

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115877.D
 Acq On : 31 Jul 2019 20:20
 Operator : HP/JU
 Sample : K4049-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-11

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:07:01 PM

Quant Time: Aug 01 07:28:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138406	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	513267	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	247653	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	356795	20.00	ng	0.00
76) Chrysene-d12	14.03	240	296989	20.00	ng	0.00
87) Perylene-d12	15.50	264	371834	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	750585	90.79	ng	0.00
7) Phenol-d6	6.49	99	972364	93.22	ng	0.00
23) Nitrobenzene-d5	7.41	82	593732	66.77	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	185679	77.33	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	896195	67.78	ng	0.00
79) Terphenyl-d14	12.96	244	675544	47.93	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.75	152	96991	4.569	ng	98
50) Dimethylphthalate	9.60	163	165288	9.802	ng	99
71) Phenanthrene	11.40	178	588730	32.277	ng	100
72) Anthracene	11.45	178	120992	6.554	ng	98
73) Carbazole	11.61	167	64928	3.877	ng	99
75) Fluoranthene	12.60	202	1044216	54.684	ng	100
78) Pyrene	12.83	202	982847	43.902	ng	100
81) Benzo(a)anthracene	14.02	228	579513	30.529	ng	93
83) Chrysene	14.05	228	574400	31.168	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	300867	19.438	ng	96
88) Benzo(b)fluoranthene	15.07	252	787215m	36.615	ng	
89) Benzo(k)fluoranthene	15.09	252	277169m	13.236	ng	
90) Benzo(a)pyrene	15.44	252	545411	28.378	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	74620m	4.485	ng	
92) Benzo(a,h,i)perylene	17.42	276	270525	16.558	ng	98

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

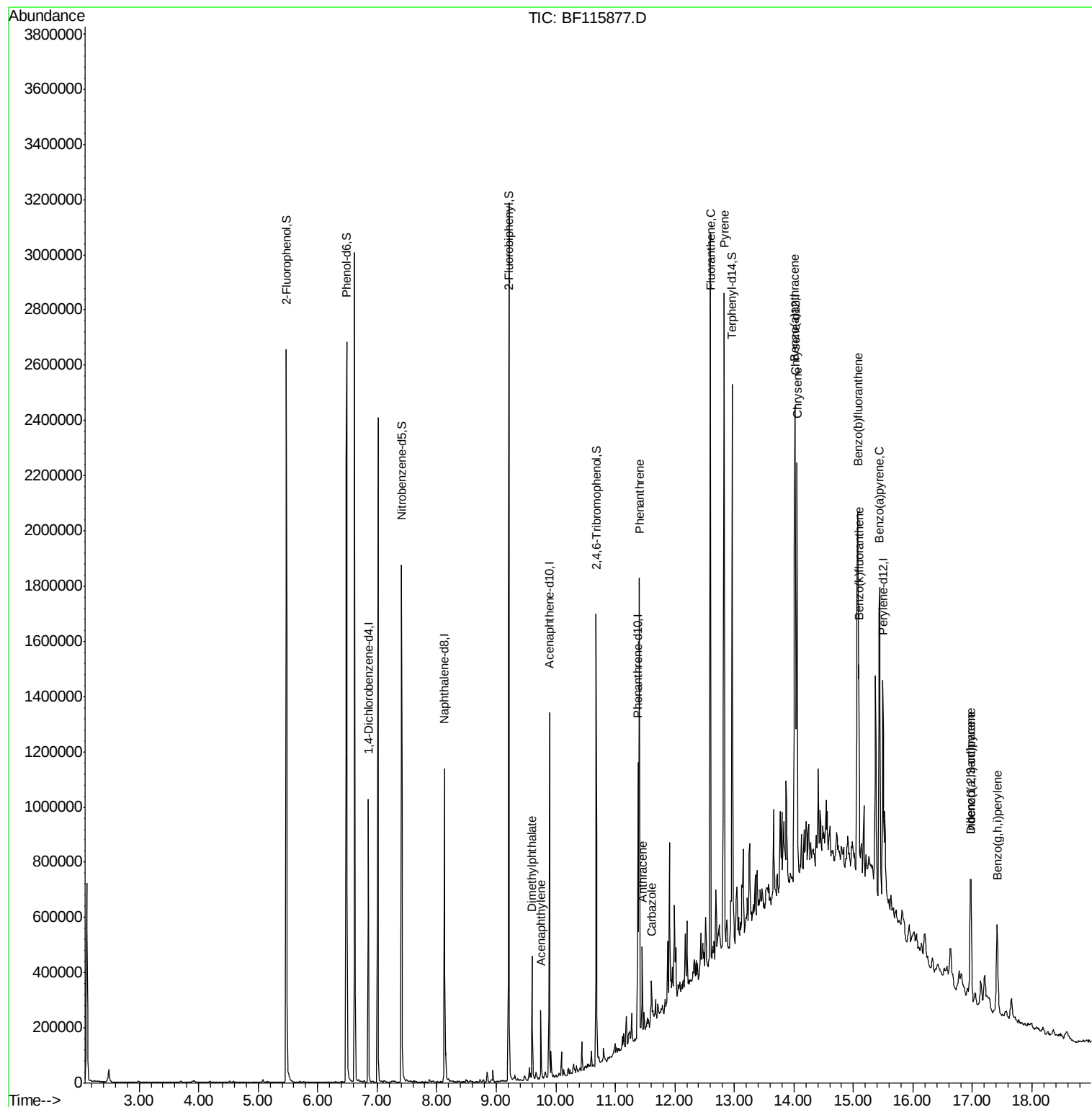
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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#1

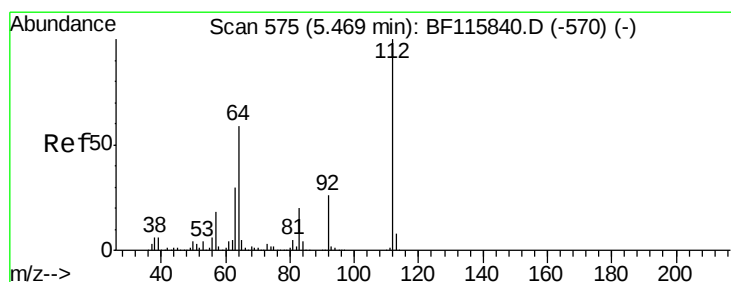
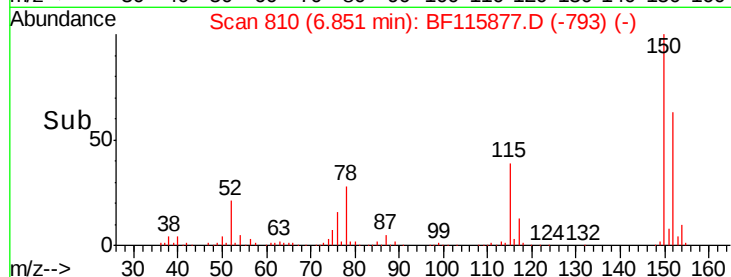
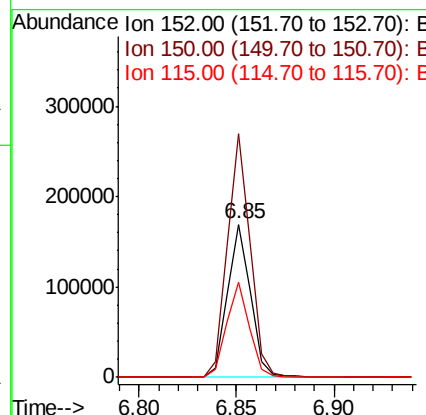
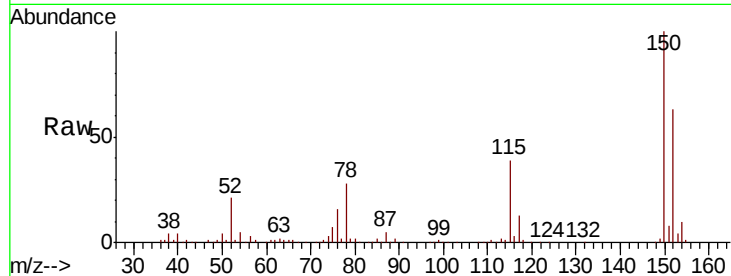
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Instrument :
BNA_F
ClientSampleId :
SP-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.4	191.0
115	62.2	51.8	77.8

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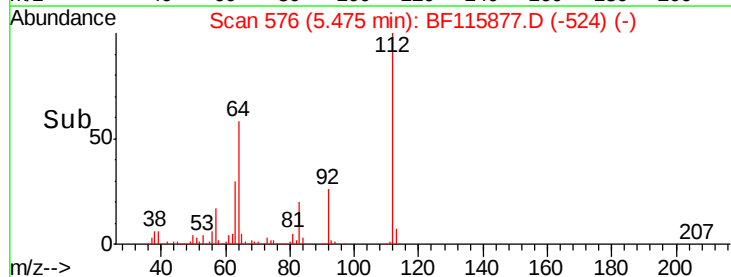
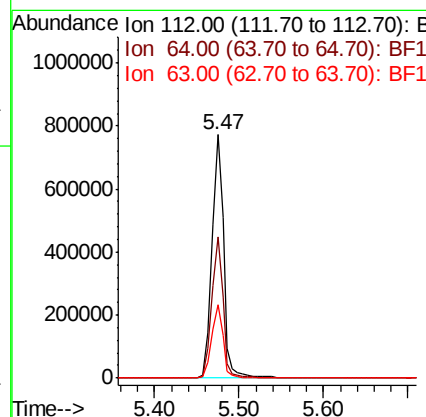
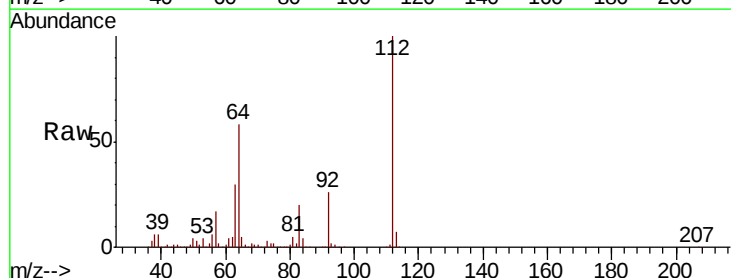
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#5

