

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114200.D
 Acq On : 12 May 2019 18:40
 Operator : JU/SJ
 Sample : K2767-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS010-0612-01

Manual Integrations
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Quant Time: May 13 09:21:08 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	248026	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	950690	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	434343	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	800659	20.00	ng	0.00
76) Chrysene-d12	14.02	240	525264	20.00	ng	0.00
87) Perylene-d12	15.49	264	583121	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1011413	65.62	ng	0.00
7) Phenol-d6	6.49	99	1435019	78.72	ng	0.00
23) Nitrobenzene-d5	7.41	82	887527	52.39	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	323468	72.04	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1343539	46.79	ng	0.00
79) Terphenyl-d14	12.95	244	1087672	42.69	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	141816	3.193	ng	97
37) 2-Methylnaphthalene	8.85	142	66016	2.304	ng	95
49) Acenaphthylene	9.75	152	241048	5.612	ng	99
50) Dimethylphthalate	9.60	163	298406	9.359	ng	99
71) Phenanthrene	11.40	178	850985	21.846	ng	97
72) Anthracene	11.45	178	139496	3.565	ng	97
75) Fluoranthene	12.59	202	1148668	27.383	ng	98
78) Pyrene	12.82	202	1885565	44.624	ng	100
81) Benzo(a)anthracene	14.00	228	682807m	20.098	ng	
83) Chrysene	14.04	228	870288	26.132	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	398526	13.540	ng	97
88) Benzo(b)fluoranthene	15.06	252	952334m	25.492	ng	
89) Benzo(k)fluoranthene	15.08	252	280357m	8.170	ng	
90) Benzo(a)pyrene	15.42	252	596363	18.139	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	108684m	3.978	ng	
92) Benzo(g,h,i)perylene	17.40	276	441395	16.122	ng	98

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

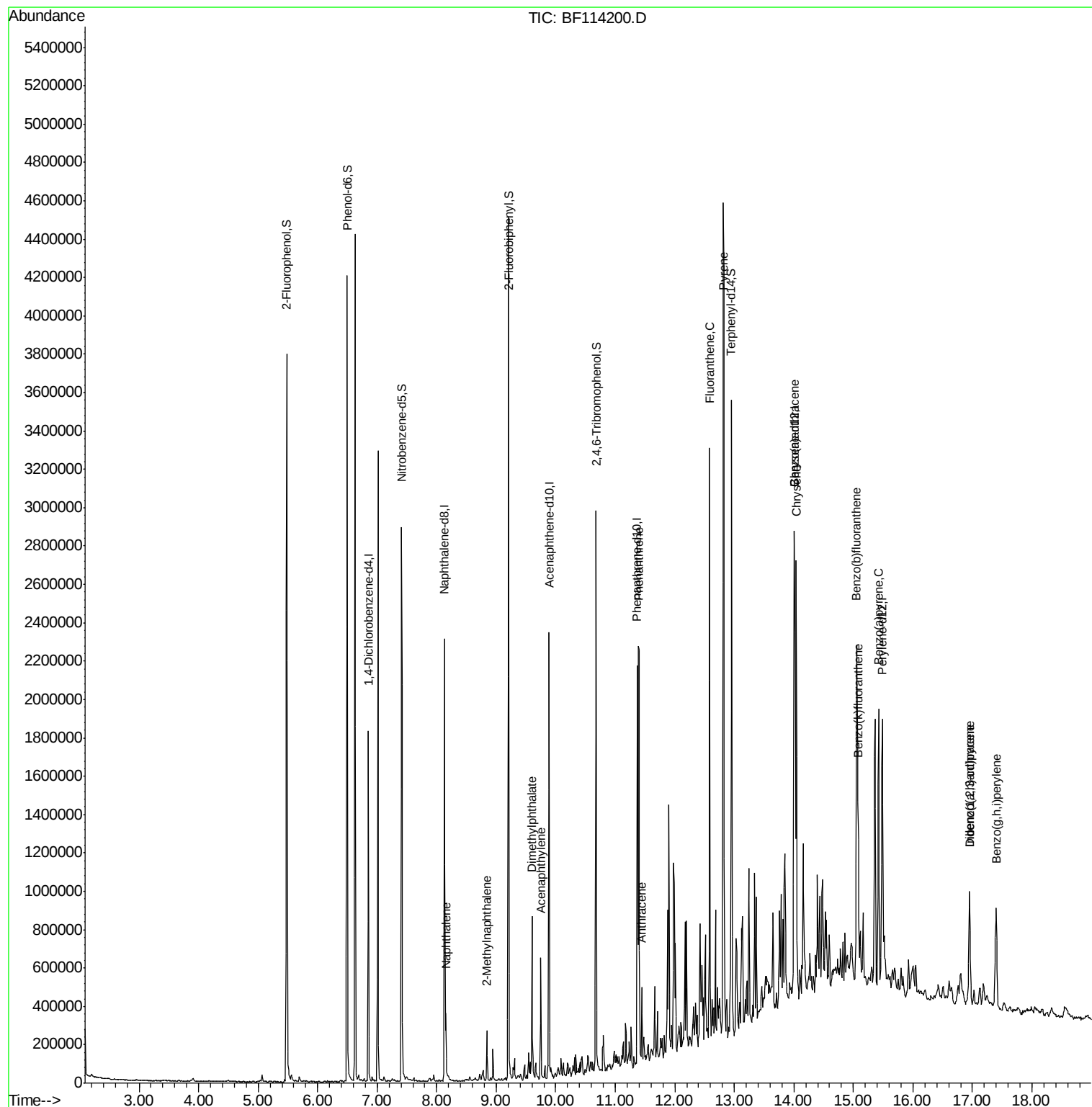
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

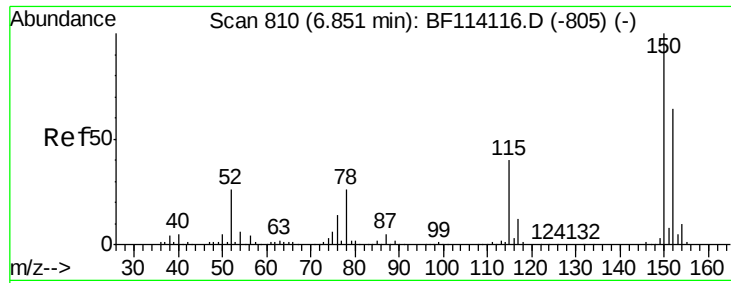
Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

Manual Integrations
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5/13/2019 8:37:33 PM

Quant Time: May 13 09:21:08 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

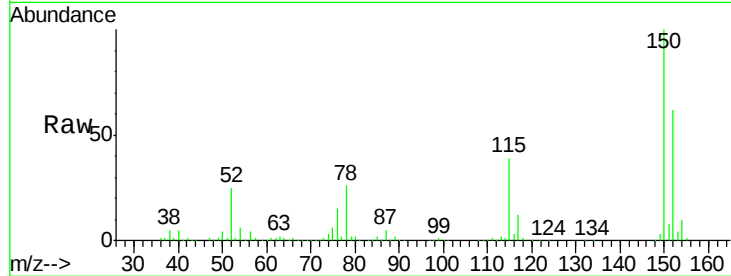
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

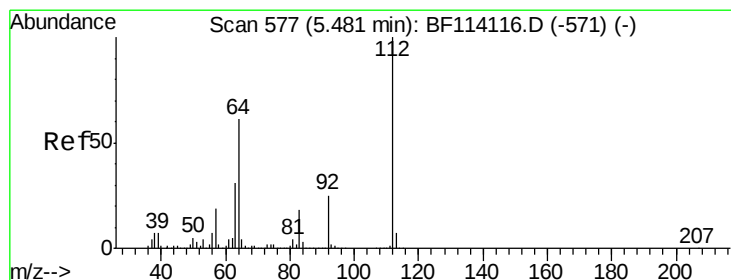
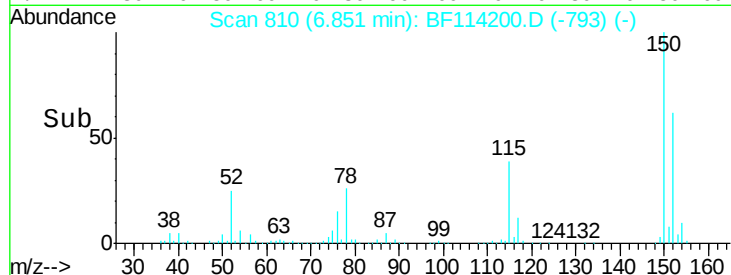
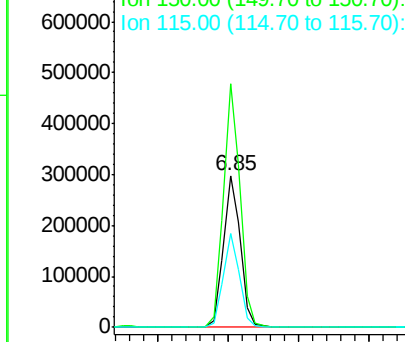
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.3	186.5
115	61.9	49.1	73.7

Manual Integrations
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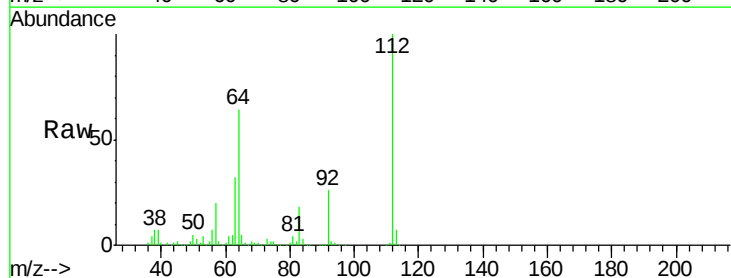
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



