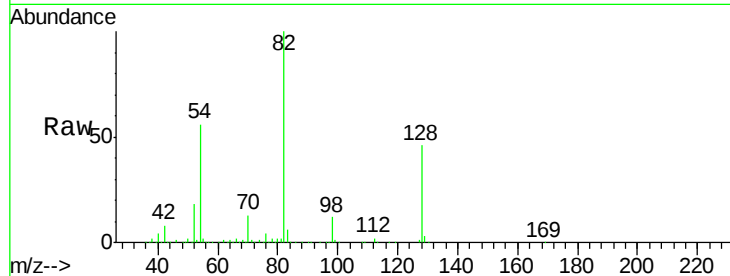
#23
Nitrobenzene-d5
Concen: 34.423 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	639106		
128	45.7	35.5	53.3	
54	56.3	48.5	72.7	

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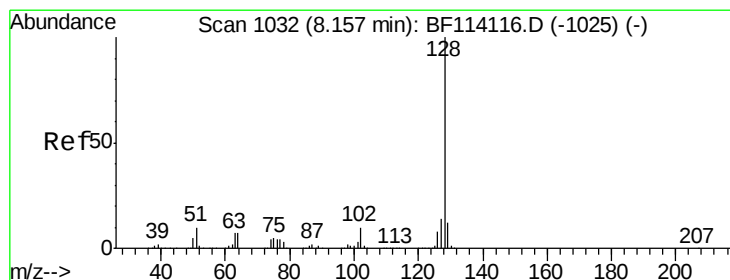
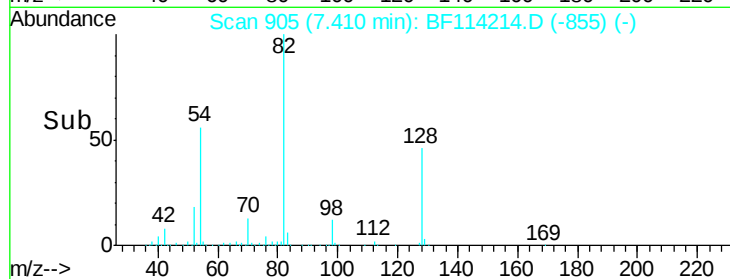
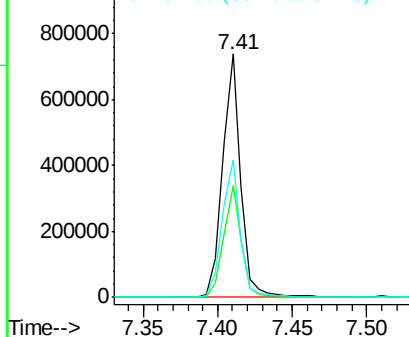


Abundance

Ion 82.00 (81.70 to 82.70): BF1

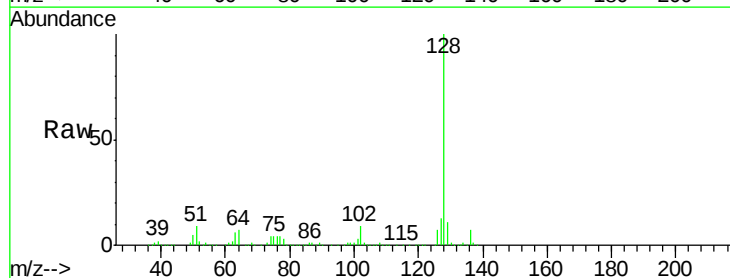
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 5.917 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	287959		
129	10.8	9.6	14.4	
127	12.9	11.3	16.9	

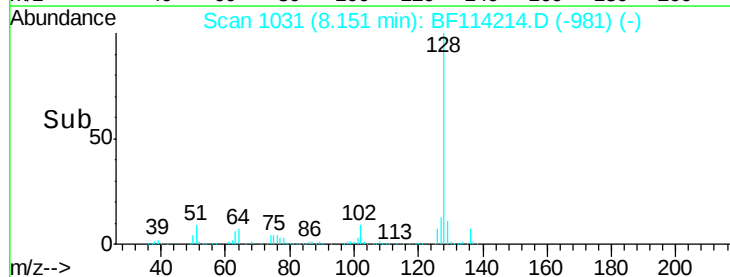
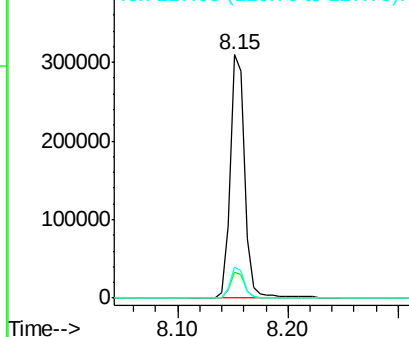


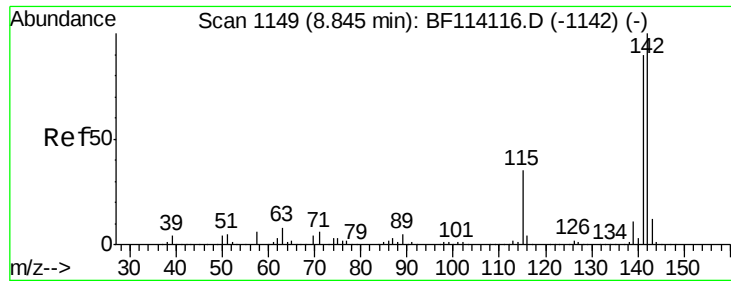
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





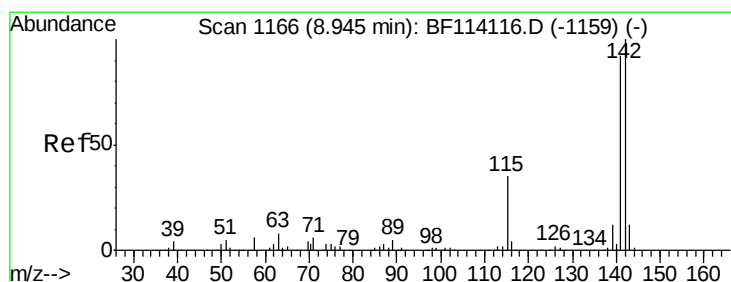
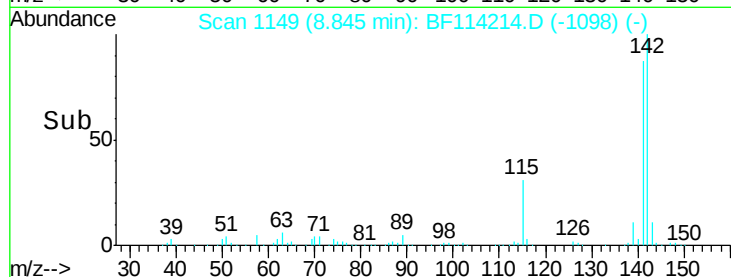
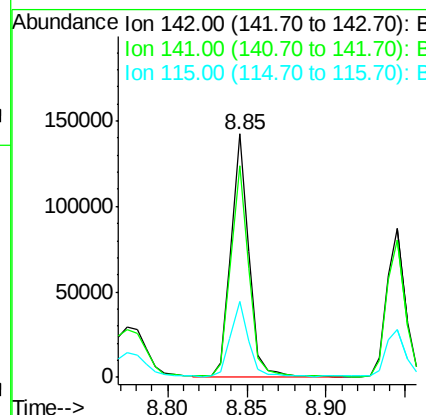
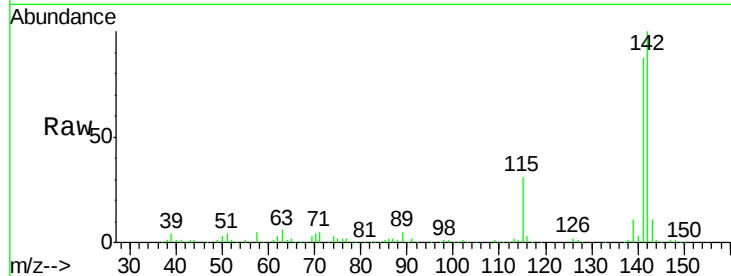
#37
2-Methylnaphthalene
Concen: 3.545 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	111330		
141	87.1	72.1	108.1	
115	31.2	28.0	42.0	

