

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114237.D
 Acq On : 13 May 2019 18:52
 Operator : JU/SJ
 Sample : K2767-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 P026-SS010-1218-01

Manual Integrations
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Sohil
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Quant Time: May 14 06:18:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	248069	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	930253	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	428839	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	789273	20.00	ng	0.00
76) Chrysene-d12	14.03	240	525414	20.00	ng	0.00
87) Perylene-d12	15.53	264	564402	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1604180	104.07	ng	0.02
7) Phenol-d6	6.51	99	2166848	118.85	ng	0.02
23) Nitrobenzene-d5	7.42	82	1364782	82.33	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	491600	110.88	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	1988382	70.14	ng	0.00
79) Terphenyl-d14	12.96	244	1556821	61.08	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.16	128	137467	3.164	ng	98
37) 2-Methylnaphthalene	8.85	142	63017	2.248	ng	96
49) Acenaphthylene	9.75	152	188916	4.455	ng	98
50) Dimethylphthalate	9.60	163	357572	11.358	ng	99
71) Phenanthrene	11.40	178	612790	15.958	ng	97
72) Anthracene	11.45	178	104245	2.703	ng	97
75) Fluoranthene	12.59	202	818228	19.787	ng	98
78) Pyrene	12.82	202	1379694	32.642	ng	99
81) Benzo(a)anthracene	14.02	228	507000m	14.919	ng	
83) Chrysene	14.06	228	624692	18.752	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	257612	8.750	ng	98
88) Benzo(b)fluoranthene	15.10	252	662112m	18.311	ng	
89) Benzo(k)fluoranthene	15.11	252	231757m	6.977	ng	
90) Benzo(a)pyrene	15.46	252	424688	13.345	ng	99
91) Dibenzo(a,h)anthracene	17.01	278	70051m	2.649	ng	
92) Benzo(g,h,i)perylene	17.46	276	286858	10.825	ng	97

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

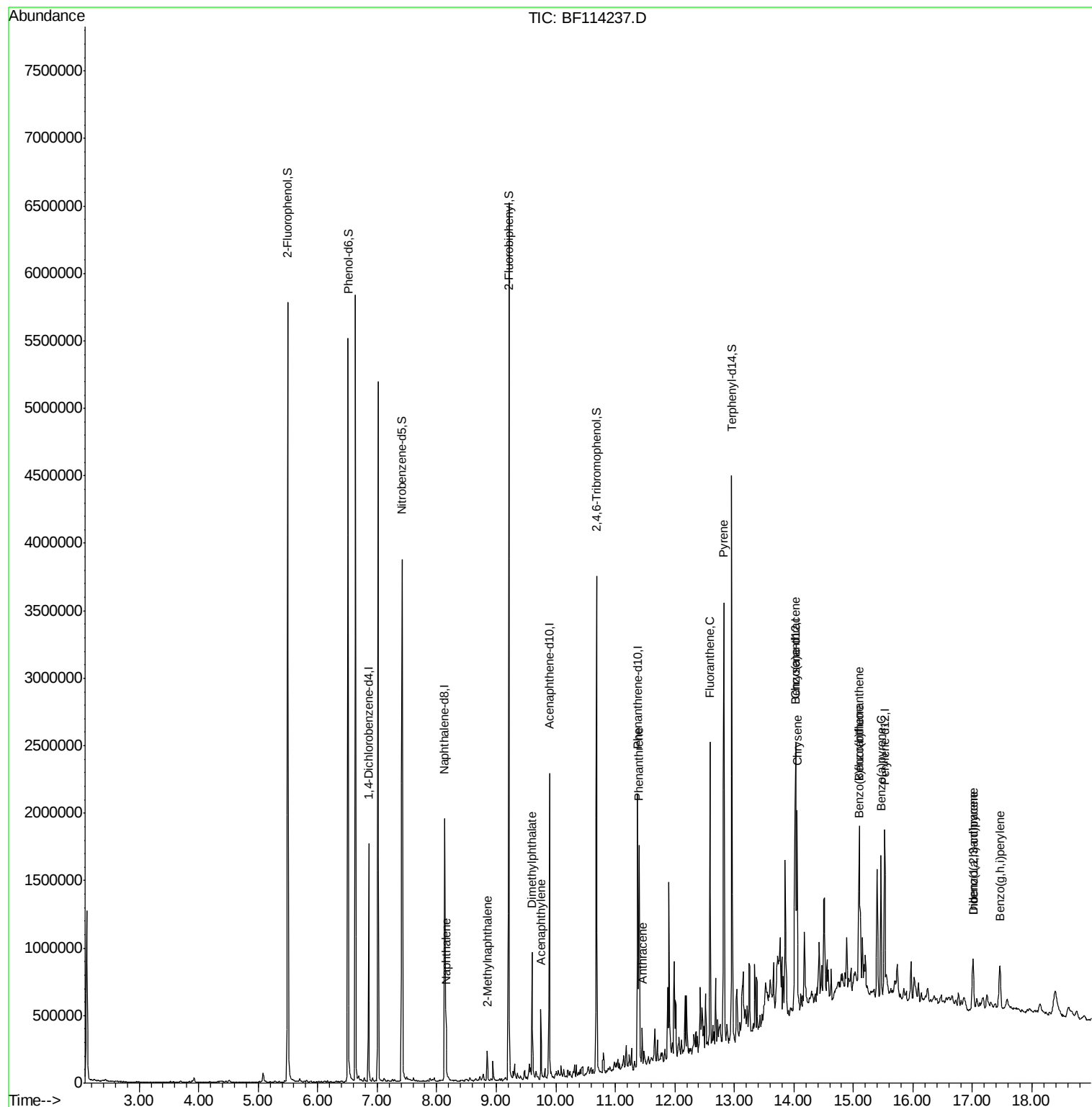
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114237.D
Acq On : 13 May 2019 18:52
Operator : JU/SJ
Sample : K2767-05
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ALS Vial : 18 Sample Multiplier: 1

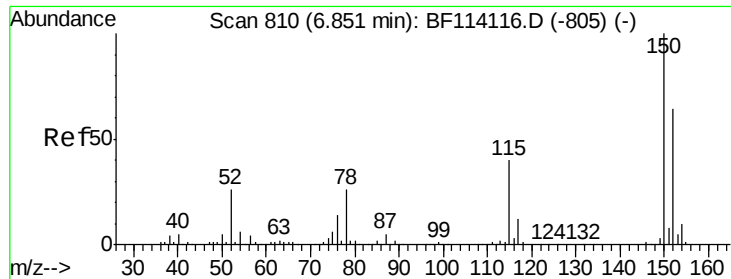
Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

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Quant Time: May 14 06:18:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

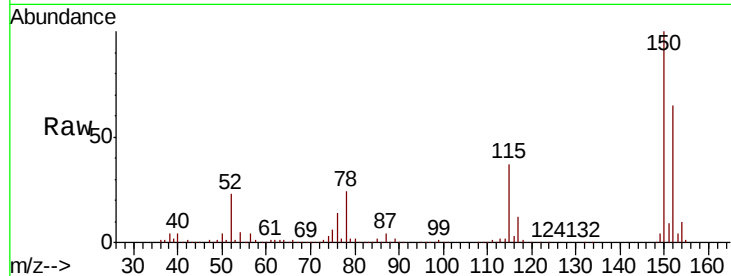
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.3	186.5
115	57.4	49.1	73.7

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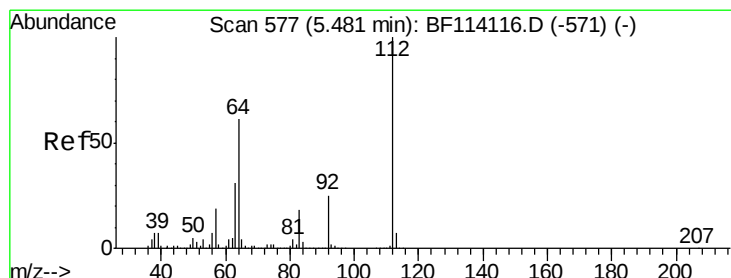
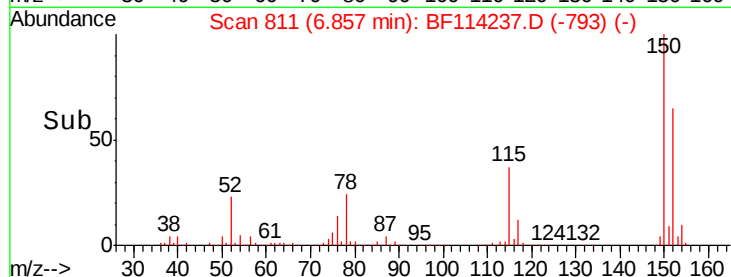
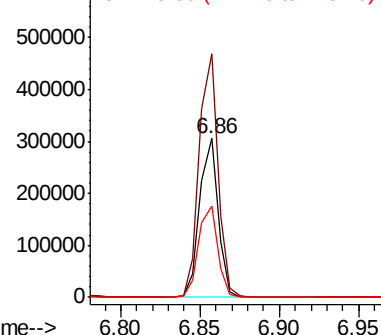


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

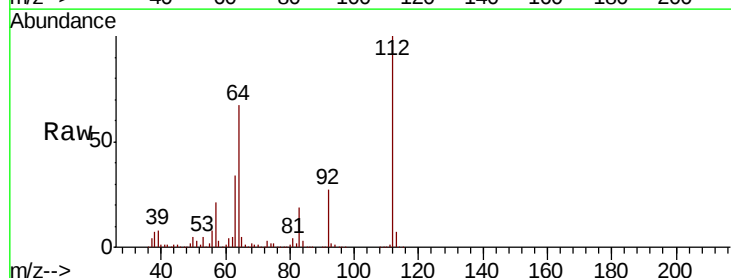
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.066 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	49.0	73.6
63	34.0	24.6	37.0

