

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114169.D
 Acq On : 11 May 2019 22:41
 Operator : JU/SJ
 Sample : K2765-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0206-01

Manual Integrations
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 5/13/2019 8:35:59 PM

Quant Time: May 13 08:11:50 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	245035	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	914409	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	434523	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	879071	20.00	ng	0.00
76) Chrysene-d12	14.00	240	566490	20.00	ng	-0.02
87) Perylene-d12	15.47	264	684611	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1671833	109.80	ng	0.00
7) Phenol-d6	6.49	99	2236360	124.18	ng	0.00
23) Nitrobenzene-d5	7.41	82	1351636	82.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	563250	125.38	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2259887	78.67	ng	0.00
79) Terphenyl-d14	12.95	244	2251479	81.93	ng	0.00
Target Compounds						
49) Acenaphthylene	9.74	152	219038	5.098	ng	97
50) Dimethylphthalate	9.59	163	397539	12.463	ng	100
71) Phenanthrene	11.39	178	382294	8.939	ng	97
72) Anthracene	11.44	178	97422	2.268	ng	97
75) Fluoranthene	12.58	202	927111	20.130	ng	100
78) Pyrene	12.81	202	1615779	35.456	ng	99
81) Benzo(a)anthracene	13.99	228	615563m	16.800	ng	
83) Chrysene	14.03	228	781498	21.758	ng	99
86) Indeno(1,2,3-cd)pyrene	16.93	276	635654	20.025	ng	96
88) Benzo(b)fluoranthene	15.04	252	1073392m	24.473	ng	
89) Benzo(k)fluoranthene	15.07	252	237135m	5.886	ng	
90) Benzo(a)pyrene	15.40	252	661116	17.127	ng	99
91) Dibenzo(a,h)anthracene	16.93	278	163047m	5.083	ng	
92) Benzo(a,h,i)perylene	17.37	276	750274	23.341	ng	99

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

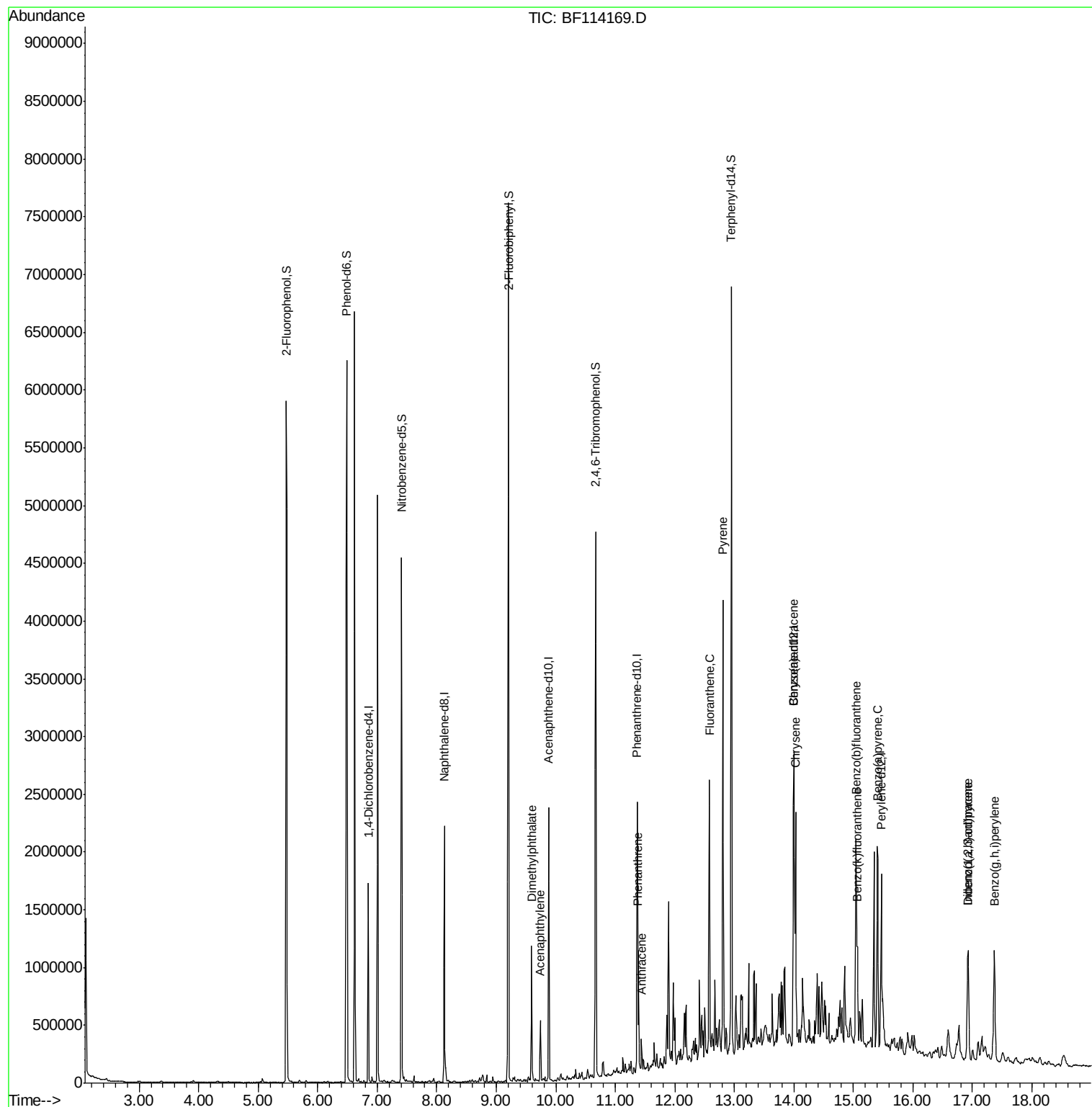
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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ALS Vial : 9 Sample Multiplier: 1

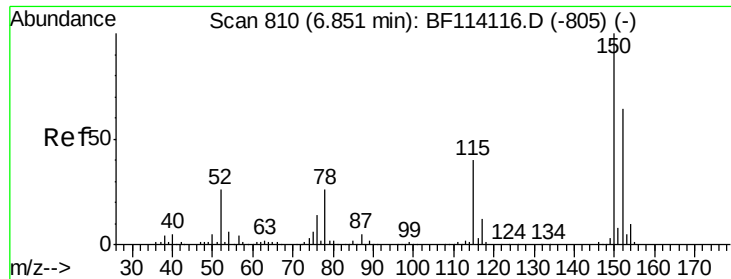
Instrument :
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#1

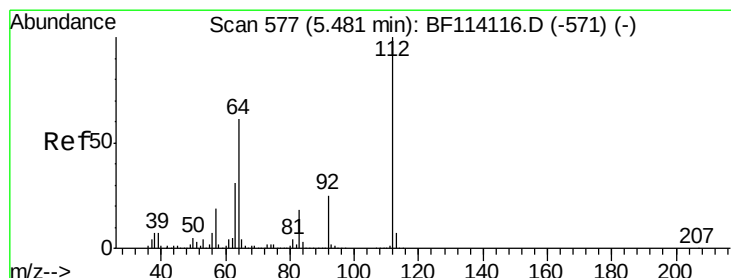
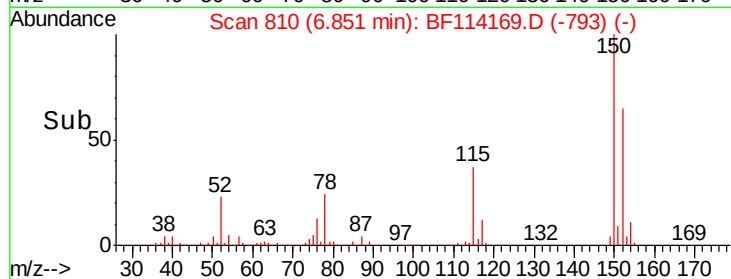
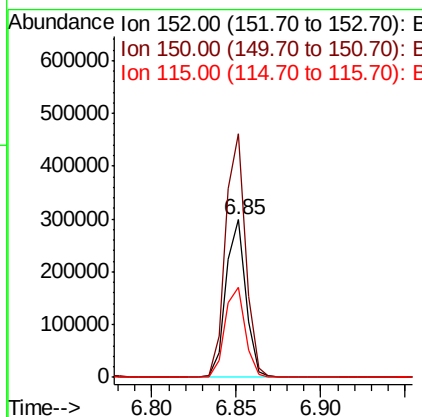
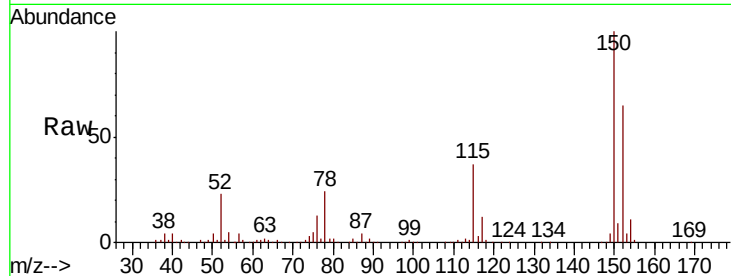
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	57.3	49.1	73.7

