

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115874.D
 Acq On : 31 Jul 2019 18:59
 Operator : HP/JU
 Sample : K4049-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Manual Integrations
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 8/1/2019 5:06:48 PM

Quant Time: Aug 01 06:59:48 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	145482	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	558819	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	292761	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	472380	20.00	ng	0.00
76) Chrysene-d12	14.02	240	336202	20.00	ng	0.00
87) Perylene-d12	15.50	264	398260	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	892569	102.71	ng	0.00
7) Phenol-d6	6.49	99	1169206	106.64	ng	0.00
23) Nitrobenzene-d5	7.41	82	745011	76.96	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	272237	95.91	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1235805	79.07	ng	0.00
79) Terphenyl-d14	12.96	244	1140820	71.50	ng	0.00

Target Compounds					Qvalue	
49) Acenaphthylene	9.75	152	53622	2.137	ng	97
50) Dimethylphthalate	9.60	163	325080	16.308	ng	99
71) Phenanthrene	11.40	178	544167	22.534	ng	100
72) Anthracene	11.45	178	121275	4.962	ng	98
73) Carbazole	11.61	167	51325	2.315	ng	98
75) Fluoranthene	12.60	202	998970	39.514	ng	100
78) Pyrene	12.82	202	945413	37.304	ng	99
81) Benzo(a)anthracene	14.02	228	579085	26.948	ng	98
83) Chrysene	14.05	228	597270	28.629	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	42801	3.072	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.97	276	341465	19.488	ng	96
88) Benzo(b)fluoranthene	15.07	252	848273m	36.837	ng	
89) Benzo(k)fluoranthene	15.09	252	230431m	10.274	ng	
90) Benzo(a)pyrene	15.43	252	511992	24.872	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	99489m	5.583	ng	
92) Benzo(g,h,i)perylene	17.42	276	312611	17.864	ng	99

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

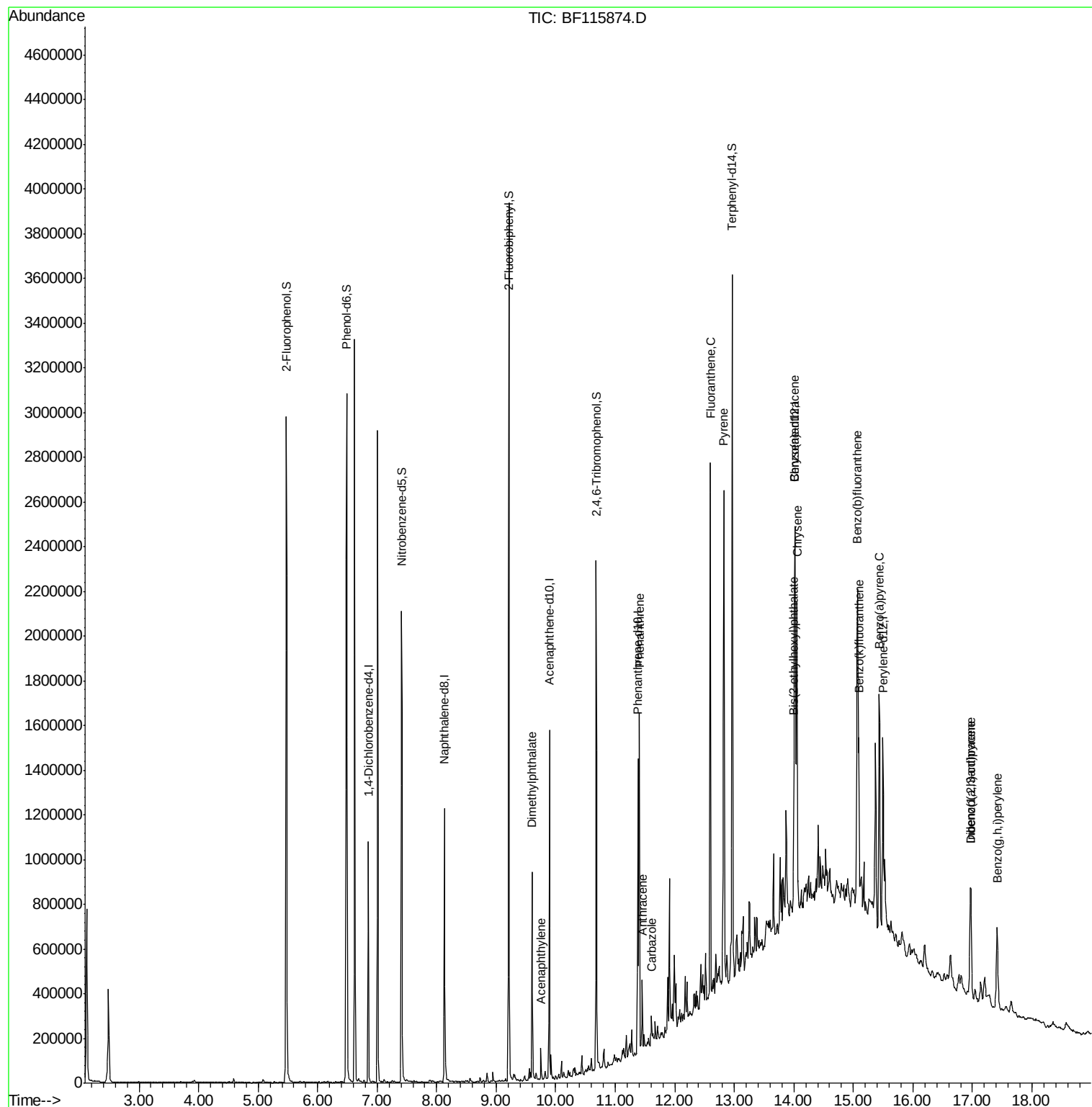
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115874.D
Acq On : 31 Jul 2019 18:59
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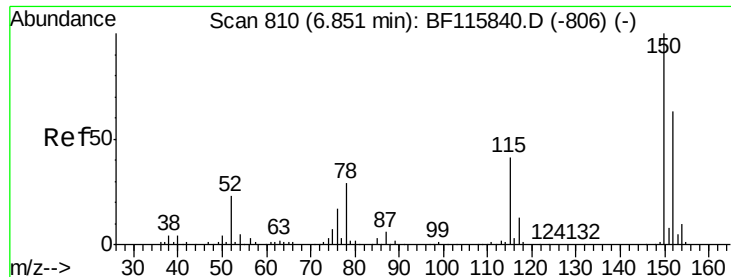
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