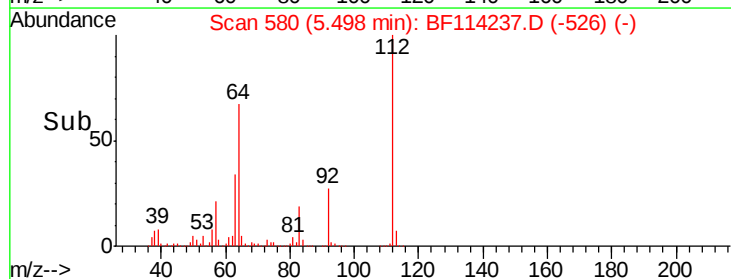
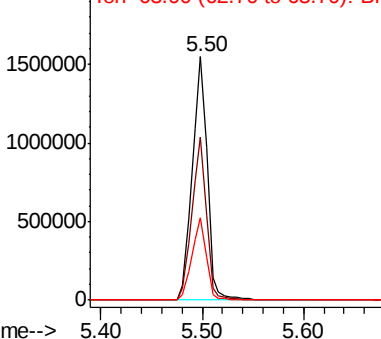


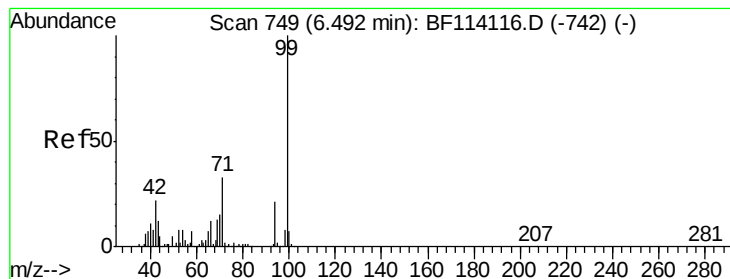
Abundance

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





#7

Phenol-d6

Concen: 118.849 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

ClientSampleId :

P026-SS010-1218-01

Tot Ion: 99 Resp: 2166848

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

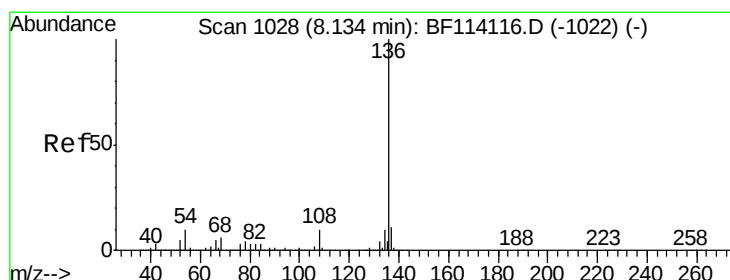
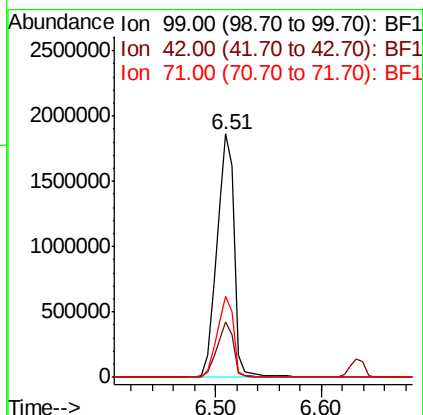
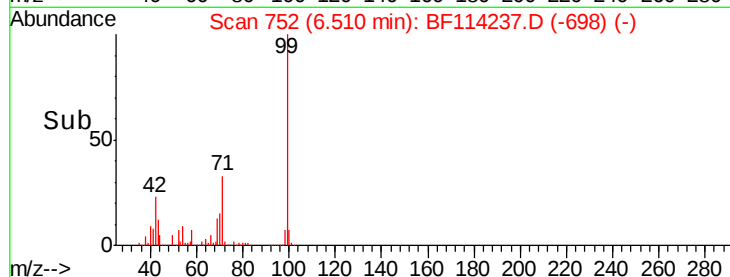
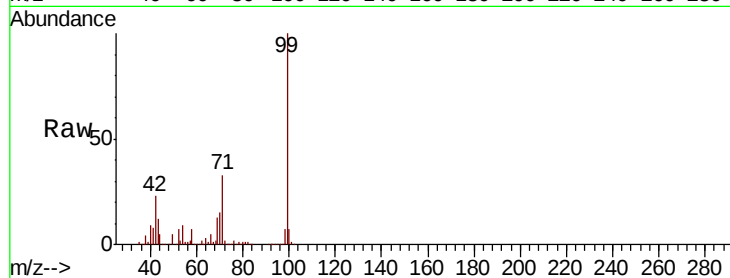
71 33.1 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Tgt Ion: 136 Resp: 930253

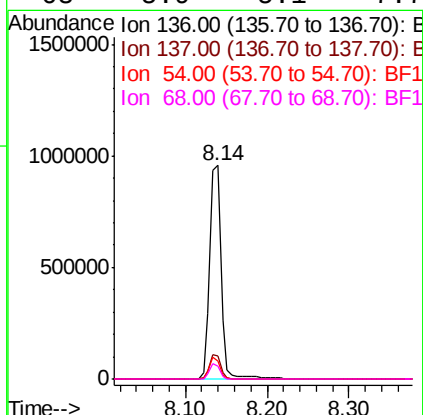
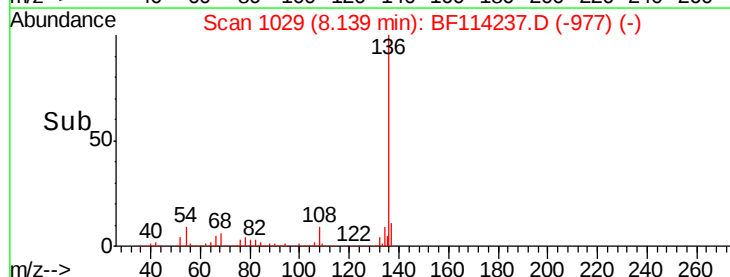
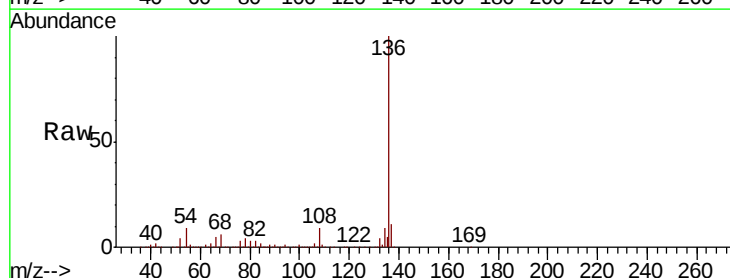
Ion Ratio Lower Upper

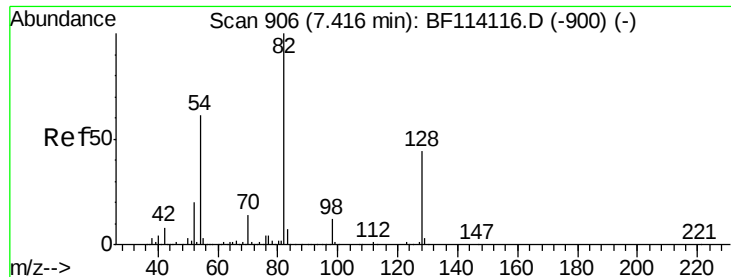
136 100

137 10.8 8.8 13.2

54 8.7 7.8 11.8

68 5.9 5.1 7.7





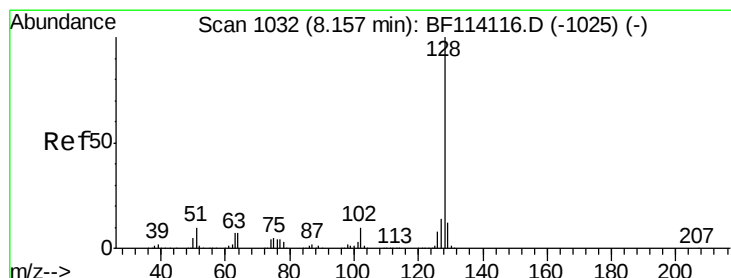
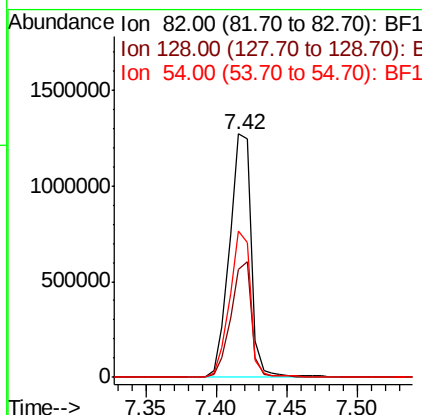
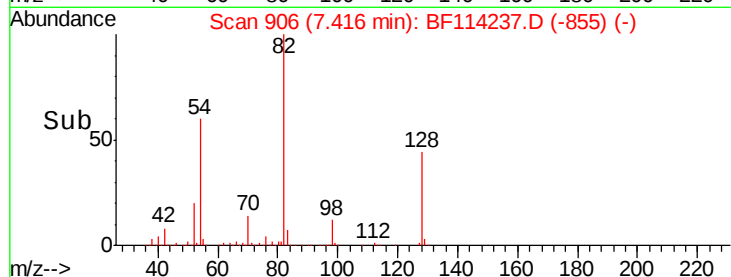
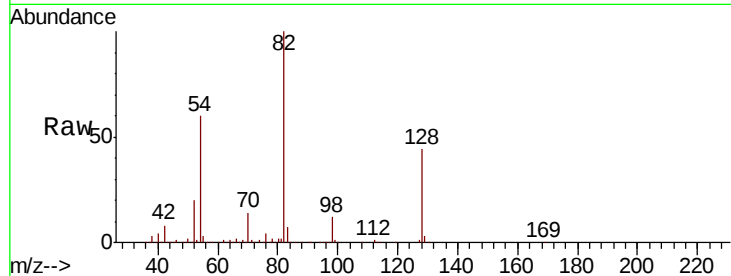
#23
Nitrobenzene-d5
Concen: 82.334 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.5	53.3
54	59.9	48.5	72.7