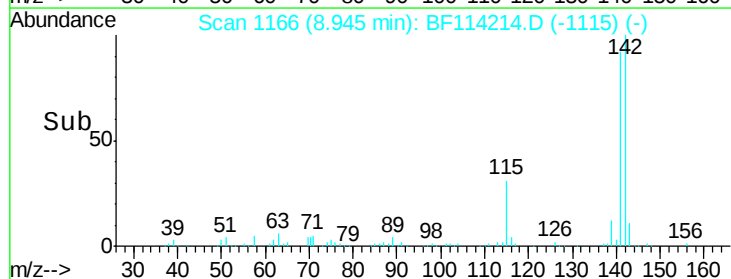
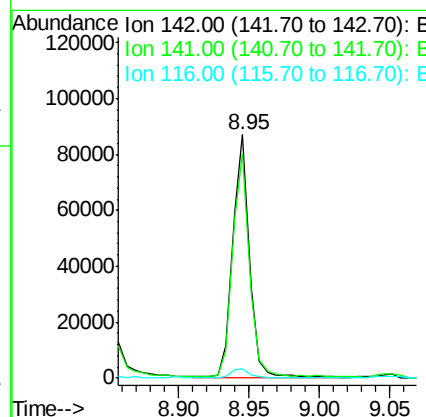
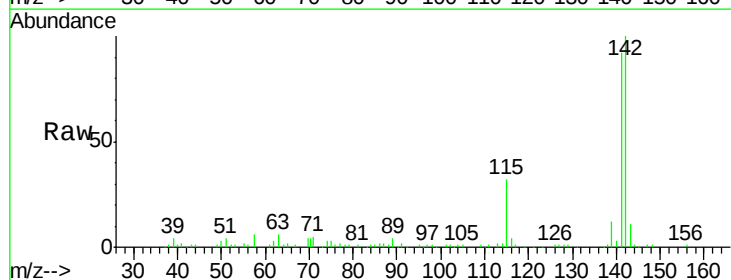
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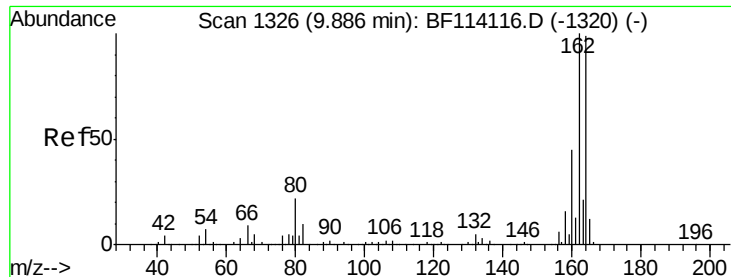
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#38
1-Methylnaphthalene
Concen: 2.402 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	71021		
141	92.4	73.4	110.0	
116	3.9	3.1	4.7	





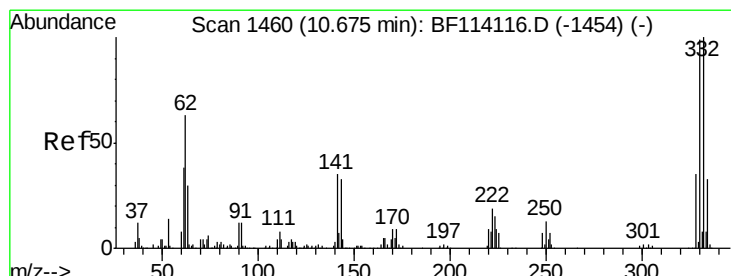
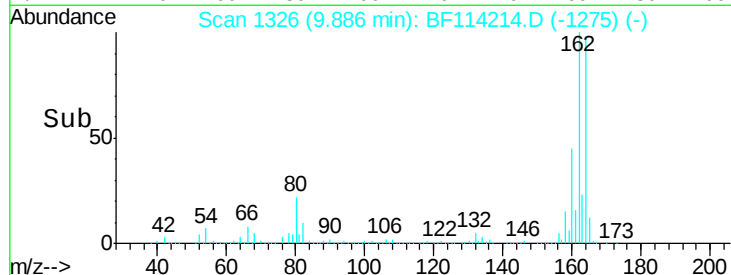
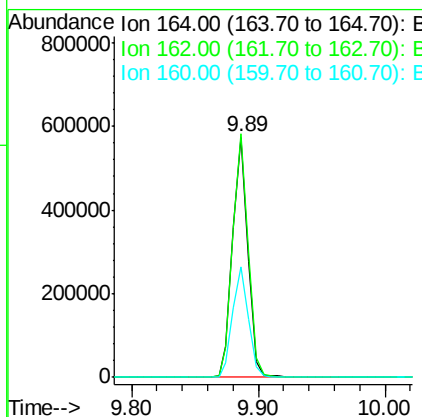
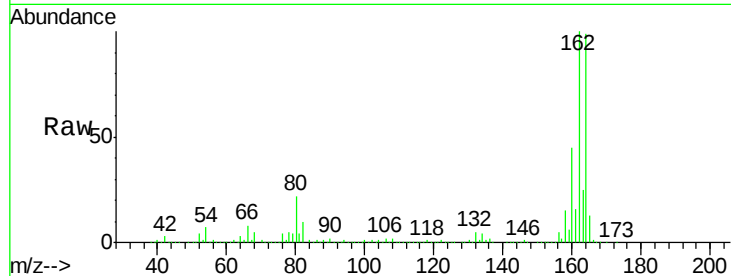
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	80.6	120.8	
160	45.9	36.5	54.7	

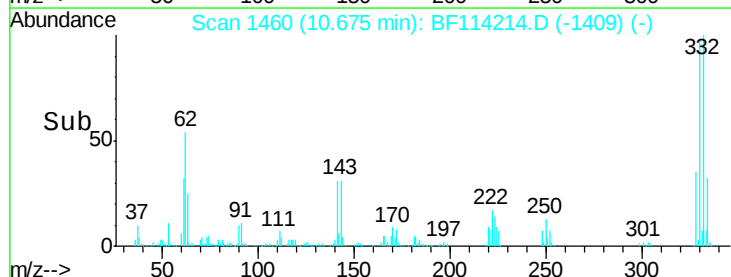
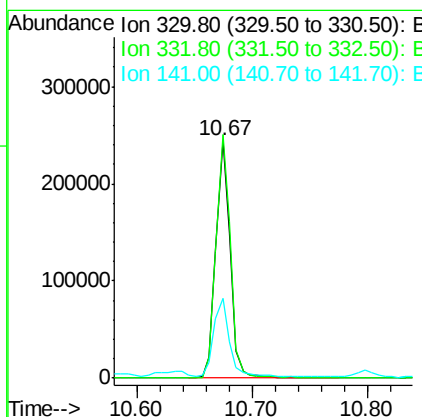
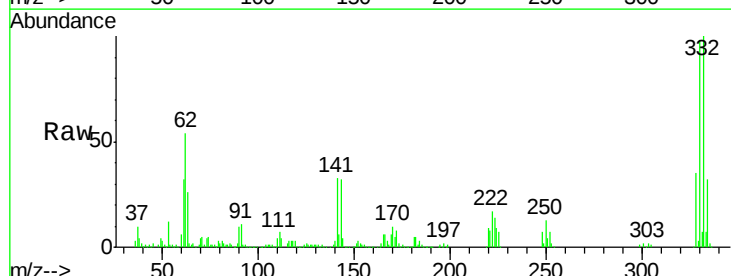
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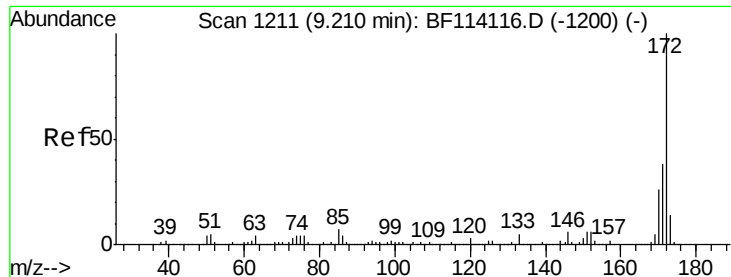
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#42
2,4,6-Tribromophenol
Concen: 43.050 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.9	81.4	122.2	
141	34.4	26.6	40.0	