2-Fluorophenol
Concen: 90.785 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.8	70.2
63	30.1	24.2	36.2





#7

Phenol-d6

Concen: 93.218 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA_F

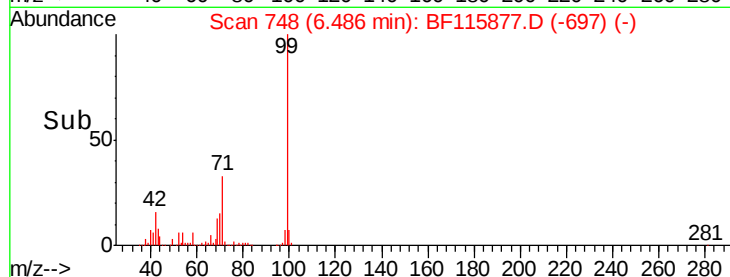
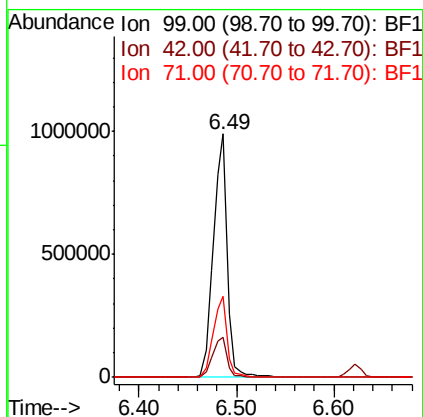
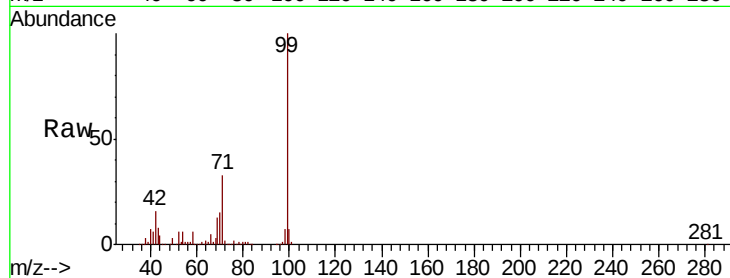
ClientSampleId :

SP-11

Tot Ion:	99	Resp:	972364
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.8	20.6
71	33.4	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

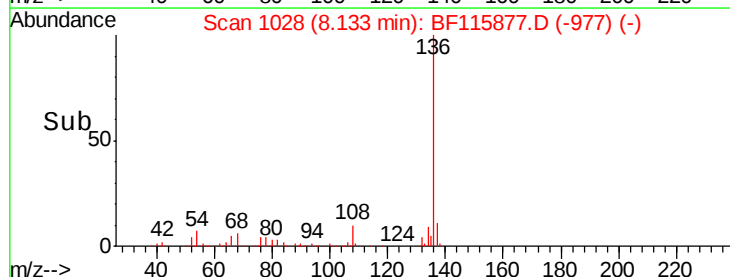
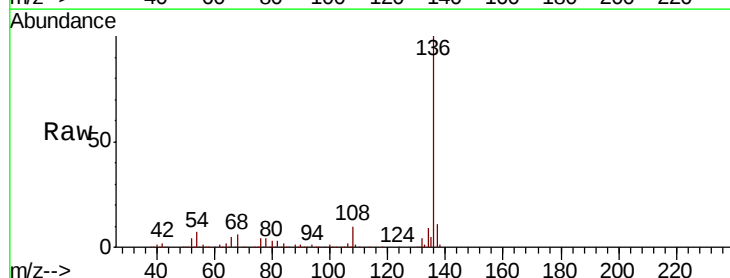
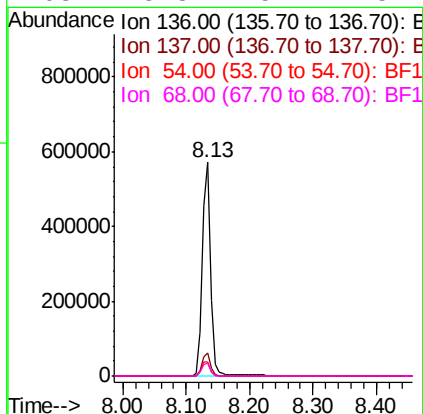
RT: 8.13 min Scan# 1028

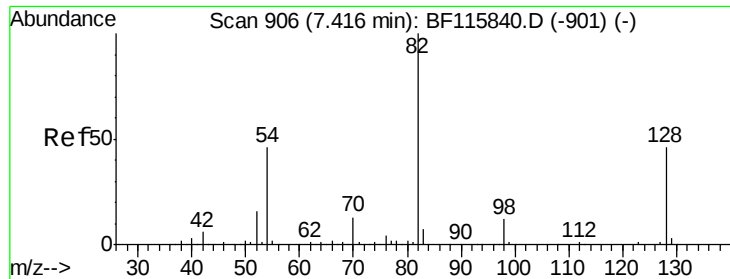
Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Tgt Ion:	136	Resp:	513267
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	6.6	6.1	9.1
68	5.8	5.4	8.2





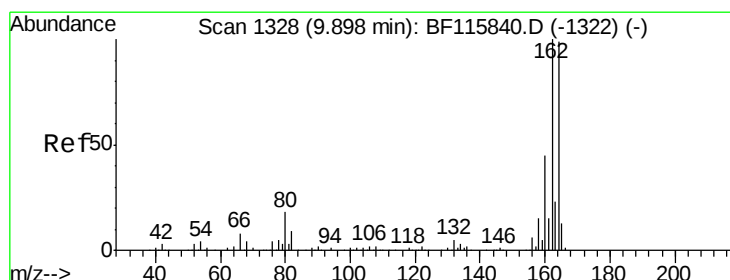
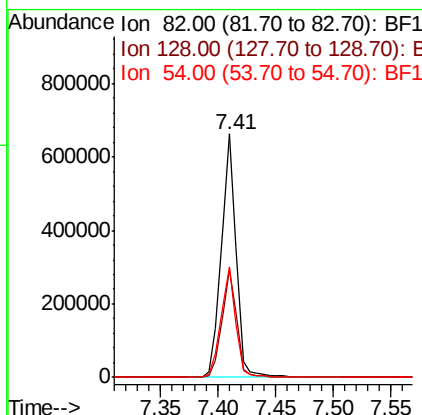
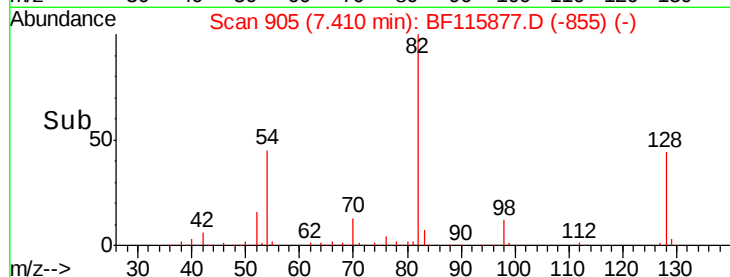
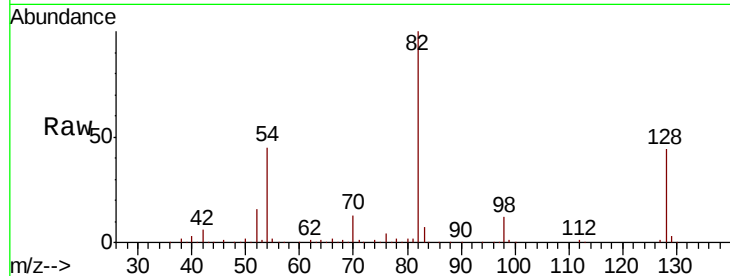
#23
Nitrobenzene-d5
Concen: 66.772 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Instrument :
BNA_F
ClientSampled :
SP-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.6	55.0
54	45.4	36.6	55.0