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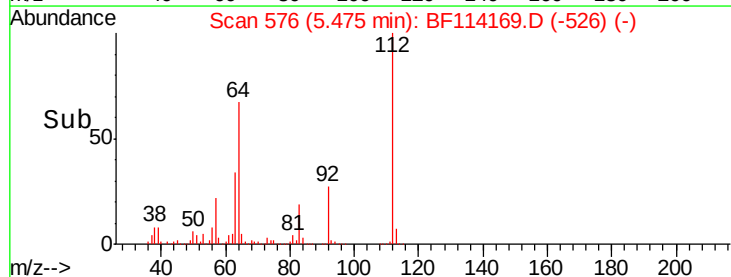
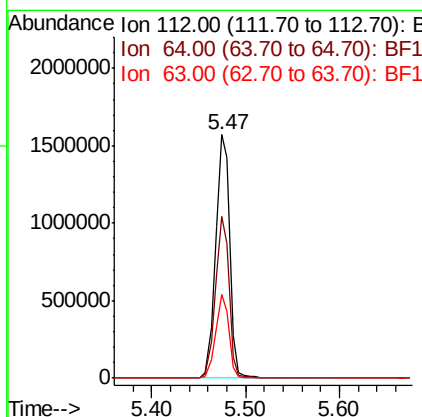
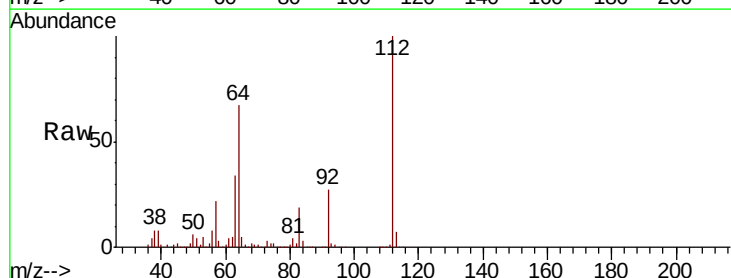
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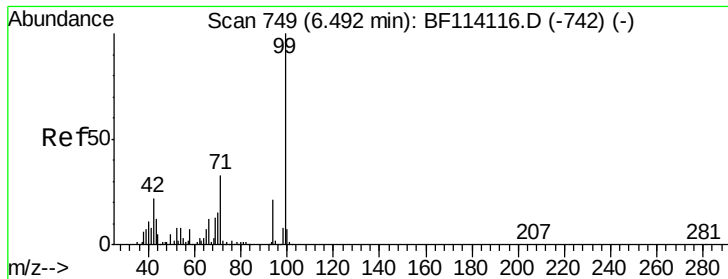


#5

2-Fluorophenol
Concen: 109.797 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	49.0	73.6
63	34.2	24.6	37.0





#7

Phenol-d6

Concen: 124.181 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

Tot Ion: 99 Resp: 2236360

Ion Ratio Lower Upper

99 100

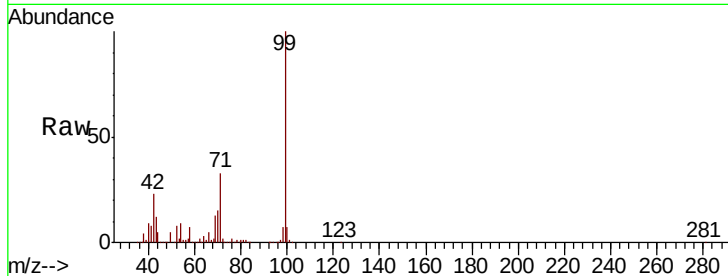
42 23.4 17.9 26.9

71 33.2 26.2 39.2

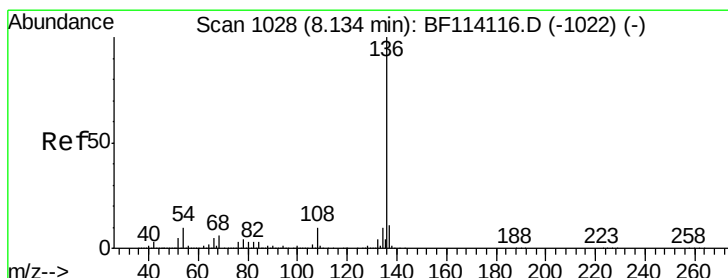
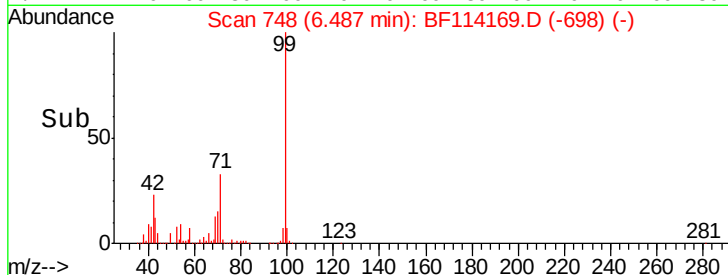
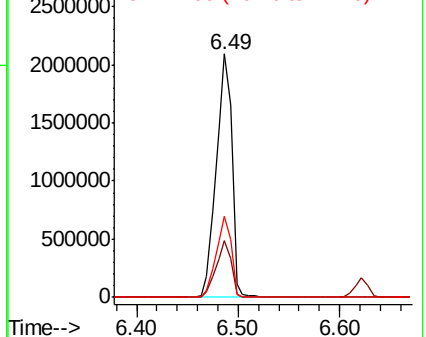
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Tgt Ion: 136 Resp: 914409

Ion Ratio Lower Upper

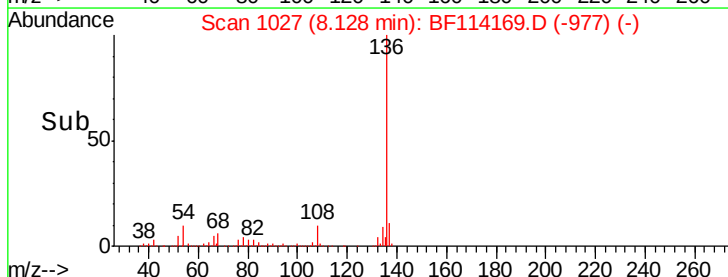
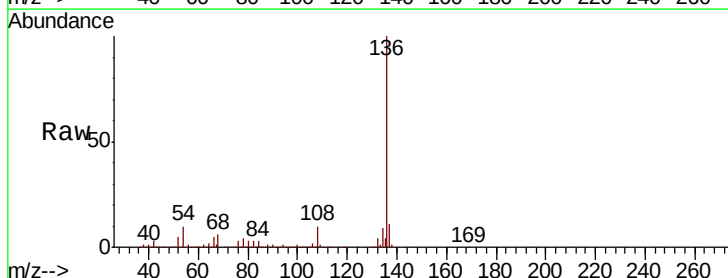
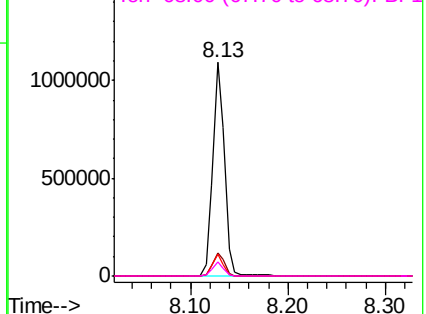
136 100

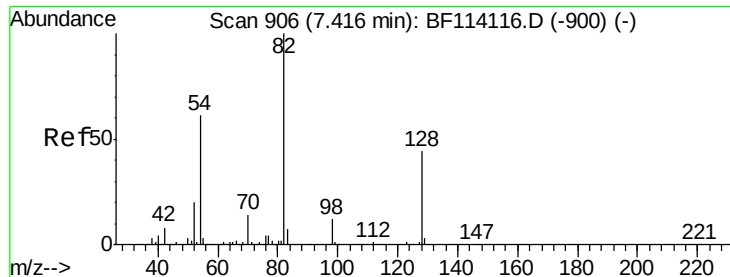
137 10.9 8.8 13.2

54 9.9 7.8 11.8

68 6.4 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





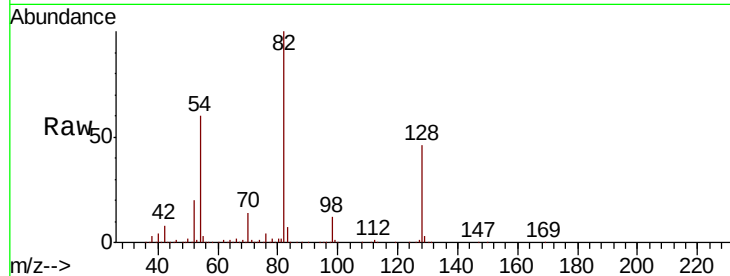
#23
Nitrobenzene-d5
Concen: 82.954 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