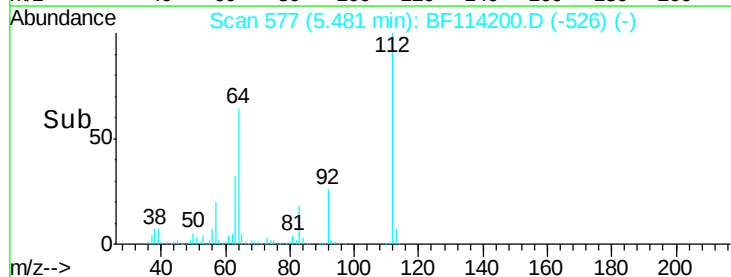
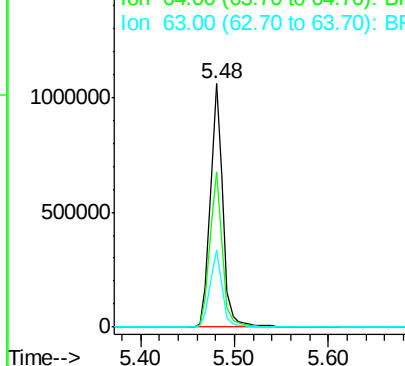
#5

2-Fluorophenol
Concen: 65.623 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.0	73.6
63	31.9	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: 78.723 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Instrument :

BNA_F

ClientSampleId :

P026-SS010-0612-01

Tot Ion: 99 Resp: 1435019

Ion Ratio Lower Upper

99 100

42 22.1 17.9 26.9

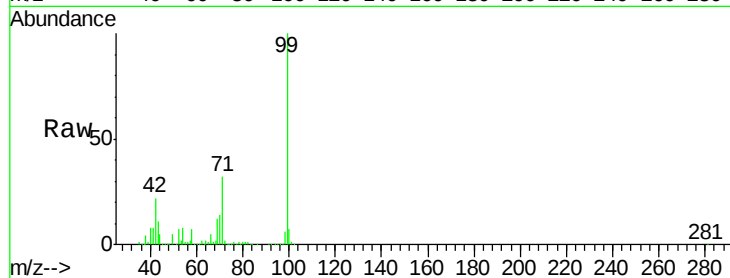
71 32.3 26.2 39.2

Manual Integrations

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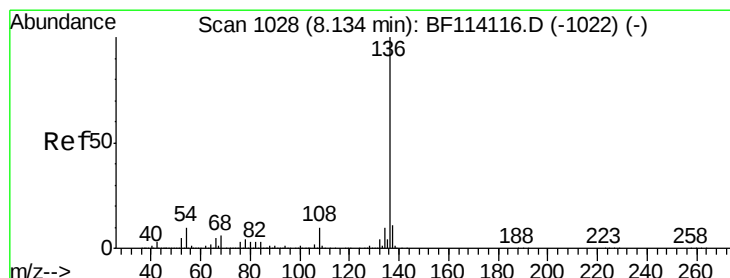
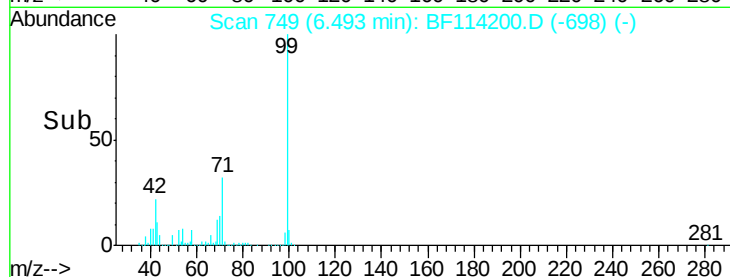
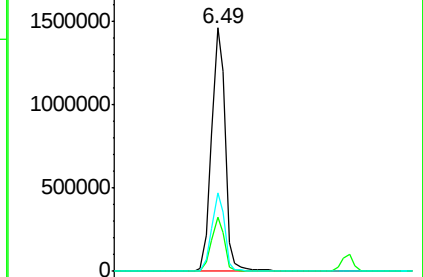
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF114200.D

Acq: 12 May 2019 18:40

Tgt Ion: 136 Resp: 950690

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.2 7.8 11.8

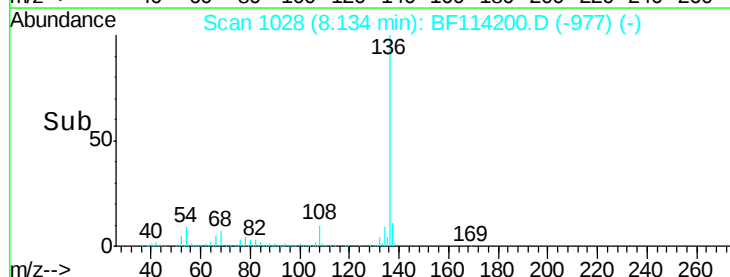
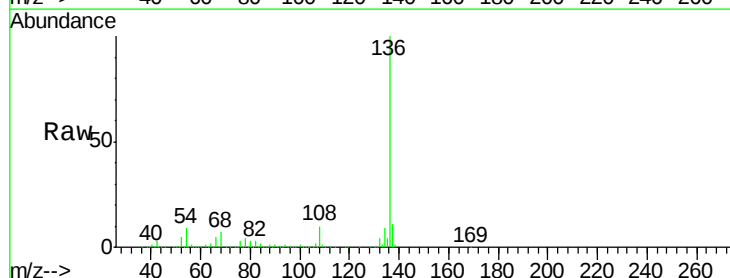
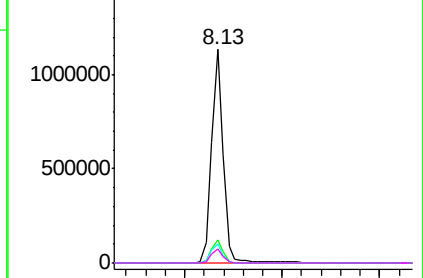
68 6.8 5.1 7.7

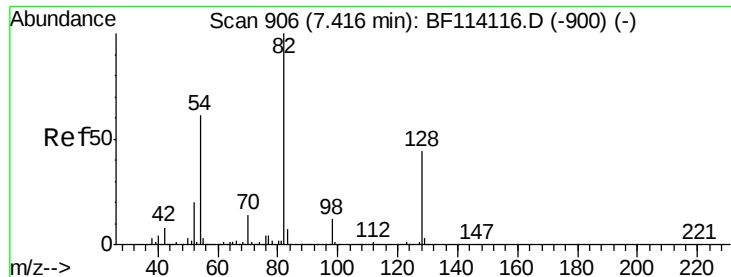
Abundance Ion 136.00 (135.70 to 136.70): E

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





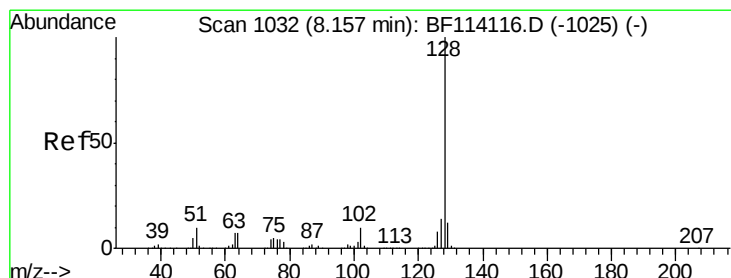
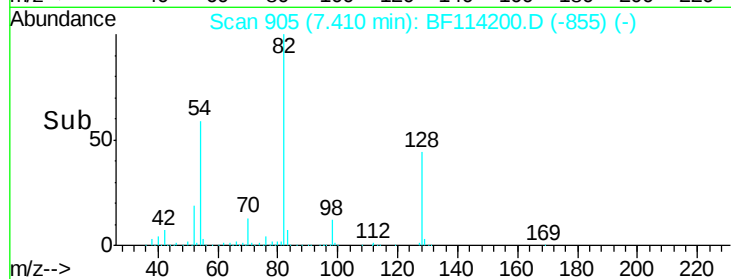
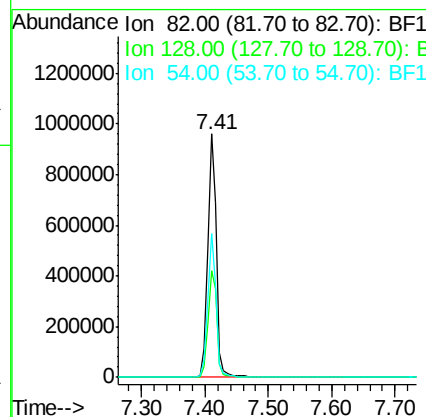
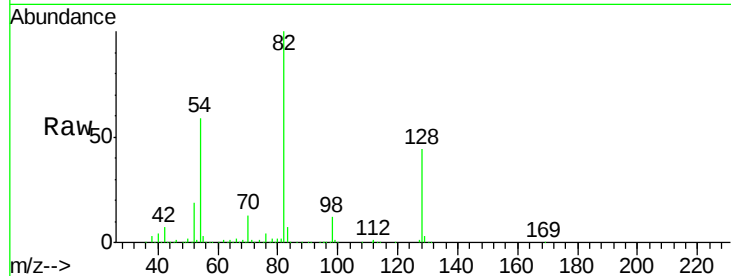
#23
 Nitrobenzene-d5
 Concen: 52.391 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114200.D
 Acq: 12 May 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS010-0612-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.5	53.3
54	58.8	48.5	72.7