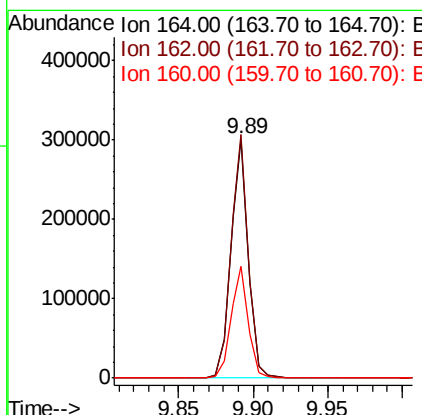
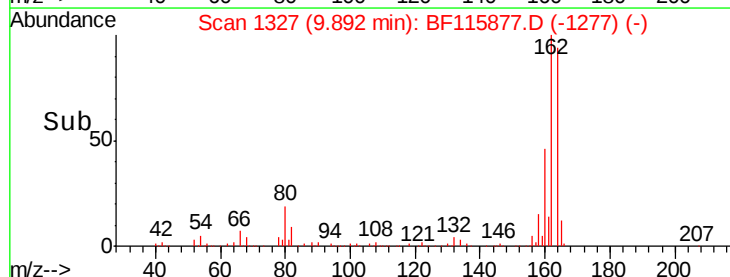
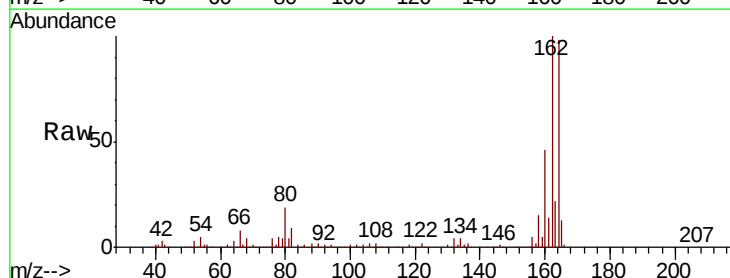
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.8	121.2
160	46.7	36.2	54.4





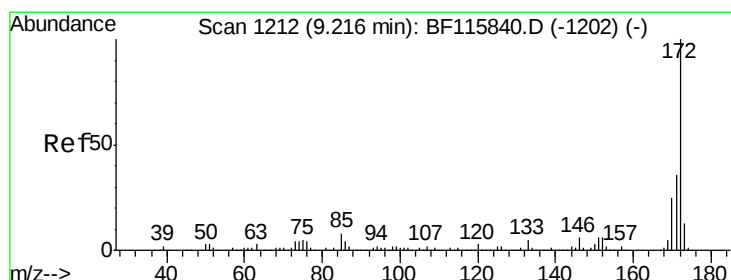
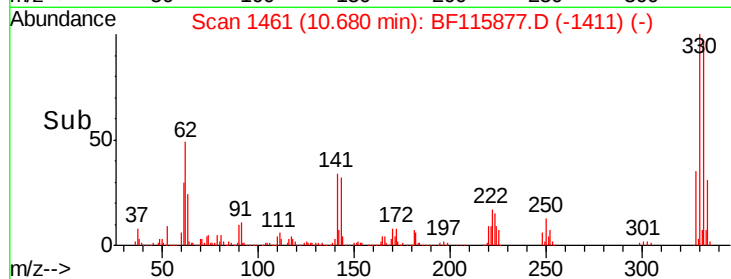
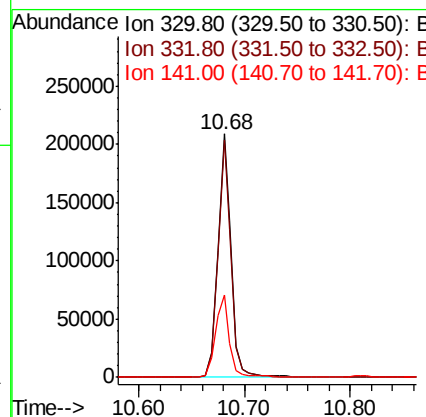
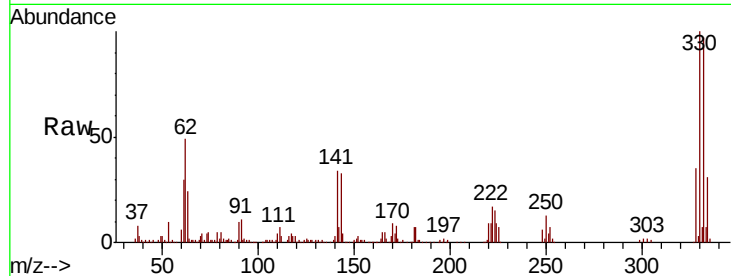
#42
 2,4,6-Tribromophenol
 Concen: 77.332 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115877.D
 Acq: 31 Jul 2019 20:20

Instrument :
 BNA_F
 ClientSampled :
 SP-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	36.4	28.1	42.1

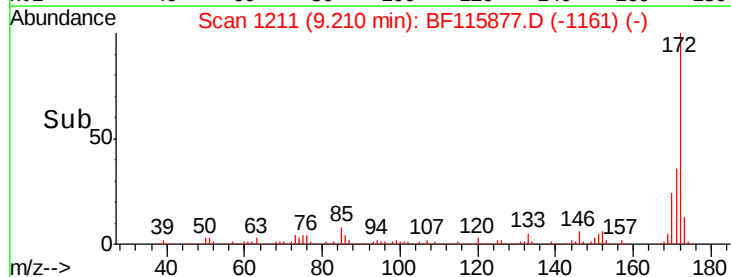
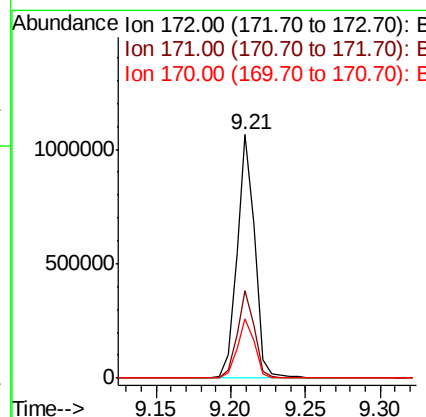
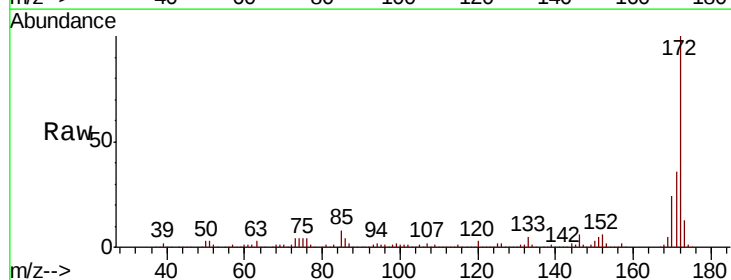
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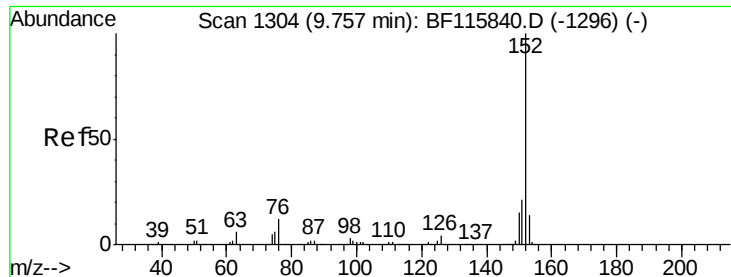
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#45
 2-Fluorobiphenyl
 Concen: 67.782 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115877.D
 Acq: 31 Jul 2019 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.1	43.7
170	24.4	20.1	30.1





#49

Acenaphthylene

Concen: 4.569 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA_F

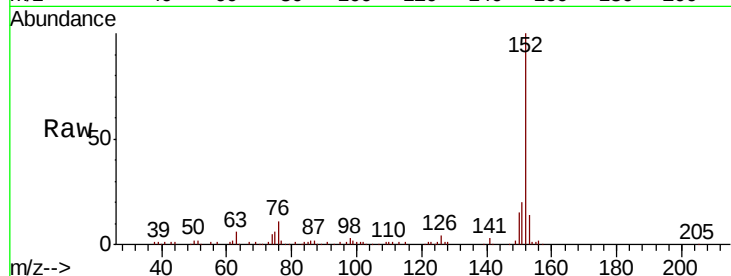
ClientSampleId :

SP-11

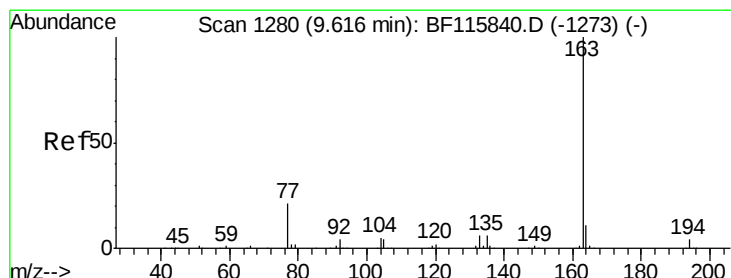
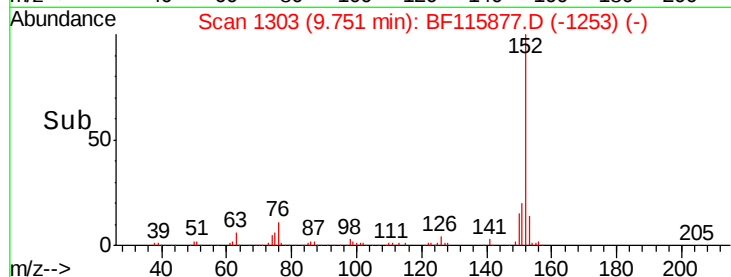
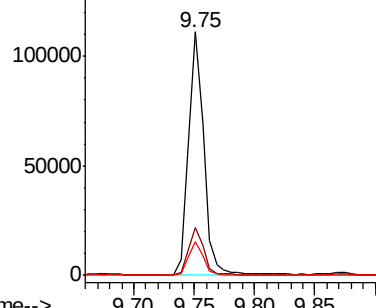
Tot Ion:	152	Resp:	96991
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.8	25.2
153	13.8	11.6	17.4