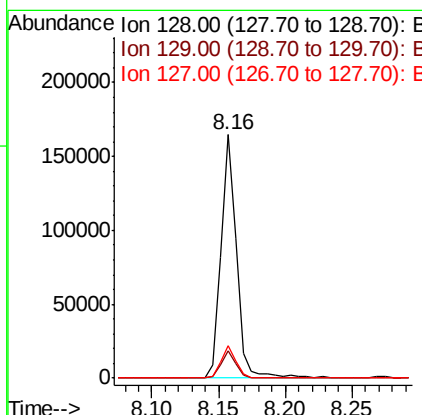
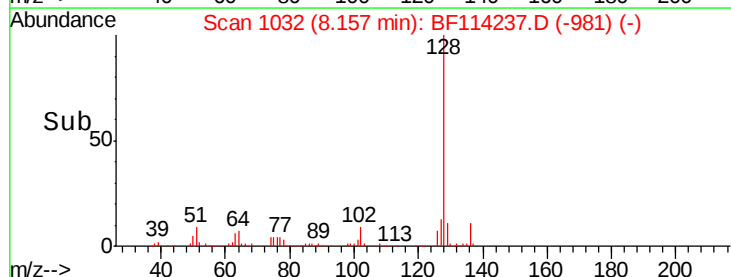
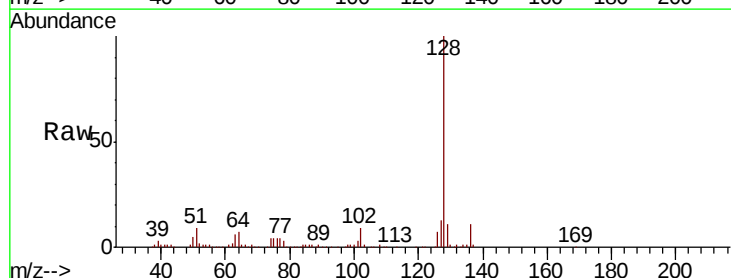
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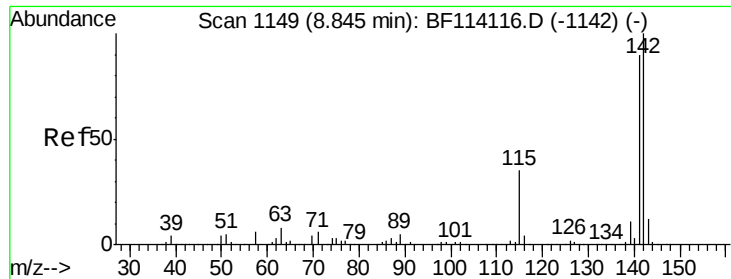
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#31
Naphthalene
Concen: 3.164 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.6	14.4
127	13.2	11.3	16.9





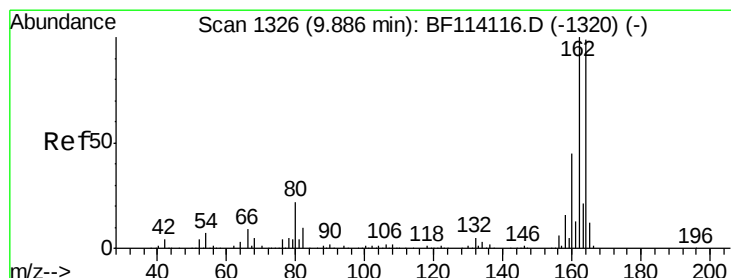
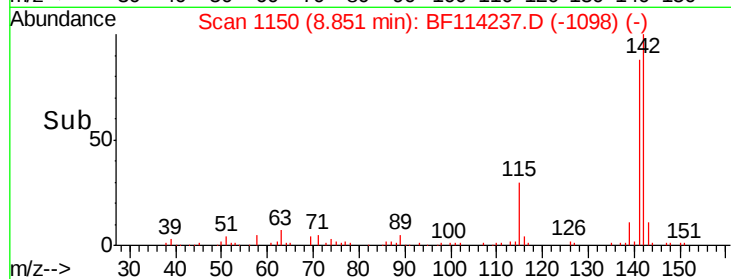
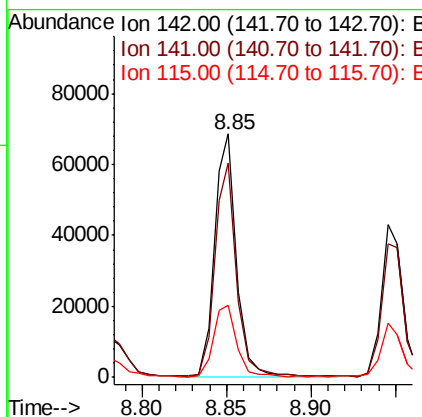
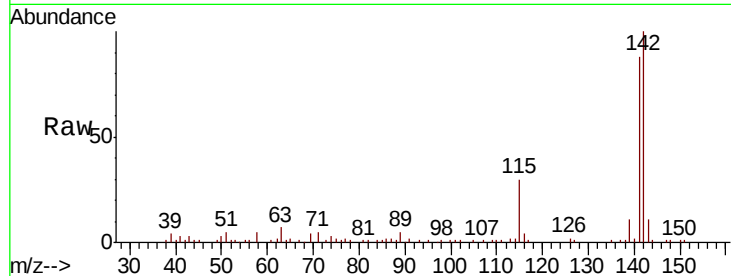
#37
2-Methylnaphthalene
Concen: 2.248 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	72.1	108.1
115	29.7	28.0	42.0

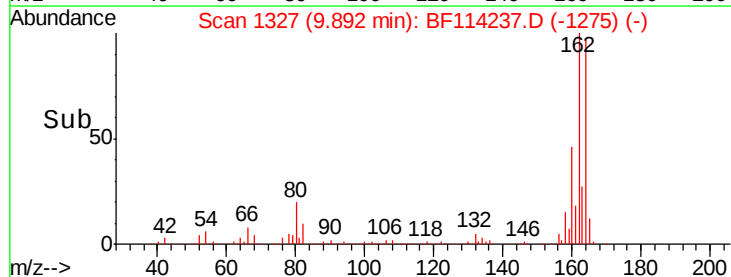
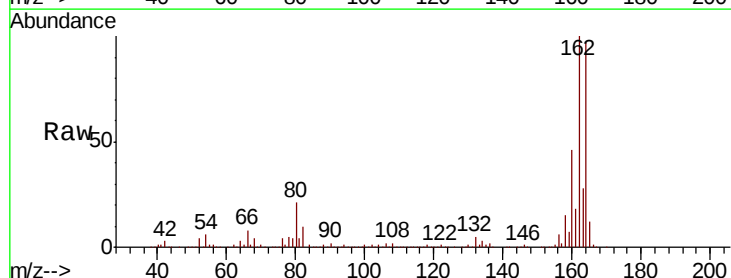
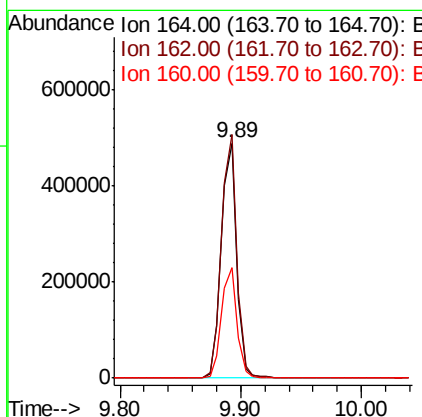
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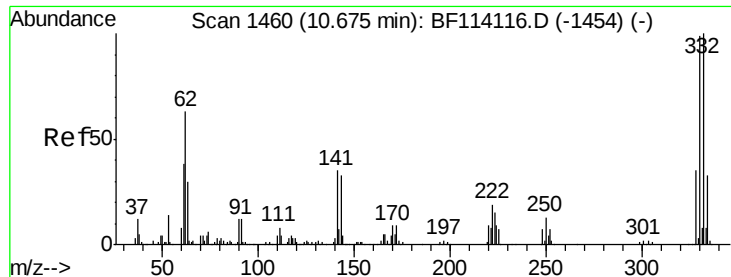
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.6	120.8
160	47.1	36.5	54.7





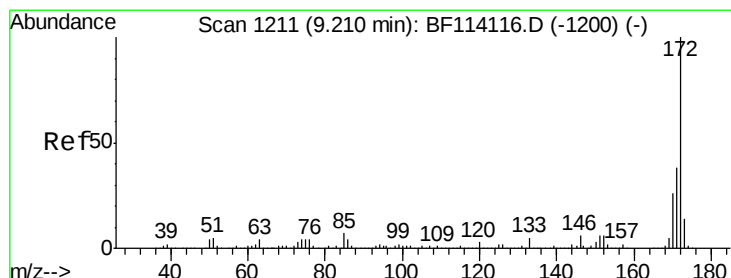
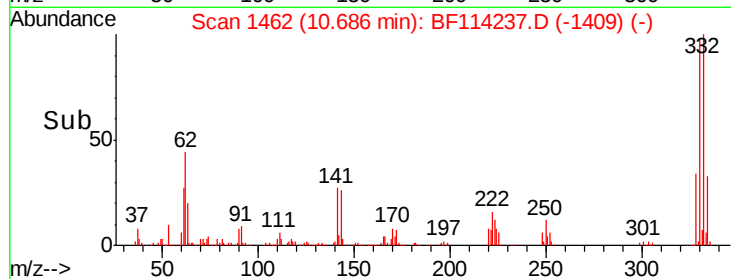
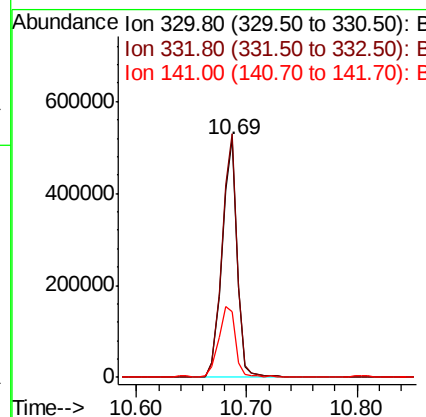
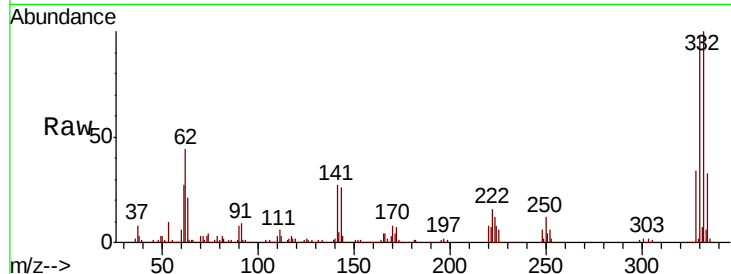
#42
 2,4,6-Tribromophenol
 Concen: 110.884 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF114237.D
 Acq: 13 May 2019 18:52

