

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114183.D
 Acq On : 12 May 2019 4:49
 Operator : JU/SJ
 Sample : K2767-20 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS013-0002-01

Manual Integrations
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 5/13/2019 8:36:16 PM

Quant Time: May 13 08:25:59 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	256122	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	955385	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	430749	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	776672	20.00	ng	0.00
76) Chrysene-d12	14.01	240	636988	20.00	ng	-0.01
87) Perylene-d12	15.47	264	654703	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	312869	19.66	ng	0.00
7) Phenol-d6	6.48	99	421632	22.40	ng	-0.01
23) Nitrobenzene-d5	7.40	82	241684	14.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	82536	18.53	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	387850	13.62	ng	0.00
79) Terphenyl-d14	12.95	244	298668	9.67	ng	-0.01
Target Compounds						
31) Naphthalene	8.15	128	112166	2.513	ng	96
49) Acenaphthylene	9.75	152	162620	3.818	ng	96
71) Phenanthrene	11.39	178	580844	15.372	ng	97
72) Anthracene	11.45	178	108056	2.847	ng	94
75) Fluoranthene	12.58	202	788826	19.386	ng	98
78) Pyrene	12.81	202	1474341	28.772	ng	99
81) Benzo(a)anthracene	14.00	228	581033m	14.103	ng	
83) Chrysene	14.03	228	591088	14.635	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	230888	6.469	ng	98
88) Benzo(b)fluoranthene	15.05	252	632071m	15.069	ng	
89) Benzo(k)fluoranthene	15.07	252	159310m	4.135	ng	
90) Benzo(a)pyrene	15.42	252	389702	10.557	ng	98
92) Benzo(a,h,i)perylene	17.38	276	260325	8.469	ng	98

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

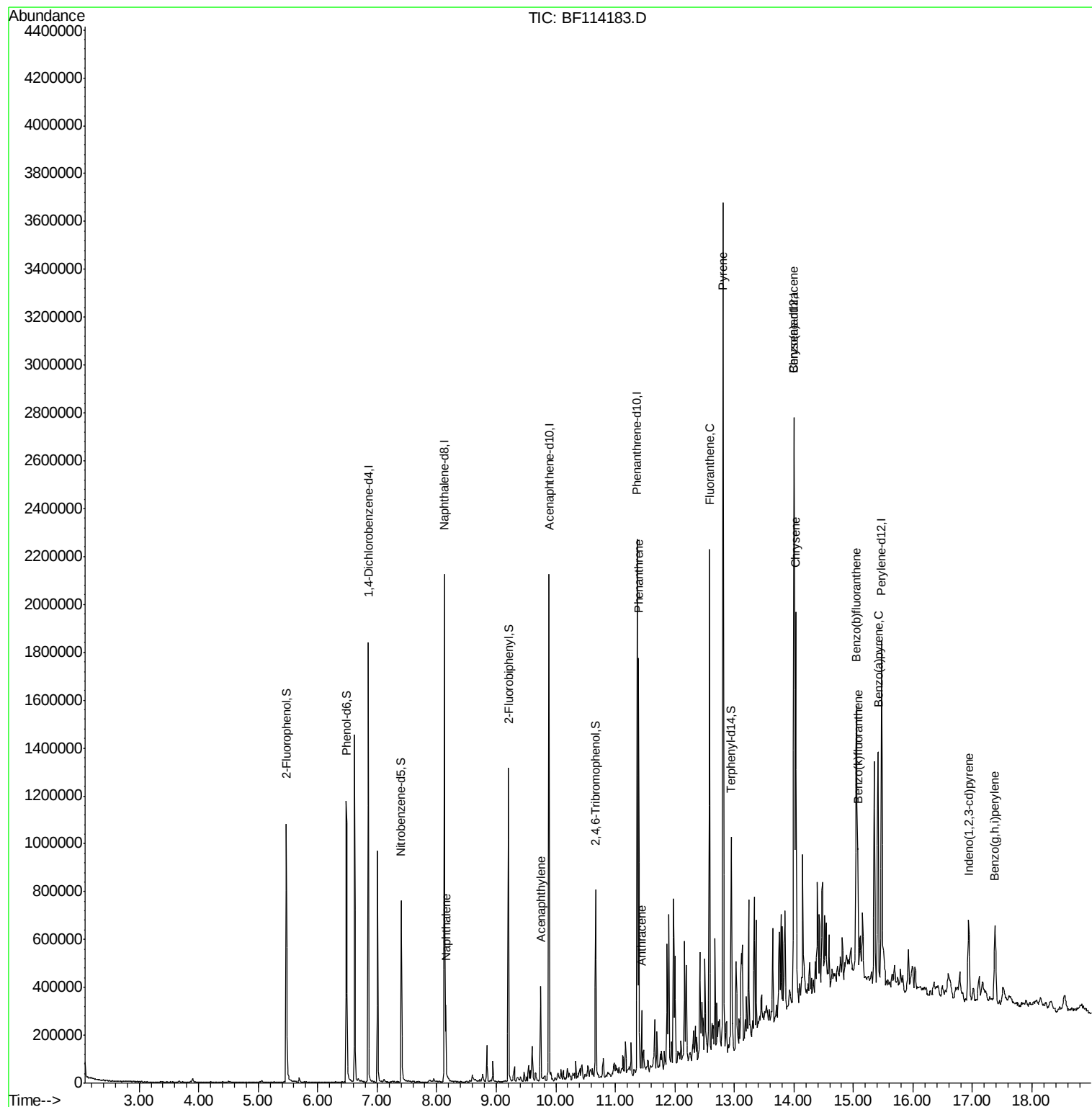
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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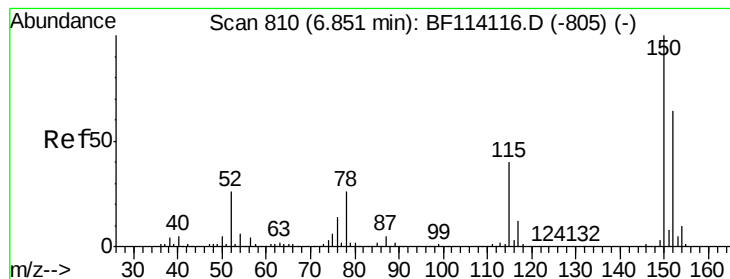
Instrument :
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P026-SS013-0002-01

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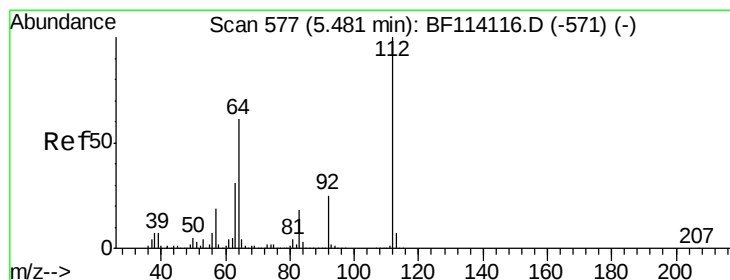
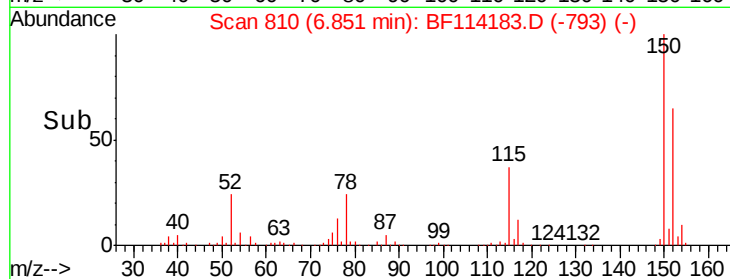
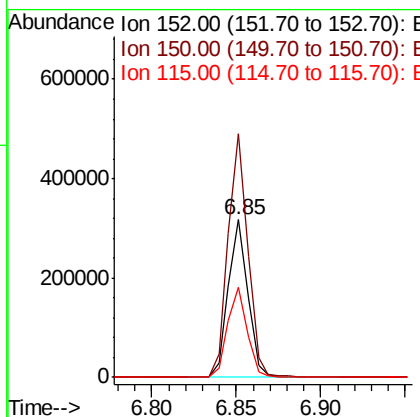
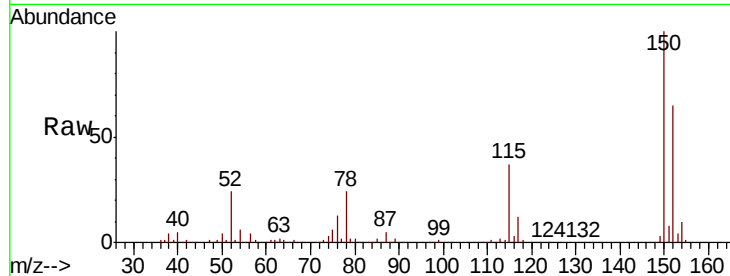
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.3	186.5
115	57.2	49.1	73.7