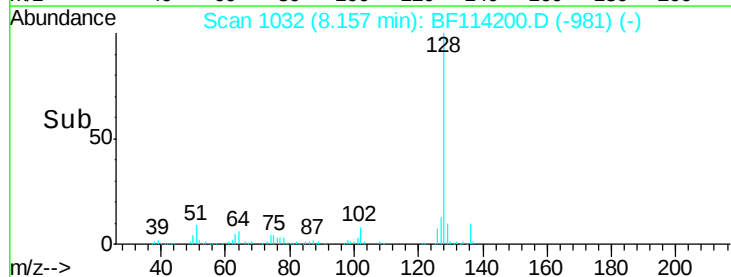
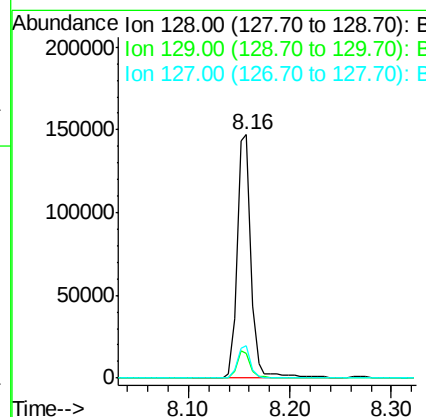
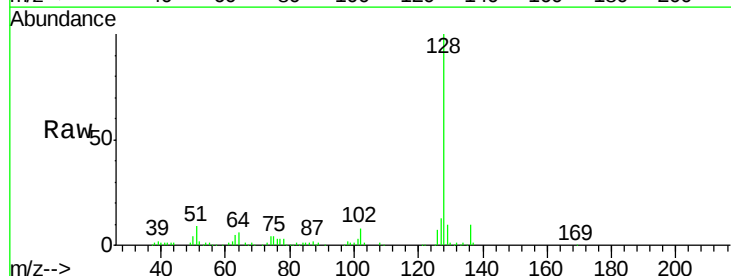
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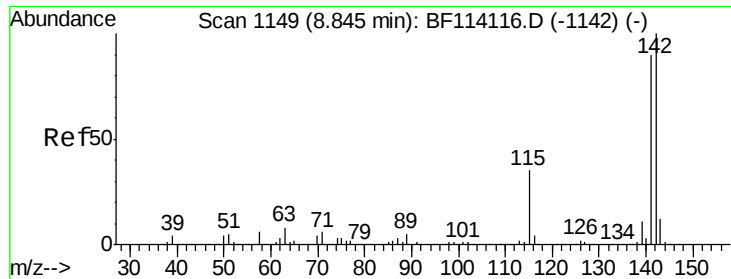
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#31
 Naphthalene
 Concen: 3.193 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF114200.D
 Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.6	14.4
127	13.3	11.3	16.9





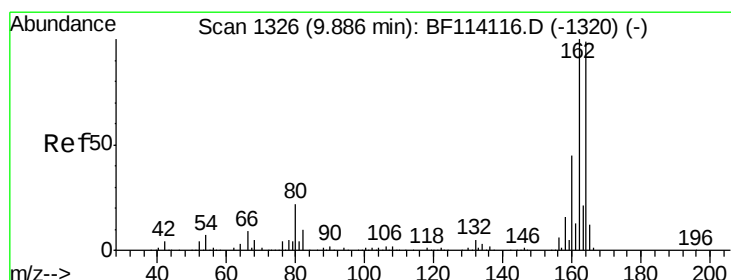
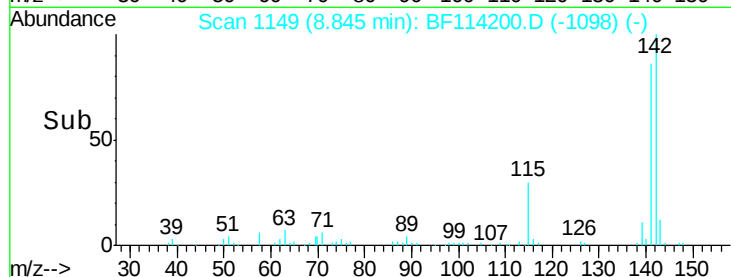
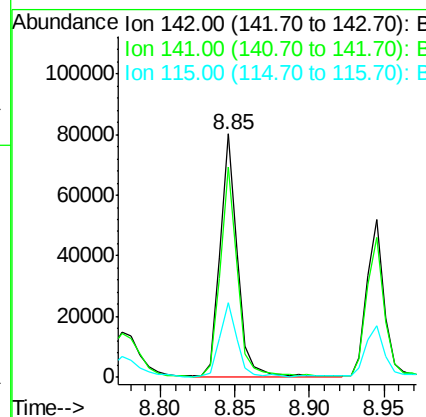
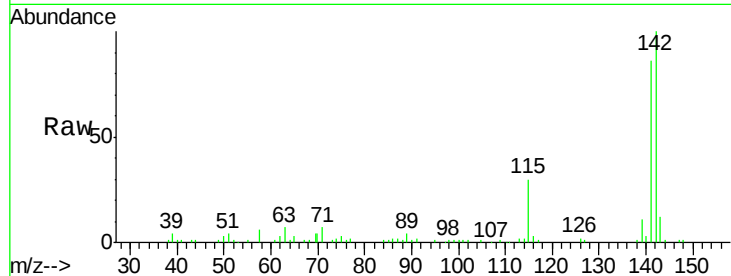
#37
2-Methylnaphthalene
Concen: 2.304 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	72.1	108.1
115	30.4	28.0	42.0

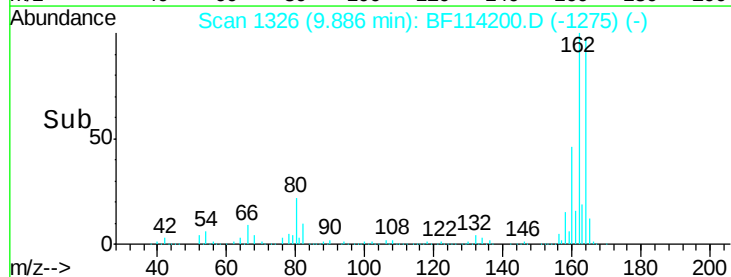
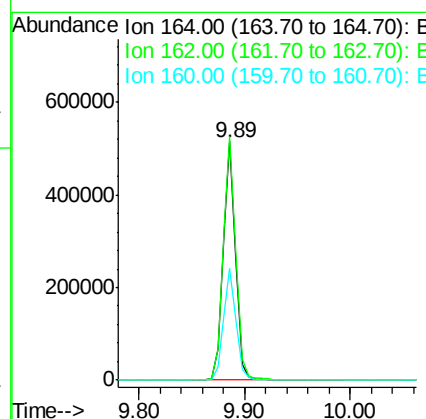
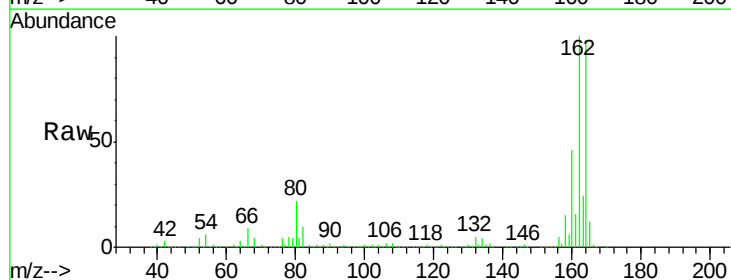
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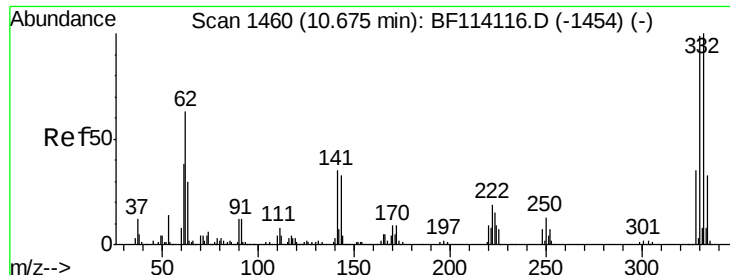
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	46.8	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 72.036 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Instrument :

BNA_F

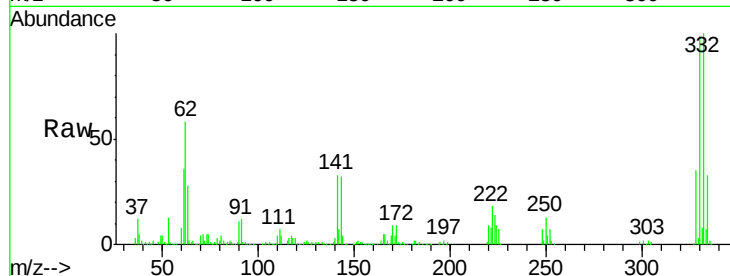
ClientSampleId :

P026-SS010-0612-01

Tot Ion:	330	Resp:	323468
Ion Ratio	Lower	Upper	
330	100		
332	102.4	81.4	122.2
141	32.9	26.6	40.0

Manual Integrations
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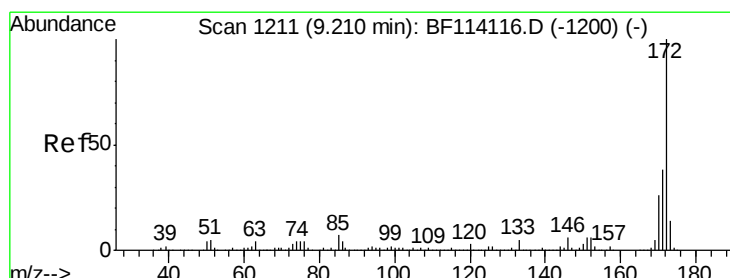
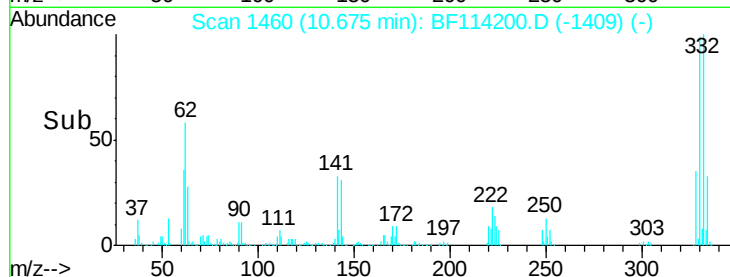
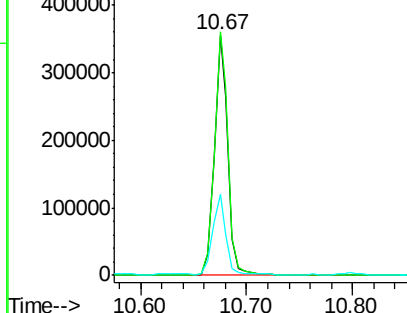