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Abundance Ion 152.00 (151.70 to 152.70): E
150000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.802 ng

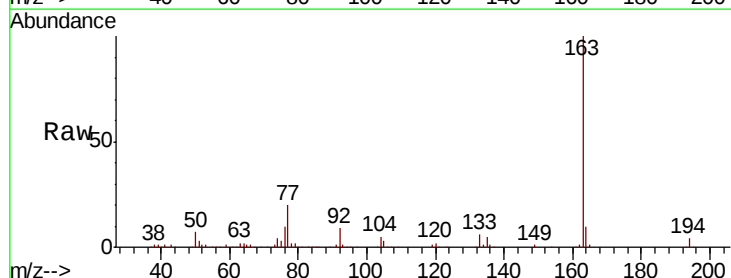
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

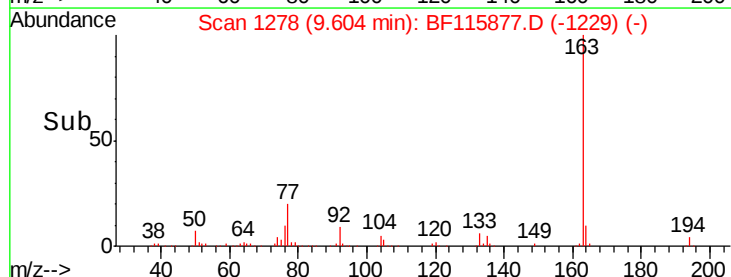
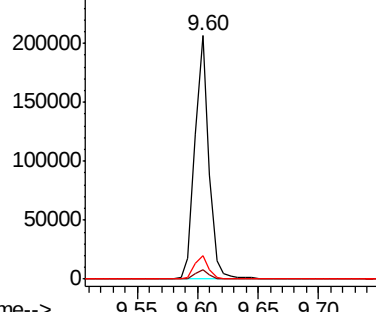
Lab File: BF115877.D

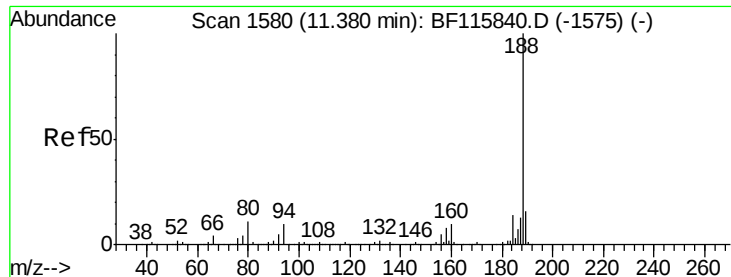
Acq: 31 Jul 2019 20:20

Tgt Ion:	163	Resp:	165288
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.8	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
250000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA_F

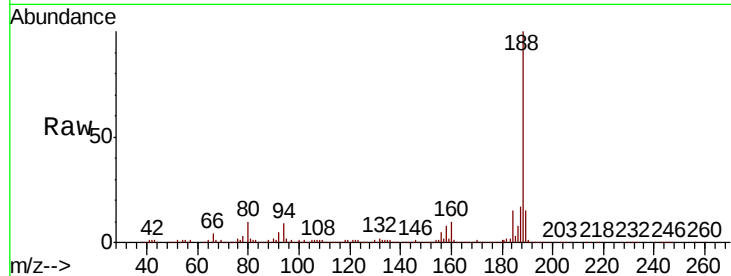
ClientSampled :

SP-11

Tot Ion:	188	Resp:	356795
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.0	12.0
80	10.0	8.6	12.8

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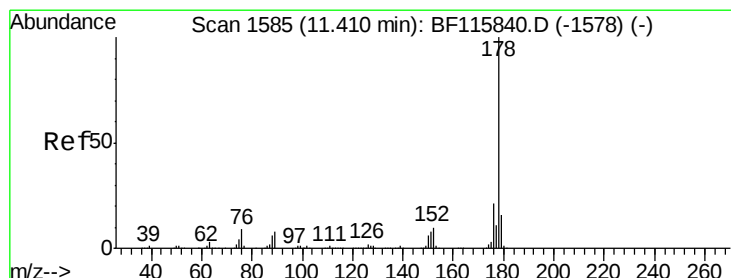
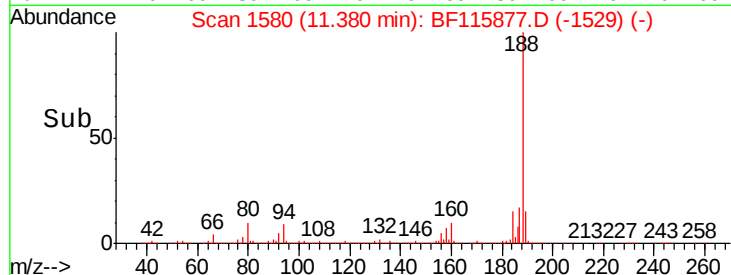
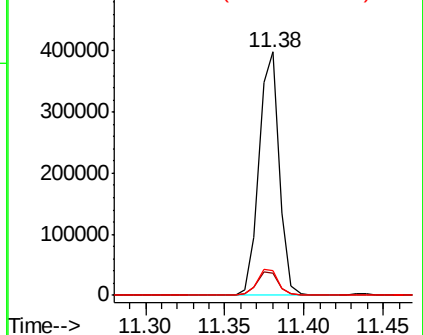
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 32.277 ng

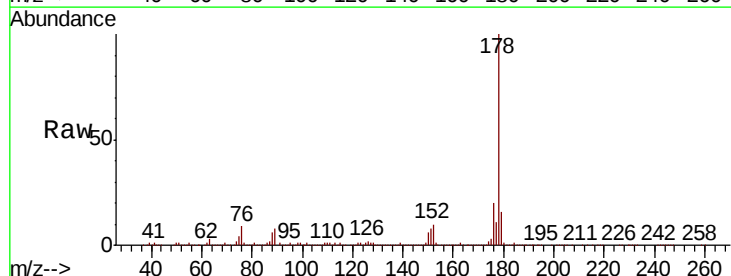
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

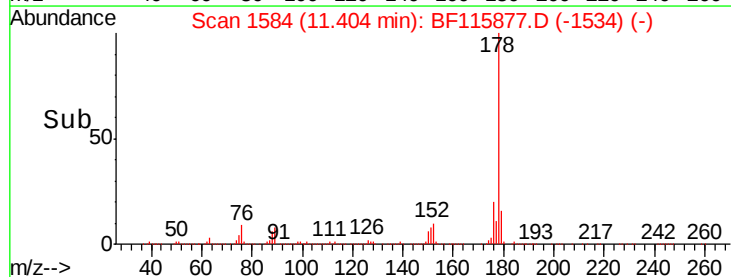
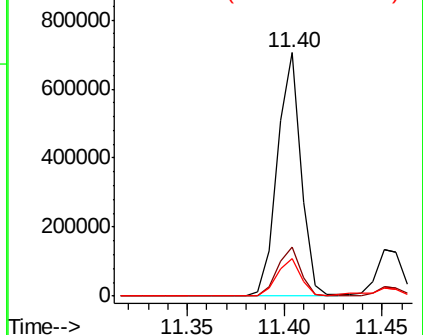
Tgt Ion:	178	Resp:	588730
Ion Ratio	Lower	Upper	
178	100		
176	20.3	16.5	24.7
179	15.7	12.6	18.8

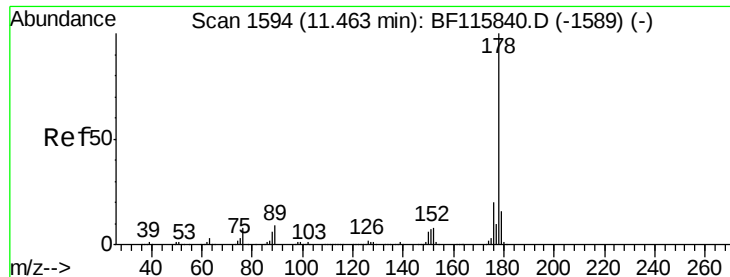


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.554 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA_F

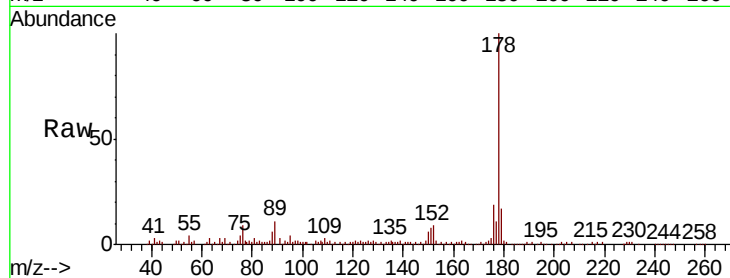
ClientSampleId :