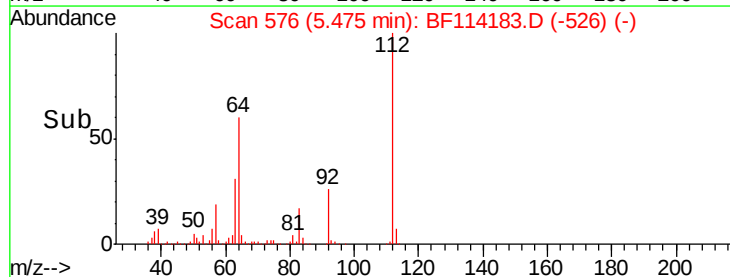
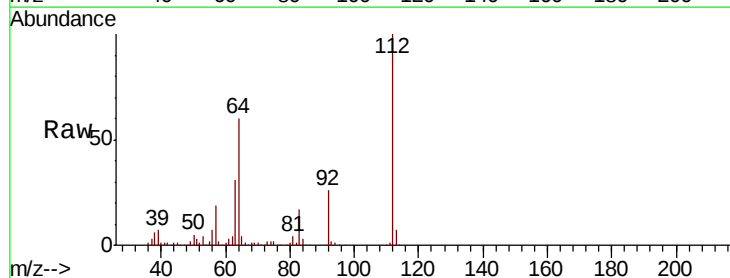
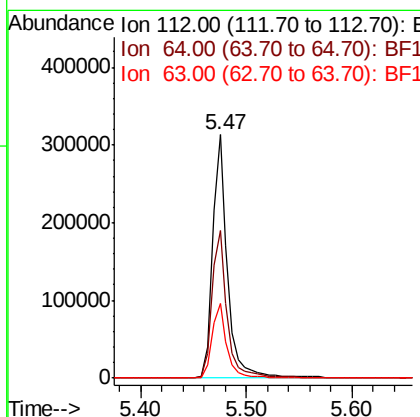
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#5
 2-Fluorophenol
 Concen: 19.658 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.0	73.6
63	30.6	24.6	37.0





#7

Phenol-d6

Concen: 22.399 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114183.D

Acq: 12 May 2019 4:49

Instrument :

BNA_F

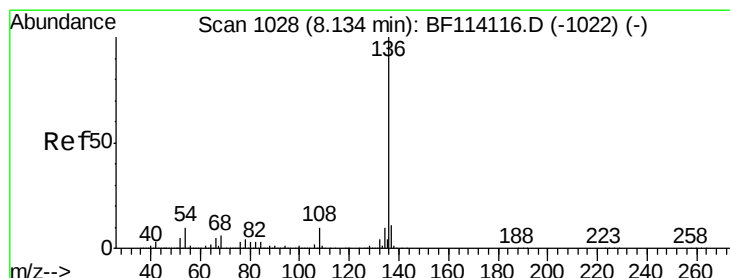
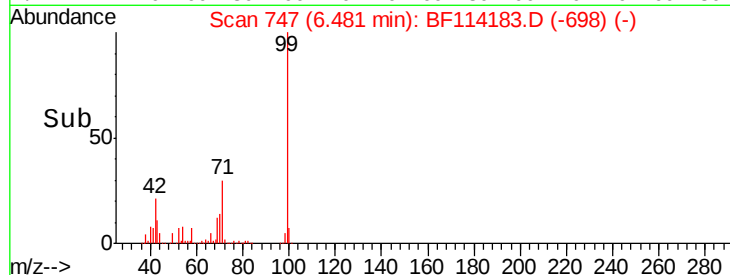
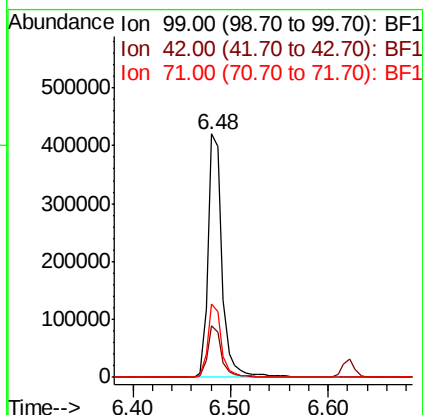
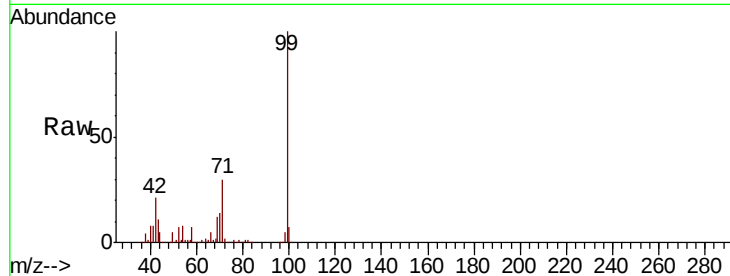
ClientSampleId :

P026-SS013-0002-01

Tot Ion:	99	Resp:	421632
Ion Ratio	Lower	Upper	
99	100		
42	21.4	17.9	26.9
71	30.2	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

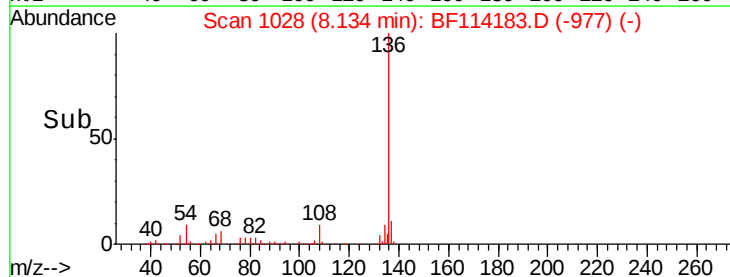
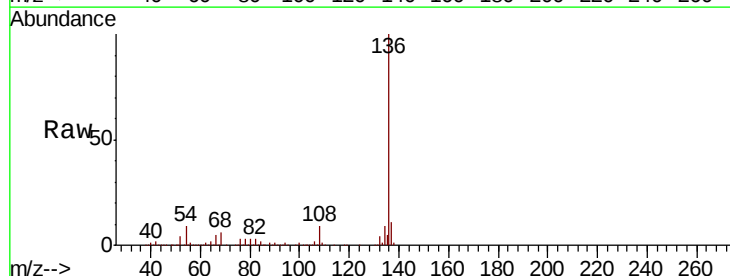
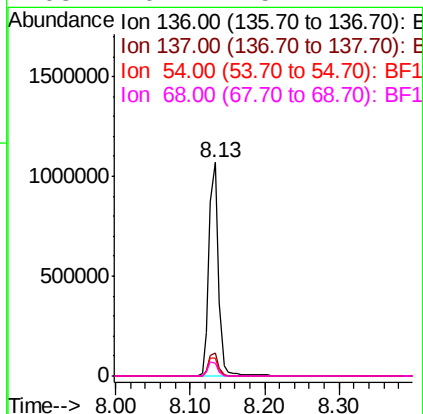
RT: 8.13 min Scan# 1028

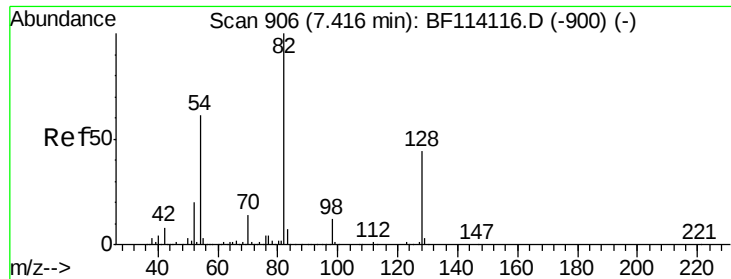
Delta R.T. 0.00 min

Lab File: BF114183.D

Acq: 12 May 2019 4:49

Tgt Ion:	136	Resp:	955385
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	8.5	7.8	11.8
68	6.2	5.1	7.7





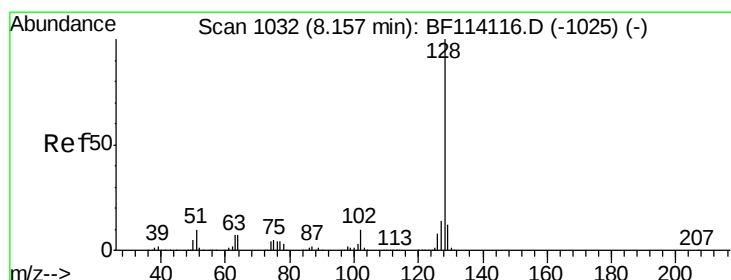
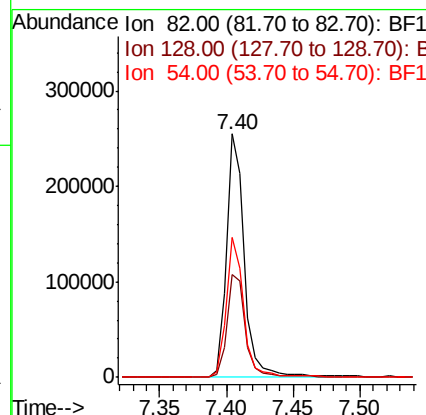
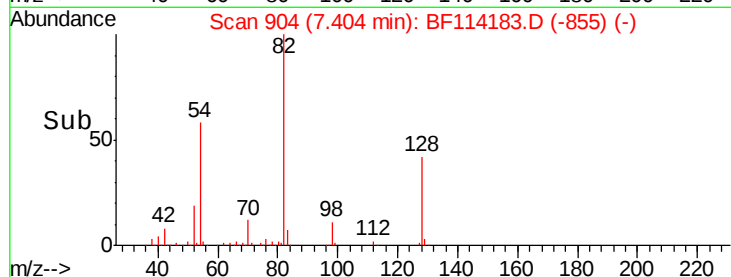
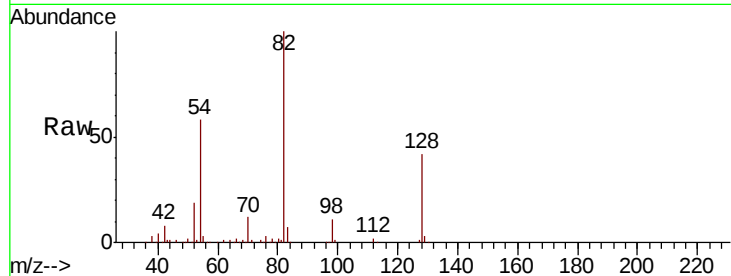
#23
 Nitrobenzene-d5
 Concen: 14.197 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.5	53.3
54	57.7	48.5	72.7