Abundance

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: 46.791 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

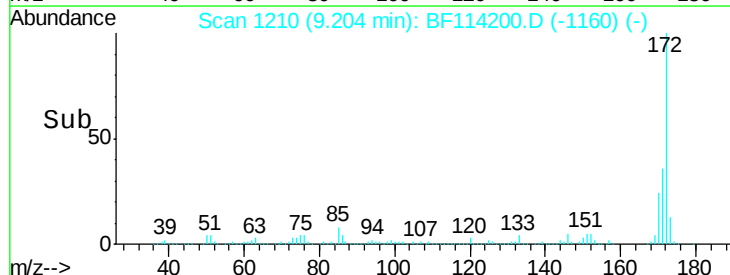
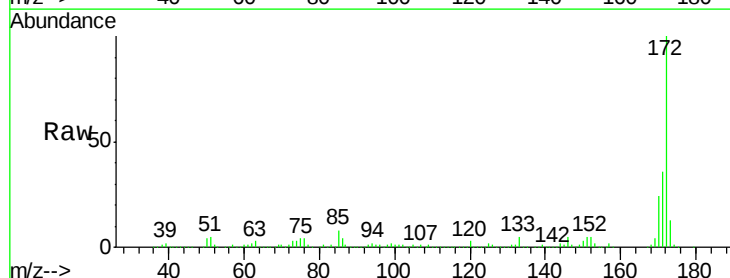
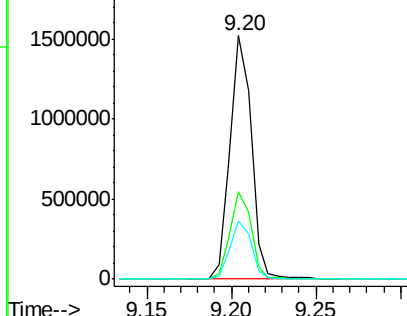
Tgt Ion:	172	Resp:	1343539
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.7	46.1
170	24.0	20.5	30.7

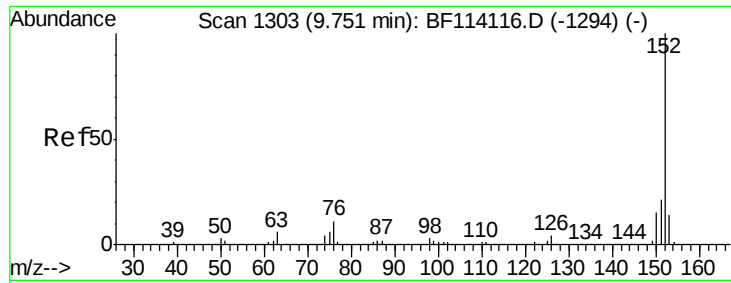
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





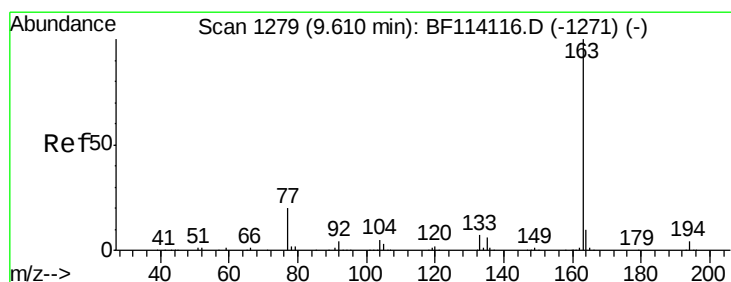
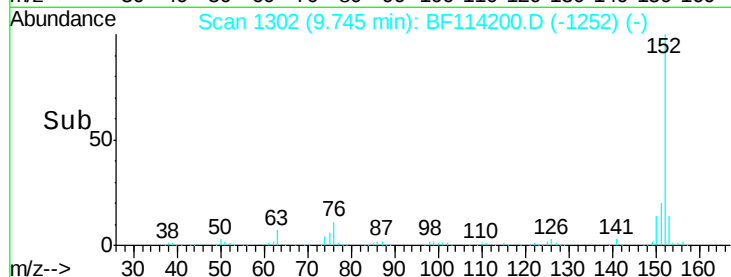
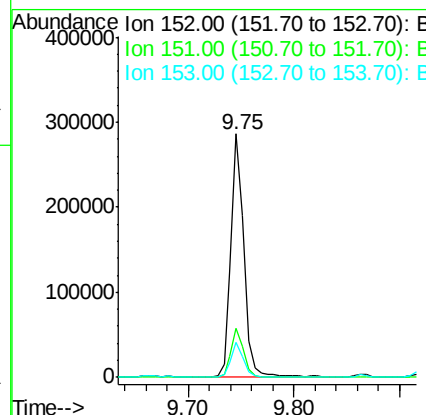
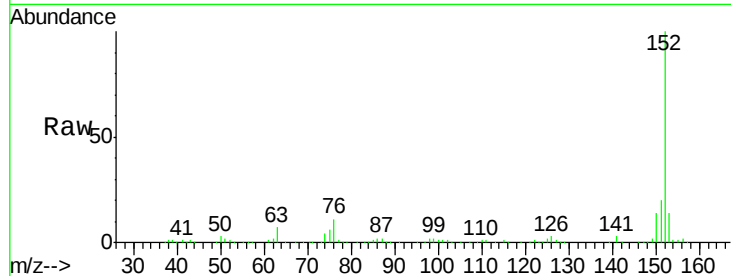
#49
Acenaphthylene
Concen: 5.612 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
152	100	241048		
151	20.2		16.8	25.2
153	14.2		11.4	17.2

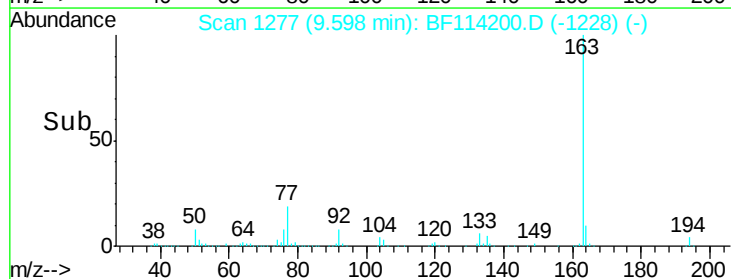
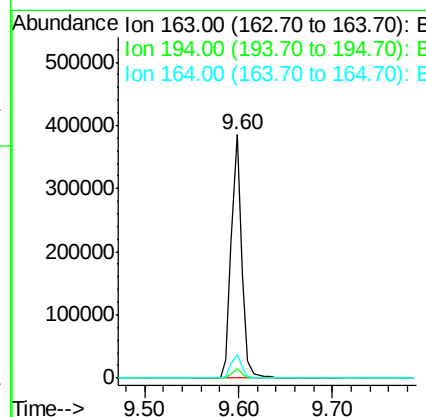
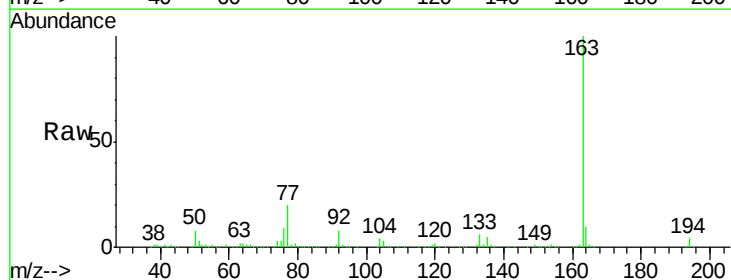
Manual Integrations
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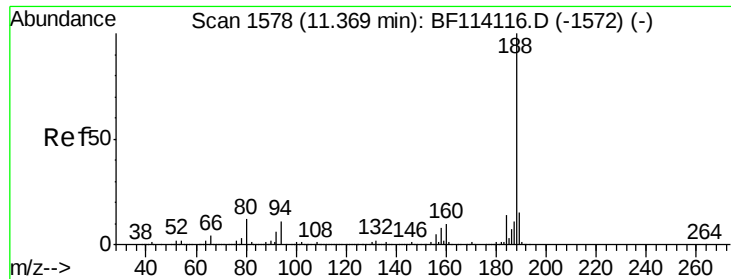
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#50
Dimethylphthalate
Concen: 9.359 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	298406		
194	3.8		3.4	5.0
164	9.7		8.2	12.2





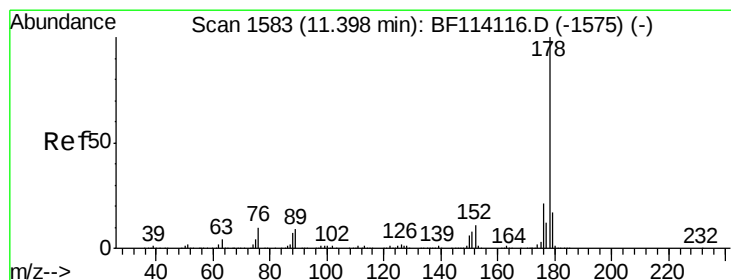
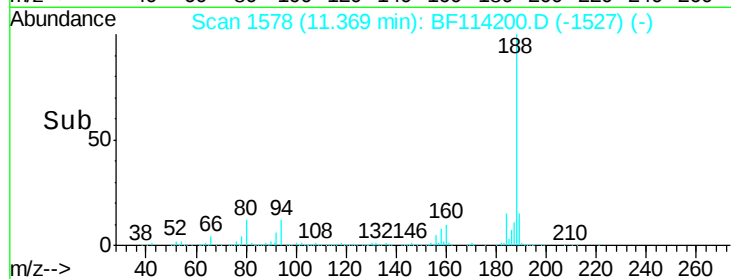
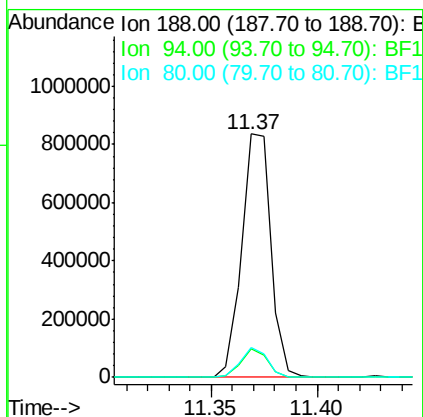
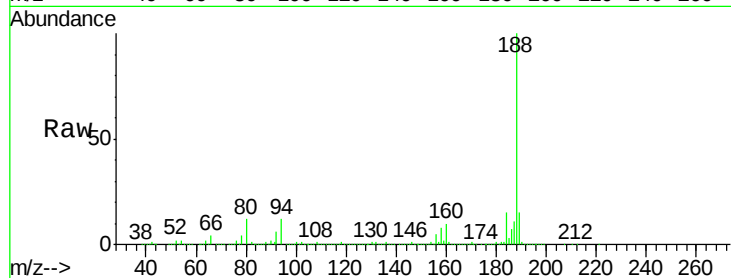
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