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS010-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.0	491600	81.4	122.2
141	32.4		26.6	40.0

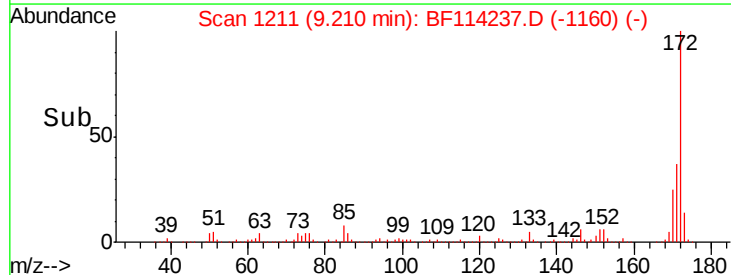
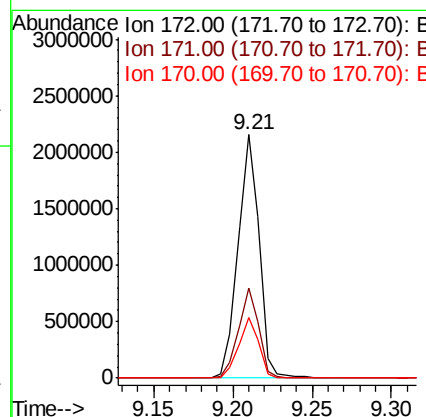
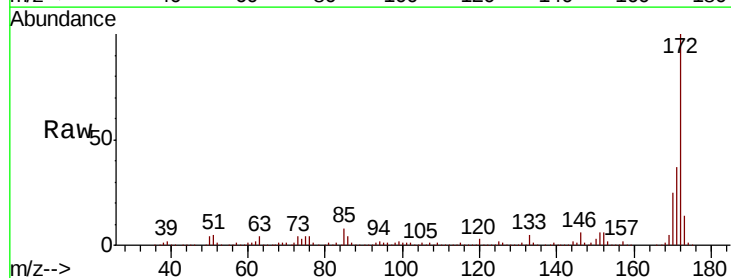
Manual Integrations
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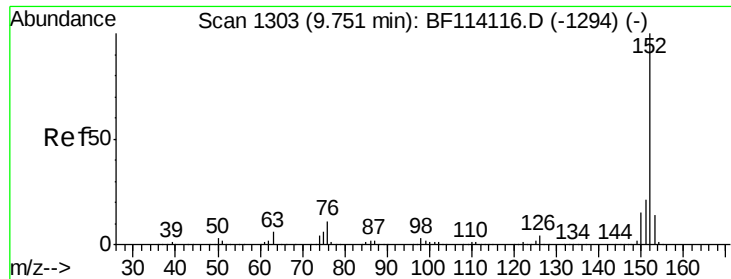
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#45
 2-Fluorobiphenyl
 Concen: 70.137 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114237.D
 Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1988382		
171	36.9		30.7	46.1
170	24.8		20.5	30.7





#49

Acenaphthylene

Concen: 4.455 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

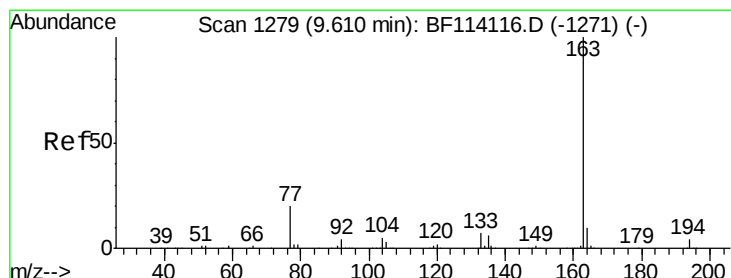
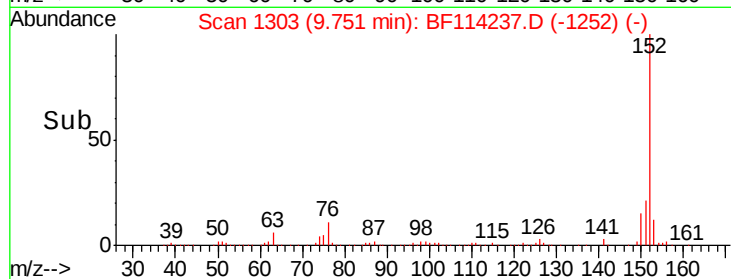
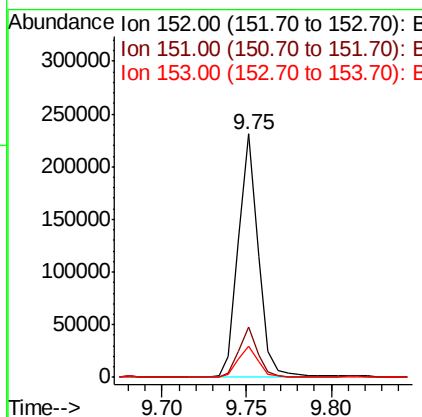
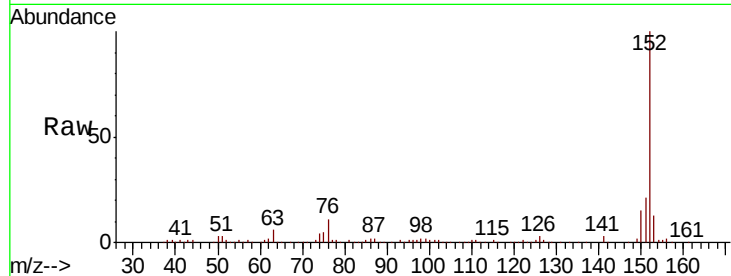
ClientSampleId :

P026-SS010-1218-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		188916		
151	20.8	16.8	25.2		
153	12.6	11.4	17.2		

Manual Integrations
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#50

Dimethylphthalate

Concen: 11.358 ng

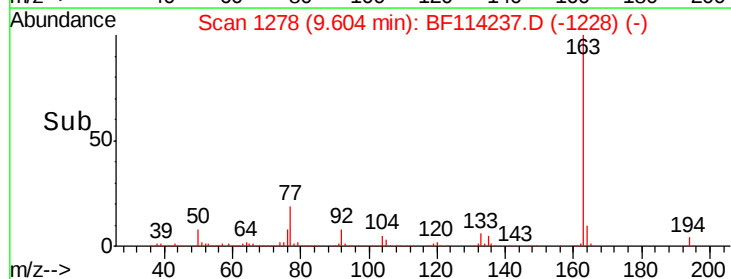
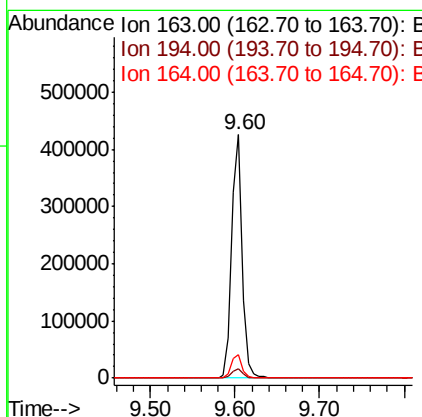
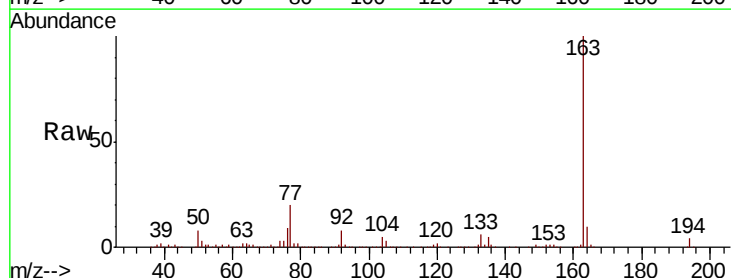
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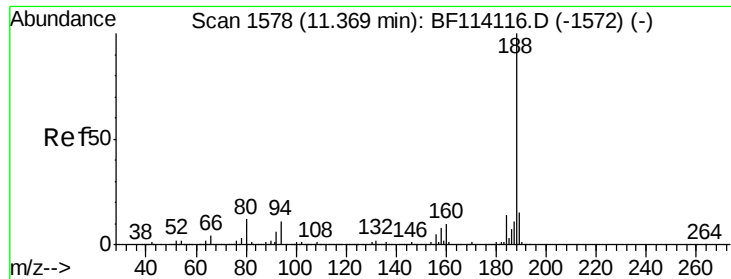
Delta R.T. -0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		357572		
194	3.9	3.4	5.0		
164	9.6	8.2	12.2		