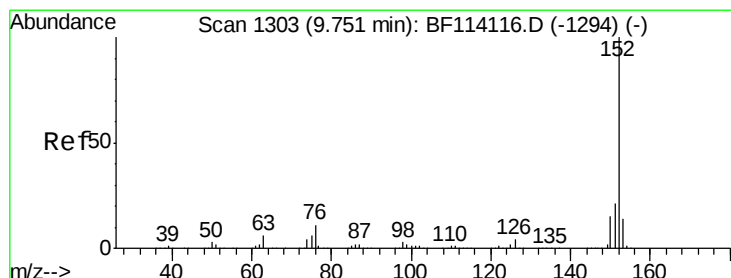
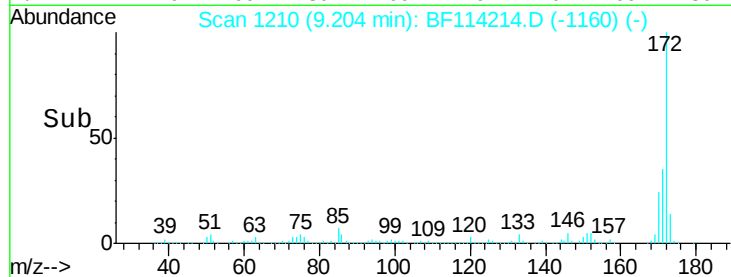
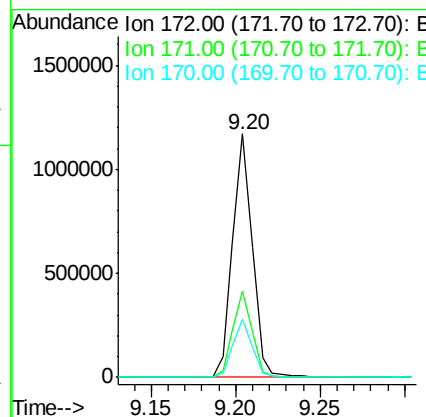
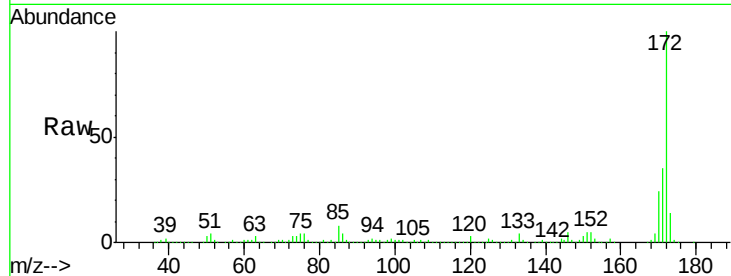
#45
2-Fluorobiphenyl
Concen: 30.226 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.7	46.1
170	23.8	20.5	30.7

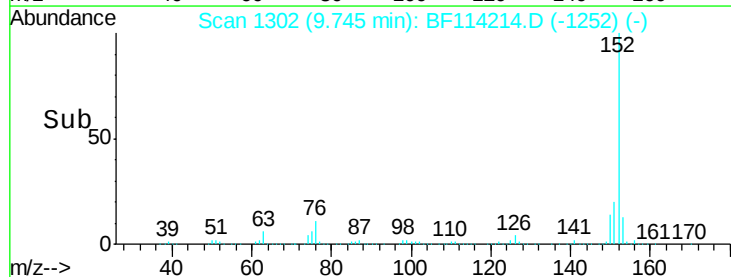
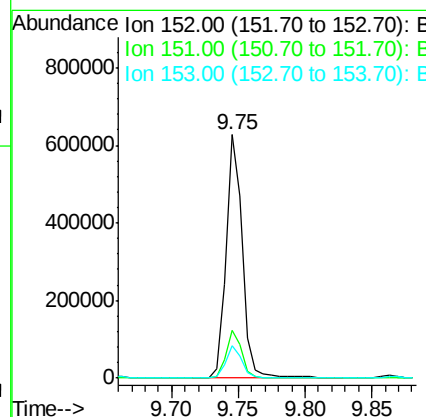
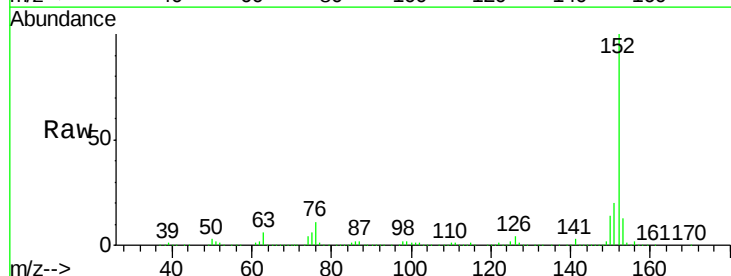
Manual Integrations
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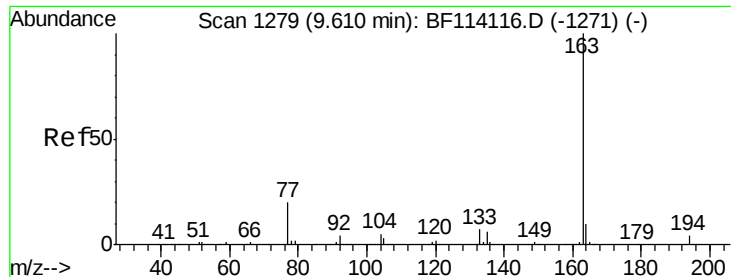
Sohil
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#49
Acenaphthylene
Concen: 11.430 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	13.4	11.4	17.2





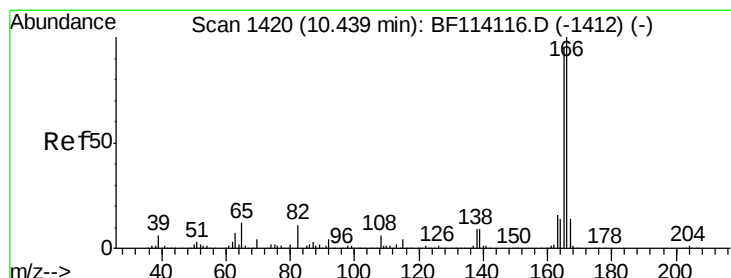
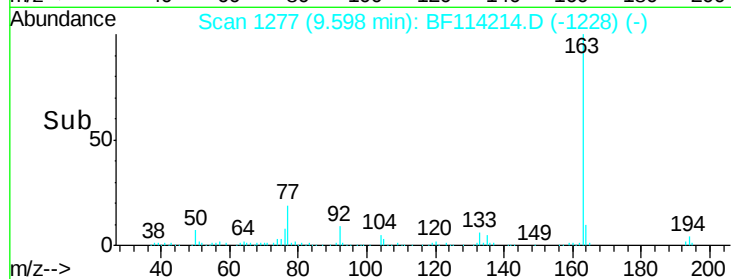
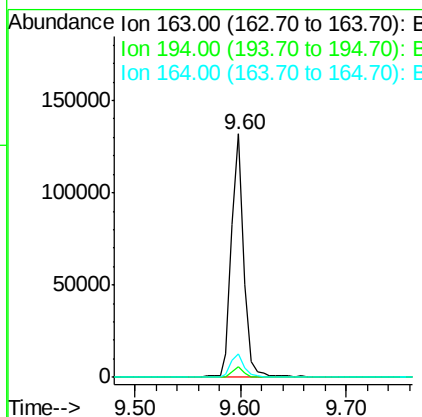
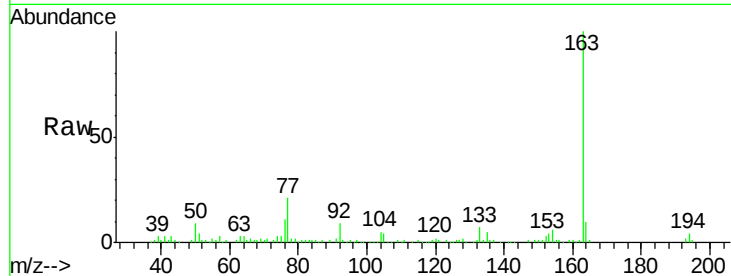
#50
Dimethylphthalate
Concen: 3.043 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	3.4	5.0	
164	9.8	8.2	12.2	

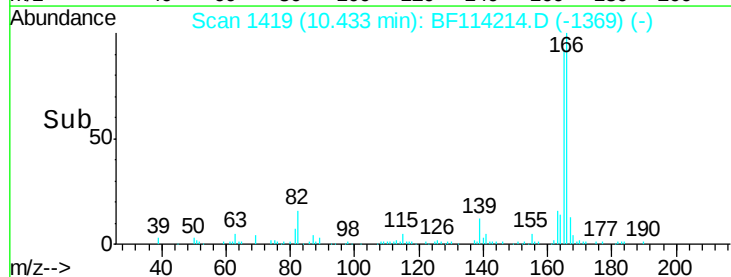
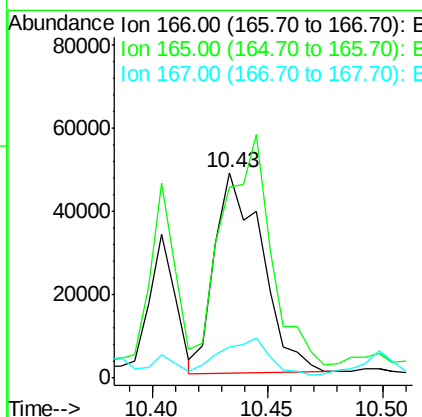
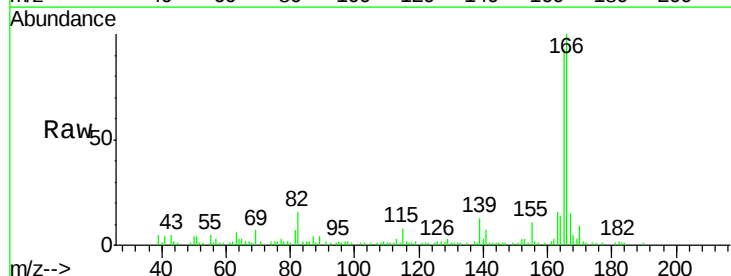
Manual Integrations
APPROVED