SP-11

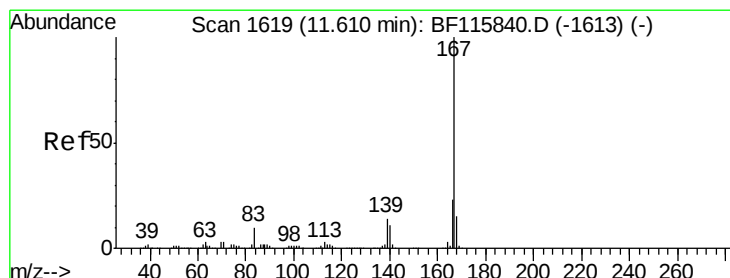
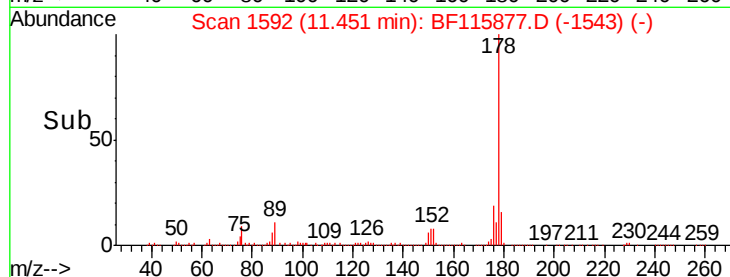
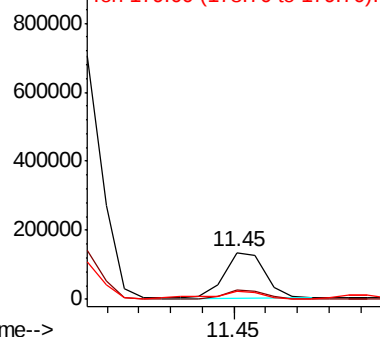
Tot Ion:	178	Resp:	120992
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.7	23.5
179	16.6	12.4	18.6

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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



#73

Carbazole

Concen: 3.877 ng

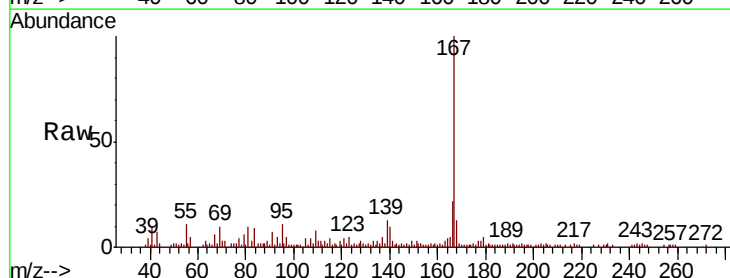
RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

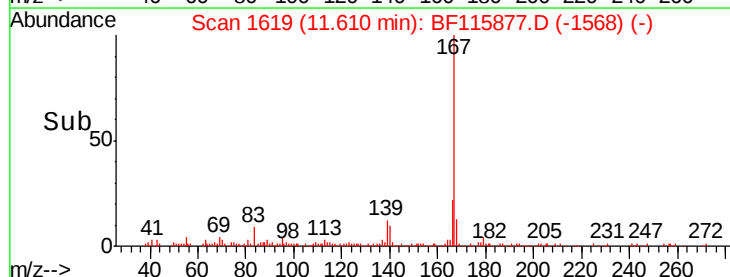
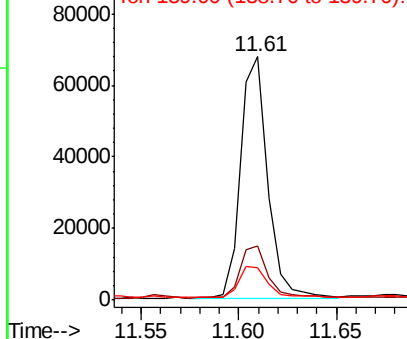
Lab File: BF115877.D

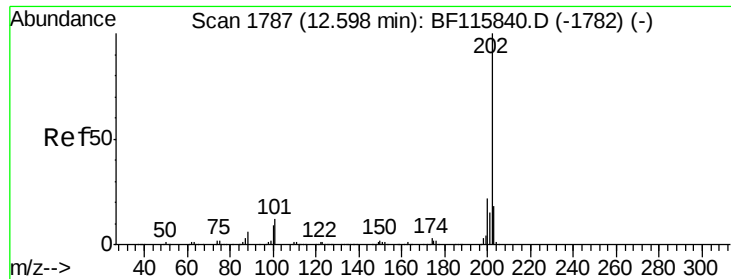
Acq: 31 Jul 2019 20:20

Tgt Ion:	167	Resp:	64928
Ion Ratio	Lower	Upper	
167	100		
166	22.3	18.0	27.0
139	13.1	11.4	17.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 54.684 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA_F

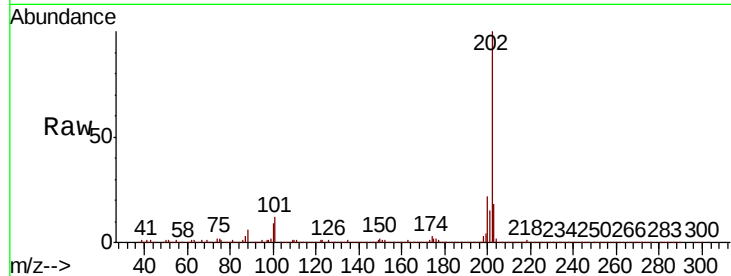
ClientSampleId :

SP-11

Tot Ion:	202	Resp:	1044216
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	18.0	0.0	37.9

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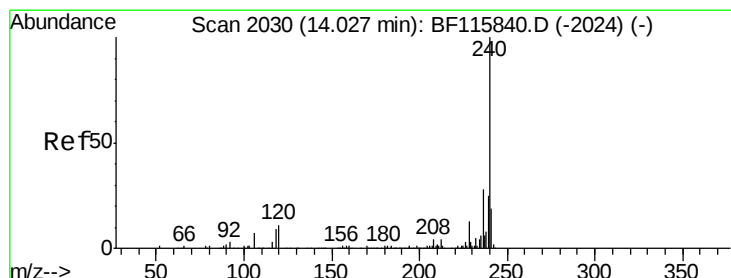
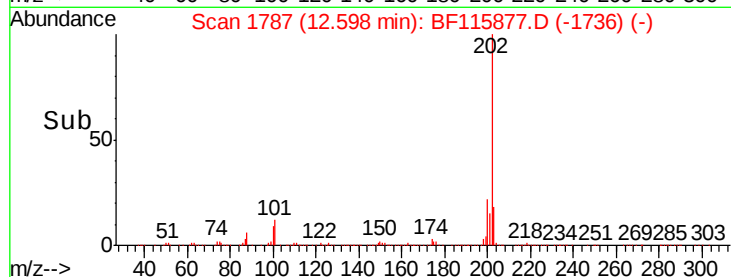
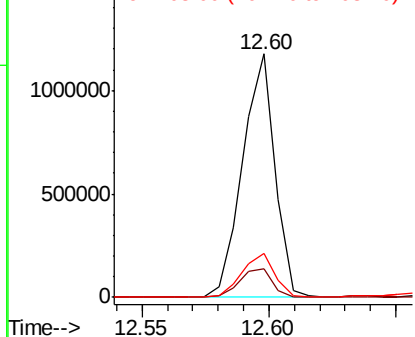


Abundance

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

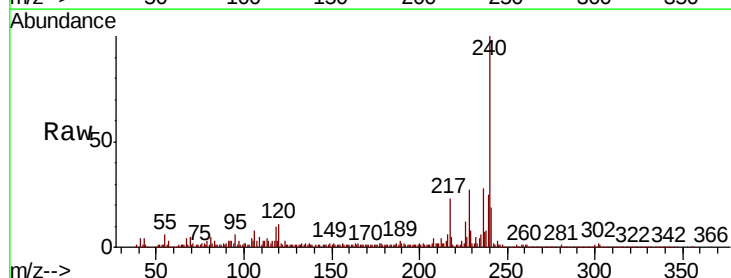
RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Tgt Ion:	240	Resp:	296989
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.5	12.7
236	27.6	22.2	33.2

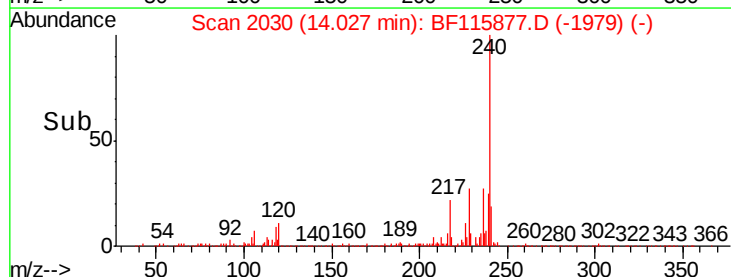
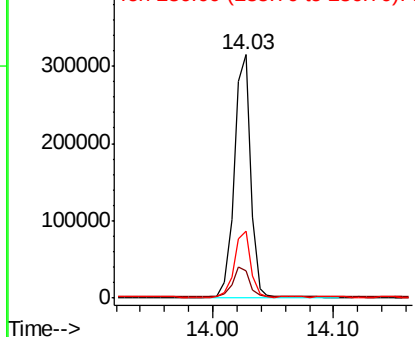