Tot Ion:	188	Resp:	800659
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.4	12.6
80	12.1	9.2	13.8

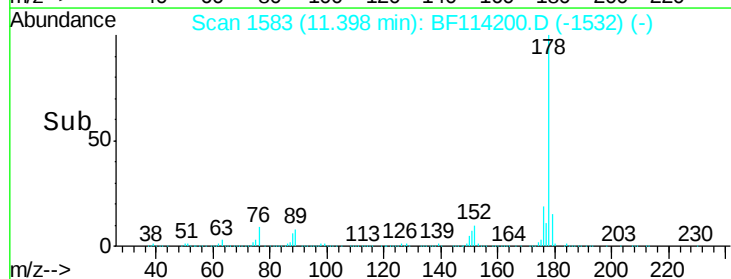
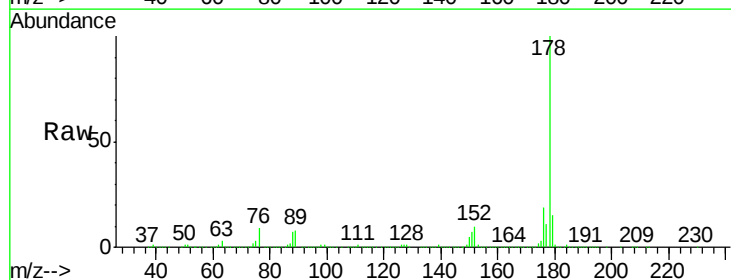
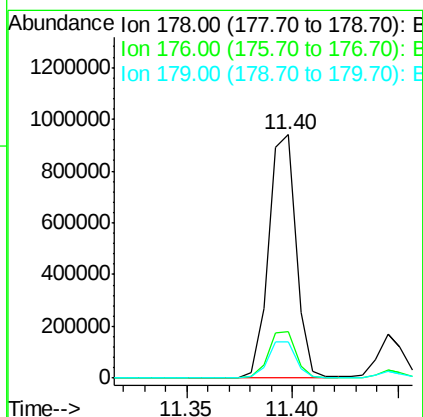
Manual Integrations
APPROVED

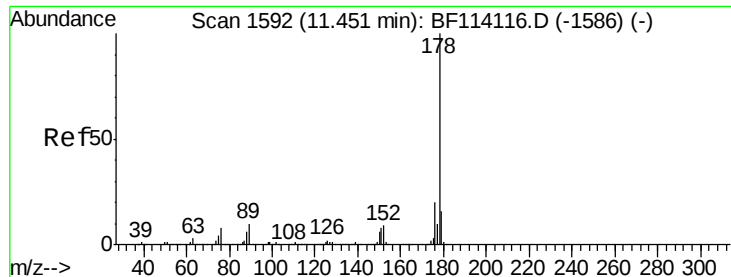
Sohil
5/13/2019 8:37:33 PM



#71
Phenanthrene
Concen: 21.846 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Tgt Ion:	178	Resp:	850985
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.4	24.6
179	15.1	13.2	19.8





#72

Anthracene

Concen: 3.565 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Instrument :

BNA_F

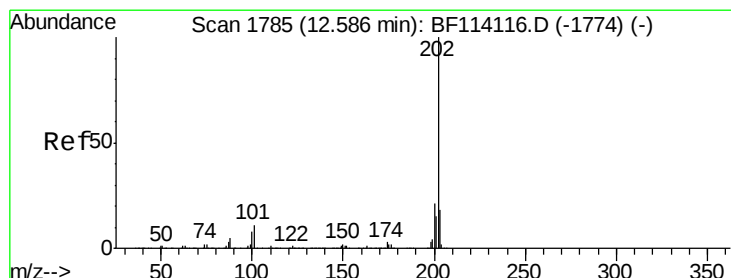
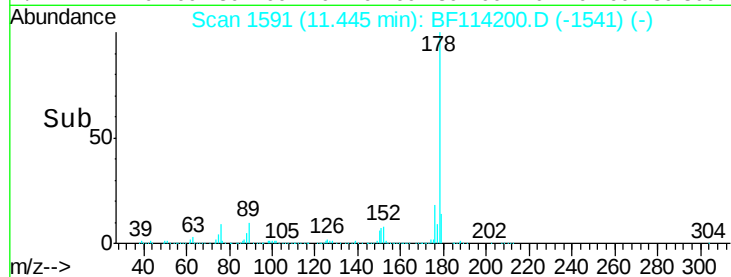
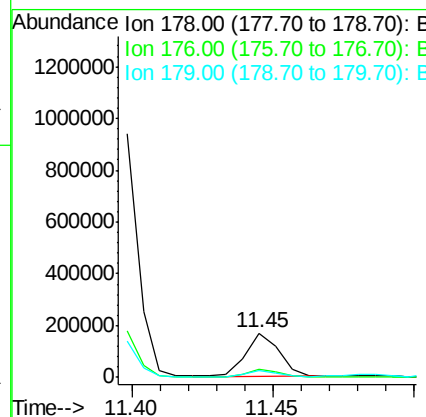
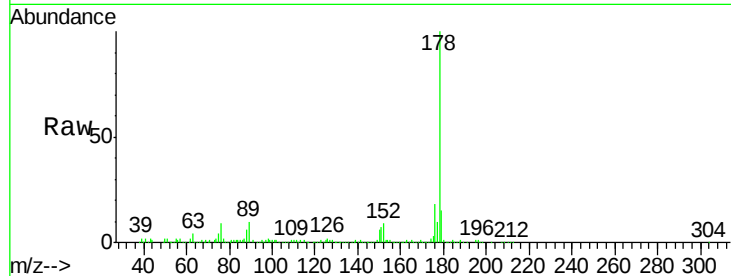
ClientSampleId :

P026-SS010-0612-01

Tot Ion:	178	Resp:	139496
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.8	23.8
179	15.0	13.0	19.4

Manual Integrations
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#75

Fluoranthene

Concen: 27.383 ng

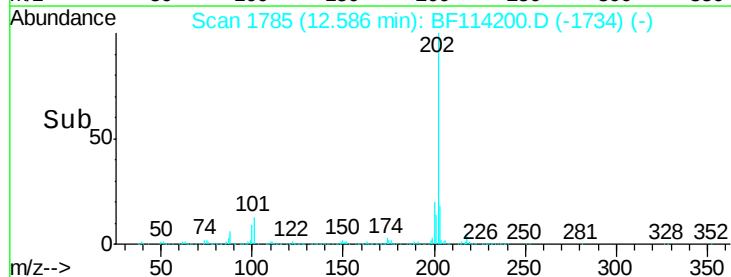
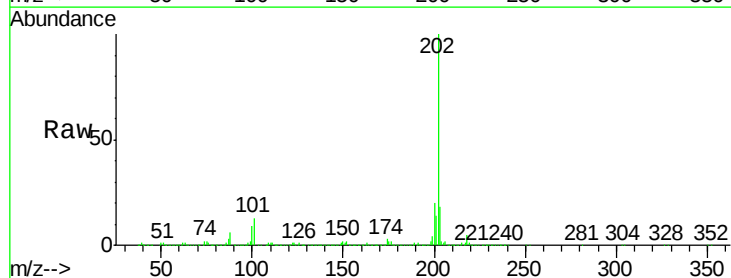
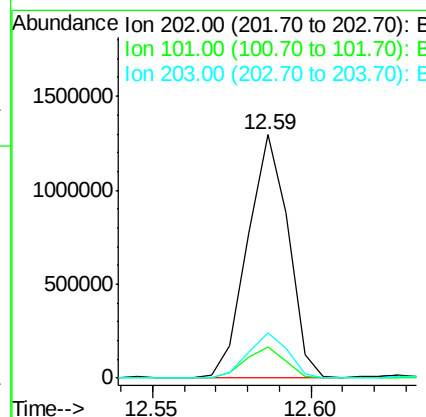
RT: 12.59 min Scan# 1785

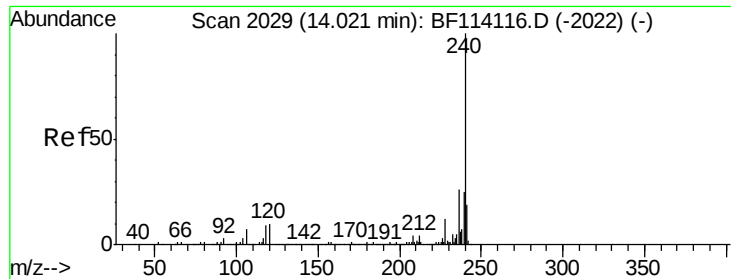
Delta R.T. 0.00 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Tgt Ion:	202	Resp:	1148668
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	31.0
203	18.5	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Instrument :

BNA_F

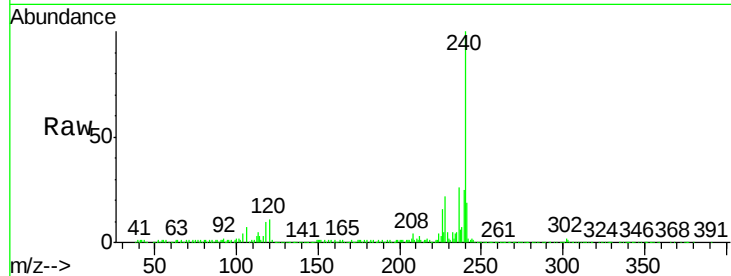
ClientSampleId :