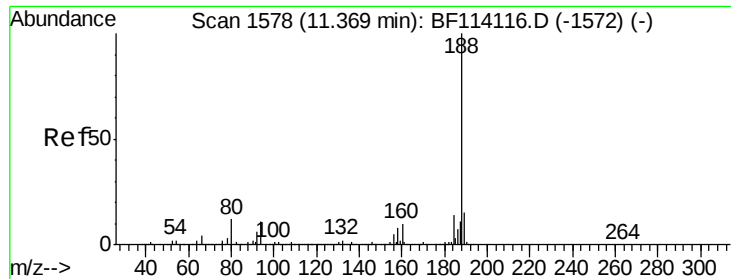
Sohil
5/13/2019 8:37:48 PM



#58
Fluorene
Concen: 2.085 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	92.8	76.1	114.1	
167	15.3	11.1	16.7	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114214.D

Acq: 13 May 2019 1:40

Instrument :

BNA_F

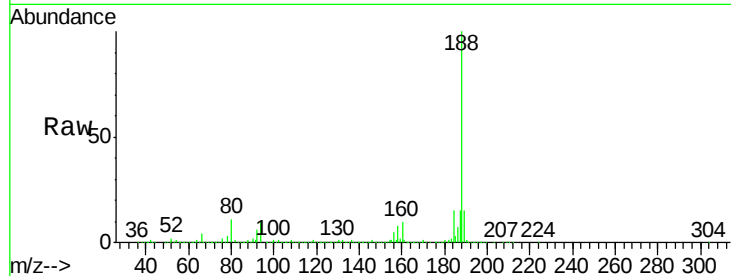
ClientSampleId :

P026-SS002-0002-01DL

Tot Ion:	188	Resp:	837676
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.4	12.6
80	10.8	9.2	13.8

Manual Integrations
APPROVED

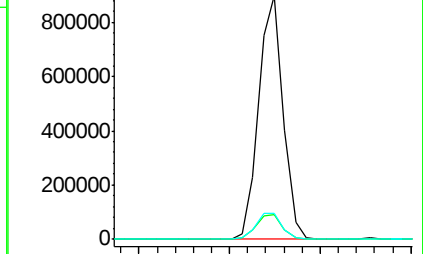
Sohil
5/13/2019 8:37:48 PM



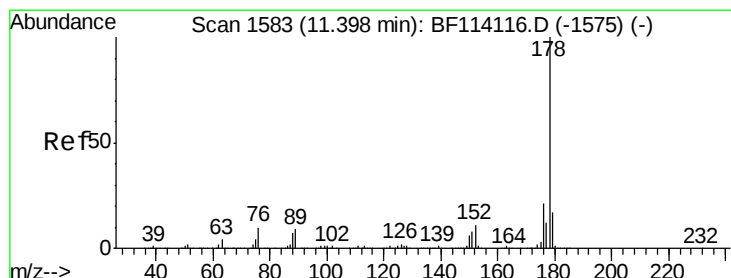
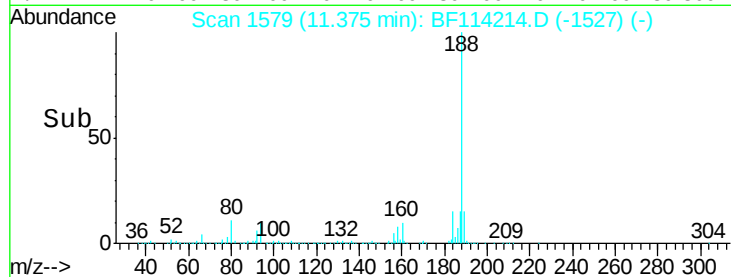
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#71

Phenanthrene

Concen: 49.614 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF114214.D

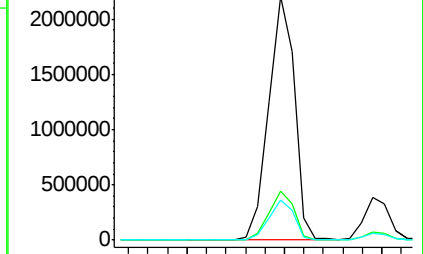
Acq: 13 May 2019 1:40

Tgt Ion:	178	Resp:	2021968
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.4	24.6
179	16.6	13.2	19.8

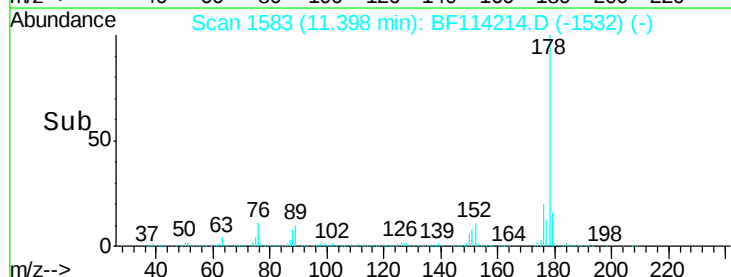
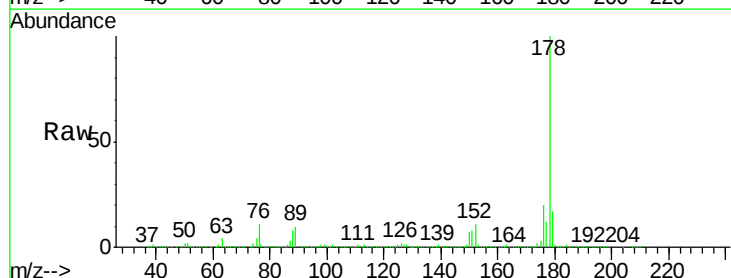
Abundance Ion 178.00 (177.70 to 178.70): E

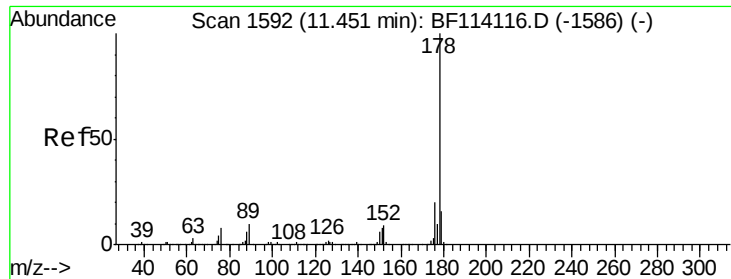
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





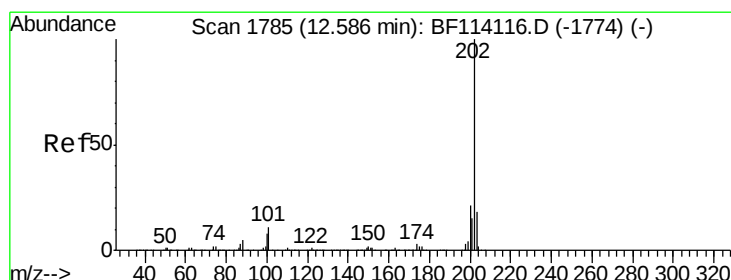
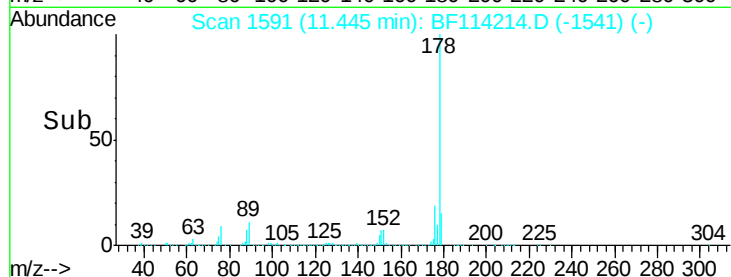
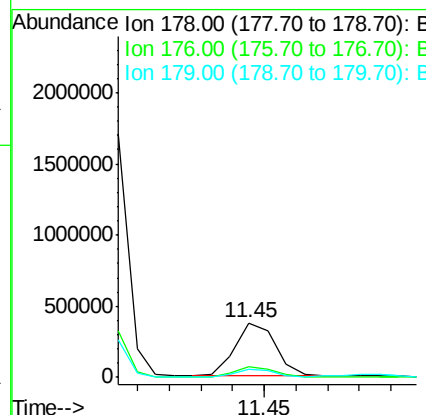
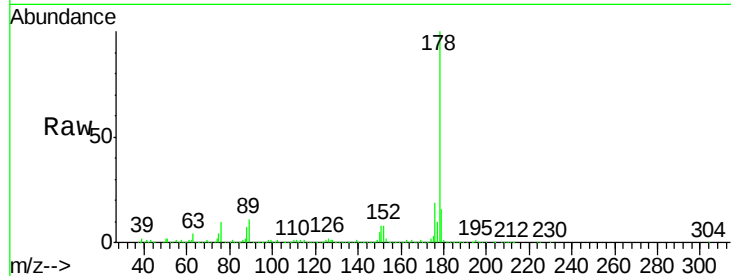
#72
 Anthracene
 Concen: 8.187 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF114214.D
 Acq: 13 May 2019 1:40