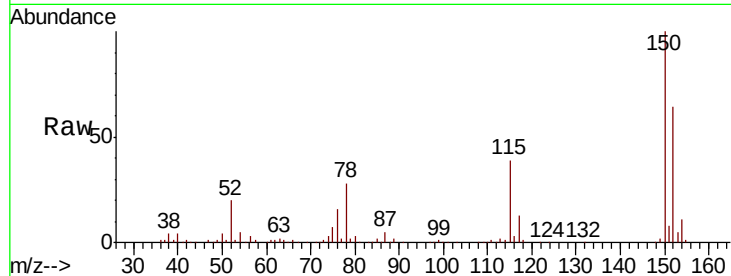
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.0
115	61.0	51.8	77.8

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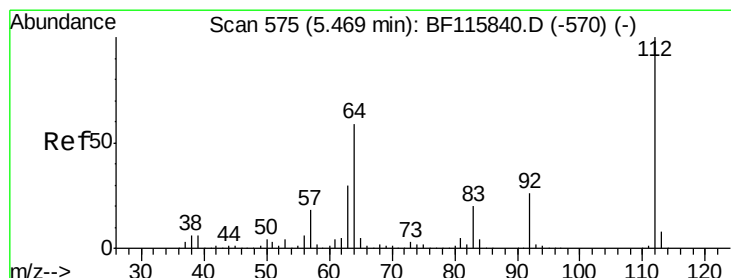
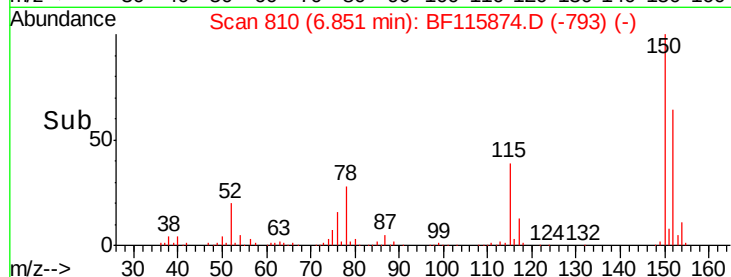
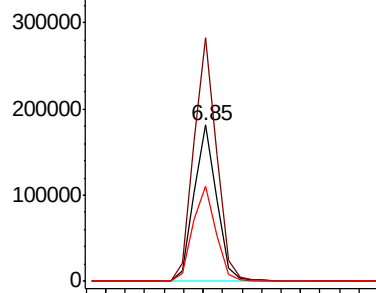