P026-SS010-0612-01

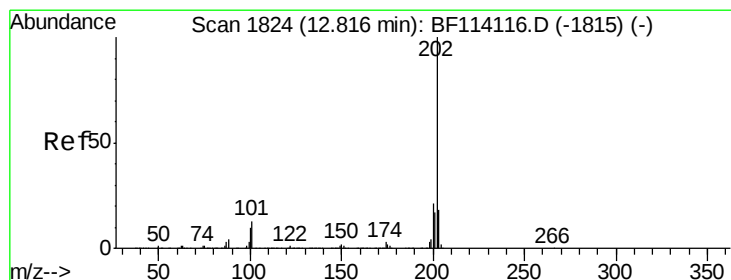
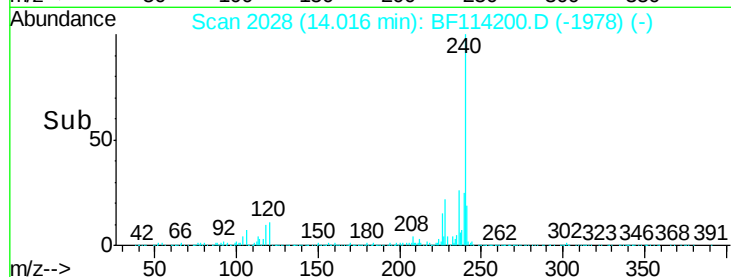
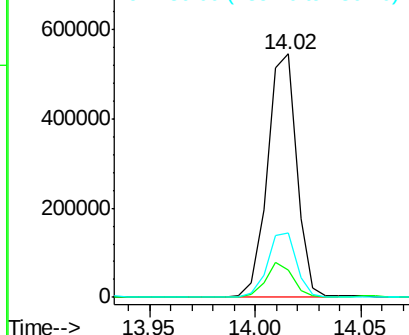
Tot Ion:	240	Resp:	525264
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.3	12.5
236	26.3	20.8	31.2

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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

Pyrene

Concen: 44.624 ng

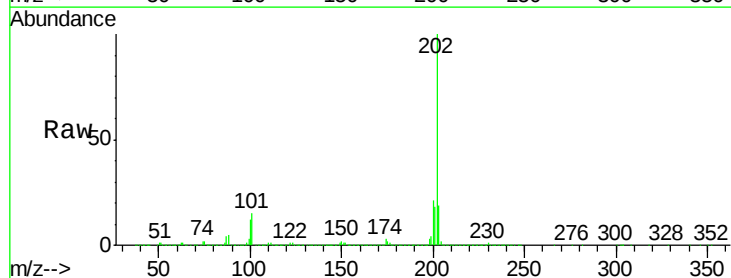
RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

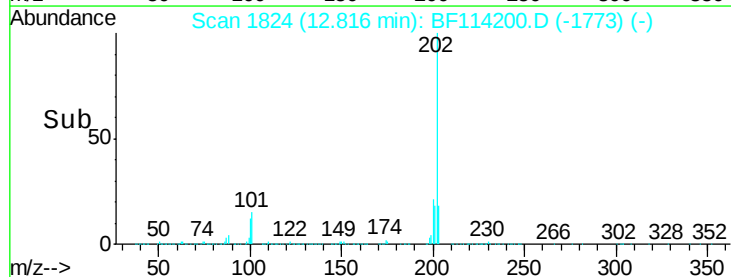
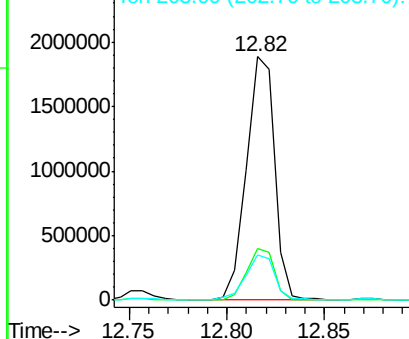
Lab File: BF114200.D

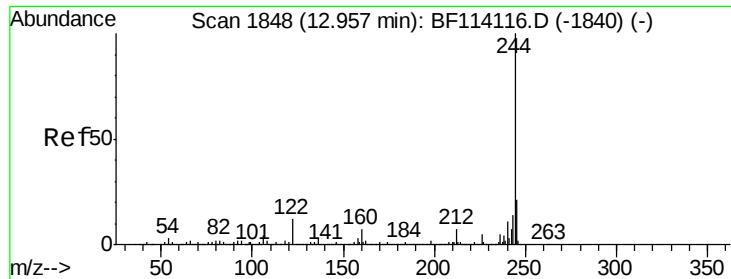
Acq: 12 May 2019 18:40

Tgt Ion:	202	Resp:	1885565
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.9	25.3
203	18.5	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





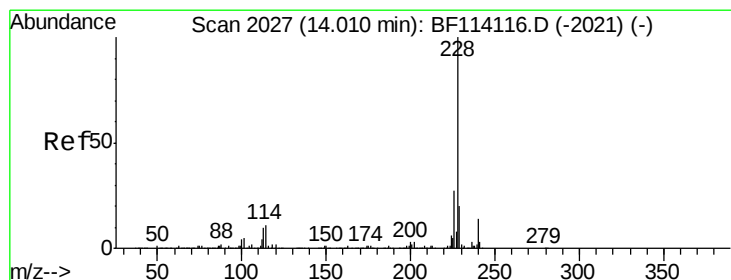
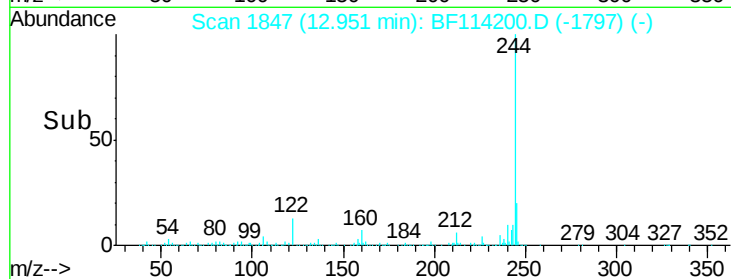
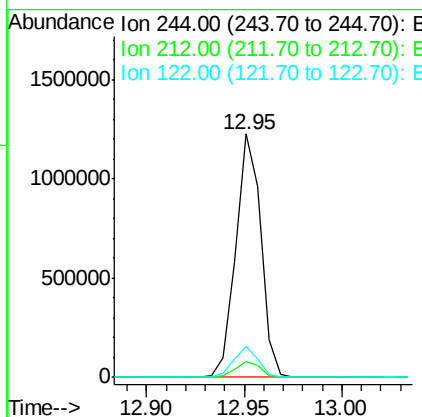
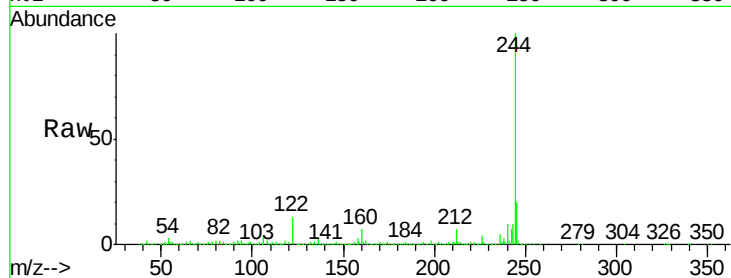
#79
 Terphenyl-d14
 Concen: 42.686 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114200.D
 Acq: 12 May 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS010-0612-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	13.0	9.4	14.2

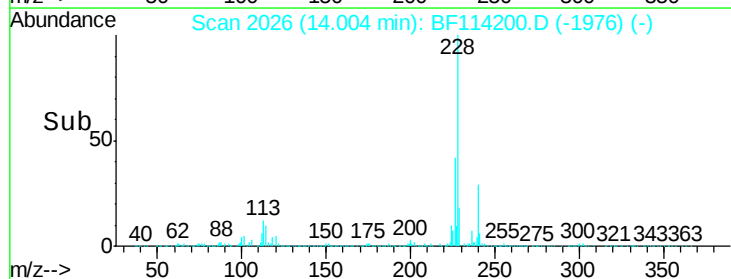
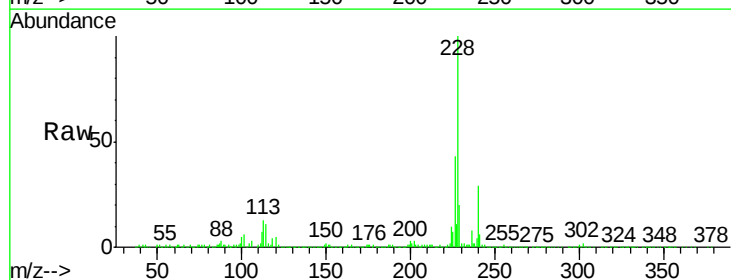
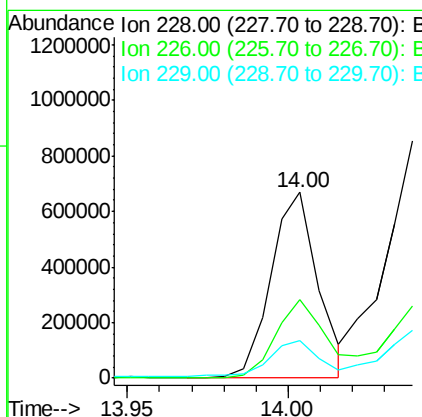
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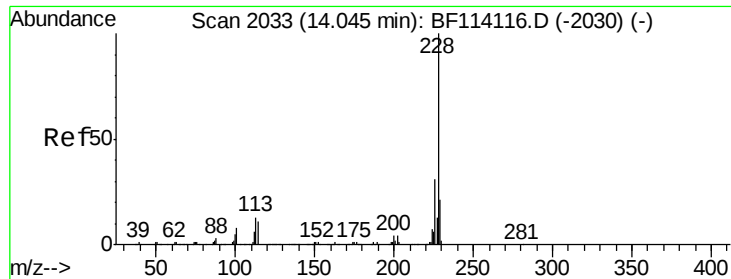
Sohil
 5/13/2019 8:37:33 PM