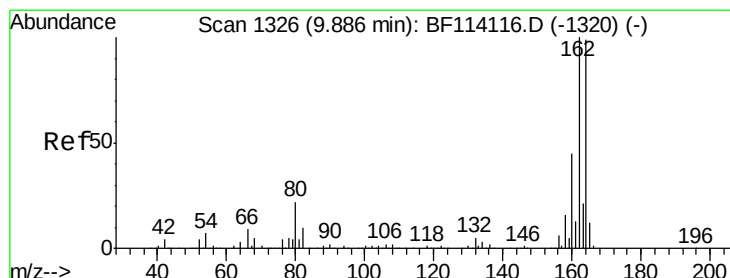
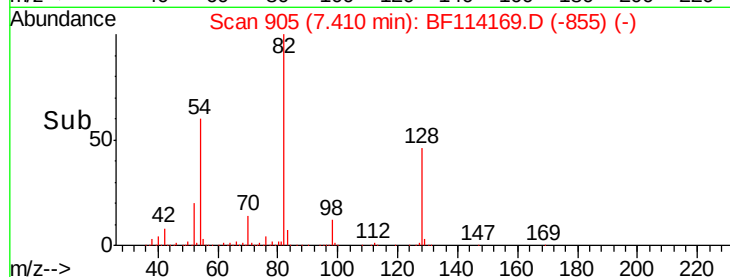
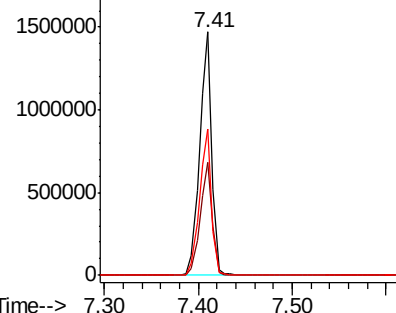
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.5	53.3
54	60.0	48.5	72.7

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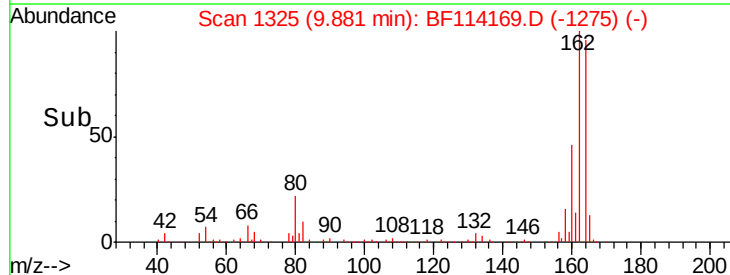
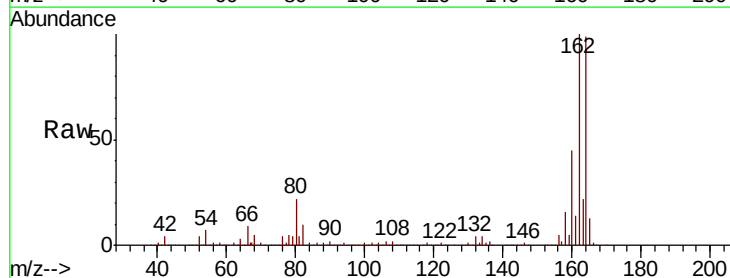
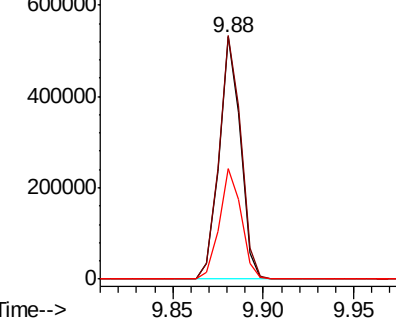
Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

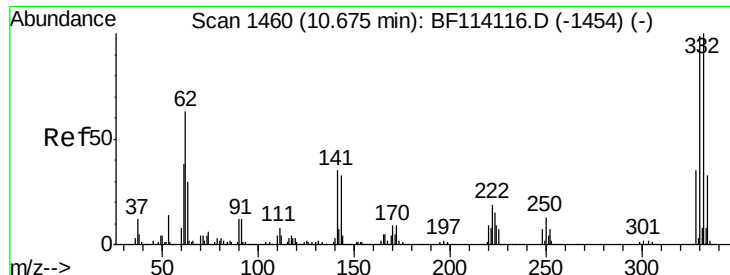


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.7	36.5	54.7

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





#42

2,4,6-Tribromophenol

Concen: 125.383 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

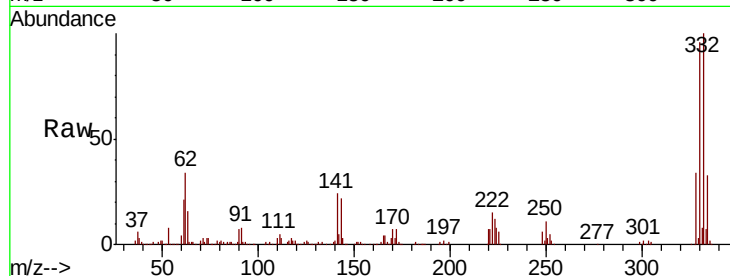
ClientSampleId :

P026-SS004-0206-01

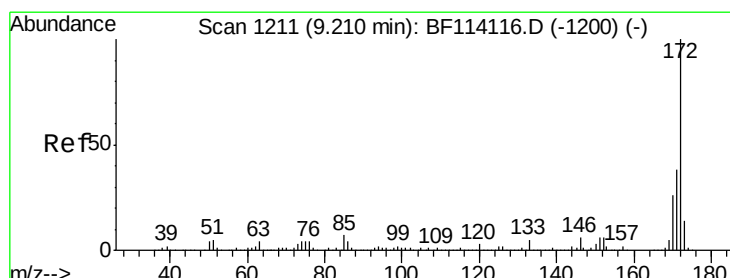
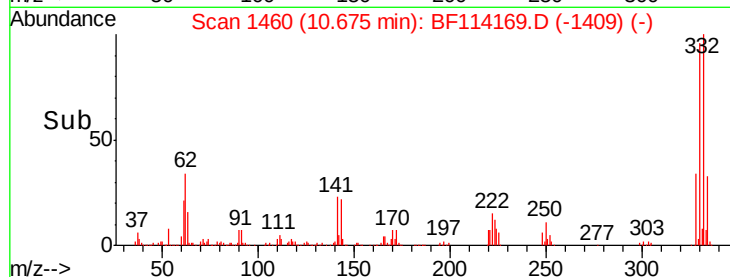
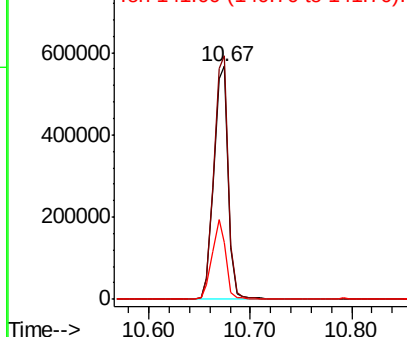
Tot Ion:	330	Resp:	563250
Ion Ratio	Lower	Upper	
330	100		
332	103.7	81.4	122.2
141	32.1	26.6	40.0

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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: 78.671 ng

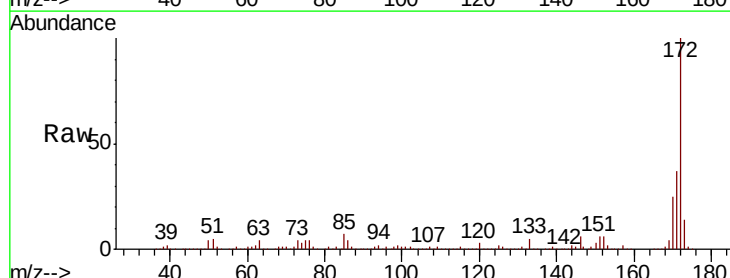
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

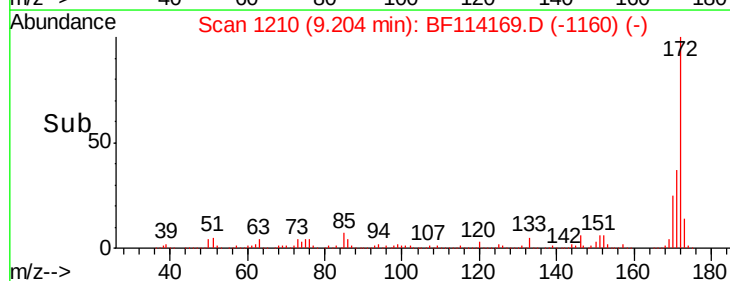
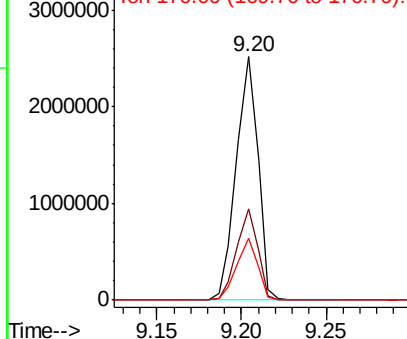
Lab File: BF114169.D

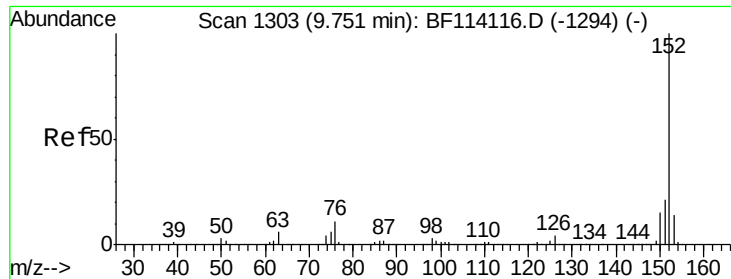
Acq: 11 May 2019 22:41

Tgt Ion:	172	Resp:	2259887
Ion Ratio	Lower	Upper	
172	100		
171	37.3	30.7	46.1
170	25.2	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