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

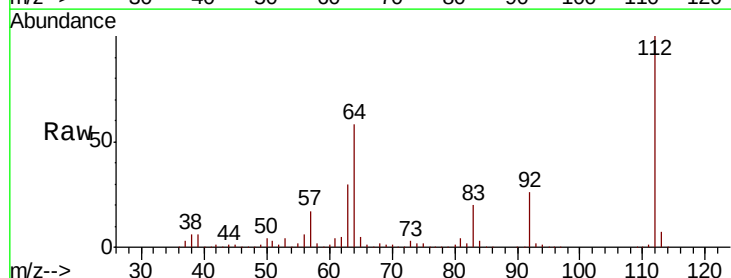
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.708 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.8	70.2
63	30.2	24.2	36.2

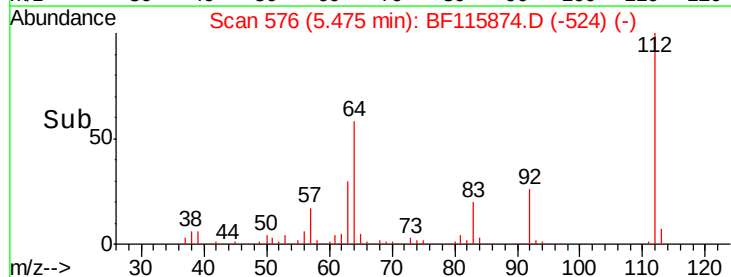
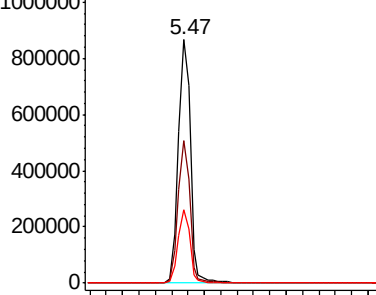


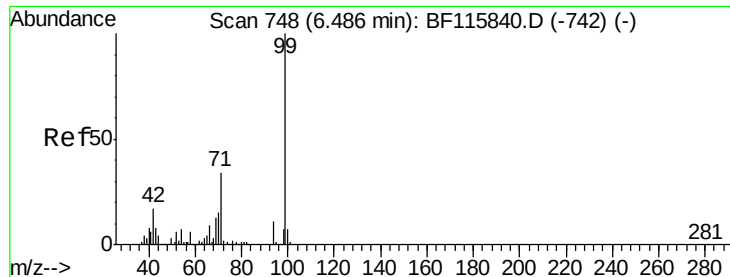
Abundance

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: 106.636 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

ClientSampled :