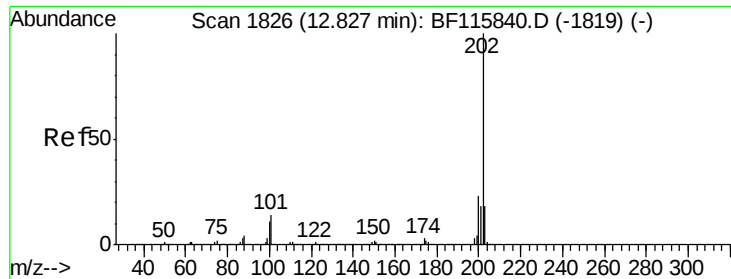
Abundance

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





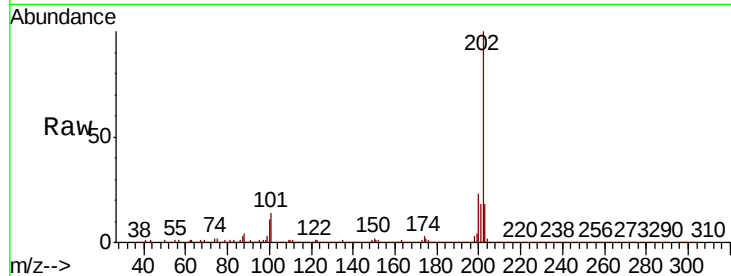
#78
Pvrene
Concen: 43.902 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Instrument :
BNA_F
ClientSampled :
SP-11

Tot Ion	Ratio	Resp	Lower	Upper
202	100	982847		
200	22.7		18.2	27.2
203	18.4		14.3	21.5

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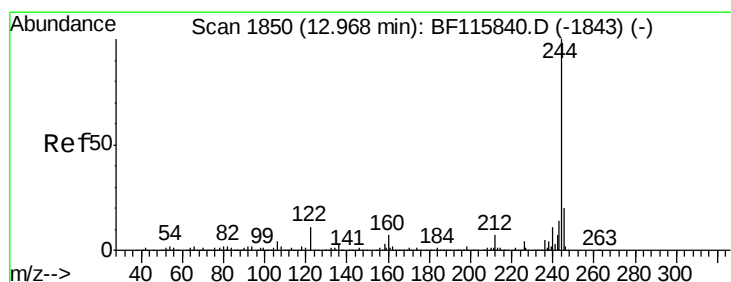
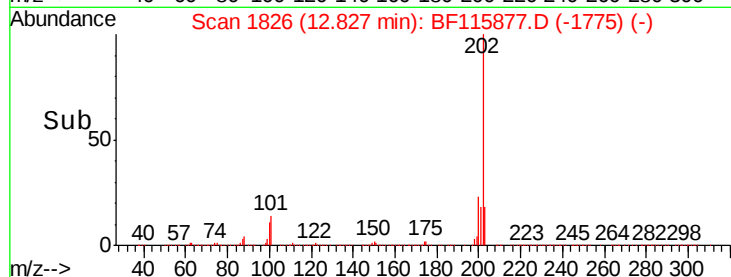
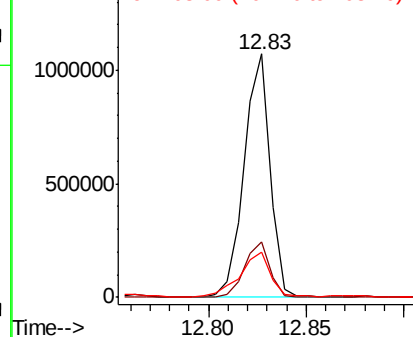


Abundance

Ion 202.00 (201.70 to 202.70): E

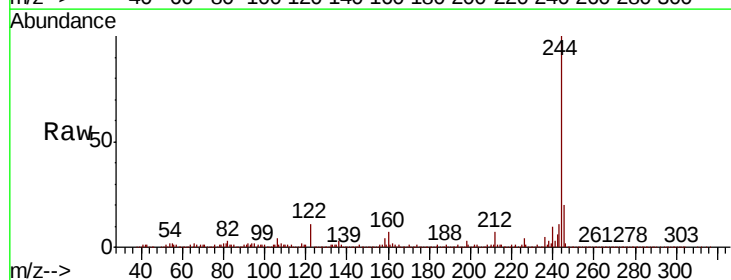
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 47.930 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	675544		
212	7.0		5.6	8.4
122	11.4		8.6	13.0

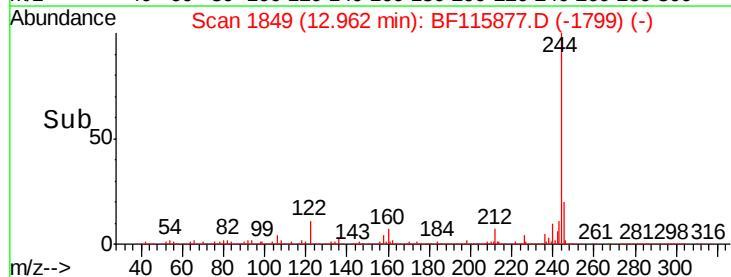
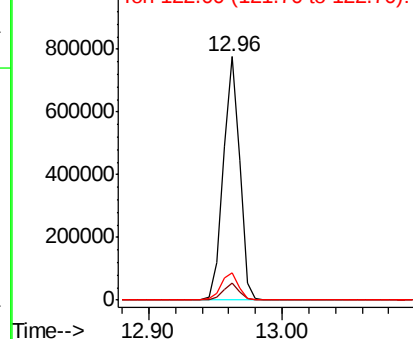


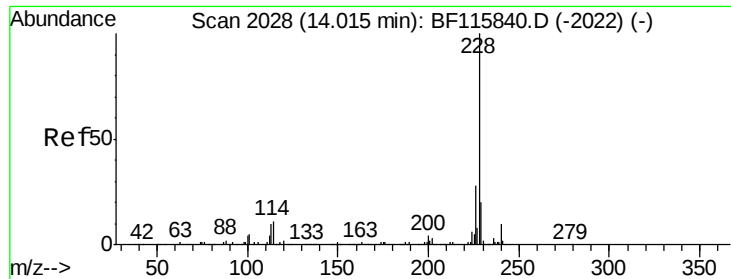
Abundance

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





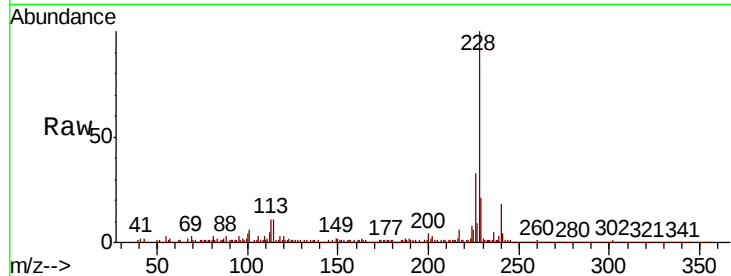
#81
Benzo(a)anthracene
Concen: 30.529 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Instrument :
BNA_F
ClientSampleId :
SP-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.5	33.7
229	21.2	16.1	24.1

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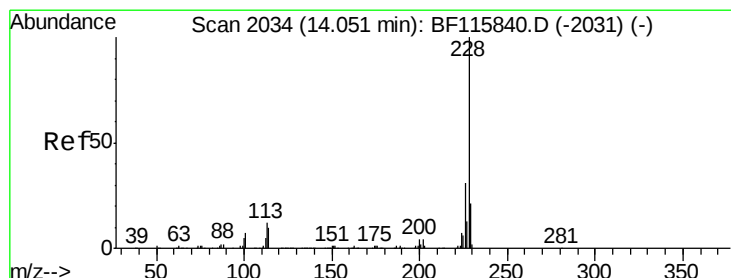
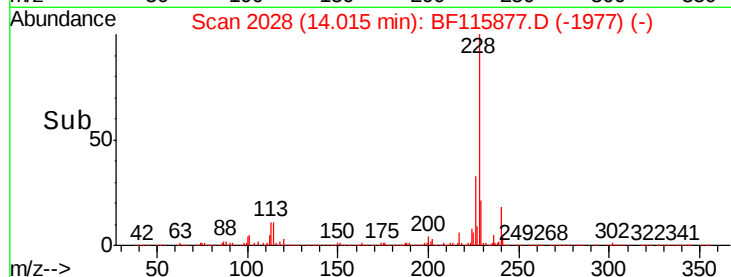
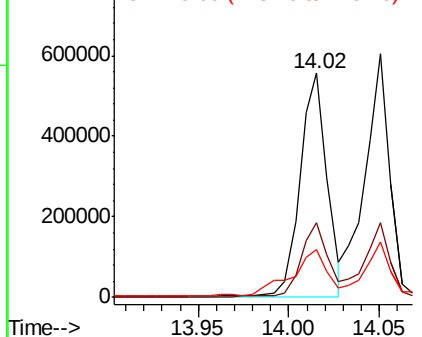


Abundance

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: 31.168 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