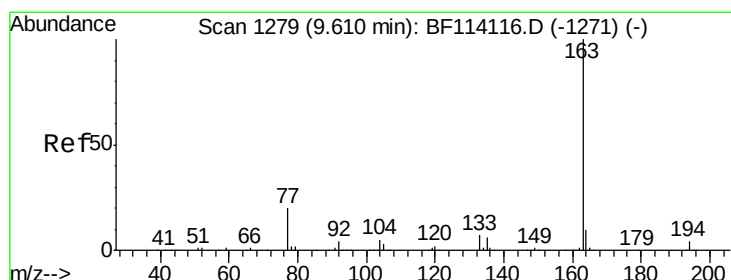
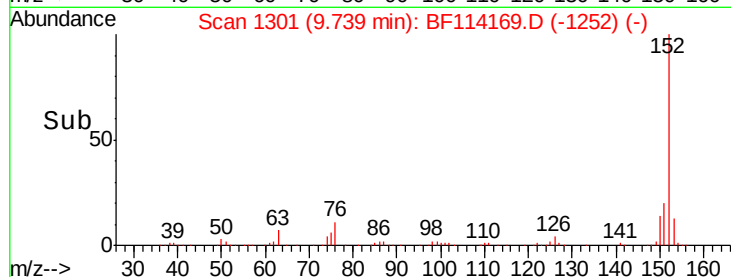
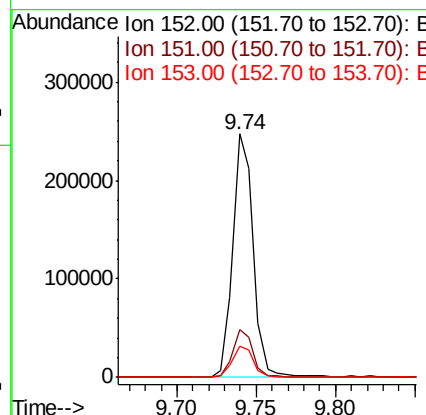
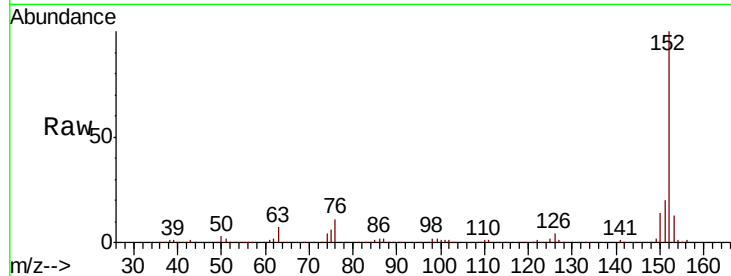
#49
Acenaphthylene
Concen: 5.098 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	13.0	11.4	17.2

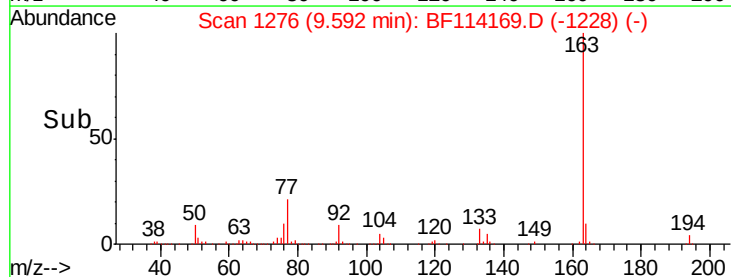
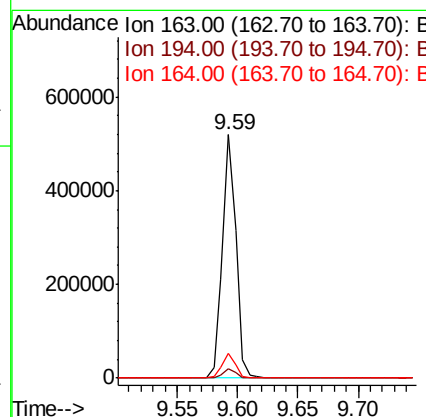
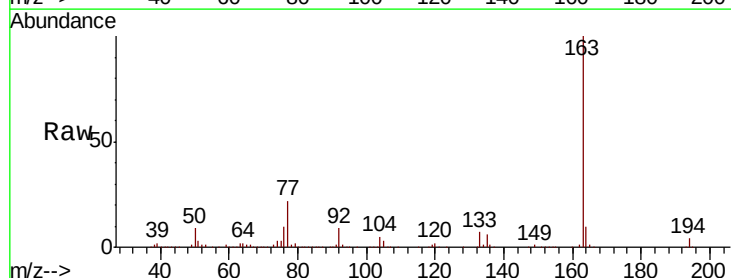
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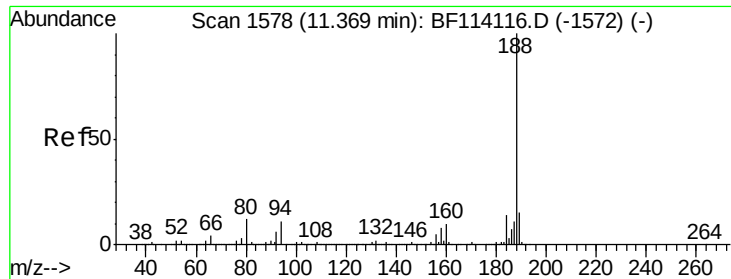
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#50
Dimethylphthalate
Concen: 12.463 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.2





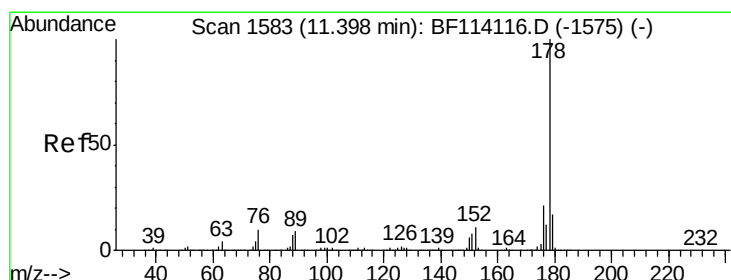
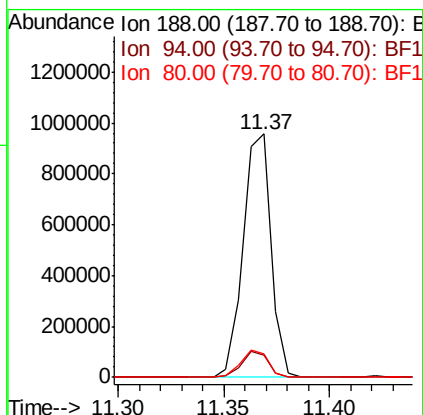
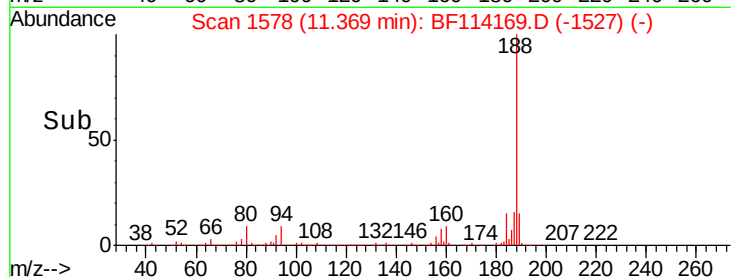
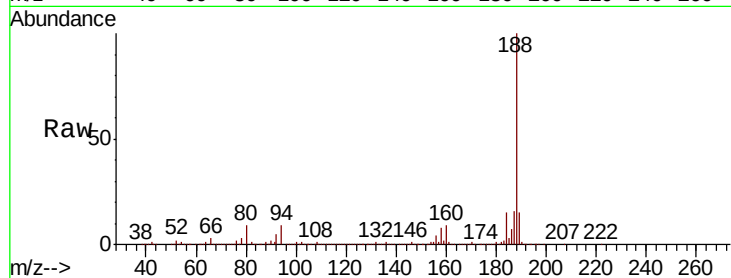
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	879071		
94	9.2		8.4	12.6
80	9.5		9.2	13.8