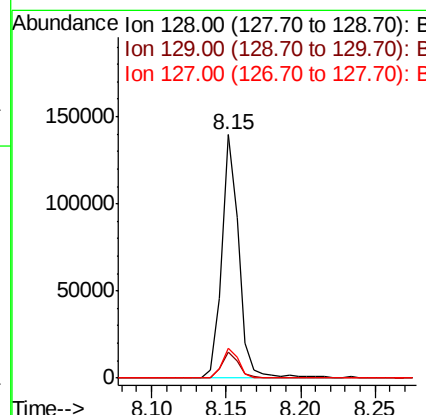
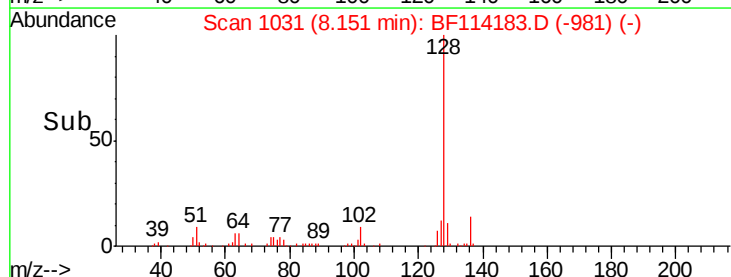
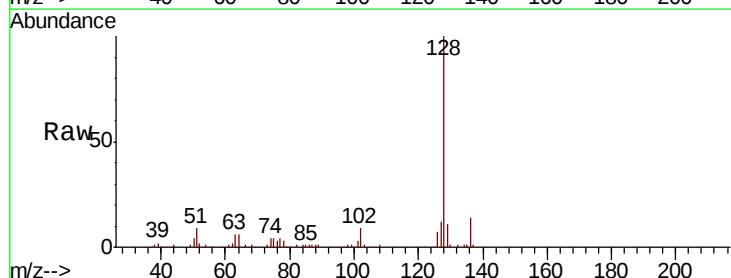
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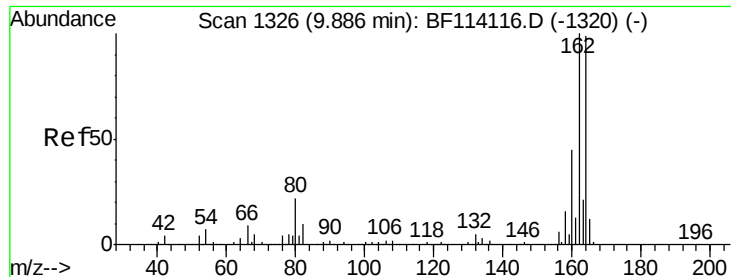
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#31
 Naphthalene
 Concen: 2.513 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.6	14.4
127	12.4	11.3	16.9





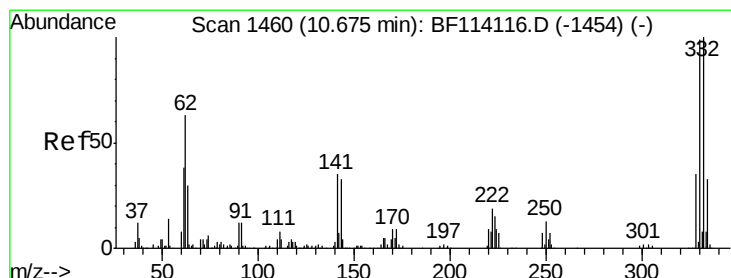
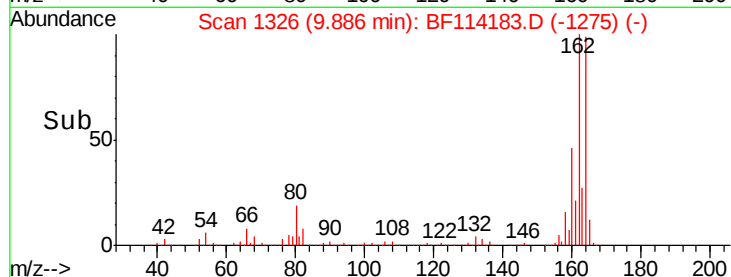
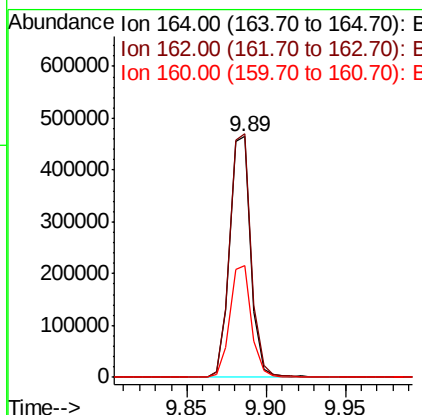
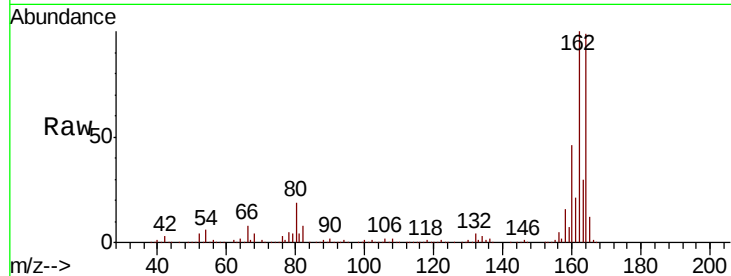
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	80.6	120.8	
160	46.4	36.5	54.7	

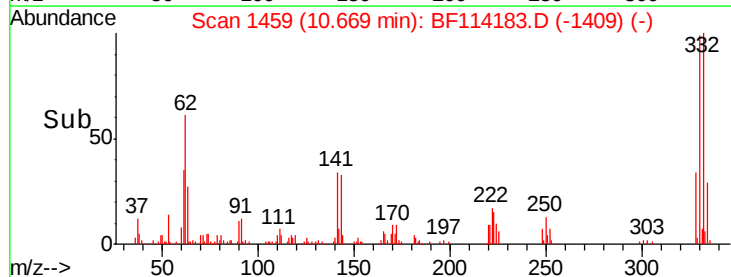
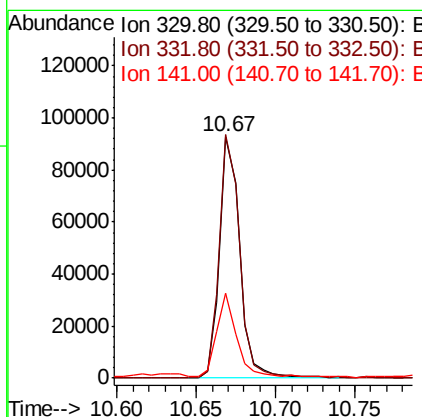
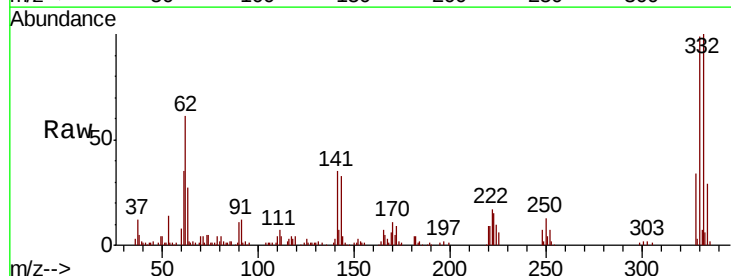
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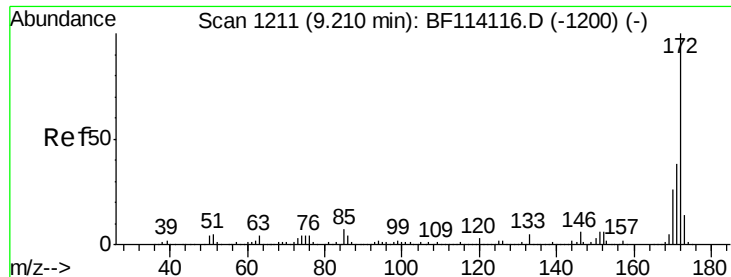
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#42
2,4,6-Tribromophenol
Concen: 18.534 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.5	81.4	122.2	
141	34.7	26.6	40.0	