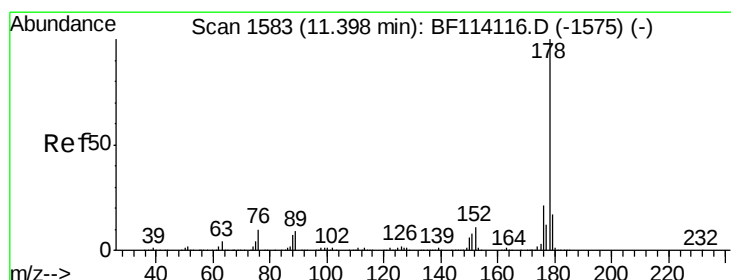
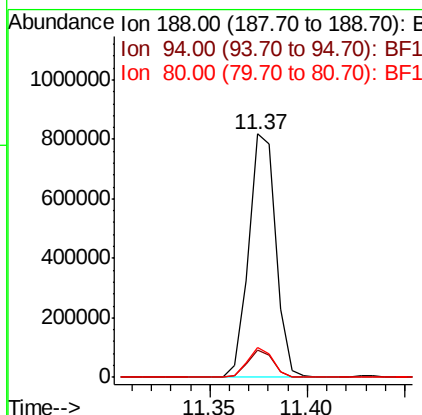
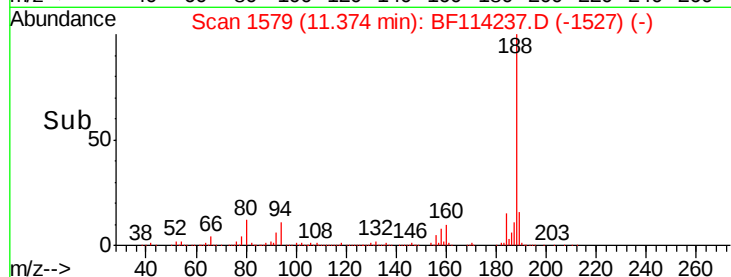
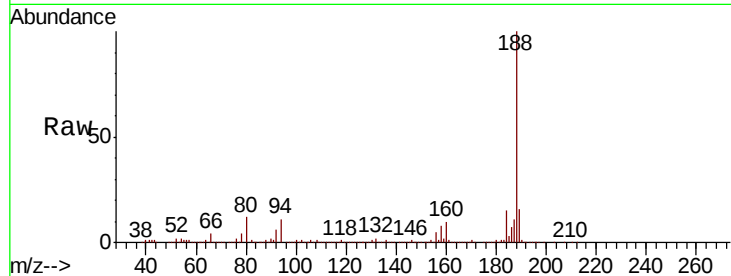
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.2	8.4	12.6
80	12.0	9.2	13.8

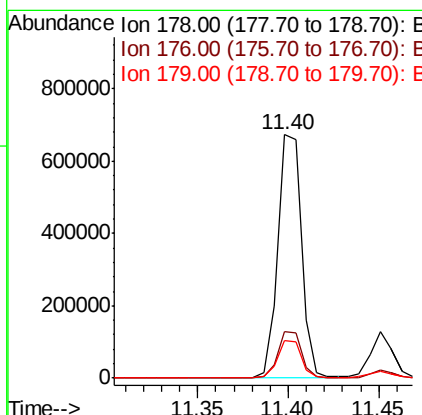
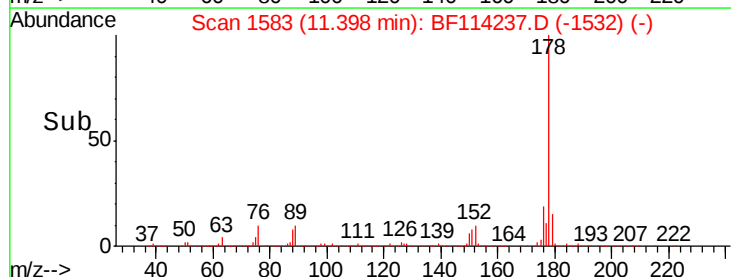
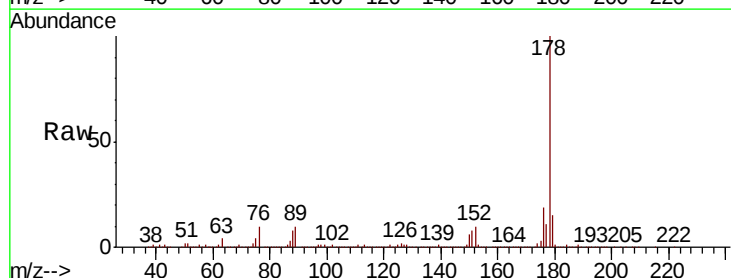
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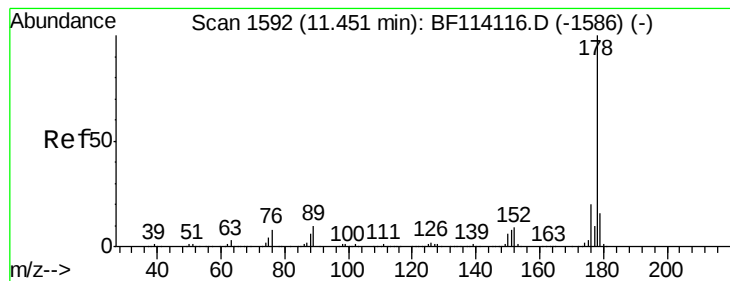
Sohil
5/14/2019 8:03:23 PM



#71
Phenanthrene
Concen: 15.958 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.4	24.6
179	15.2	13.2	19.8





#72

Anthracene

Concen: 2.703 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

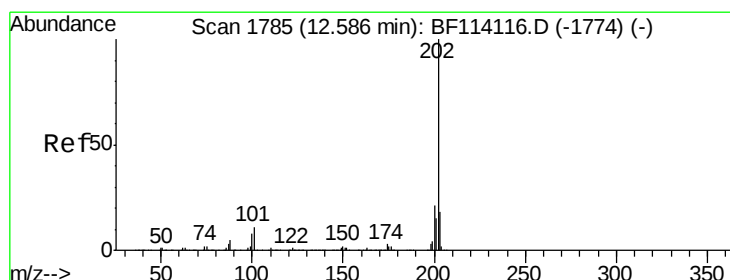
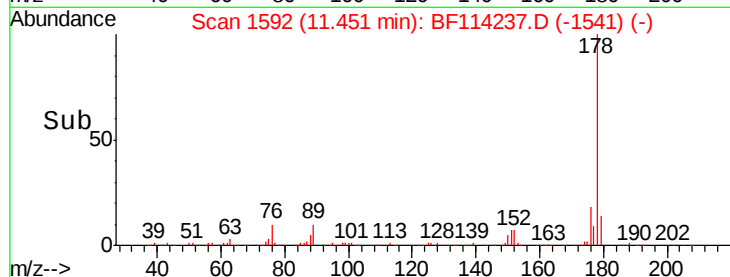
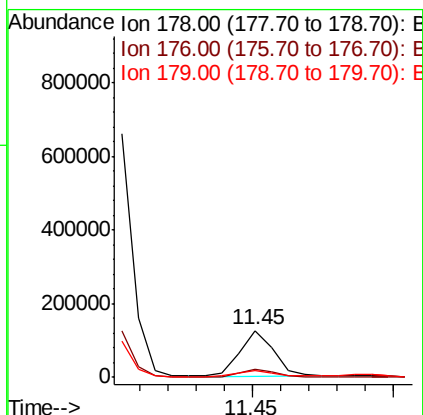
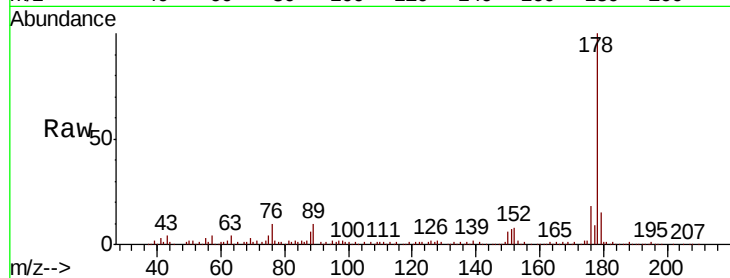
ClientSampleId :

P026-SS010-1218-01

Tot Ion:178	Resp:	104245
Ion Ratio	Lower	Upper
178	100	
176	18.0	15.8 23.8
179	14.9	13.0 19.4

Manual Integrations
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#75

Fluoranthene

Concen: 19.787 ng

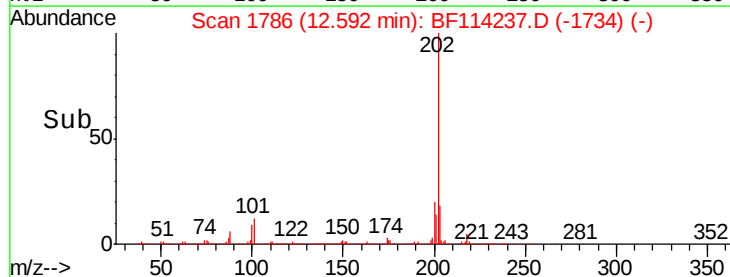
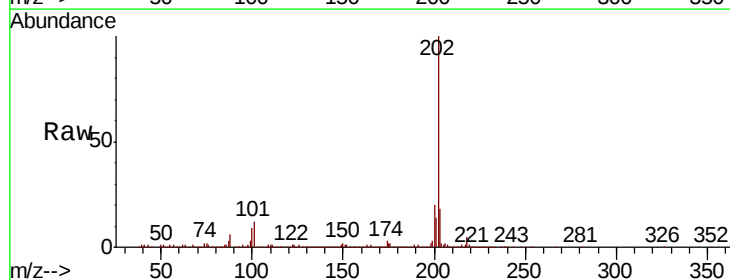
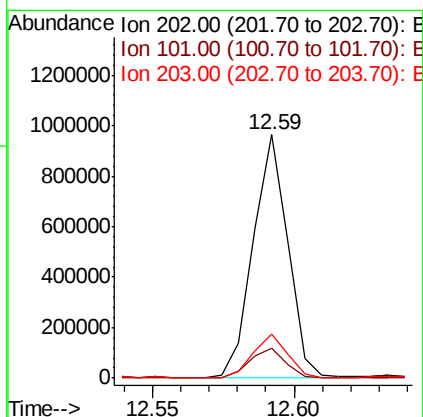
RT: 12.59 min Scan# 1786