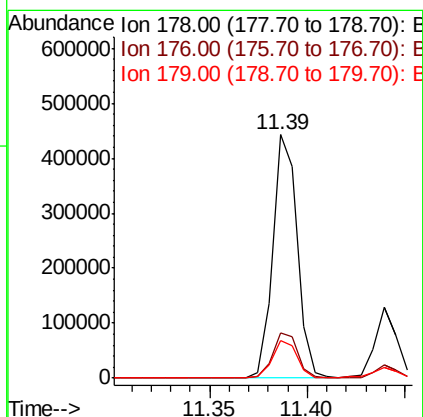
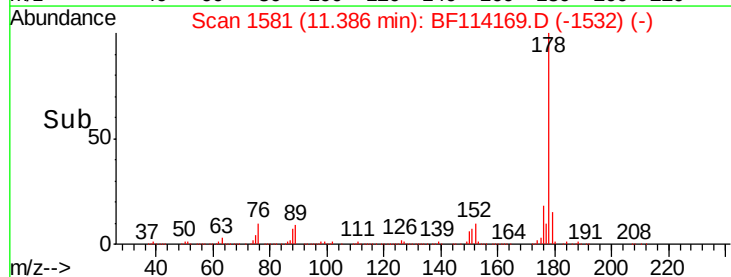
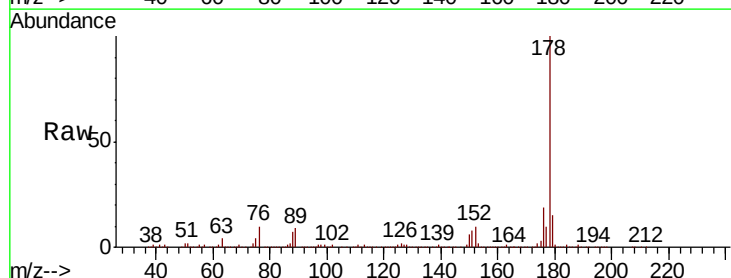
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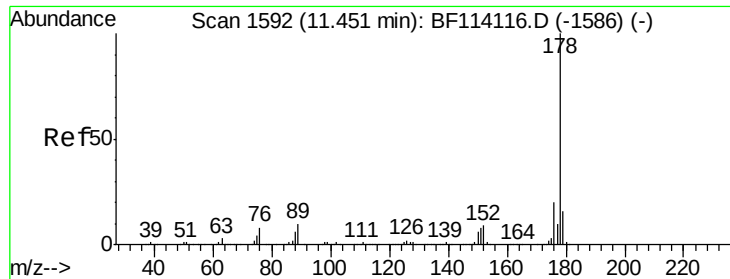
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#71
Phenanthrene
Concen: 8.939 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	382294		
176	18.5		16.4	24.6
179	15.5		13.2	19.8





#72

Anthracene

Concen: 2.268 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

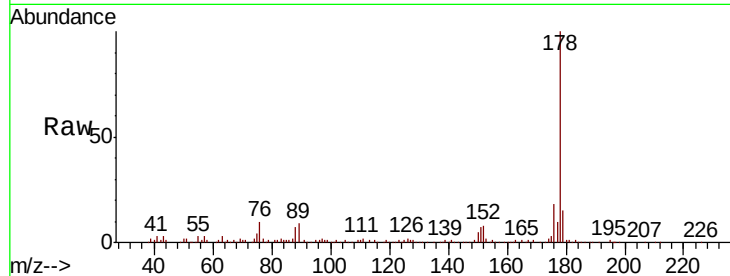
ClientSampleId :

P026-SS004-0206-01

Tot Ion:178	Resp:	97422
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.8 23.8
179	14.6	13.0 19.4

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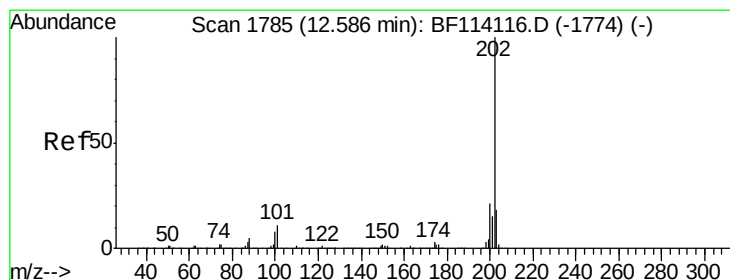
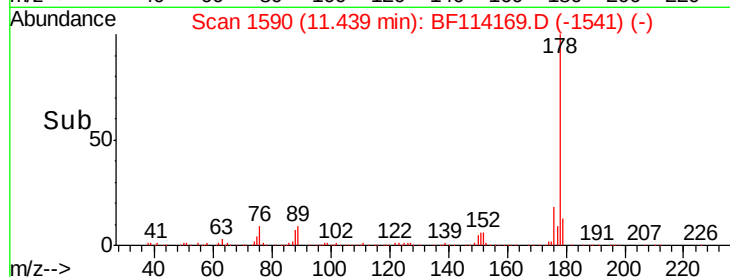
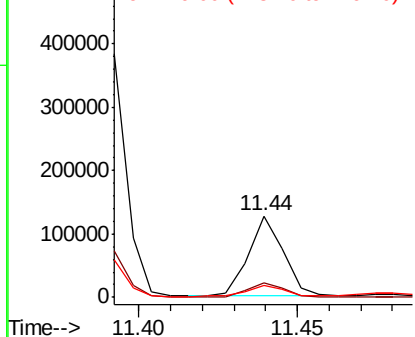


Abundance

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



#75

Fluoranthene

Concen: 20.130 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

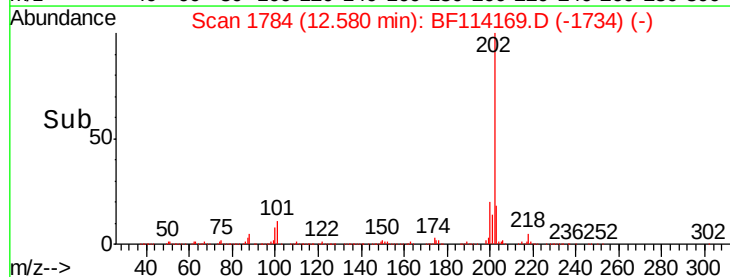
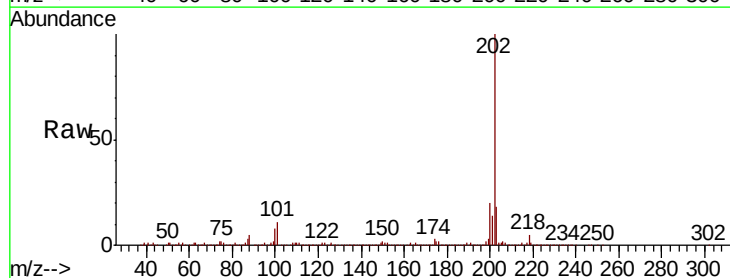
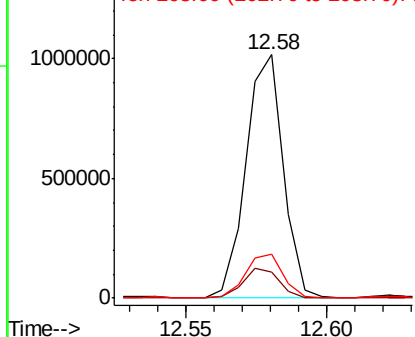
Tgt Ion:202	Resp:	927111
Ion Ratio	Lower	Upper
202	100	
101	10.8	0.0 31.0
203	18.2	0.0 38.4

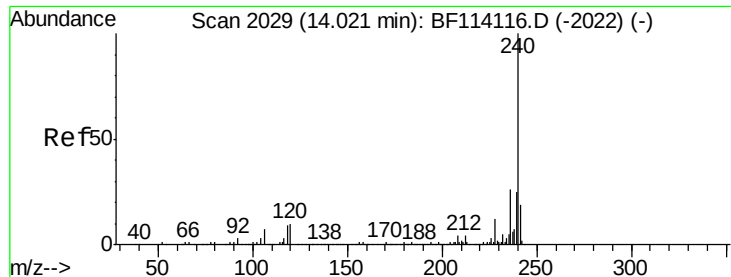
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

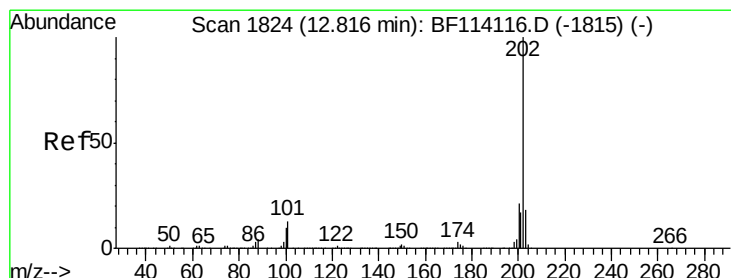
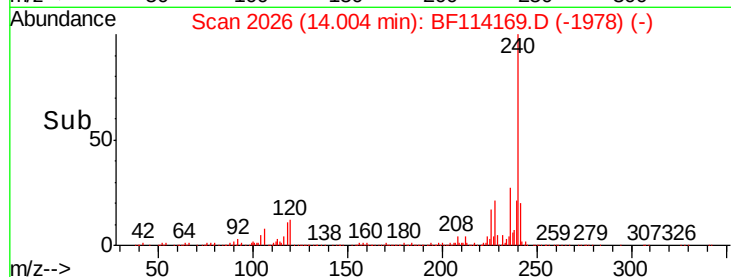
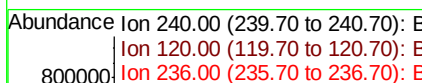
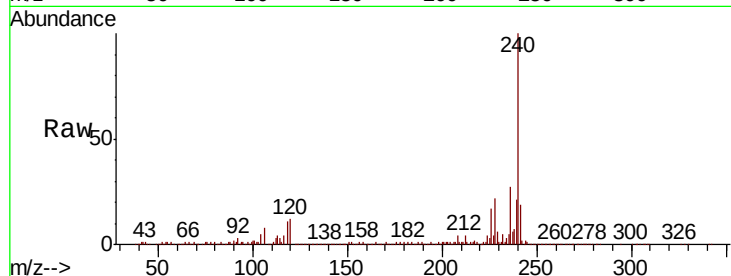
ClientSampleId :