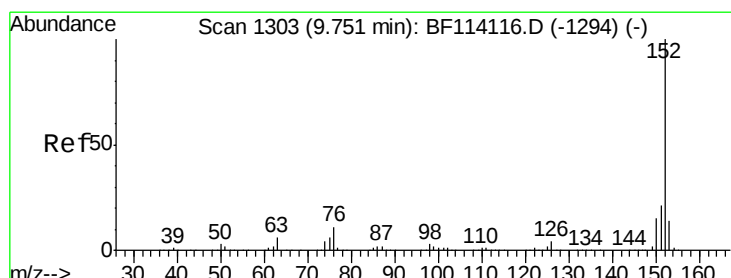
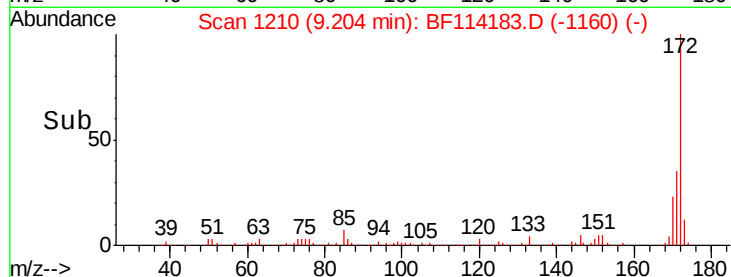
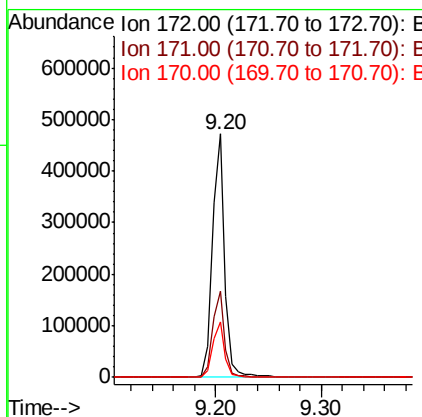
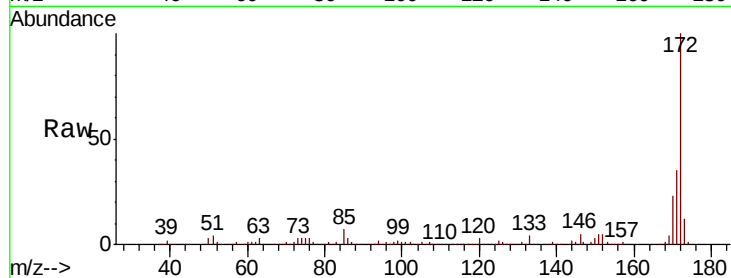
#45
2-Fluorobiphenyl
Concen: 13.620 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.7	46.1
170	22.6	20.5	30.7

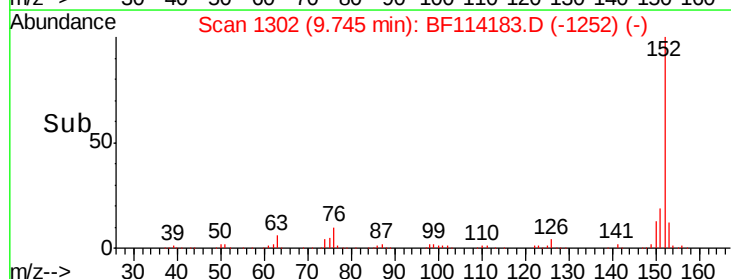
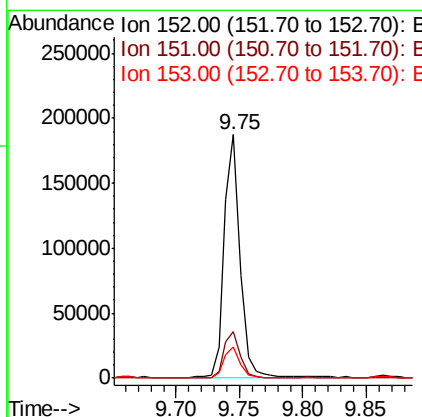
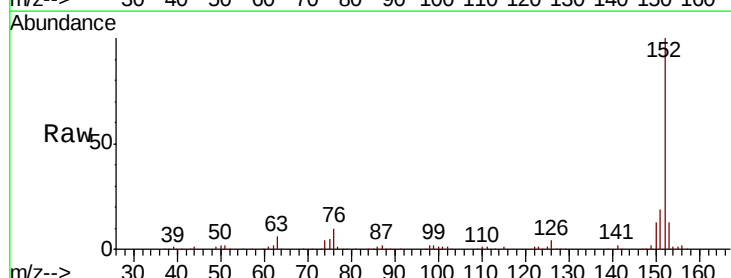
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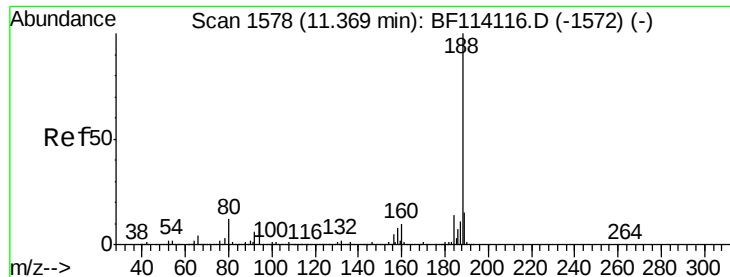
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#49
Acenaphthylene
Concen: 3.818 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.8	25.2
153	12.7	11.4	17.2





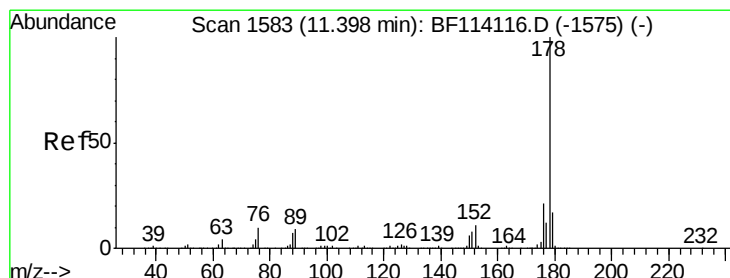
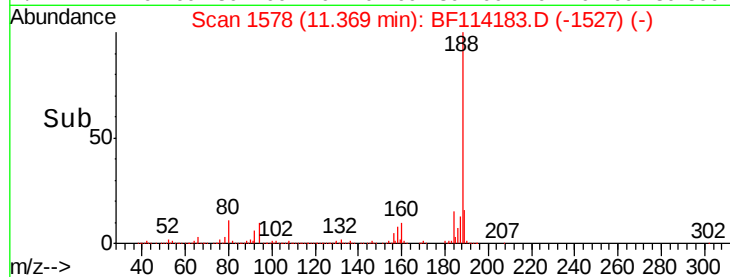
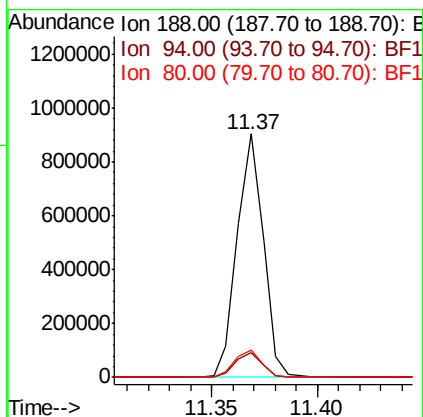
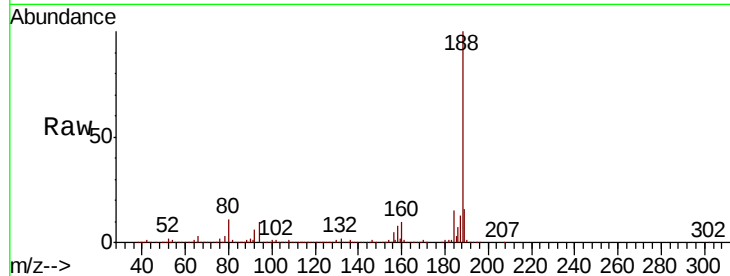
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	776672		
94	10.4		8.4	12.6
80	11.0		9.2	13.8