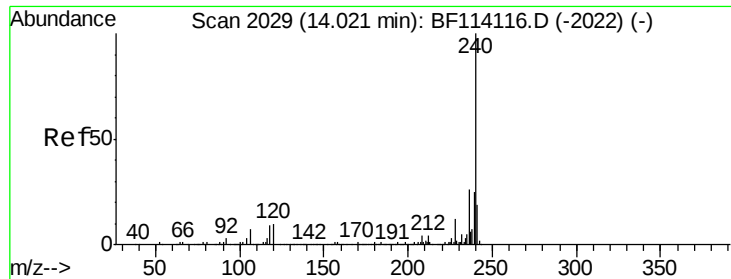
Delta R.T. 0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Tgt Ion:202	Resp:	818228
Ion Ratio	Lower	Upper
202	100	
101	12.1	0.0 31.0
203	17.9	0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

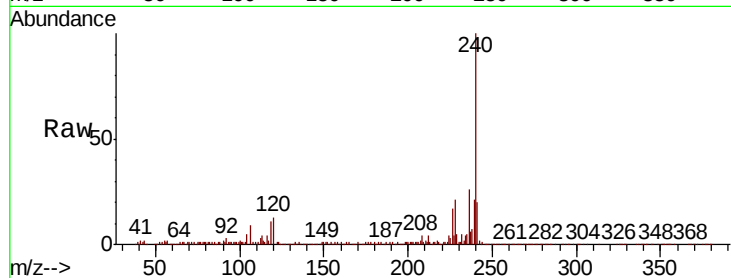
ClientSampleId :

P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.3	12.5
236	25.7	20.8	31.2

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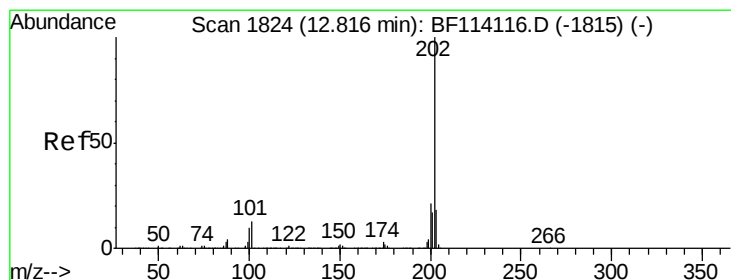
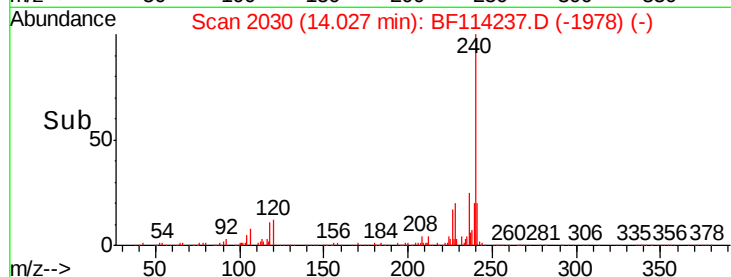
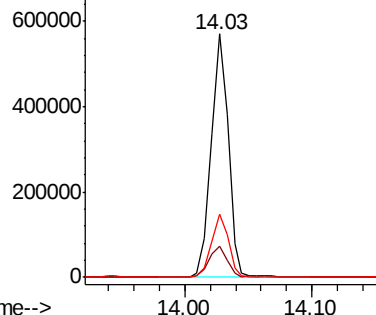


Abundance

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: 32.642 ng

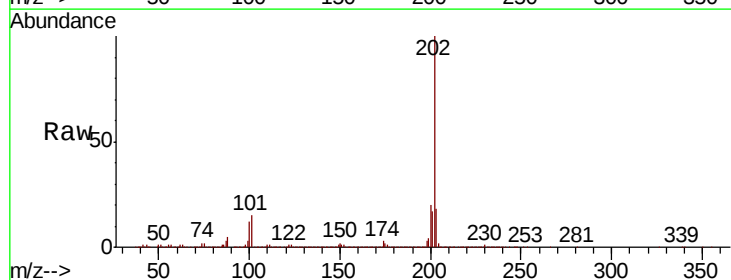
RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.9	25.3
203	17.8	14.5	21.7

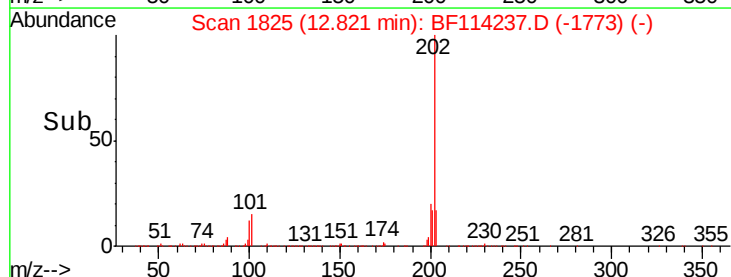
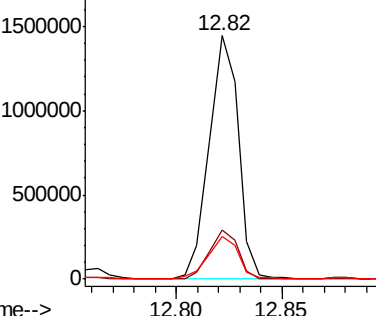


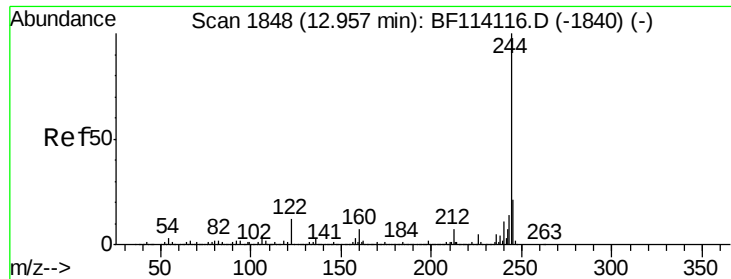
Abundance

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: 61.081 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

ClientSampleId :

P026-SS010-1218-01

Tot Ion:244 Resp: 1556821

Ion Ratio Lower Upper

244 100

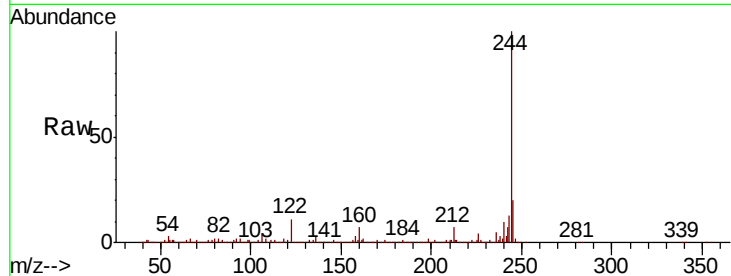
212 6.7 5.8 8.6

122 11.1 9.4 14.2

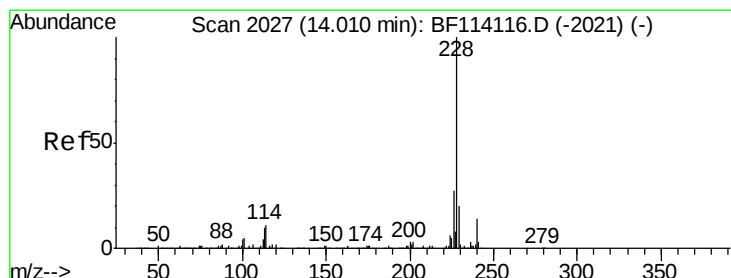
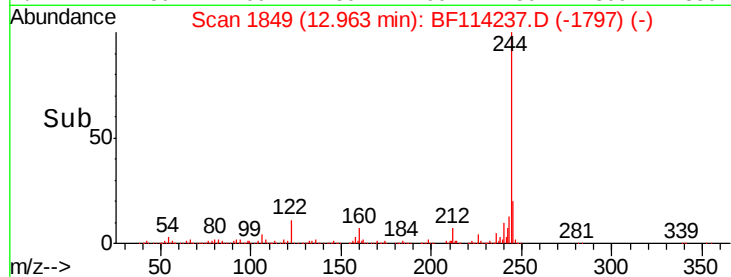
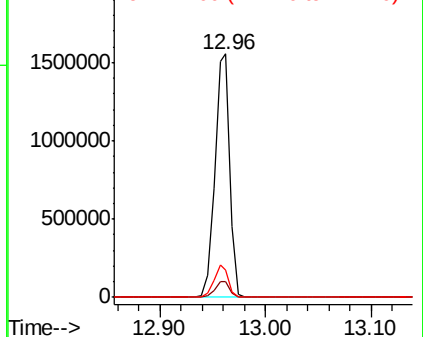
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 14.919 ng m

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Tgt Ion:228 Resp: 507000

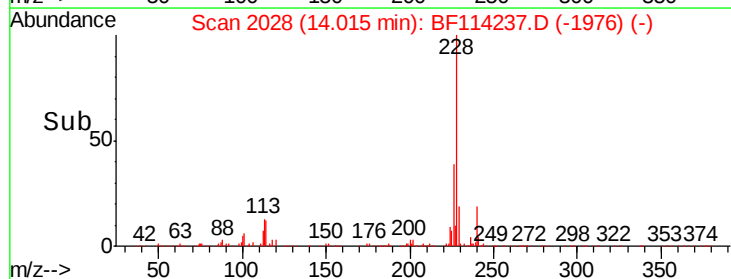
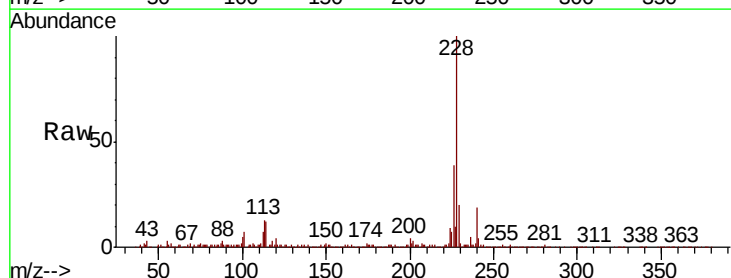
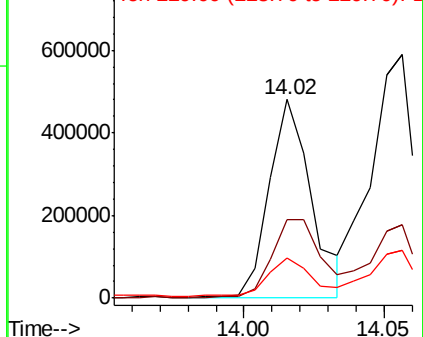
Ion Ratio Lower Upper