P026-SS004-0206-01

Tot Ion:	240	Resp:	566490
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.3	12.5
236	27.0	20.8	31.2

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#78

Pyrene

Concen: 35.456 ng

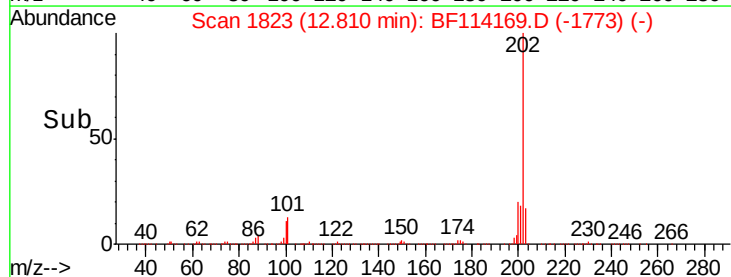
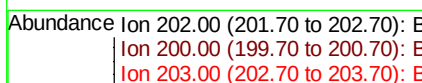
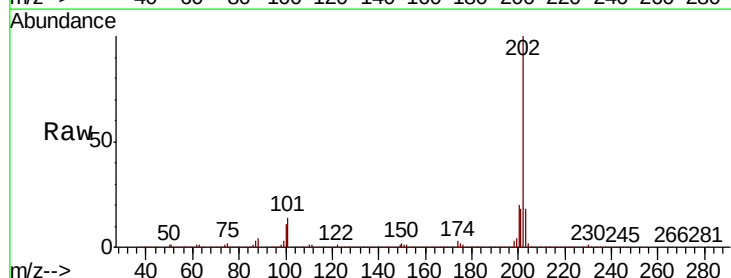
RT: 12.81 min Scan# 1823

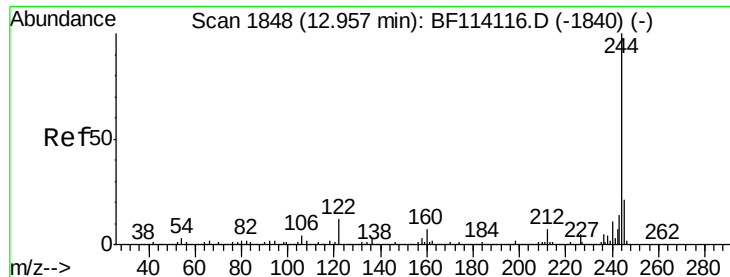
Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Tgt Ion:	202	Resp:	1615779
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	18.1	14.5	21.7





#79

Terphenyl-d14

Concen: 81.930 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

Tot Ion:244 Resp: 2251479

Ion Ratio Lower Upper

244 100

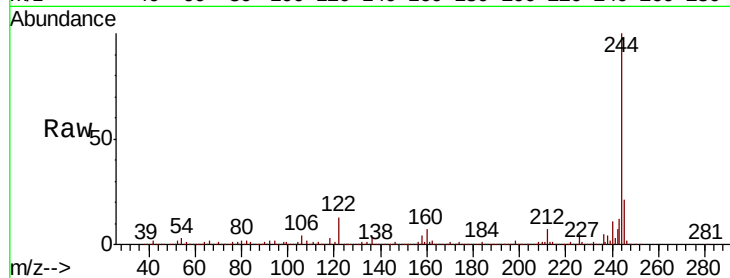
212 7.1 5.8 8.6

122 13.2 9.4 14.2

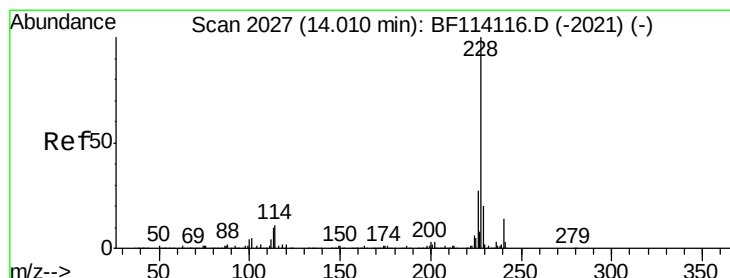
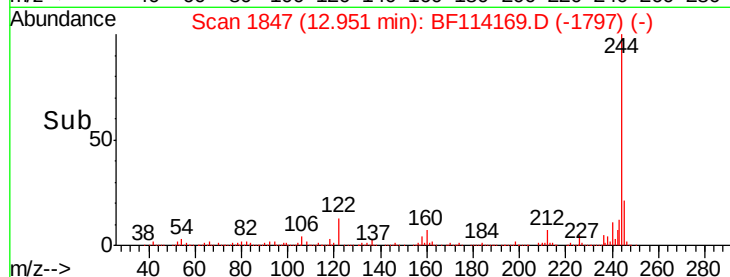
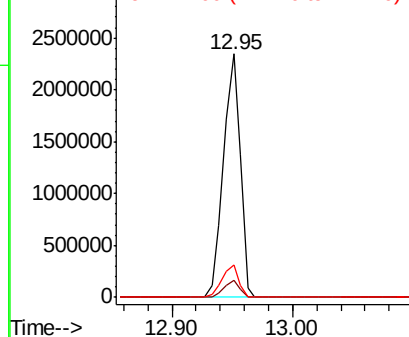
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 16.800 ng m

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

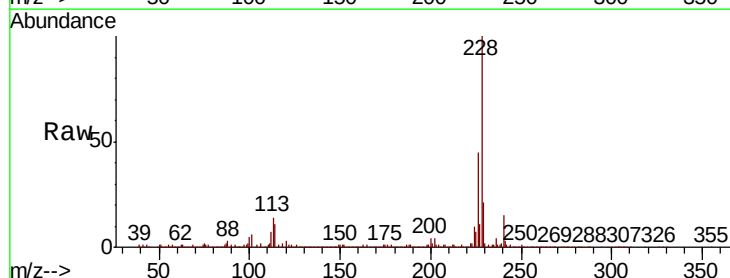
Tgt Ion:228 Resp: 615563

Ion Ratio Lower Upper

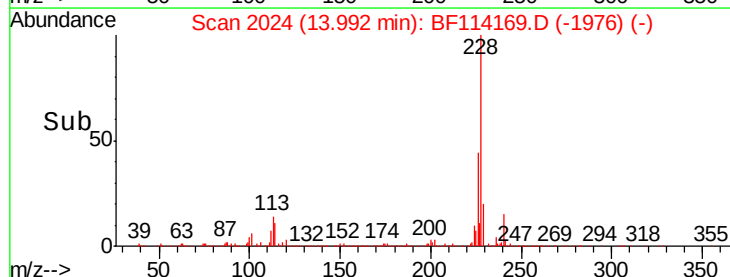
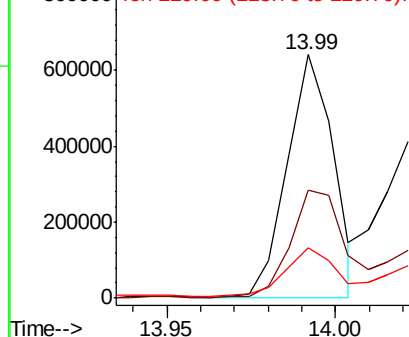
228 100