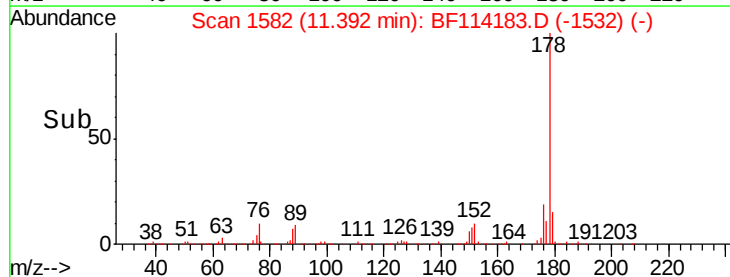
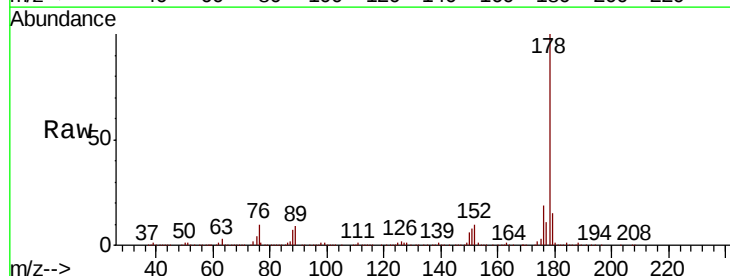
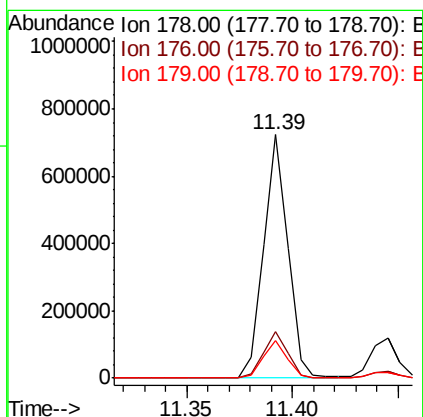
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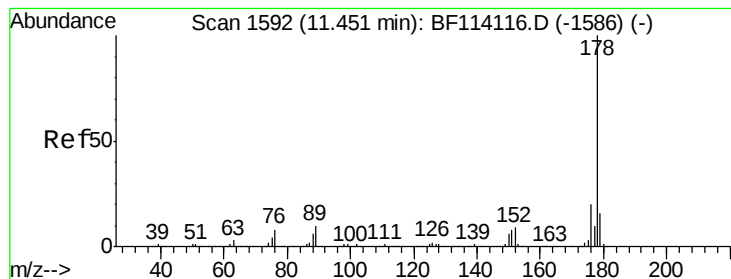
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#71
Phenanthrene
Concen: 15.372 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	580844		
176	19.3		16.4	24.6
179	15.3		13.2	19.8





#72

Anthracene

Concen: 2.847 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114183.D

Acq: 12 May 2019 4:49

Instrument :

BNA_F

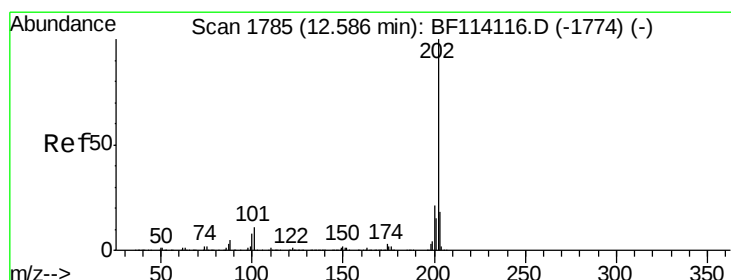
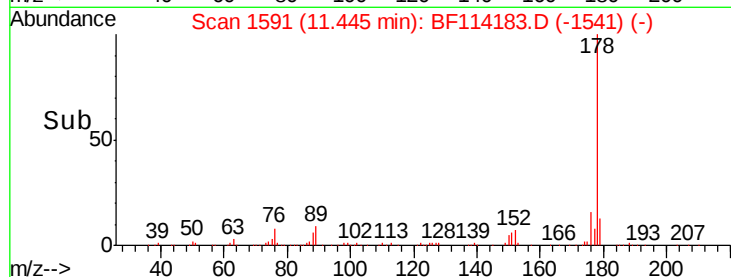
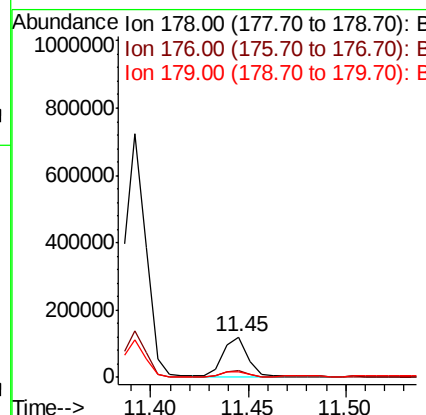
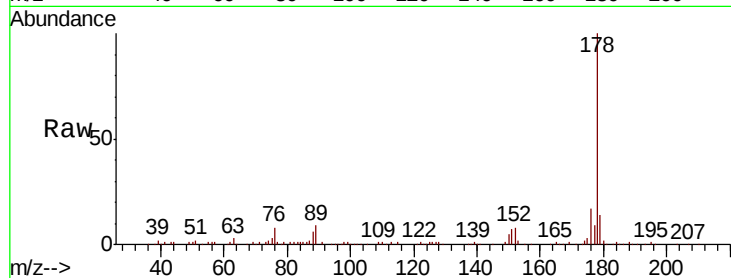
ClientSampleId :

P026-SS013-0002-01

Tot Ion:	178	Resp:	108056
Ion Ratio	Lower	Upper	
178	100		
176	16.7	15.8	23.8
179	14.0	13.0	19.4

Manual Integrations
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#75

Fluoranthene

Concen: 19.386 ng

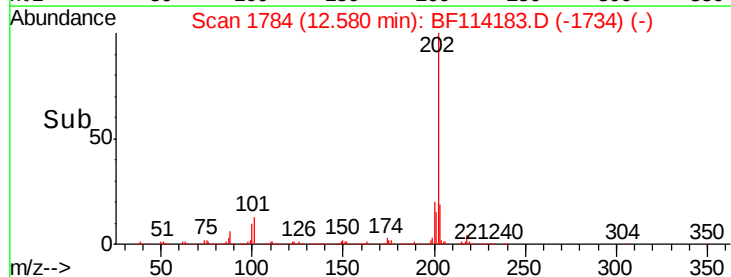
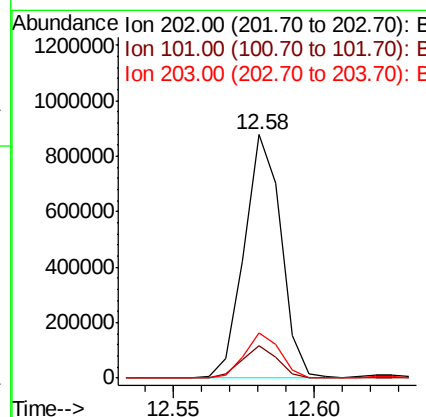
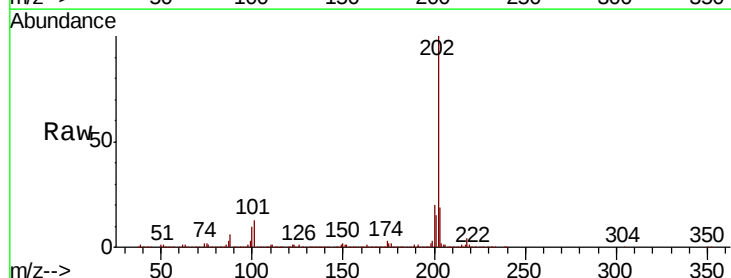
RT: 12.58 min Scan# 1784

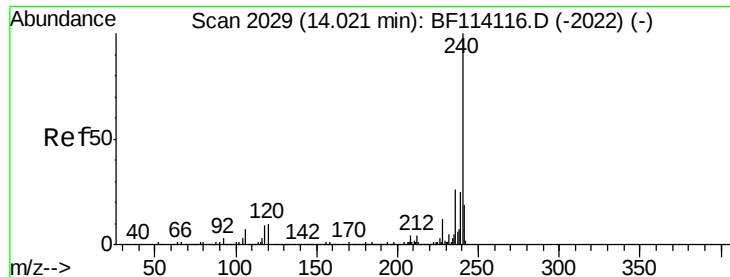
Delta R.T. -0.01 min

Lab File: BF114183.D

Acq: 12 May 2019 4:49

Tgt Ion:	202	Resp:	788826
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	31.0
203	18.6	0.0	38.4