#81
 Benzo(a)anthracene
 Concen: 20.098 ng m
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF114200.D
 Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.5	22.2	33.2#
229	20.1	16.4	24.6





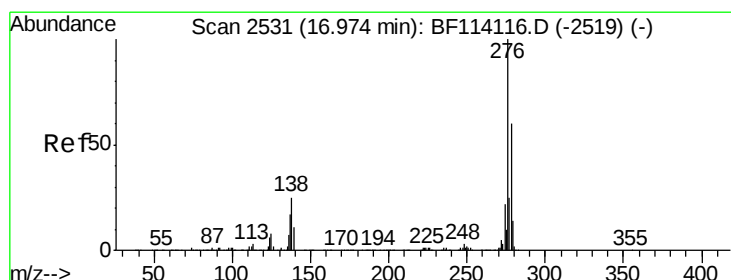
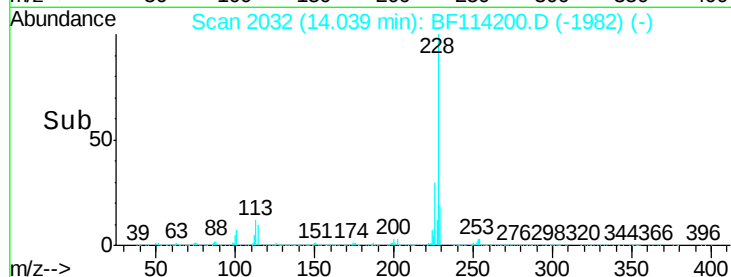
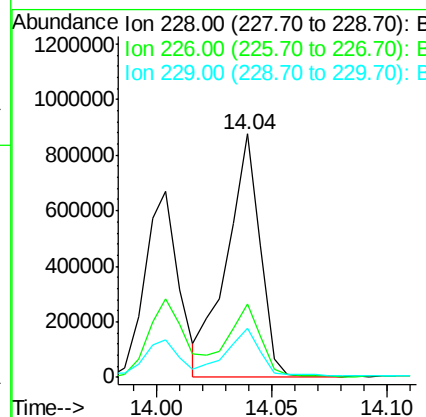
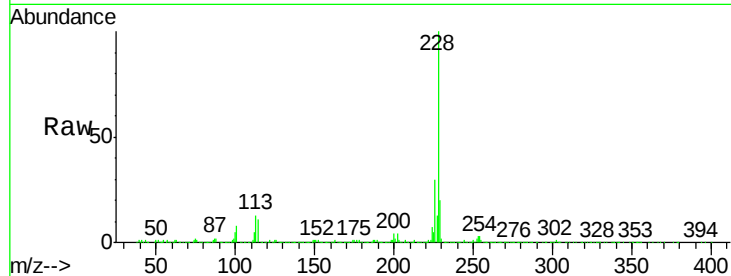
#83
Chrysene
Concen: 26.132 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	20.0	17.0	25.6

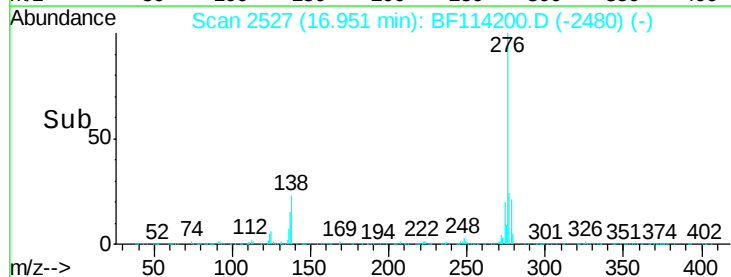
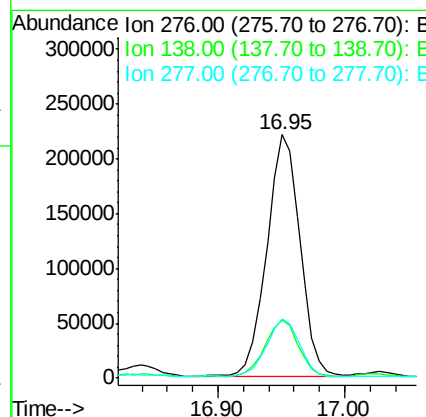
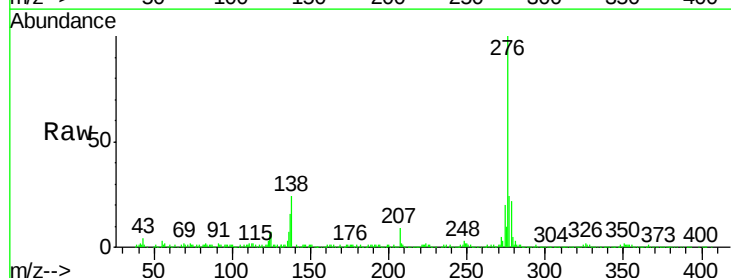
Manual Integrations
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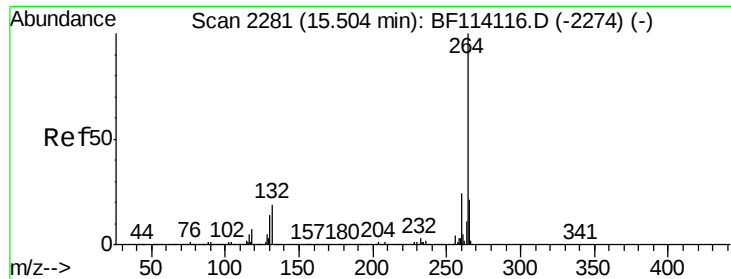
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 13.540 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.2
277	24.2	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Instrument :

BNA_F

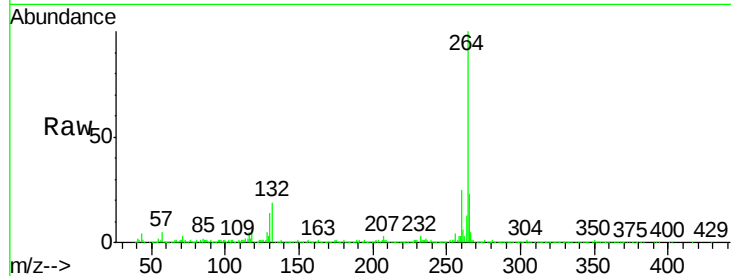
ClientSampleId :

P026-SS010-0612-01

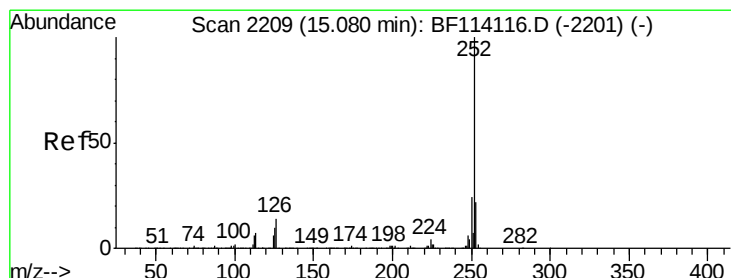
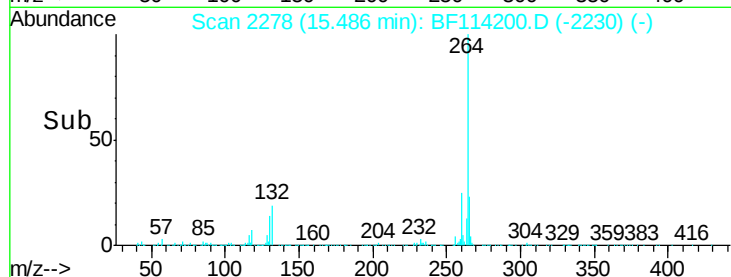
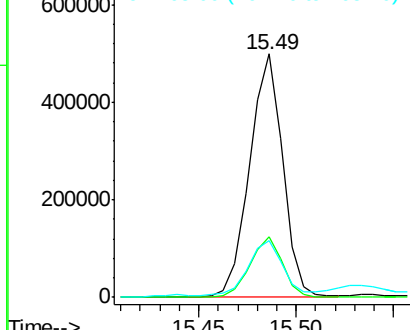
Tot Ion:	264	Resp:	583121
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.4	29.0
265	23.3	16.9	25.3

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



#88

Benzo(b)fluoranthene

Concen: 25.492 ng m

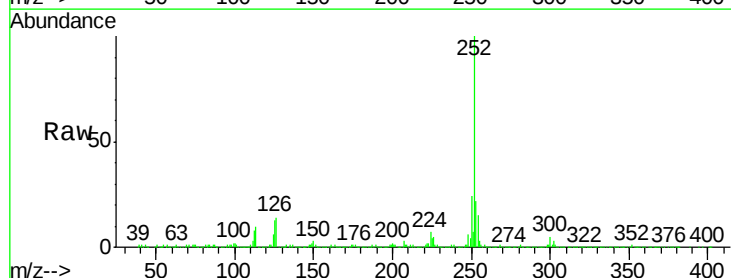
RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

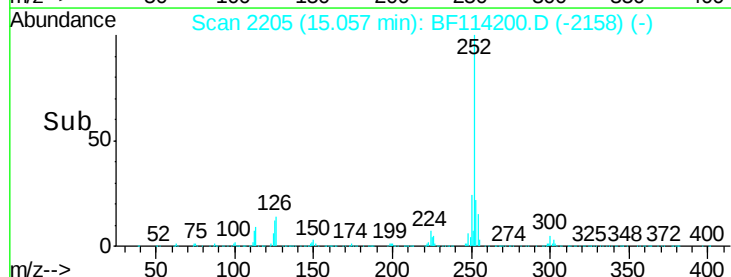
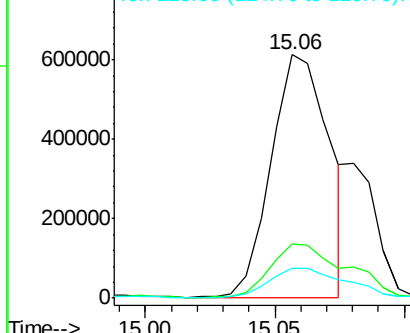
Lab File: BF114200.D