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0002-01DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.0	13.0	19.4

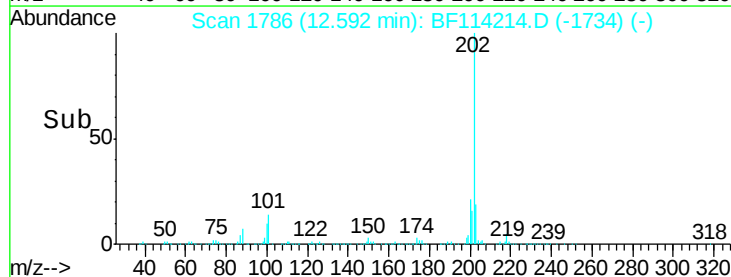
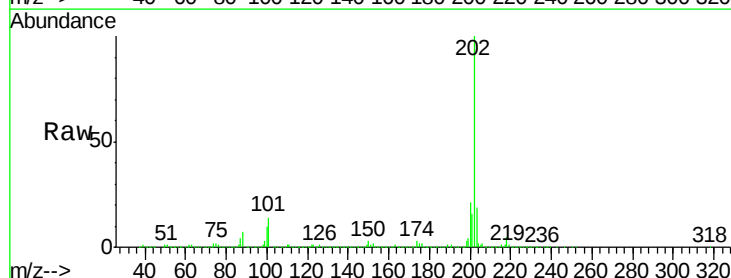
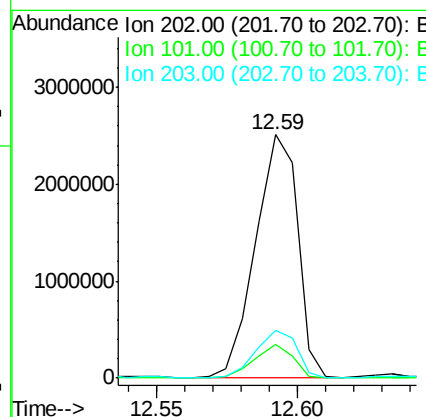
Manual Integrations
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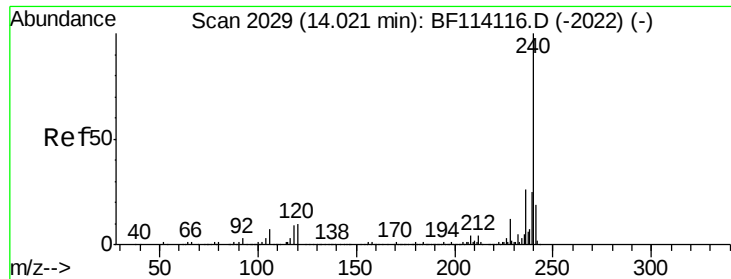
Sohil
 5/13/2019 8:37:48 PM



#75
 Fluoranthene
 Concen: 59.091 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF114214.D
 Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.0
203	19.4	0.0	38.4





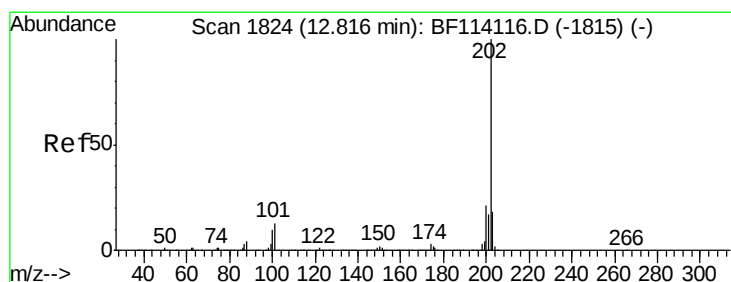
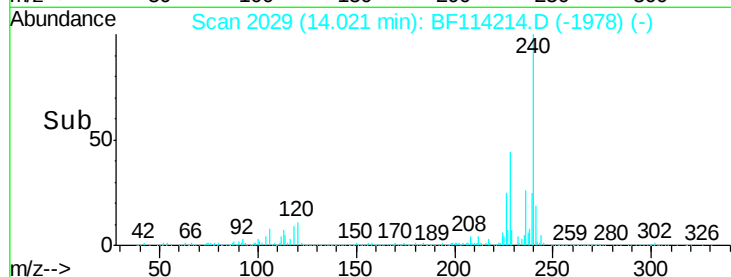
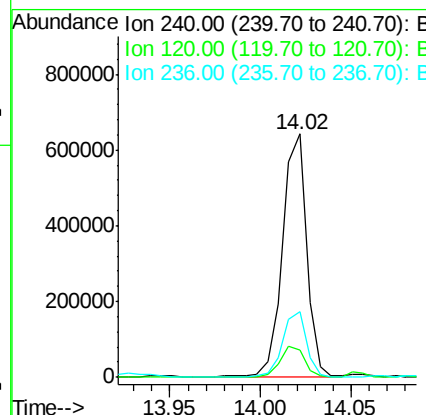
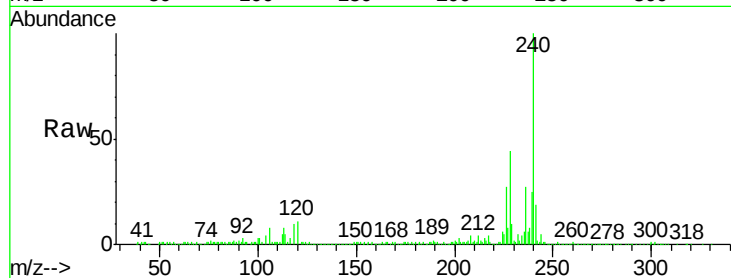
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	593197		
120	11.3		8.3	12.5
236	26.9		20.8	31.2

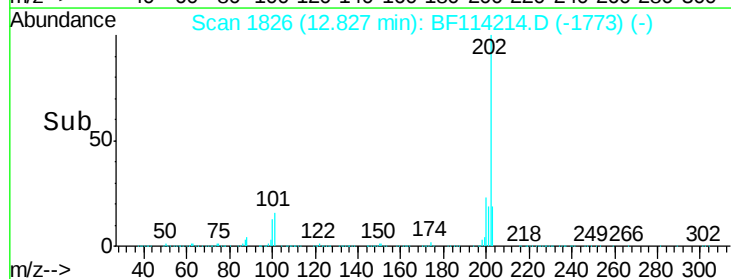
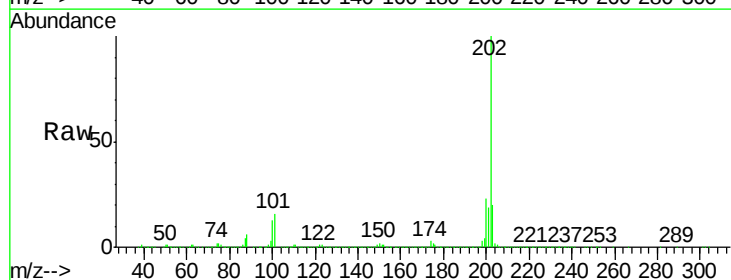
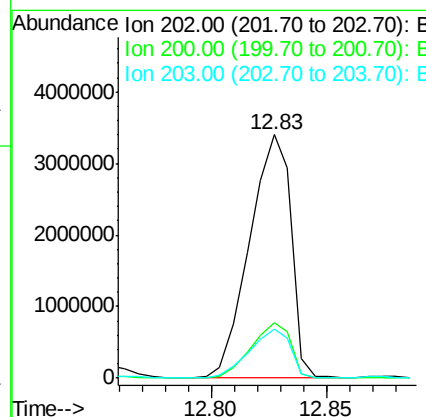
Manual Integrations
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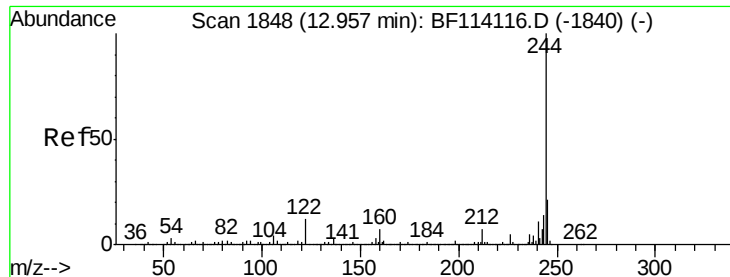
Sohil
5/13/2019 8:37:48 PM