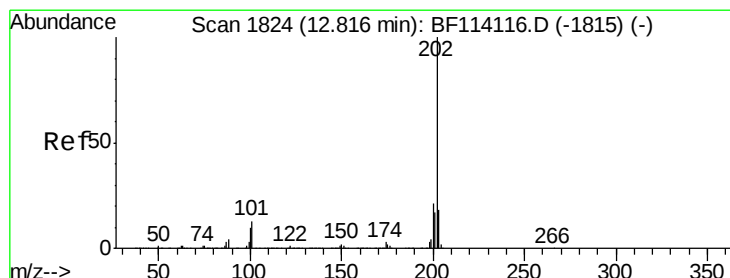
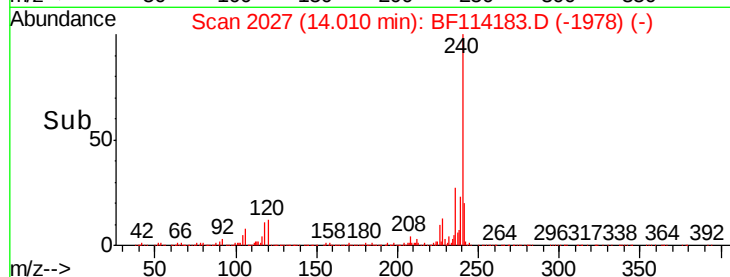
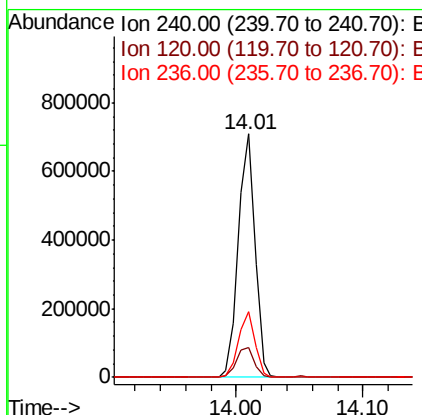
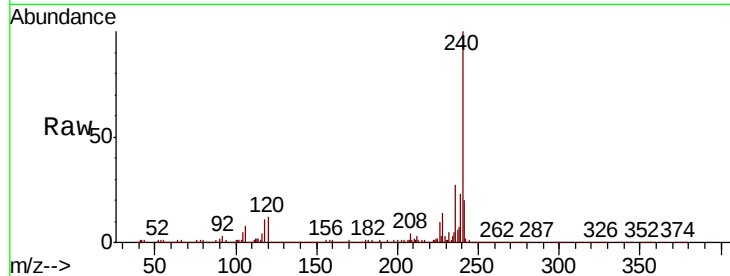
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	636988		
120	12.4	8.3	12.5	
236	26.8	20.8	31.2	

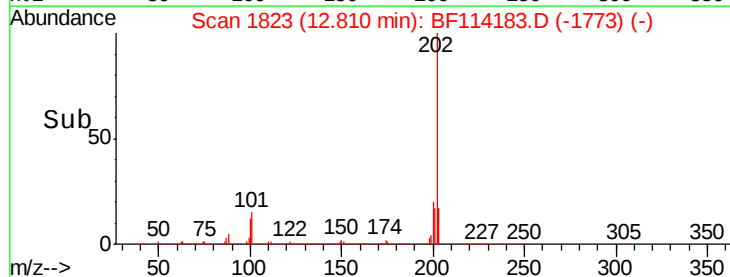
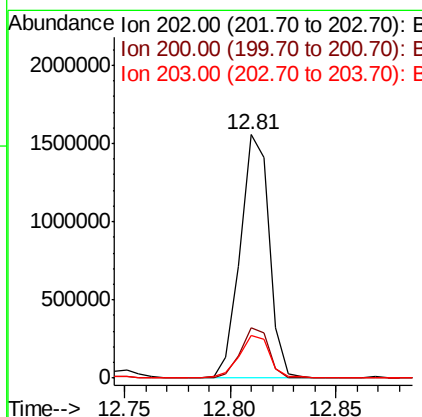
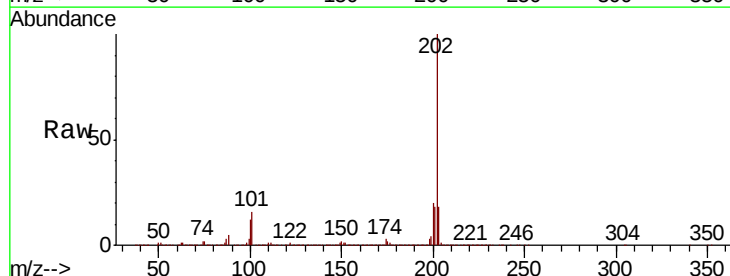
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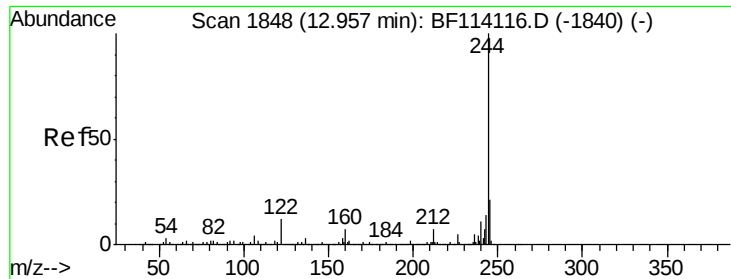
Sohil
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#78
Pyrene
Concen: 28.772 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1474341		
200	20.4	16.9	25.3	
203	17.7	14.5	21.7	





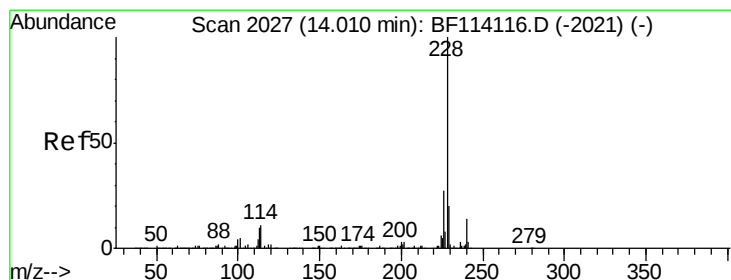
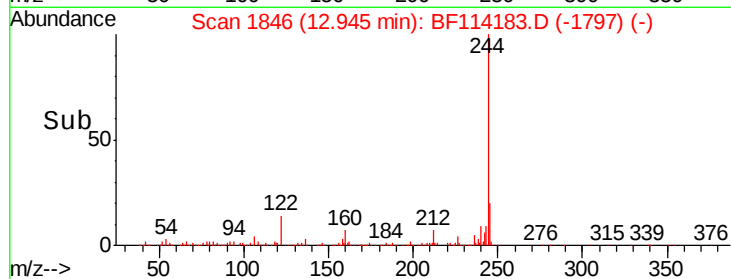
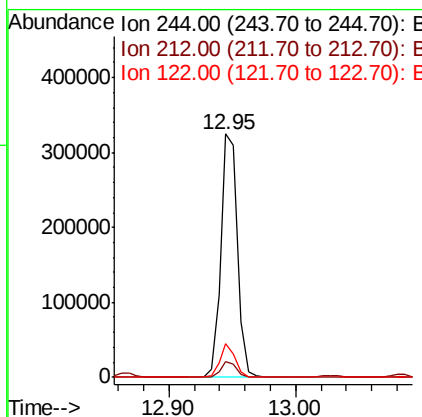
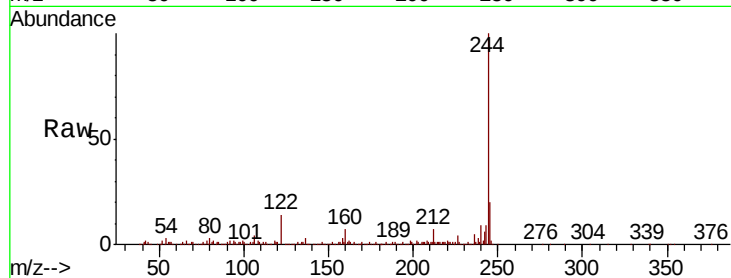
#79
 Terphenyl-d14
 Concen: 9.666 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	14.0	9.4	14.2

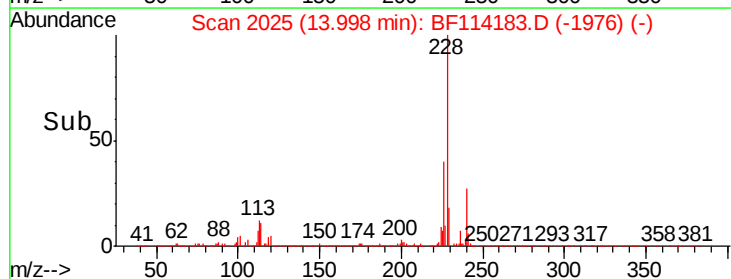
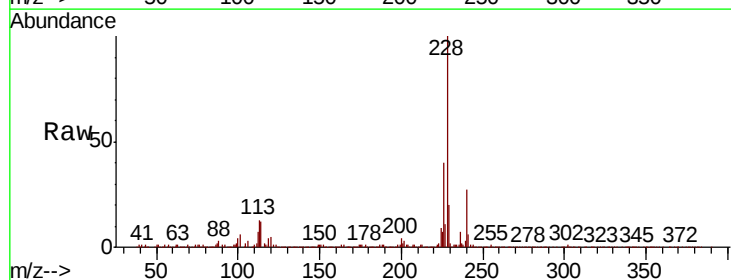
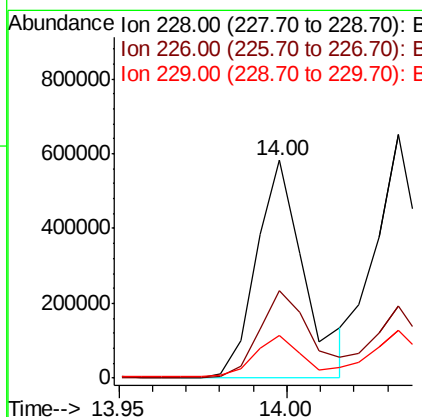
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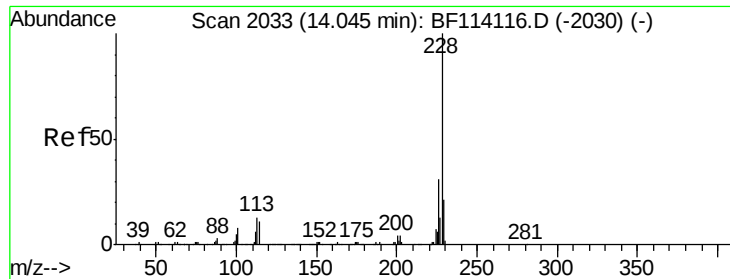
Sohil
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#81
 Benzo(a)anthracene
 Concen: 14.103 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.3	22.2	33.2#
229	19.8	16.4	24.6