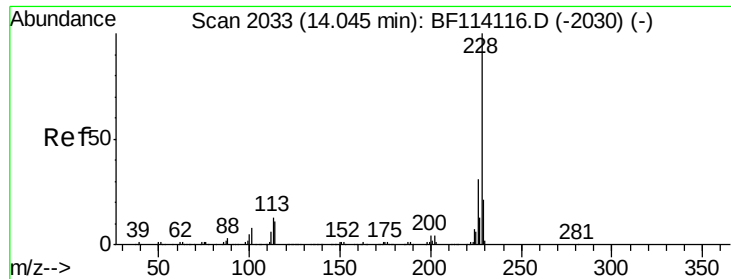
226 44.6 22.2 33.2#

229 20.8 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





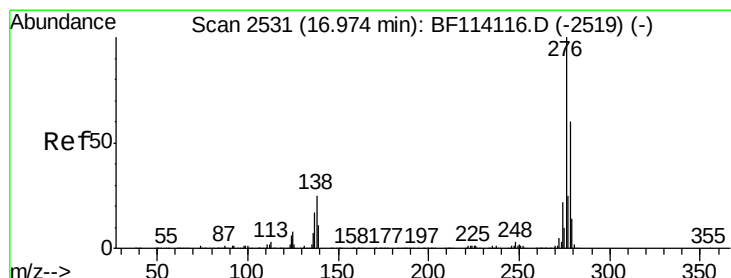
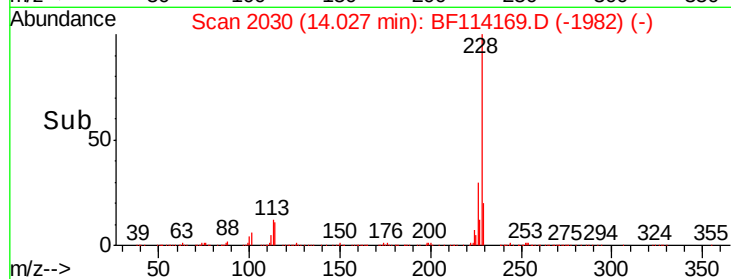
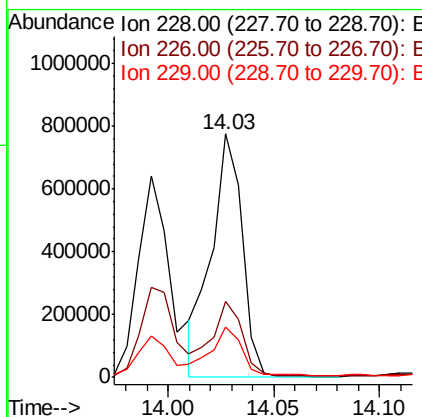
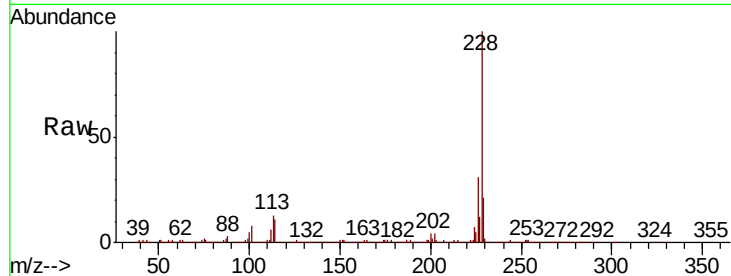
#83
Chrysene
Concen: 21.758 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.9	25.0	37.6		
229	20.8	17.0	25.6		

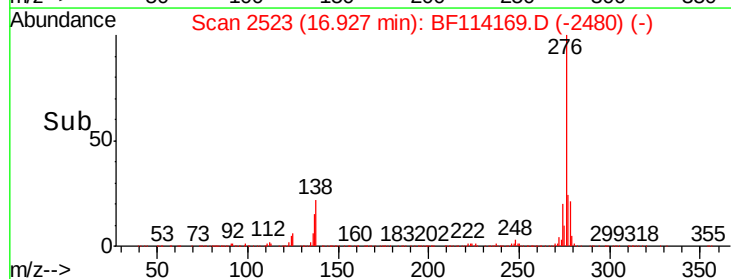
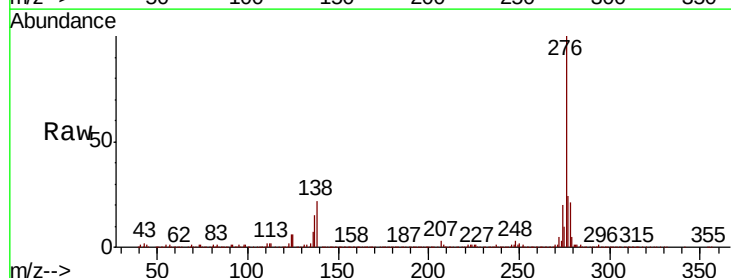
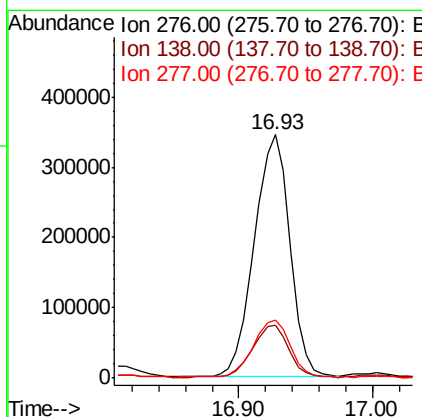
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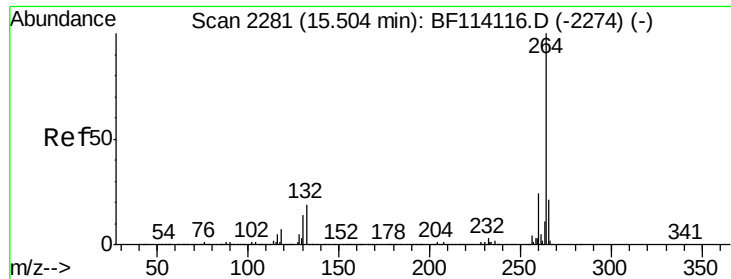
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 20.025 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.05 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.9	20.2	30.2		
277	24.1	20.0	30.0		





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.04 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

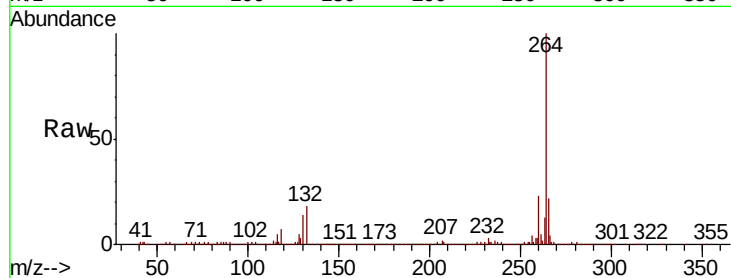
ClientSampleId :

P026-SS004-0206-01

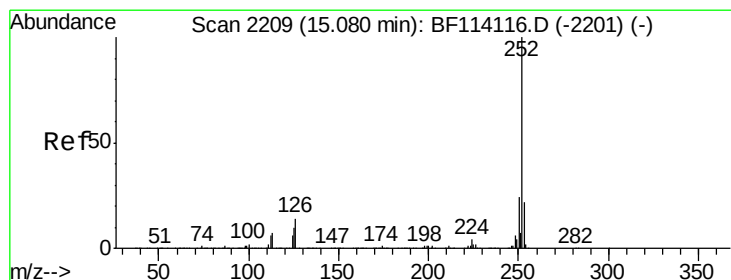
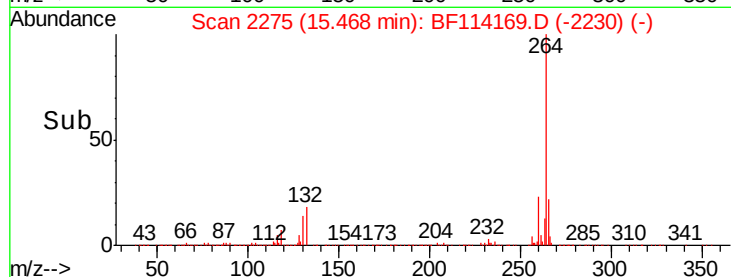
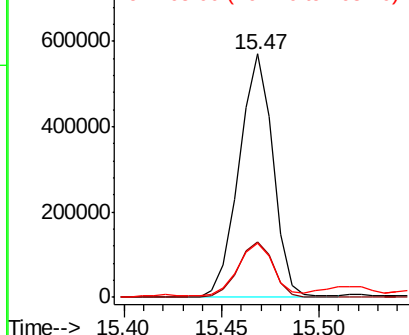
Tot Ion:	264	Resp:	684611
Ion Ratio		Lower	Upper
264	100		
260	22.9	19.4	29.0
265	22.4	16.9	25.3

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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: 24.473 ng m

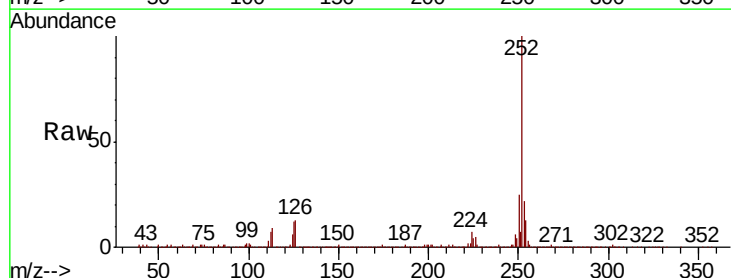
RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

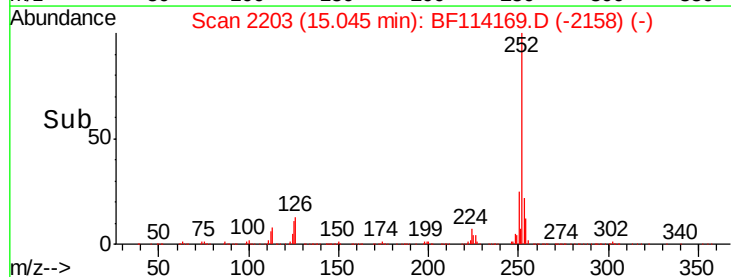
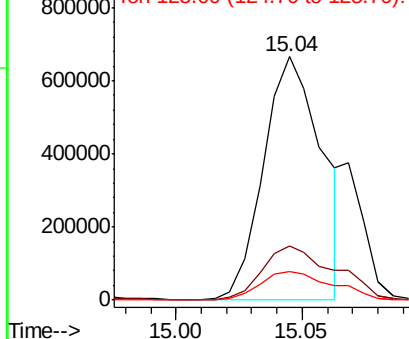
Lab File: BF114169.D