#78
Pyrene
Concen: 88.802 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4237601		
200	22.9		16.9	25.3
203	19.9		14.5	21.7





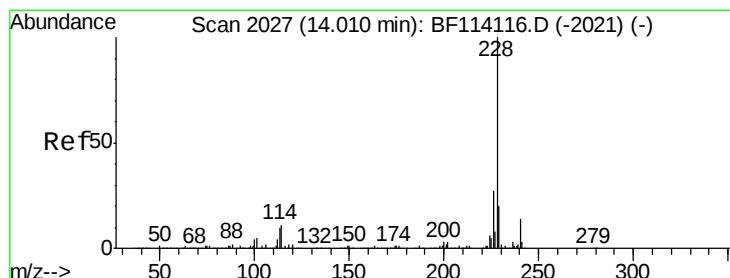
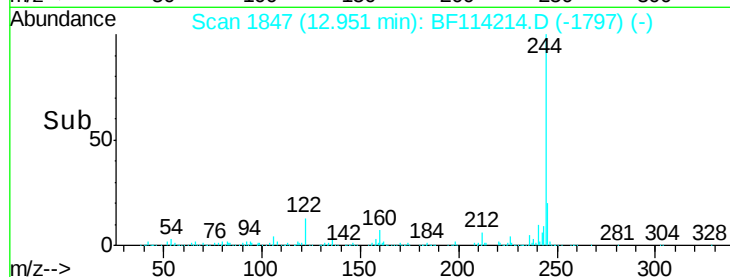
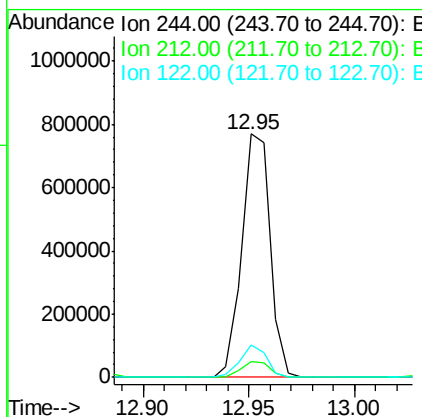
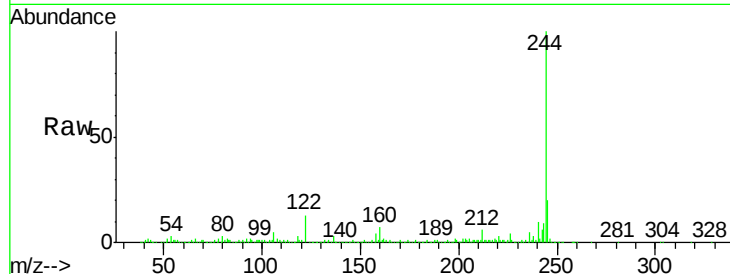
#79
 Terphenyl-d14
 Concen: 24.856 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114214.D
 Acq: 13 May 2019 1:40

Instrument :
 BNA_F
 ClientSampleID :
 P026-SS002-0002-01DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	13.4	9.4	14.2

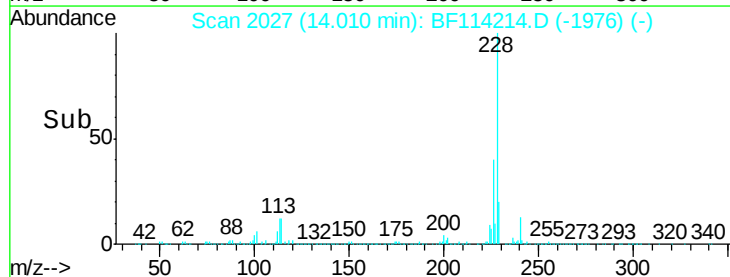
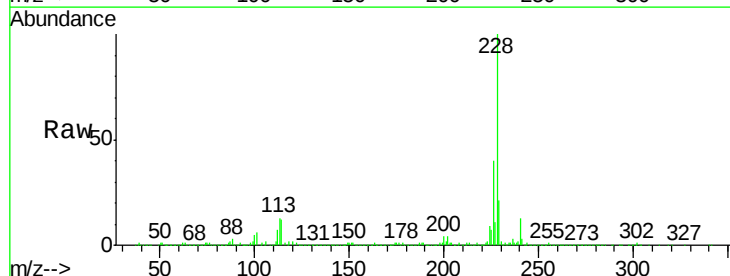
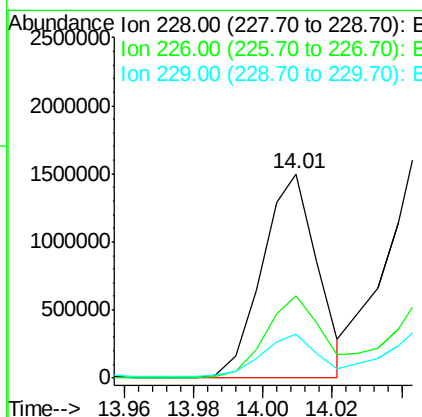
Manual Integrations
 APPROVED

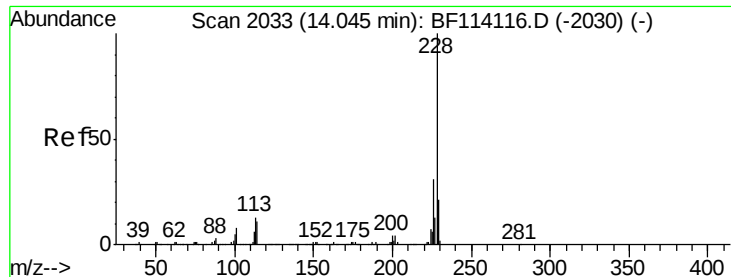
Sohil
 5/13/2019 8:37:48 PM



#81
 Benzo(a)anthracene
 Concen: 43.810 ng m
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF114214.D
 Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.2	22.2	33.2#
229	21.4	16.4	24.6





#83

Chrysene

Concen: 52.629 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF114214.D

Acq: 13 May 2019 1:40

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0002-01DL

Tot Ion:228 Resp: 1979448

Ion Ratio Lower Upper

228 100

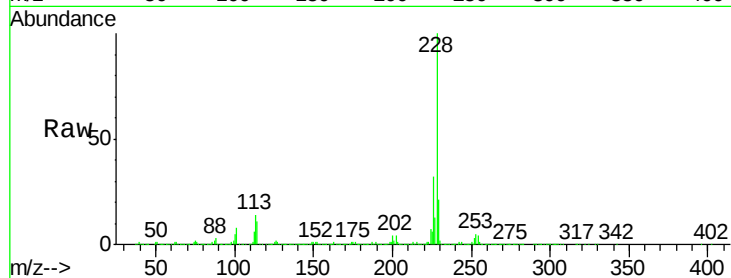
226 32.4 25.0 37.6

229 20.9 17.0 25.6

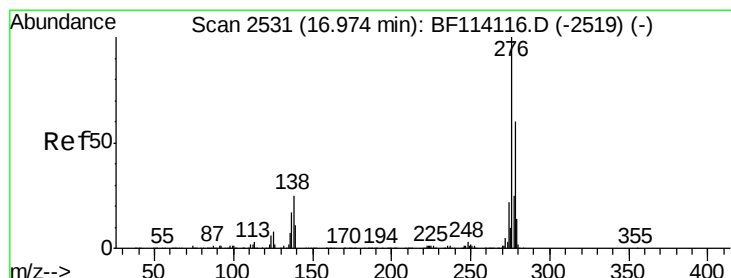
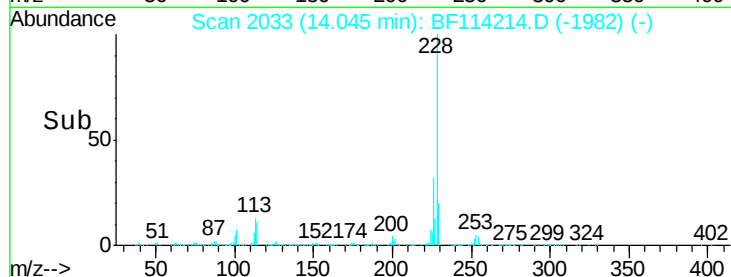
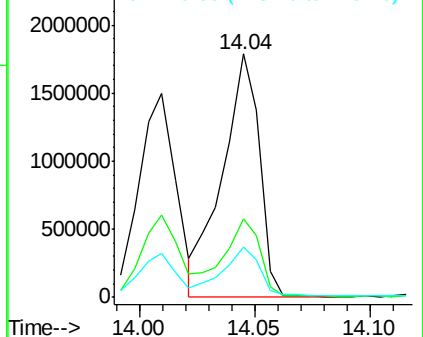
Manual Integrations
APPROVED