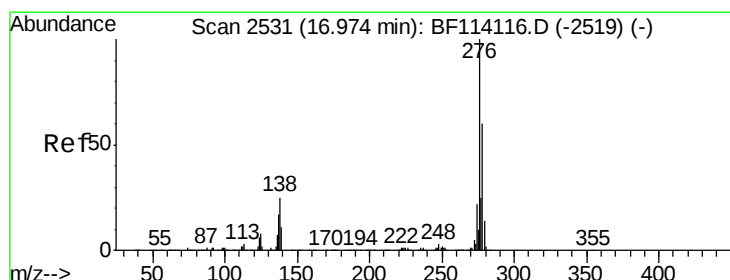
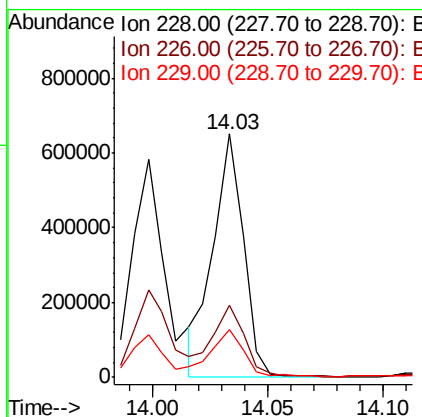
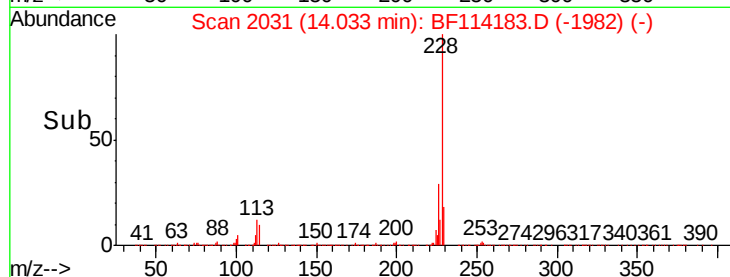
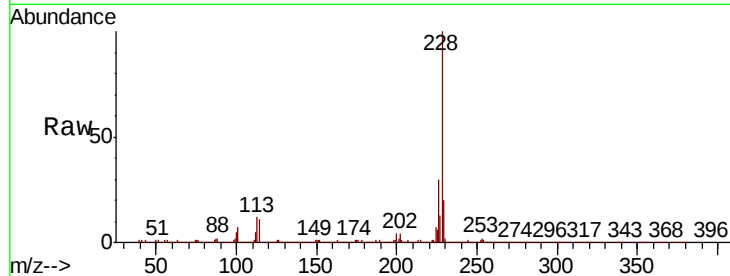
#83
Chrysene
Concen: 14.635 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	19.7	17.0	25.6

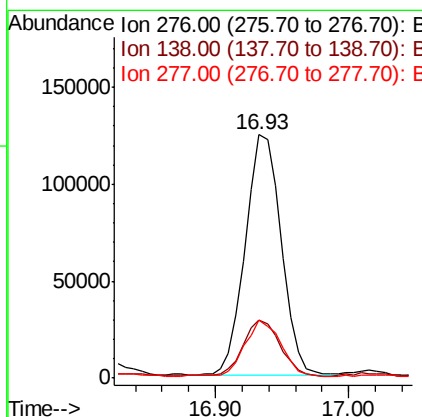
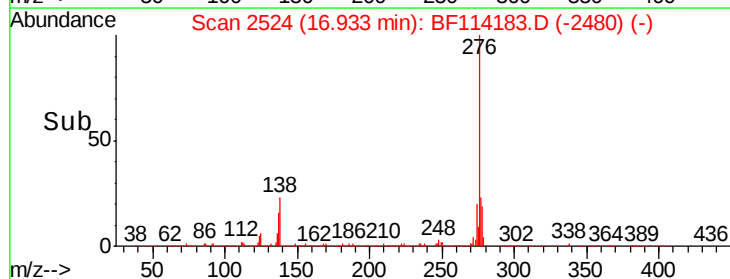
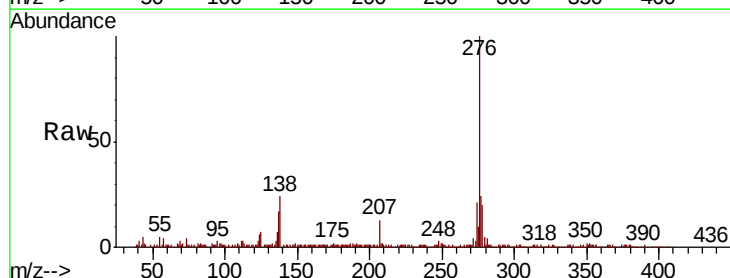
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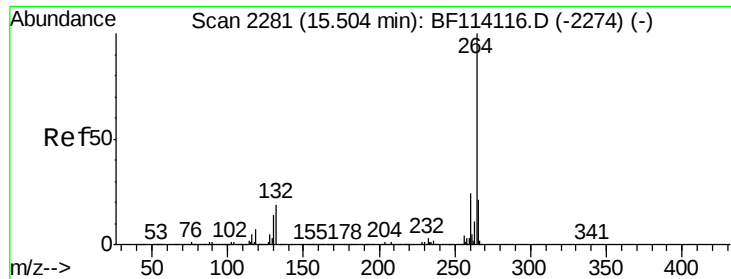
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.469 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.04 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.2	30.2
277	23.8	20.0	30.0





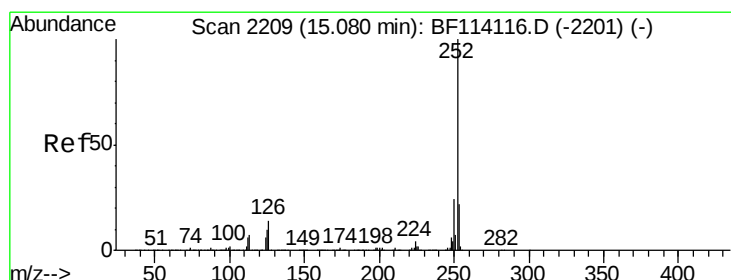
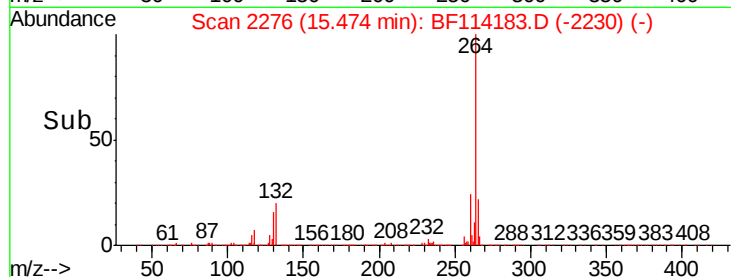
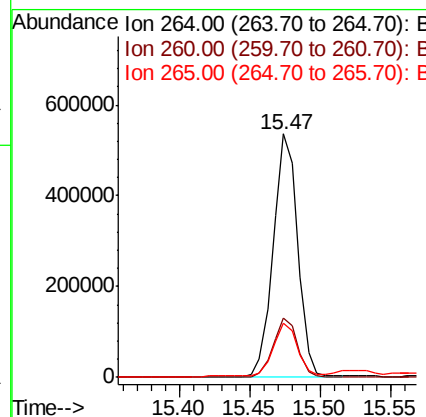
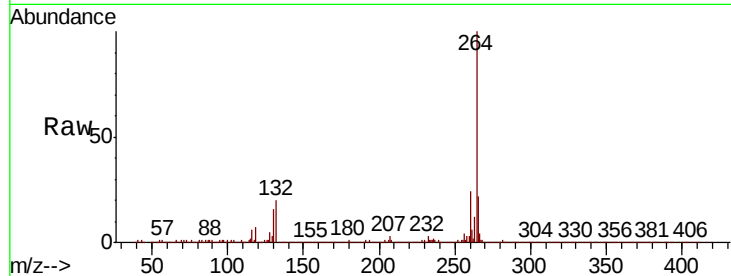
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.03 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	22.4	16.9	25.3