SP-9

Tot Ion: 99 Resp: 1169206

Ion Ratio Lower Upper

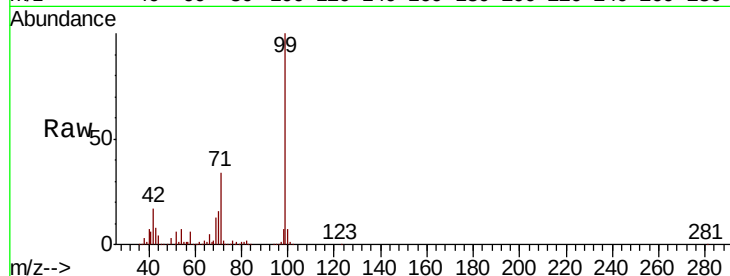
99 100

42 16.9 13.8 20.6

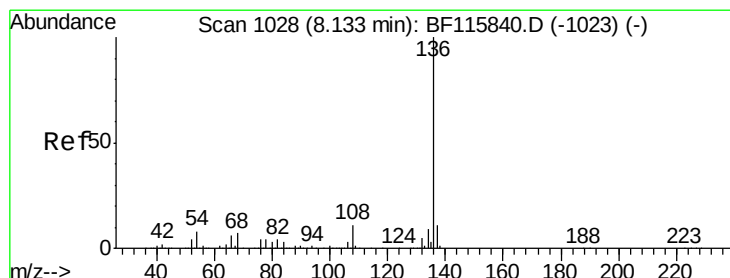
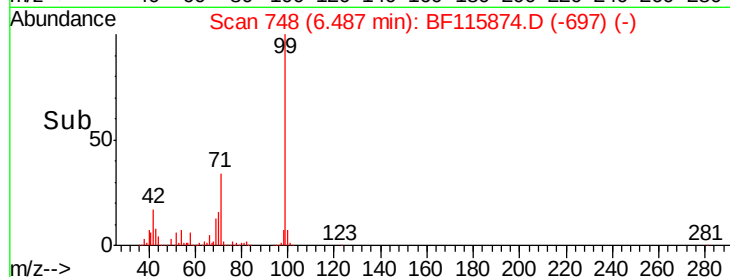
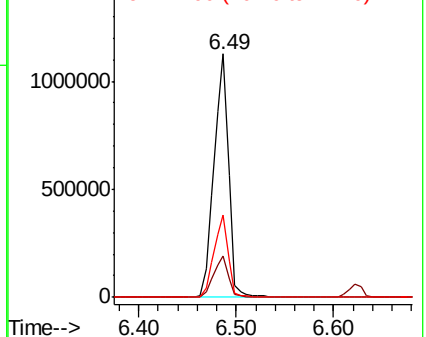
71 34.0 27.1 40.7

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Tgt Ion: 136 Resp: 558819

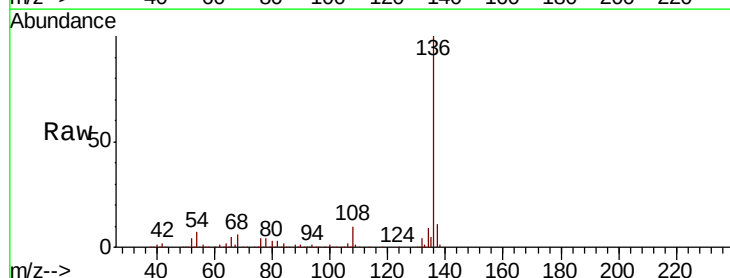
Ion Ratio Lower Upper

136 100

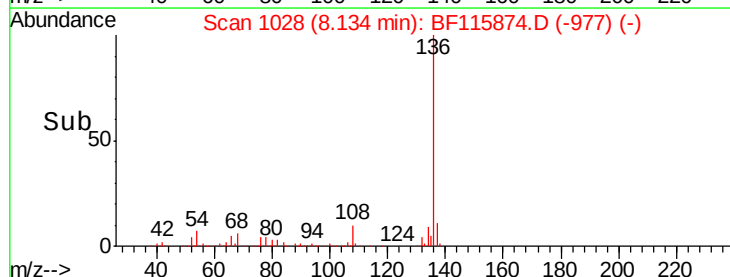
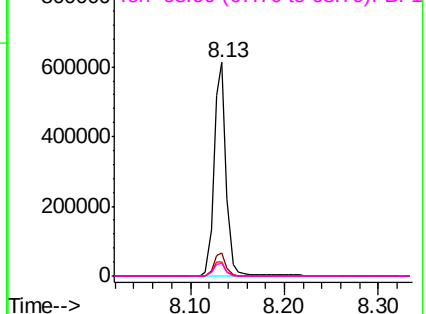
137 11.0 9.1 13.7