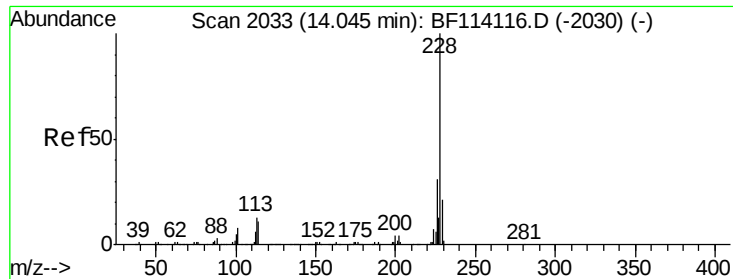
228 100

226 39.3 22.2 33.2#

229 20.3 16.4 24.6

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





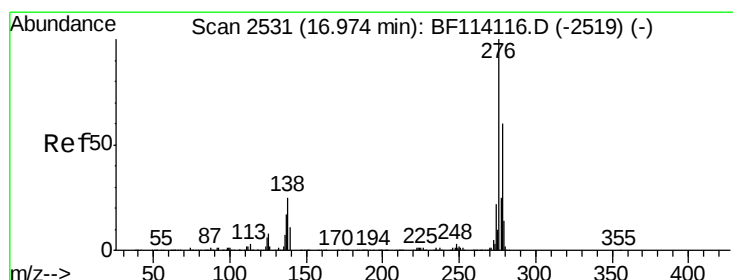
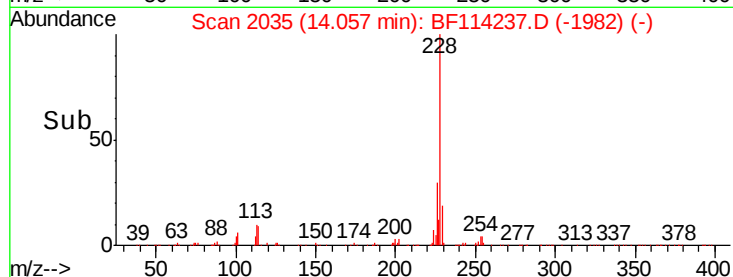
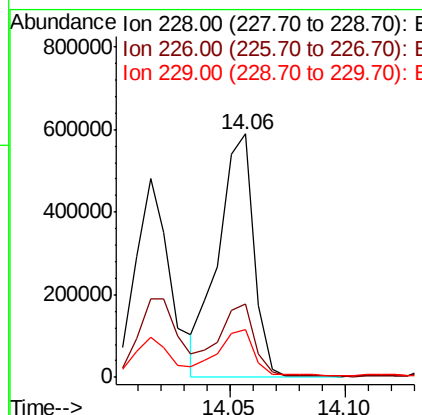
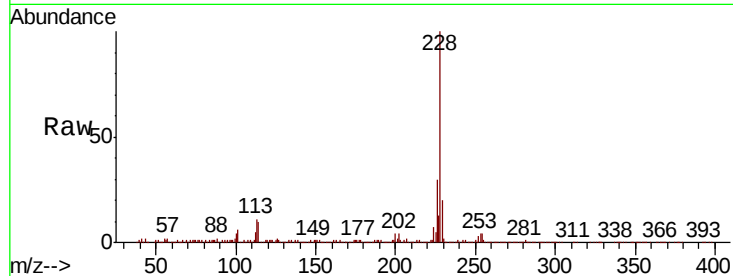
#83
Chrysene
Concen: 18.752 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	19.7	17.0	25.6

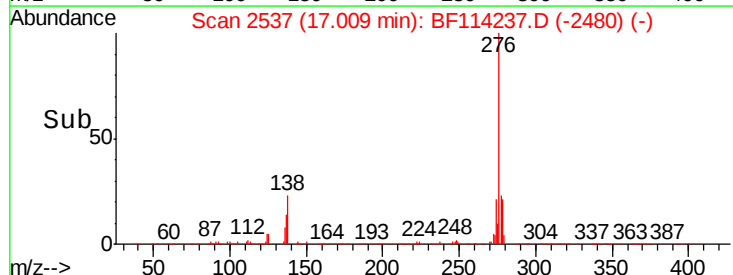
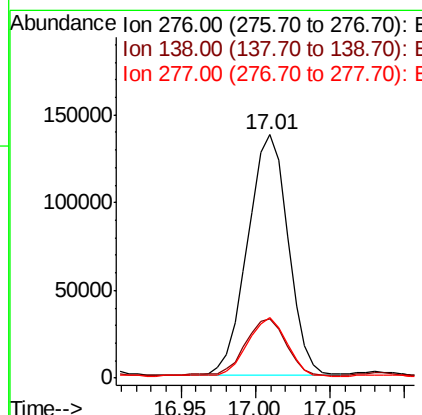
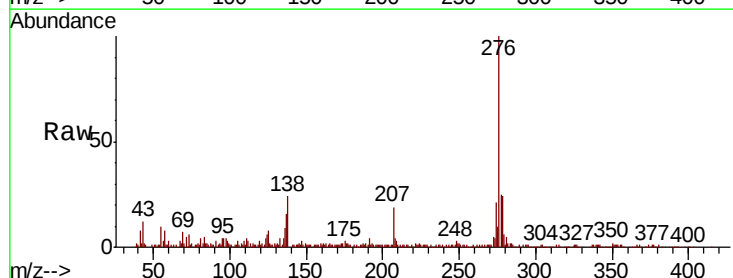
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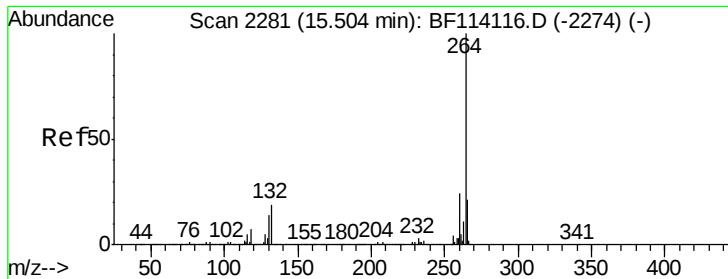
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.750 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.2	30.2
277	24.5	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.02 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

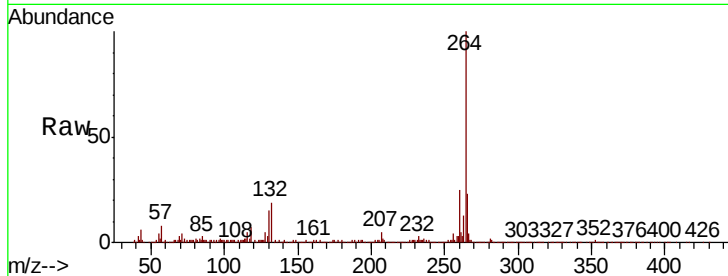
ClientSampleId :

P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.8	16.9	25.3

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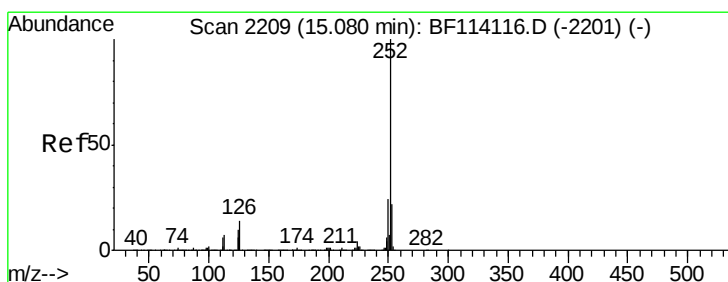
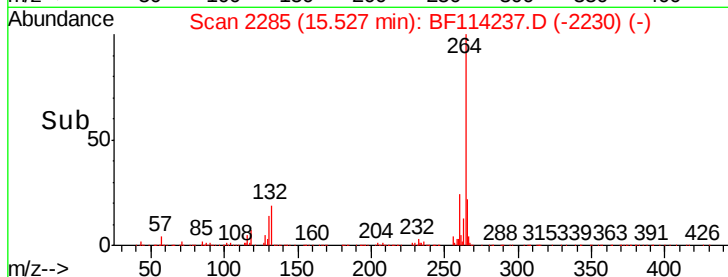
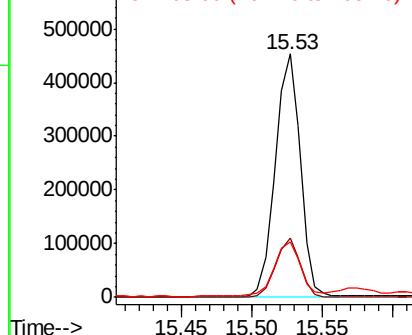


Abundance

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: 18.311 ng m

RT: 15.10 min Scan# 2212

Delta R.T. 0.02 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

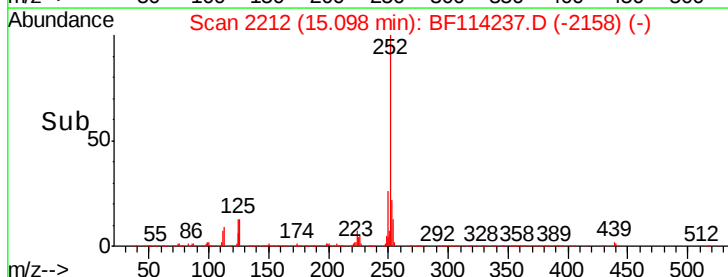
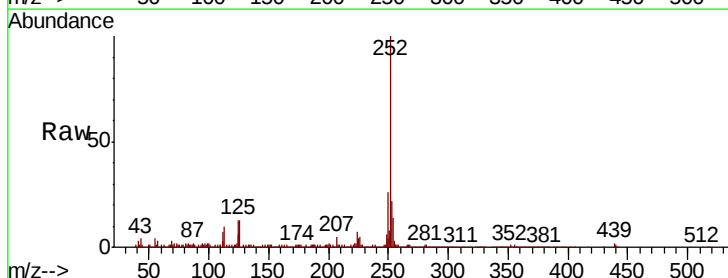
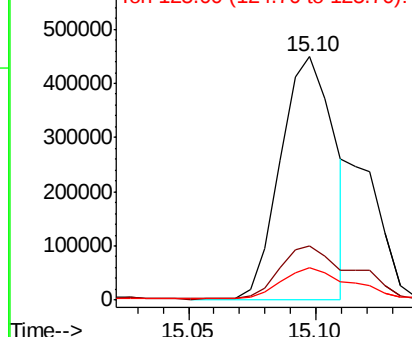
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	13.3	8.3	12.5#