Sohil

5/13/2019 8:37:48 PM



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: 22.677 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF114214.D

Acq: 13 May 2019 1:40

Tgt Ion:276 Resp: 753777

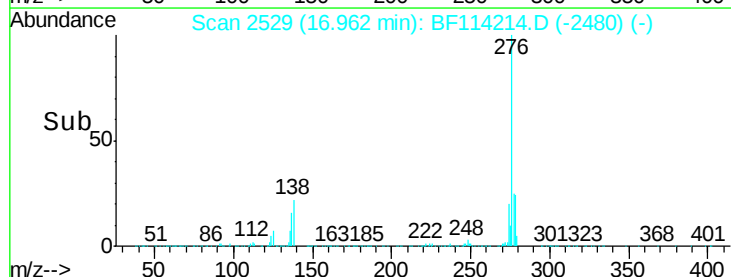
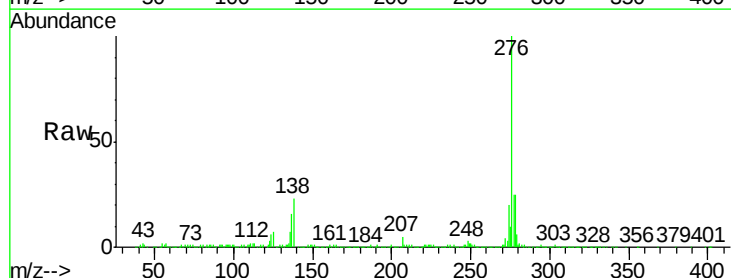
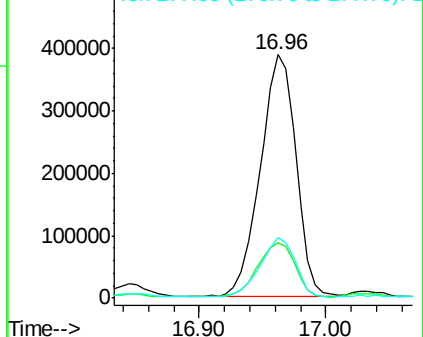
Ion Ratio Lower Upper

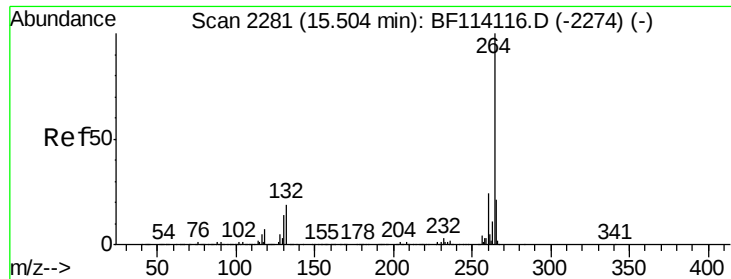
276 100

138 23.3 20.2 30.2

277 24.5 20.0 30.0

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





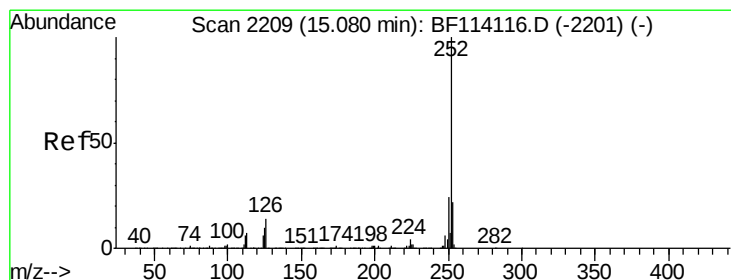
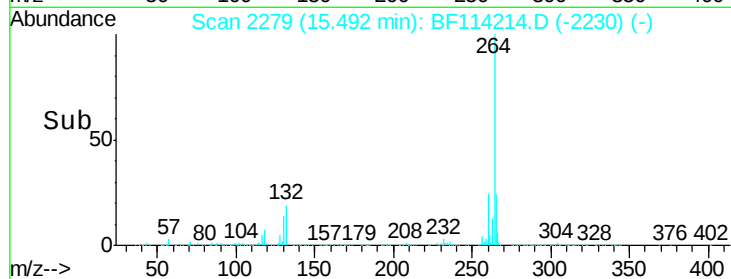
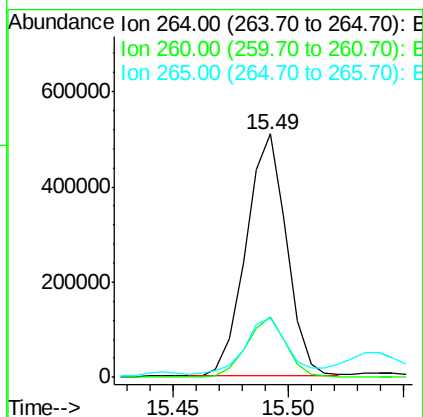
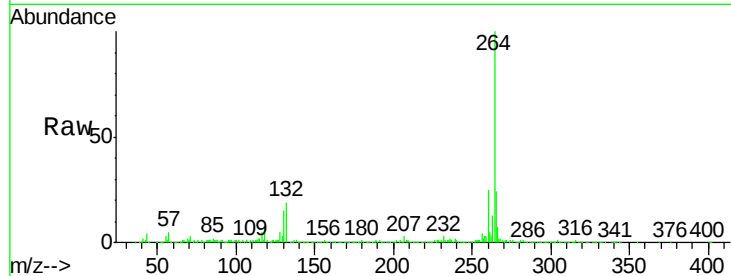
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	24.3	16.9	25.3

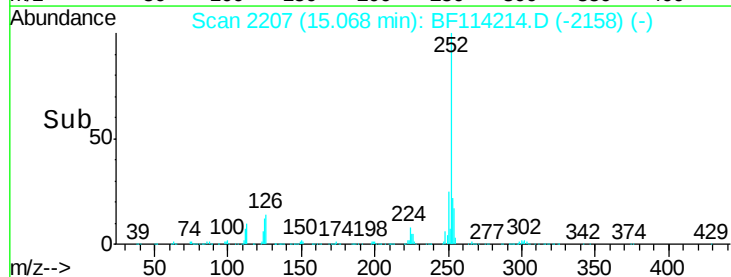
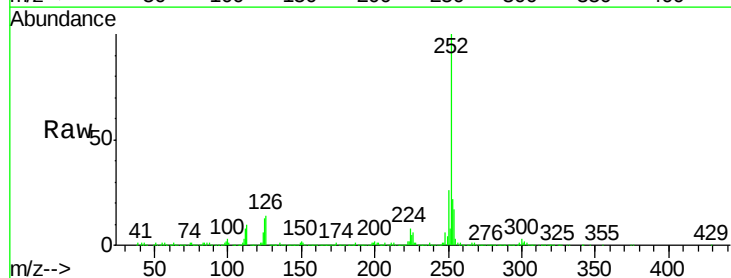
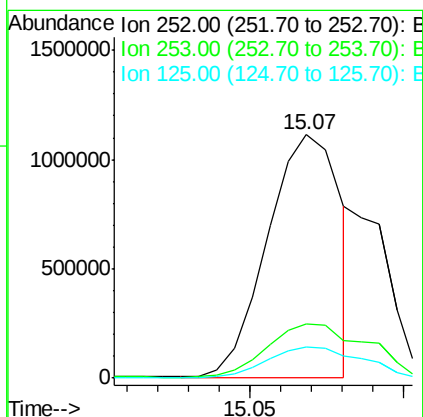
Manual Integrations
APPROVED

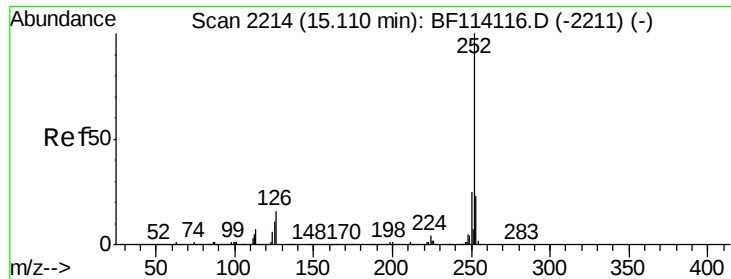
Sohil
5/13/2019 8:37:48 PM



#88
Benzo(b)fluoranthene
Concen: 45.848 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.8	8.3	12.5