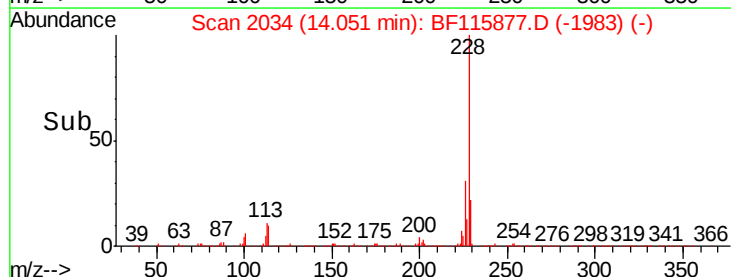
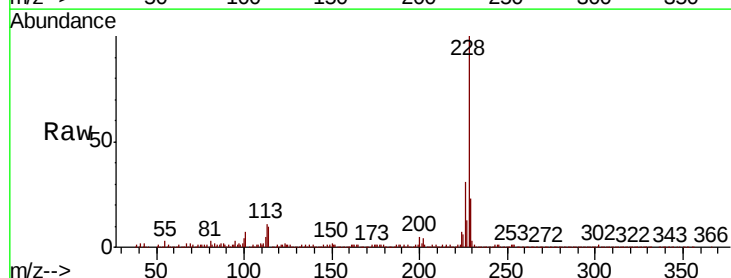
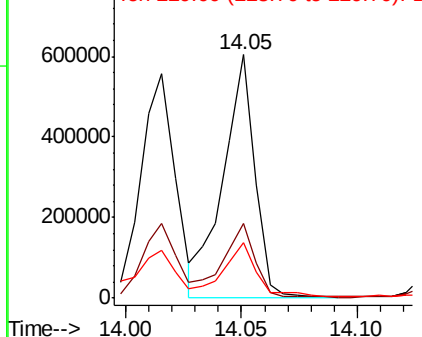
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	22.6	16.4	24.6

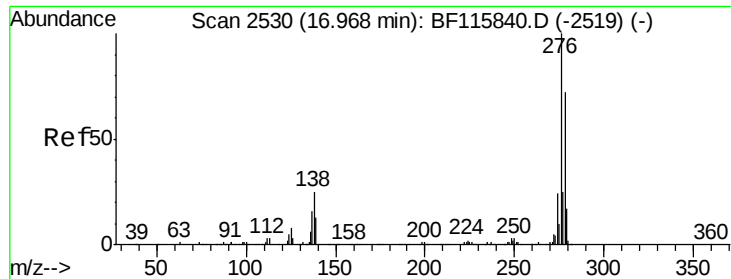
Abundance

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





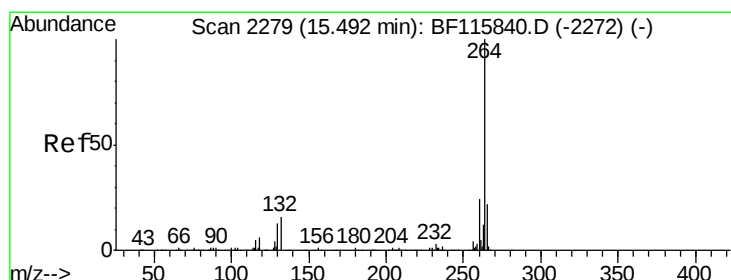
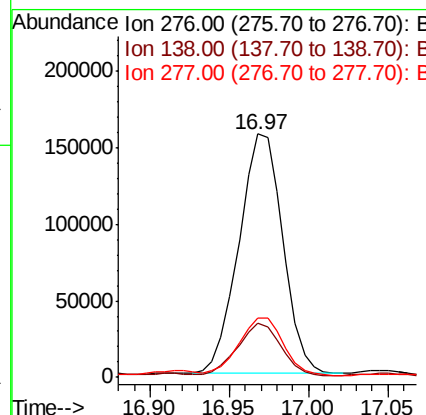
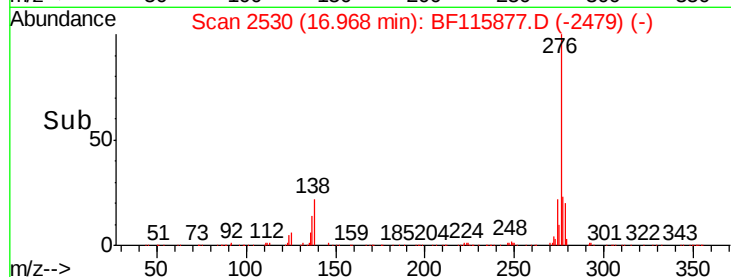
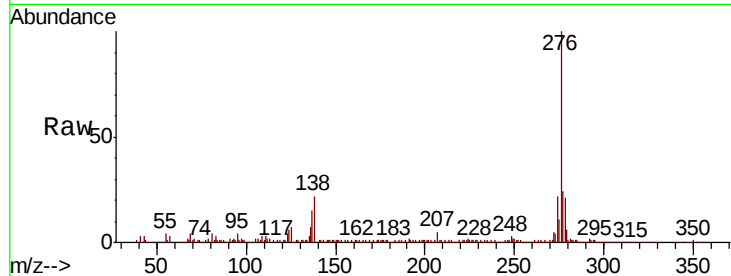
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.438 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Instrument :
BNA_F
ClientSampleId :
SP-11

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.6	29.4
277	24.3	20.1	30.1

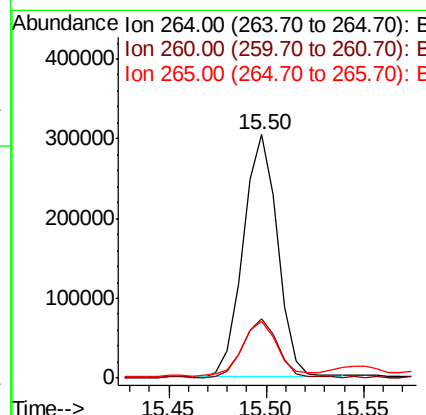
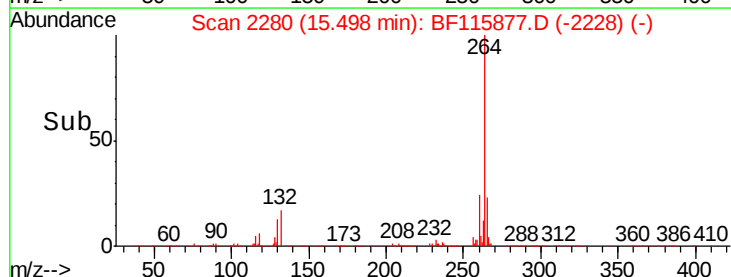
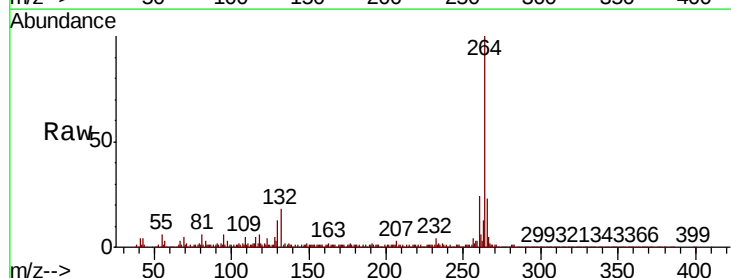
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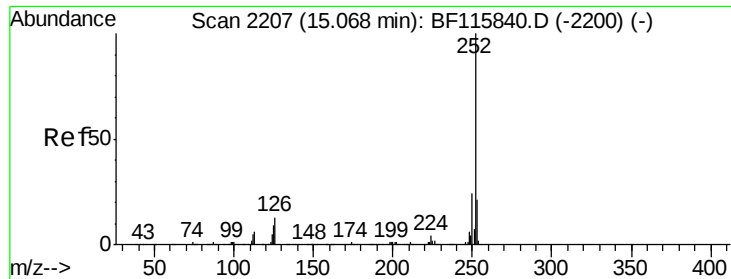
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	23.4	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 36.615 ng m

RT: 15.07 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA_F

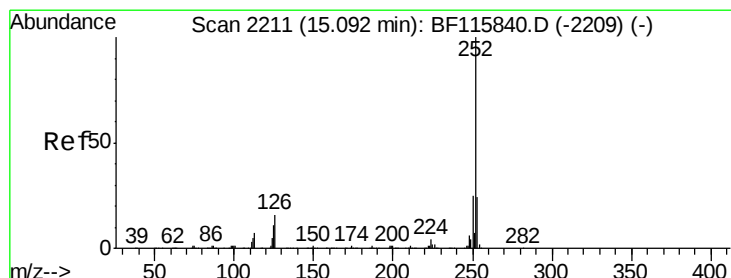
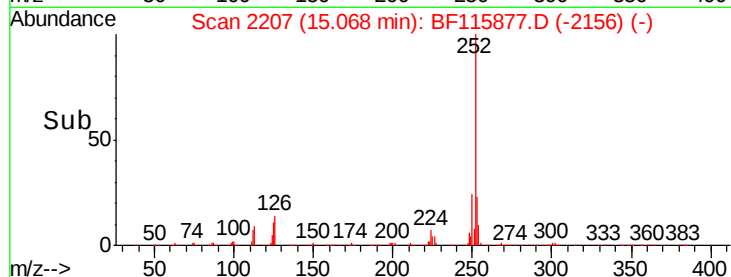
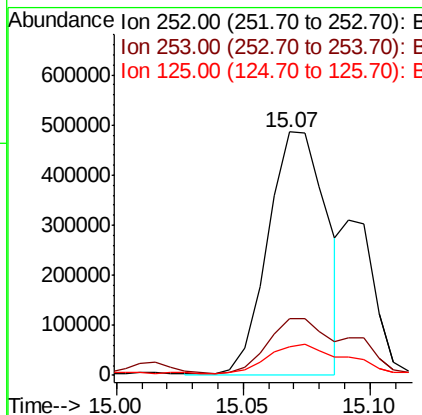
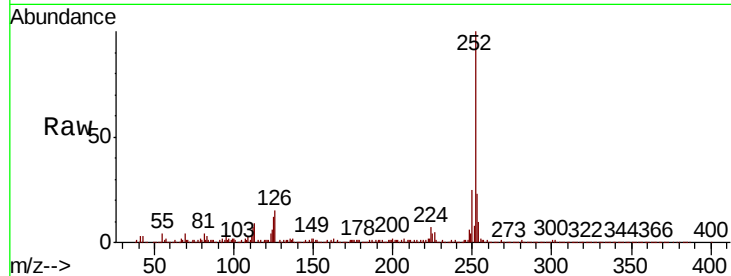
ClientSampleId :