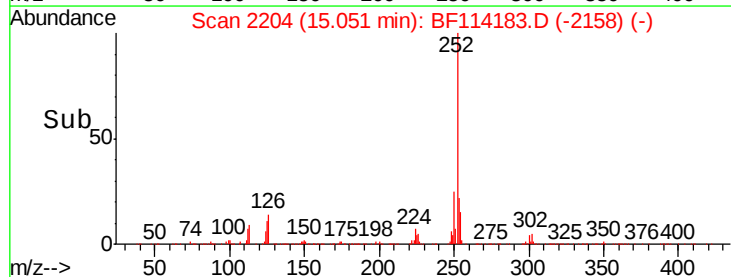
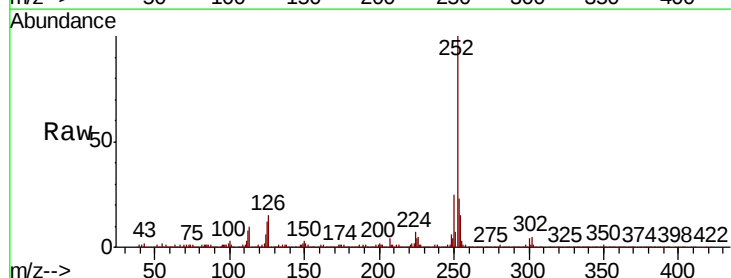
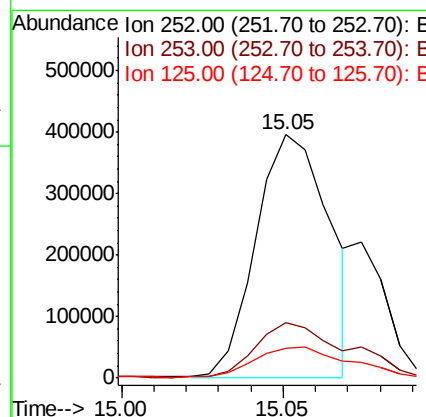
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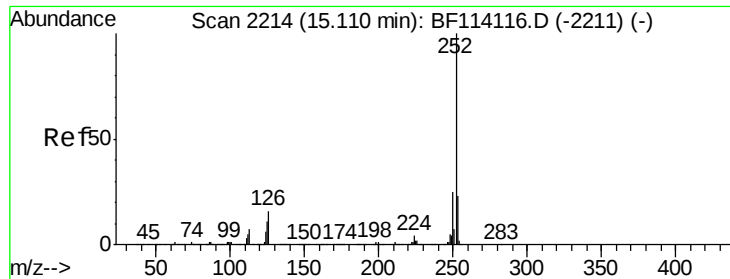
Sohil
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#88
Benzo(b)fluoranthene
Concen: 15.069 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	12.0	8.3	12.5





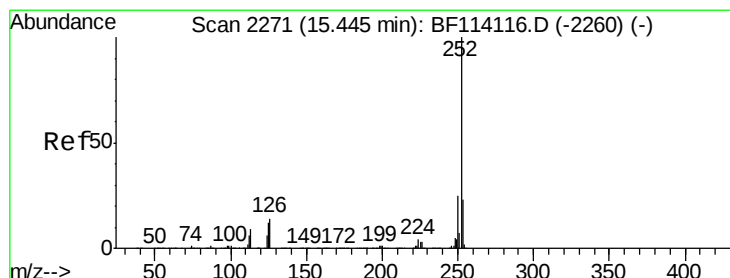
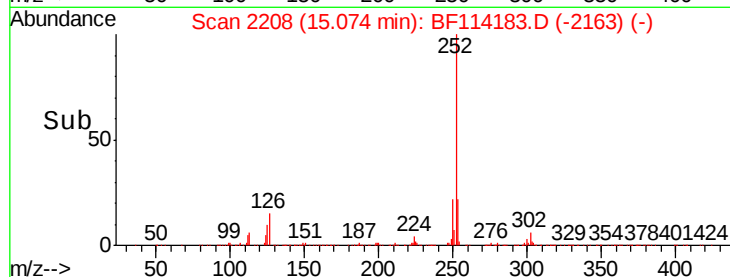
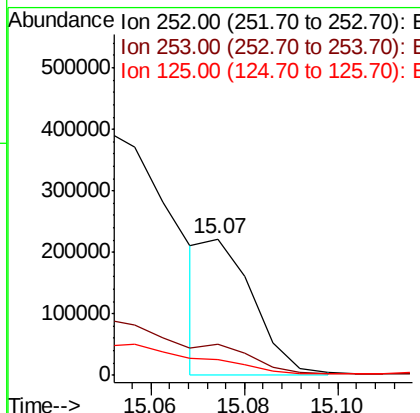
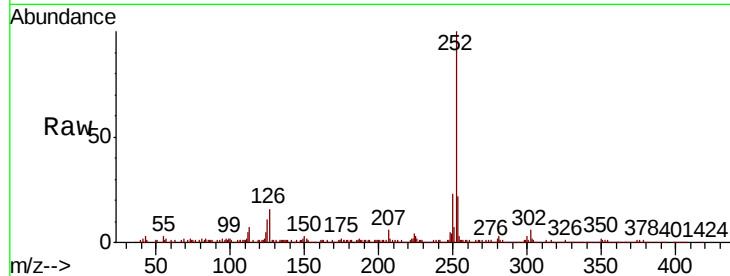
#89
Benzo(k)fluoranthene
Concen: 4.135 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Instrument :
BNA_F
ClientSampleId :
P026-SS013-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.3	8.6	13.0

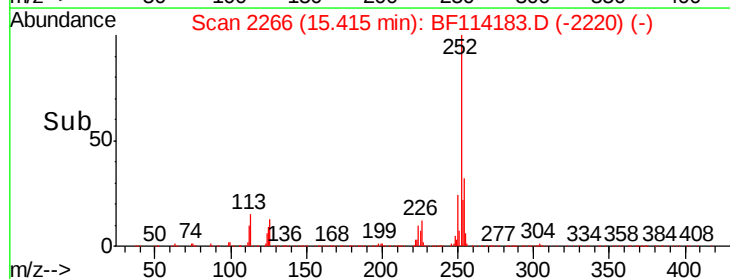
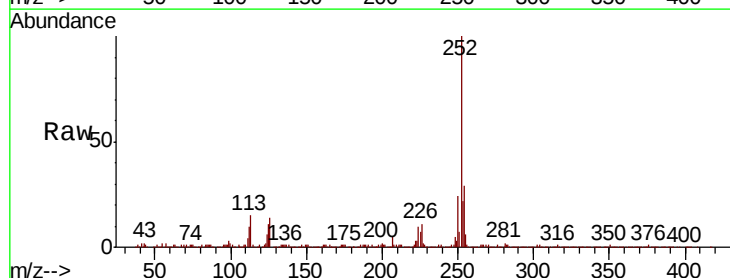
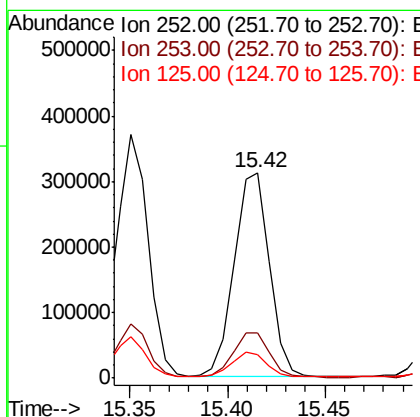
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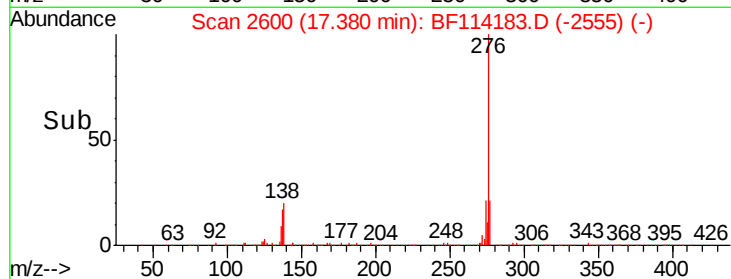
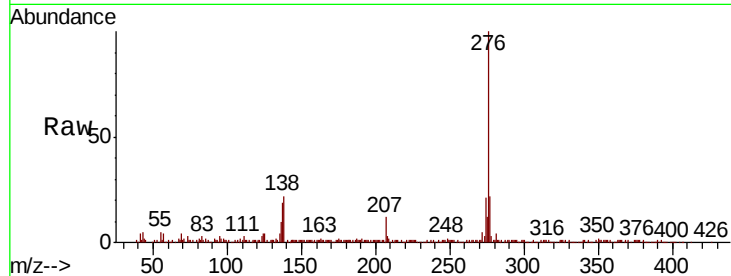
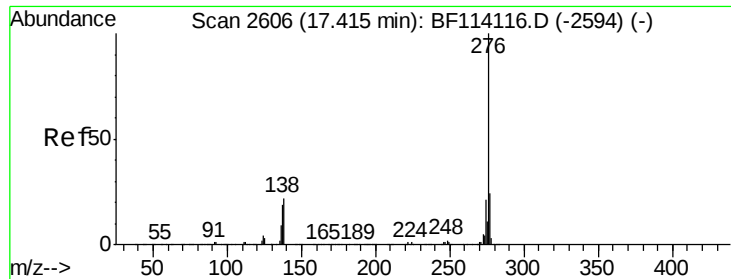
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#90
Benzo(a)pyrene
Concen: 10.557 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114183.D
Acq: 12 May 2019 4:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.4	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 8.469 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.04 min
 Lab File: BF114183.D
 Acq: 12 May 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS013-0002-01

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	21.8	19.0	28.4
138	22.2	17.8	26.6

Manual Integrations
 APPROVED

Sohil
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