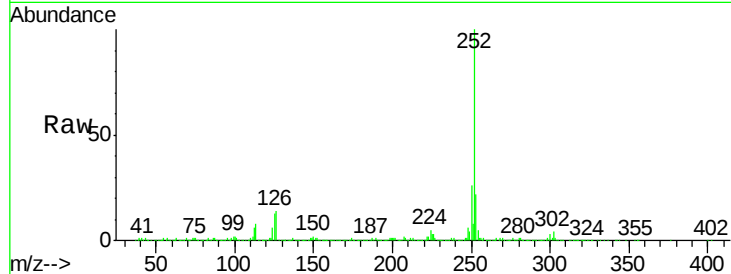
#89
Benzo(k)fluoranthene
Concen: 17.576 ng/mL
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0002-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	12.8	8.6	13.0

Manual Integrations
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Sohil
5/13/2019 8:37:48 PM

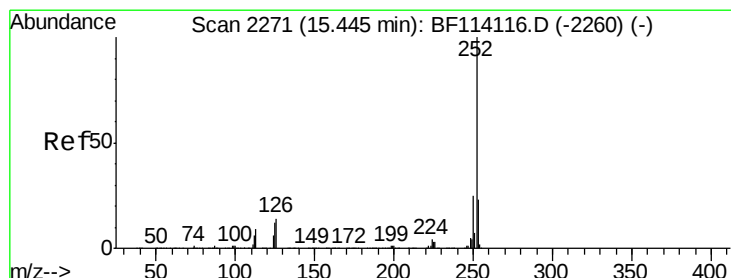
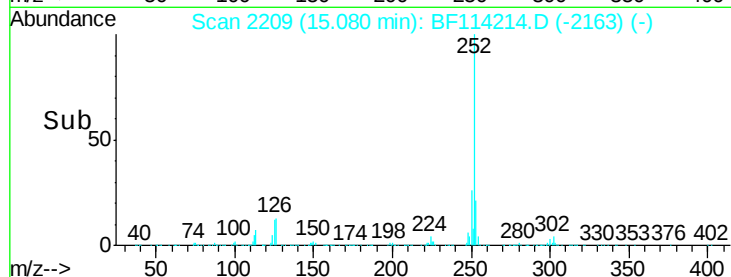
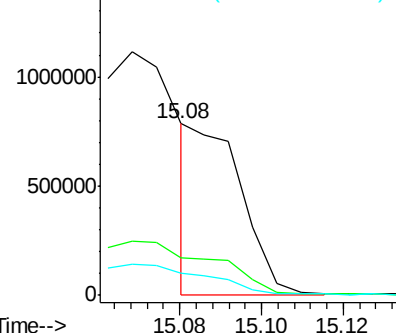


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 33.763 ng/mL
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114214.D
Acq: 13 May 2019 1:40

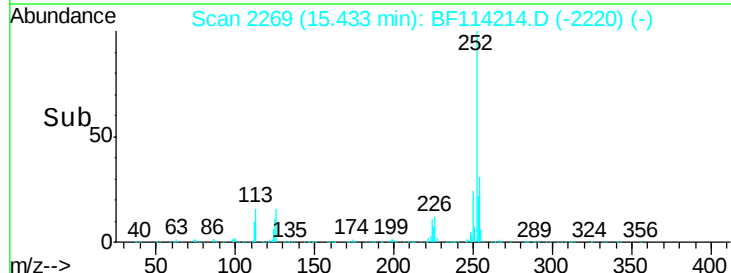
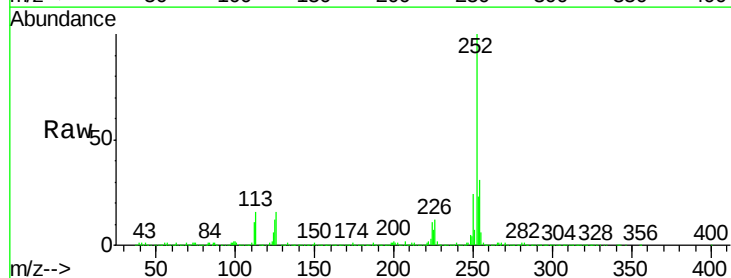
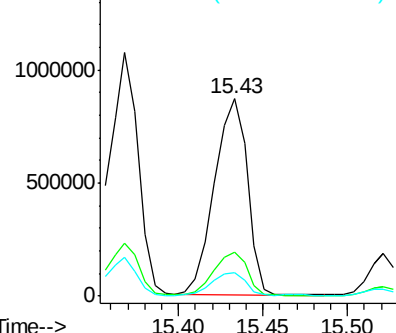
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.1	9.5	14.3

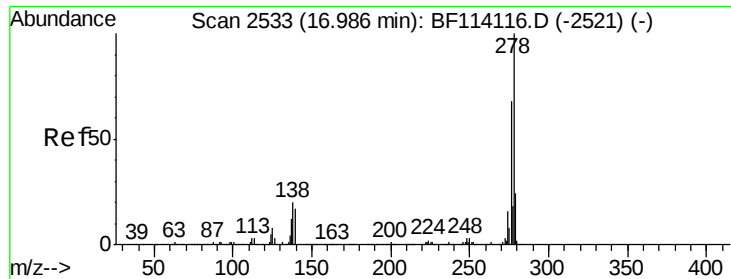
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 7.203 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.02 min

Lab File: BF114214.D

Acq: 13 May 2019 1:40

Instrument :

BNA_F

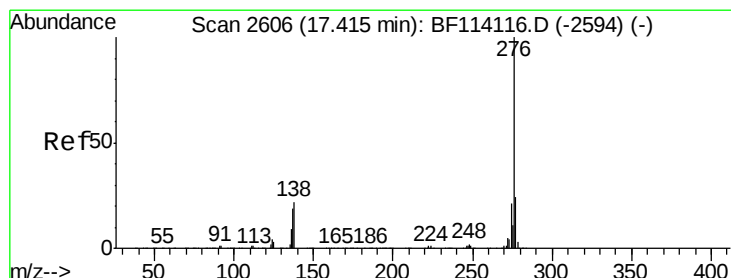
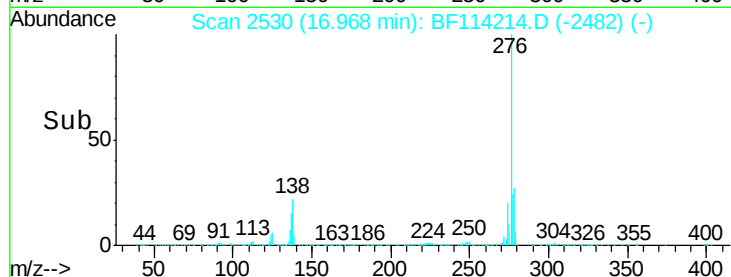
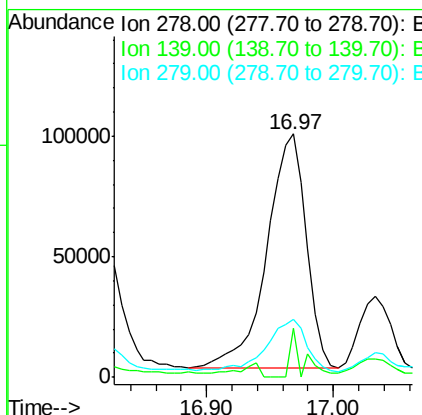
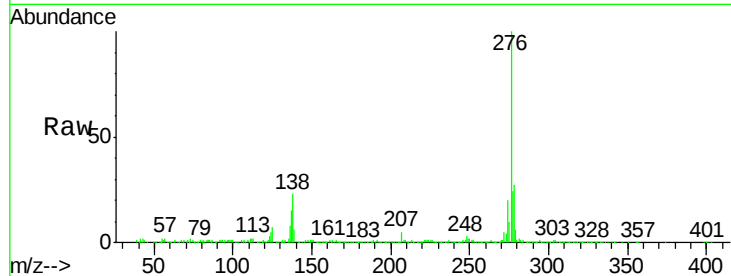
ClientSampleId :

P026-SS002-0002-01DL

Tot Ion:	278	Resp:	210159
Ion Ratio	Lower	Upper	
278	100		
139	20.1	13.5	20.3
279	23.6	19.0	28.6

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:48 PM



#92

Benzo(g,h,i)perylene

Concen: 29.671 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BF114214.D

Acq: 13 May 2019 1:40

Tgt Ion:	276	Resp:	867547
Ion Ratio	Lower	Upper	
276	100		
277	22.9	19.0	28.4
138	23.2	17.8	26.6