SP-11

Tot Ion:	252	Resp:	787215
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	11.9	7.4	11.0#

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#89

Benzo(k)fluoranthene

Concen: 13.236 ng m

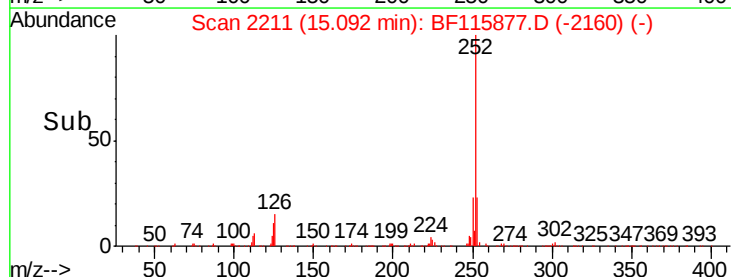
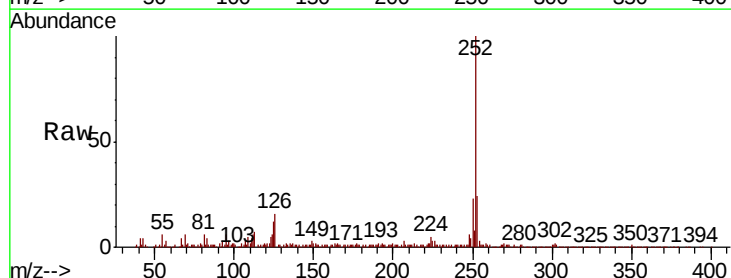
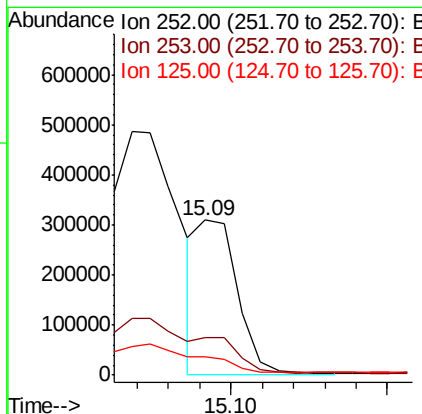
RT: 15.09 min Scan# 2211

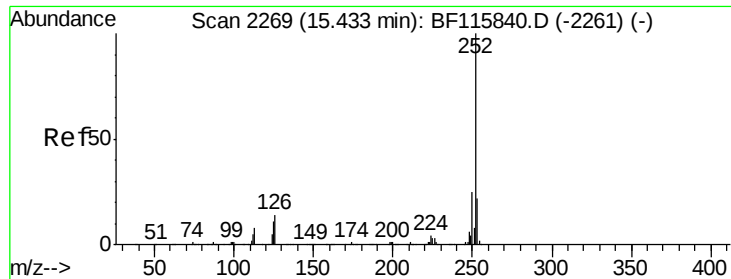
Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Tgt Ion:	252	Resp:	277169
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.2	27.4
125	12.1	8.9	13.3





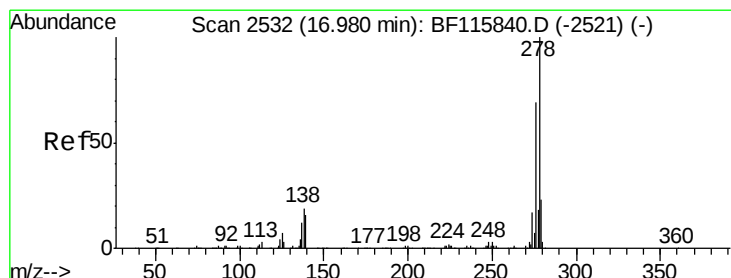
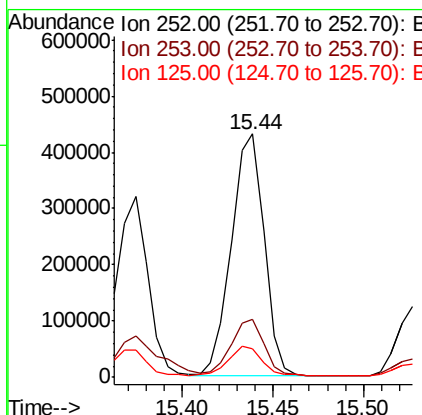
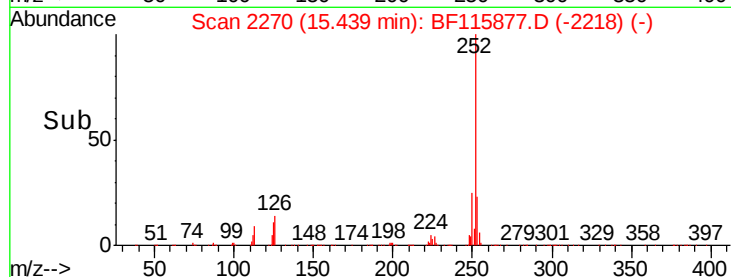
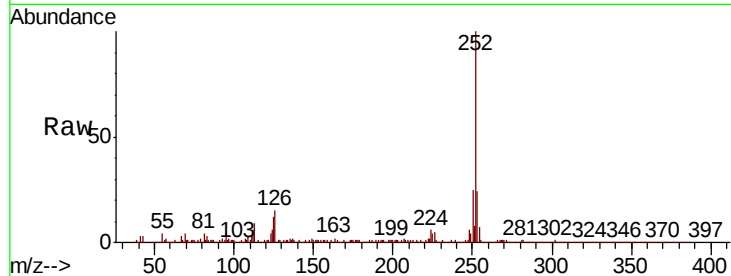
#90
Benzo(a)pyrene
Concen: 28.378 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Instrument :
BNA_F
ClientSampleId :
SP-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	11.6	8.8	13.2

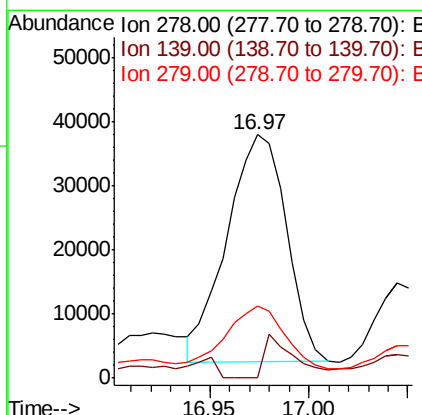
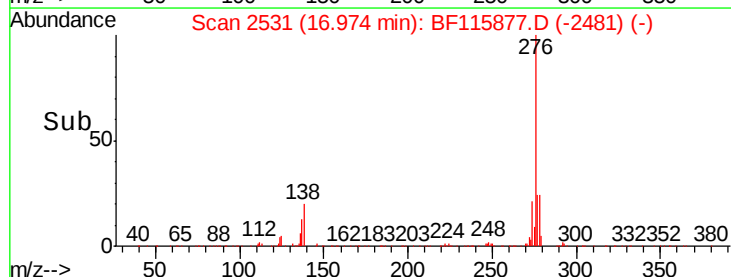
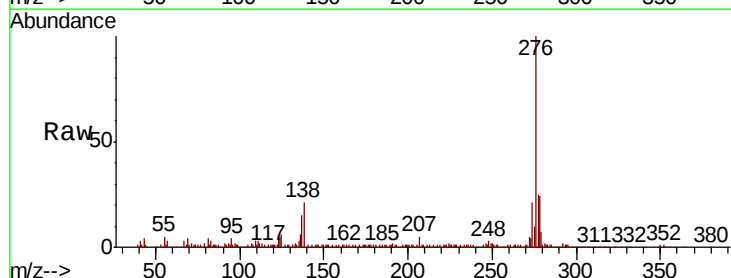
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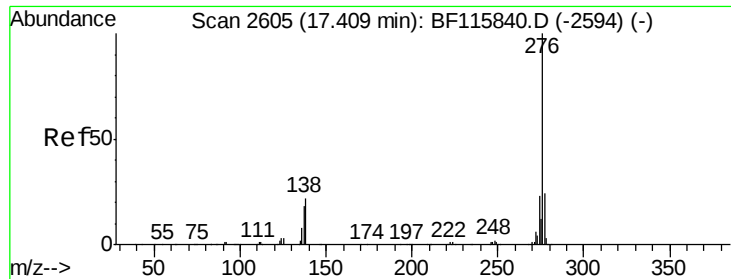
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#91
Dibenzo(a,h)anthracene
Concen: 4.485 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115877.D
Acq: 31 Jul 2019 20:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	29.6	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 16.558 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BF115877.D
 Acq: 31 Jul 2019 20:20

Instrument :
 BNA_F
 ClientSampleId :
 SP-11

Tot Ion:	276	Resp:	270525
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.5	29.3
138	23.1	17.8	26.8

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