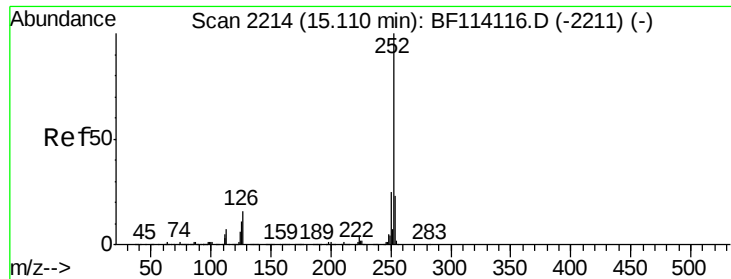
Abundance

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: 6.977 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Instrument :

BNA_F

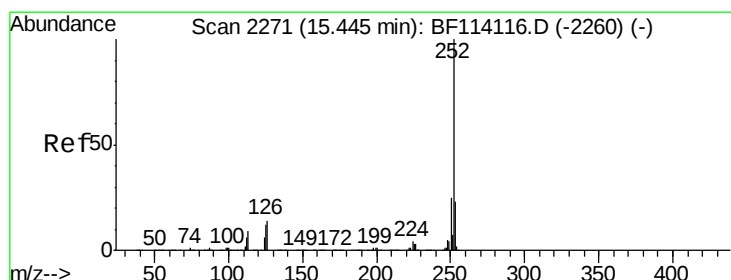
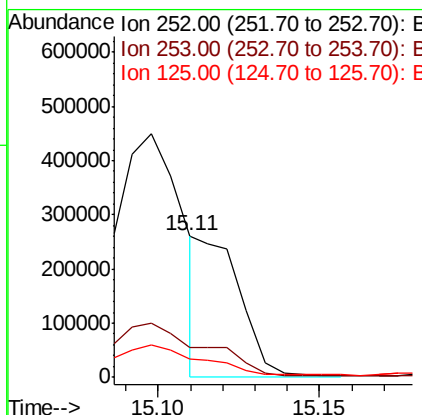
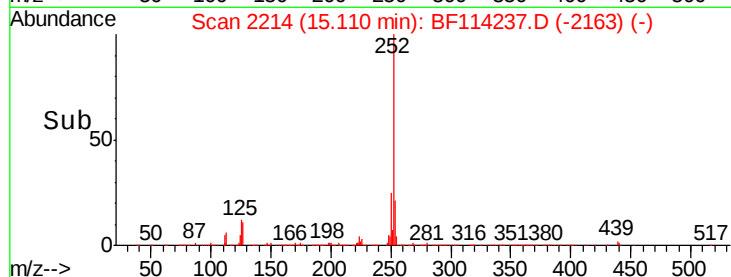
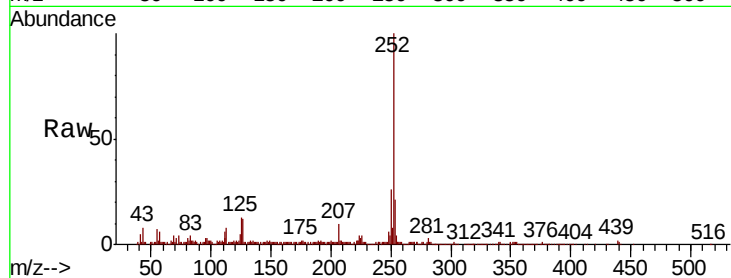
ClientSampleId :

P026-SS010-1218-01

Tot Ion:	252	Resp:	231757
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.2
125	12.9	8.6	13.0

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 13.345 ng

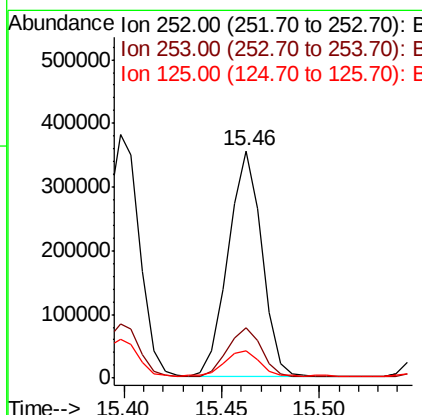
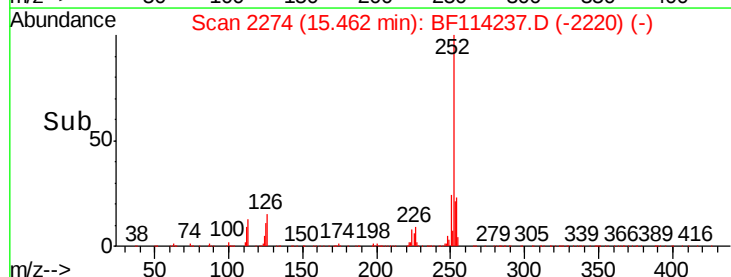
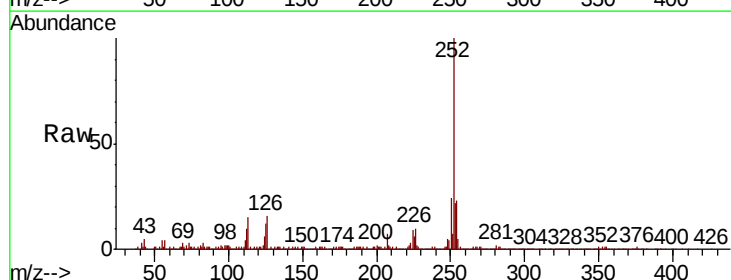
RT: 15.46 min Scan# 2274

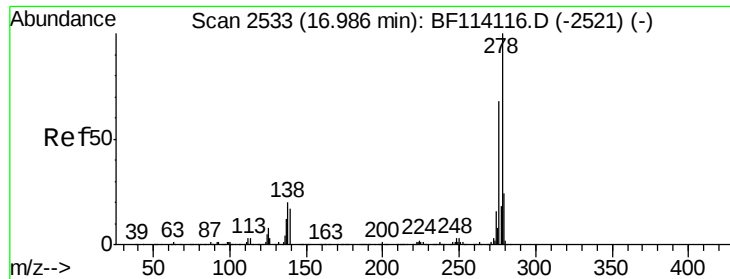
Delta R.T. 0.02 min

Lab File: BF114237.D

Acq: 13 May 2019 18:52

Tgt Ion:	252	Resp:	424688
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	12.1	9.5	14.3





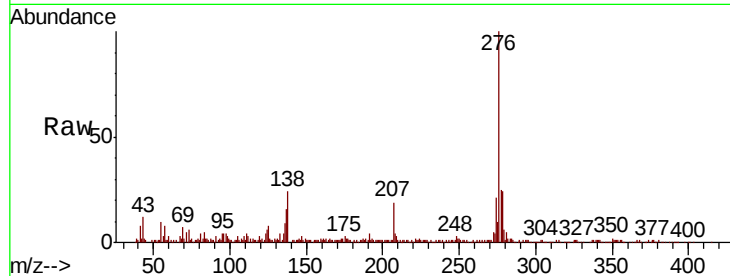
#91
Dibenzo(a,h)anthracene
Concen: 2.649 ng/mL
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Instrument :
BNA_F
ClientSampleId :
P026-SS010-1218-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3
279	24.7	19.0	28.6

Manual Integrations
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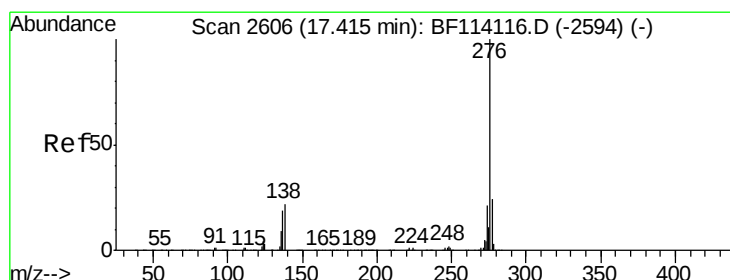
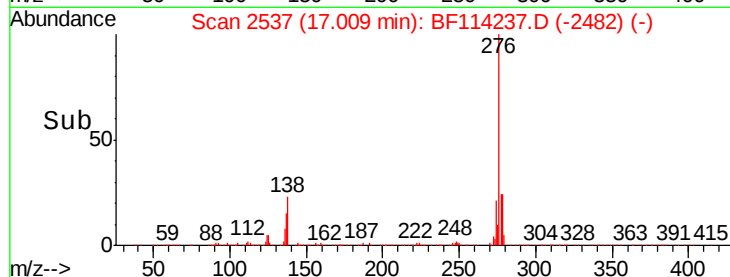
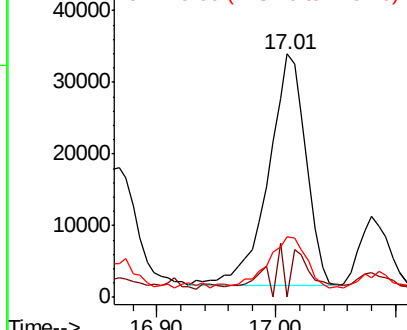


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 10.825 ng/mL
RT: 17.46 min Scan# 2614
Delta R.T. 0.05 min
Lab File: BF114237.D
Acq: 13 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.4
138	23.5	17.8	26.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