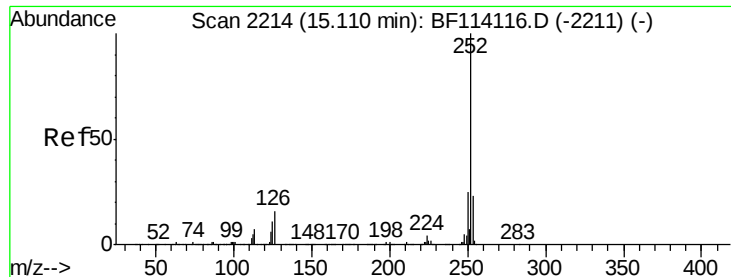
Acq: 12 May 2019 18:40

Tgt Ion:	252	Resp:	952334
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.8
125	12.5	8.3	12.5#



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





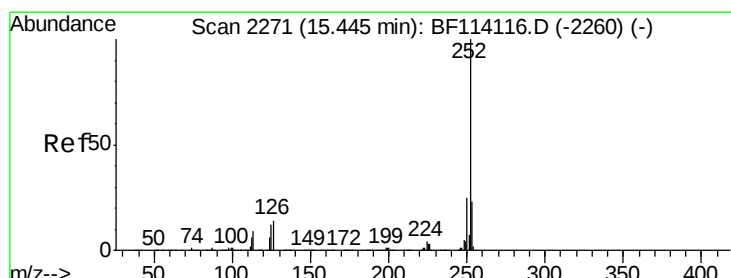
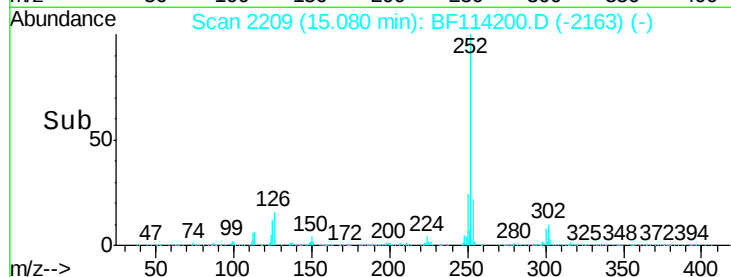
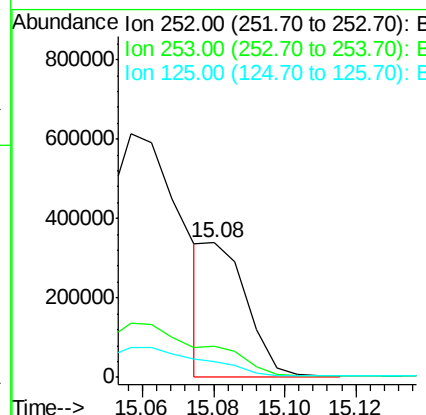
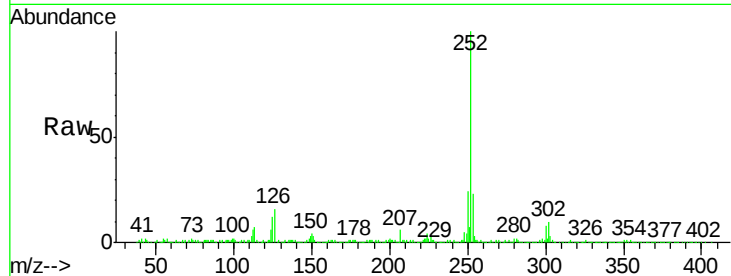
#89
Benzo(k)fluoranthene
Concen: 8.170 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.2	8.6	13.0

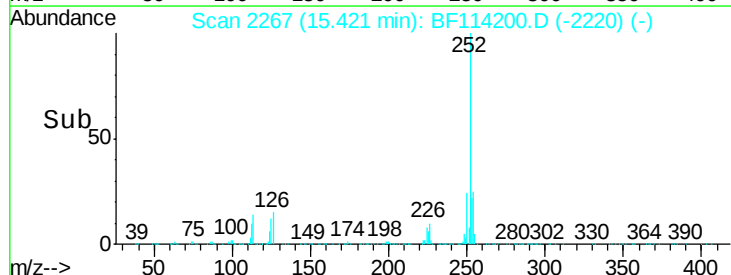
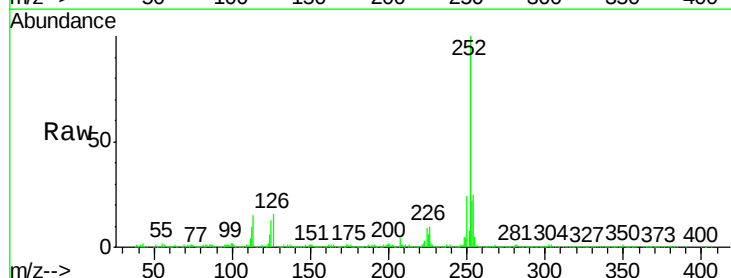
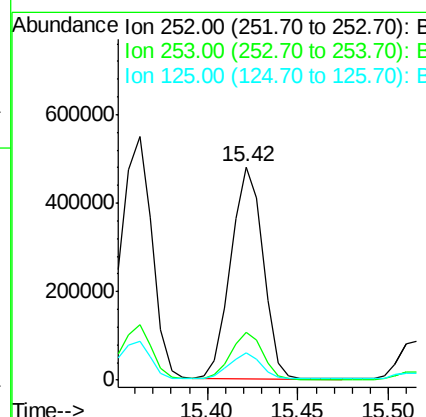
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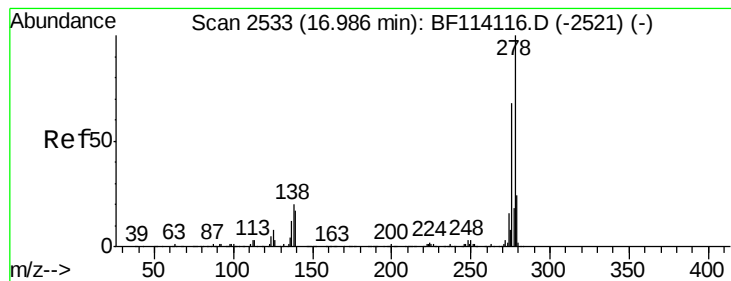
Sohil
5/13/2019 8:37:33 PM



#90
Benzo(a)pyrene
Concen: 18.139 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114200.D
Acq: 12 May 2019 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.6	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 3.978 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.03 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Instrument :

BNA_F

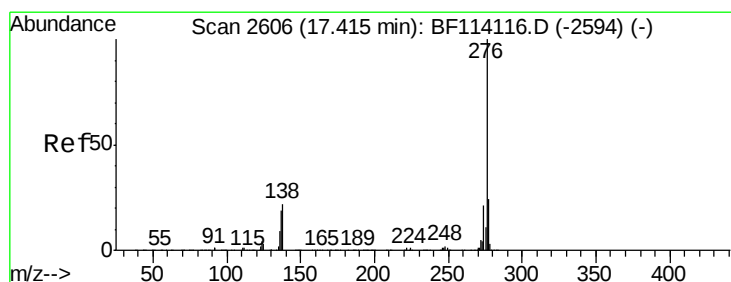
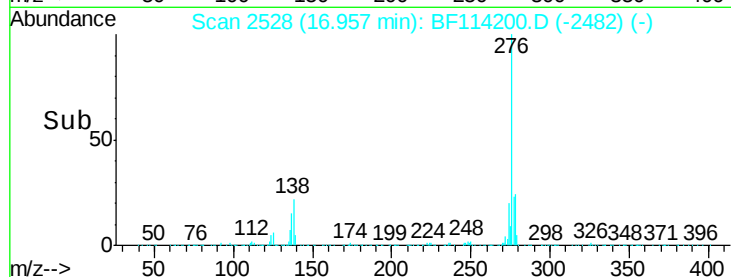
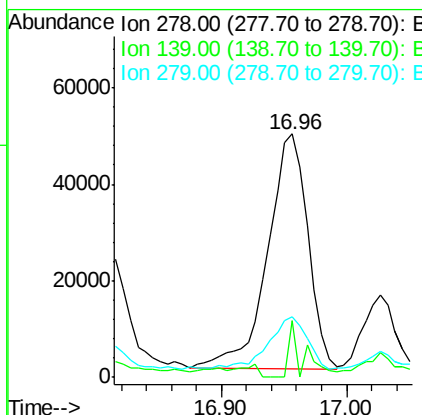
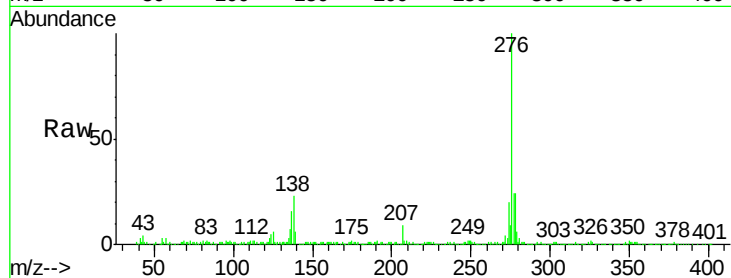
ClientSampleId :

P026-SS010-0612-01

Tot Ion:	278	Resp:	108684
Ion Ratio	Lower	Upper	
278	100		
139	23.3	13.5	20.3#
279	24.7	19.0	28.6

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#92

Benzo(g,h,i)perylene

Concen: 16.122 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BF114200.D

Acq: 12 May 2019 18:40

Tgt Ion:	276	Resp:	441395
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.0	28.4
138	24.0	17.8	26.6