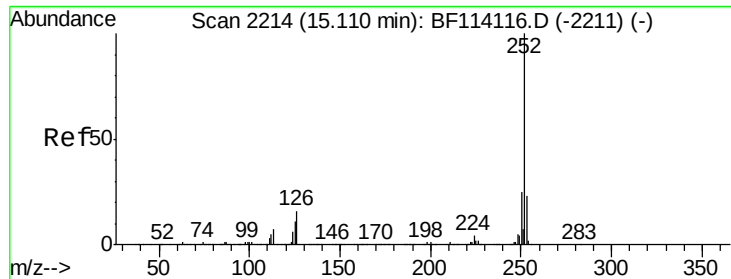
Acq: 11 May 2019 22:41

Tgt Ion:	252	Resp:	1073392
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.6	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





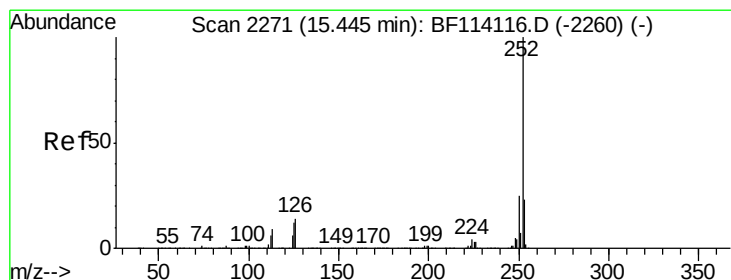
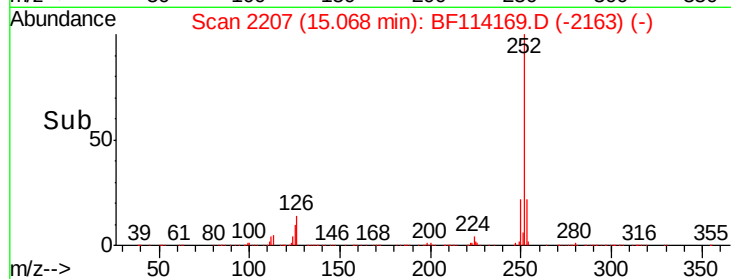
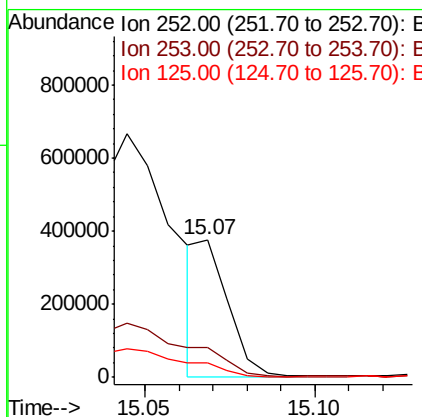
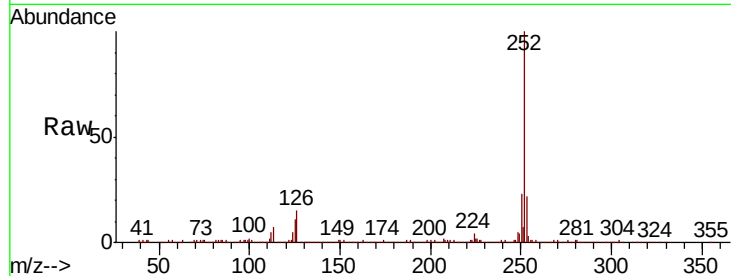
#89
Benzo(k)fluoranthene
Concen: 5.886 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	10.6	8.6	13.0

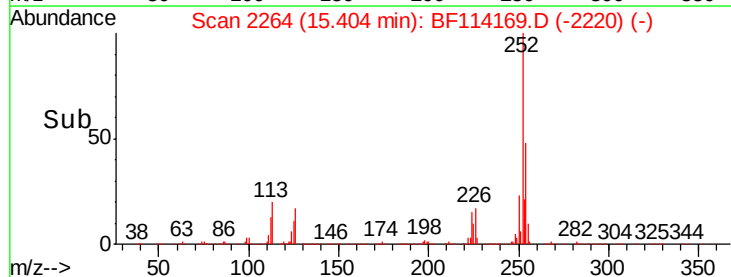
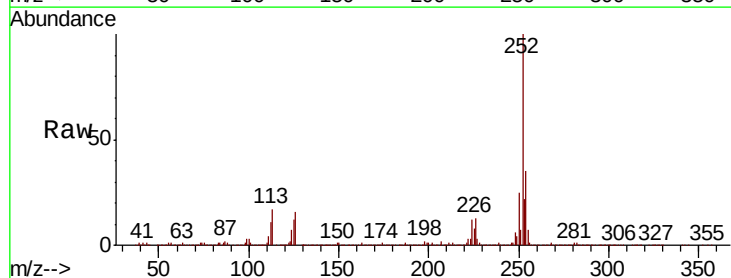
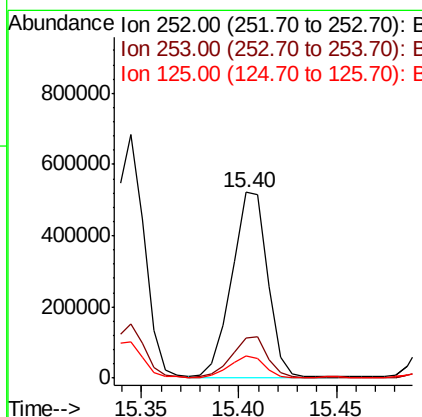
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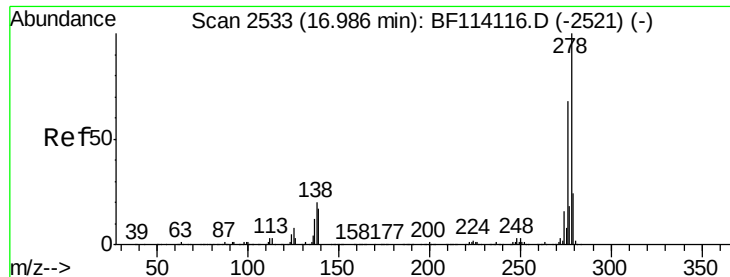
Sohil
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#90
Benzo(a)pyrene
Concen: 17.127 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.04 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	12.2	9.5	14.3





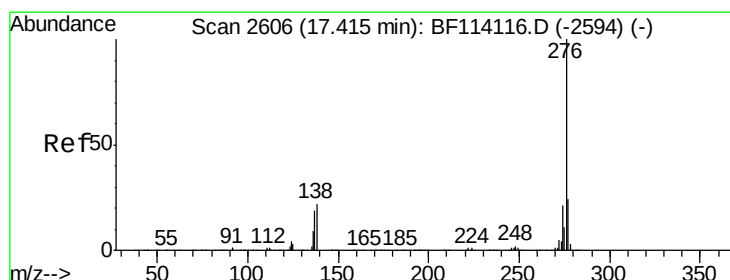
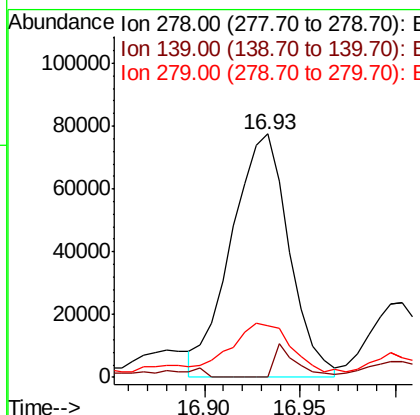
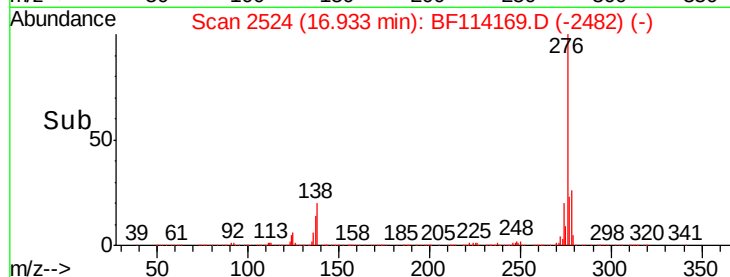
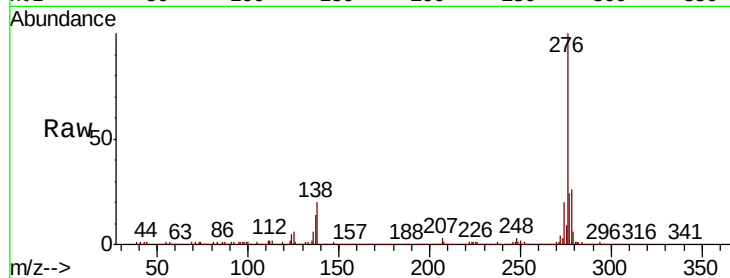
#91
Dibenzo(a,h)anthracene
Concen: 5.083 ng m
RT: 16.93 min Scan# 2524
Delta R.T. -0.05 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	21.4	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 23.341 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.05 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.4
138	22.4	17.8	26.6