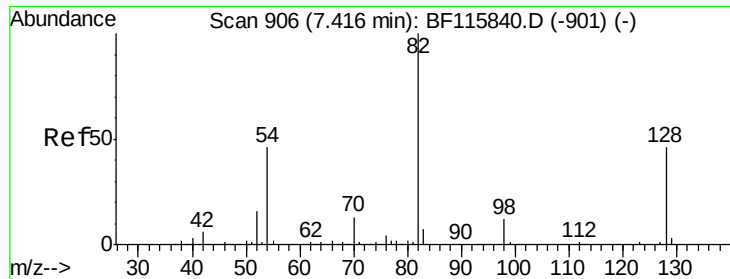
54 6.8 6.1 9.1

68 5.8 5.4 8.2



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





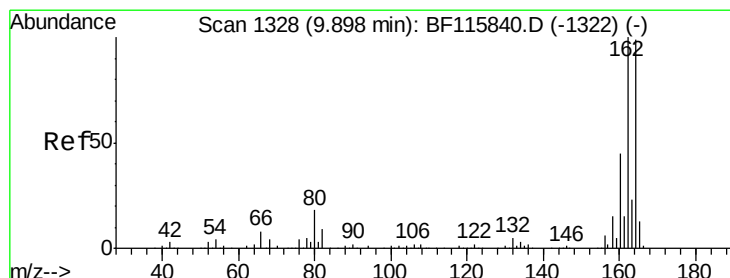
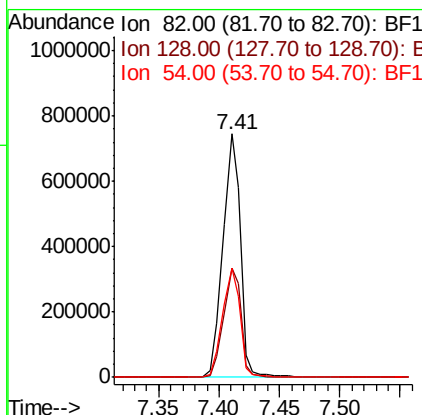
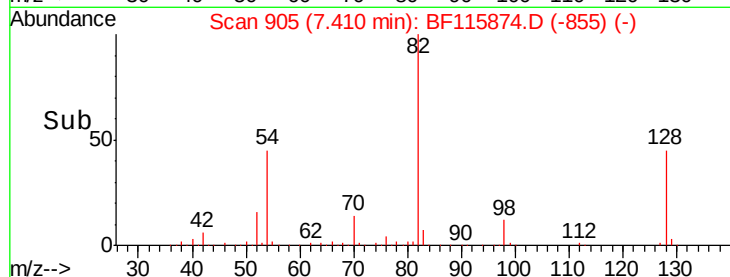
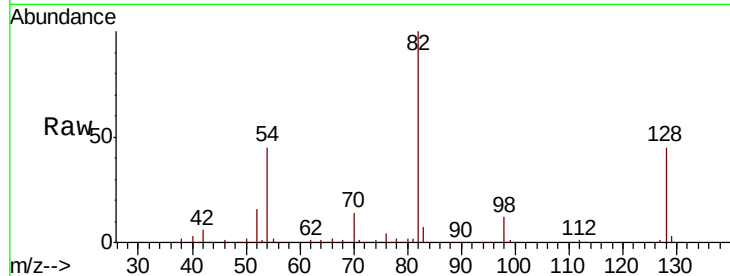
#23
 Nitrobenzene-d5
 Concen: 76.956 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115874.D
 Acq: 31 Jul 2019 18:59

Instrument :
 BNA_F
 ClientSampled :
 SP-9

Tot Ion	Ratio	Resp	Lower	Upper
82	100	745011		
128	45.0		36.6	55.0
54	44.9		36.6	55.0

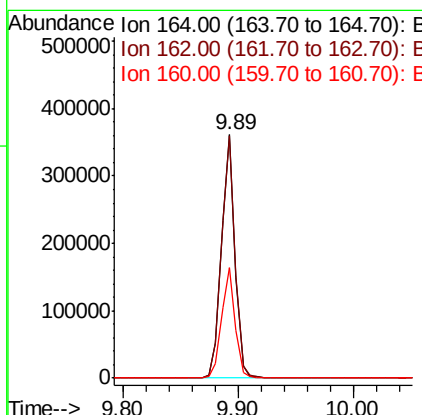
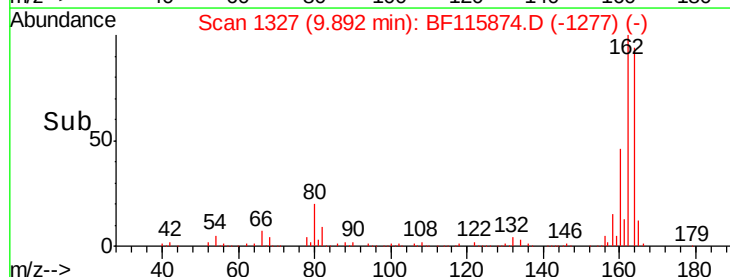
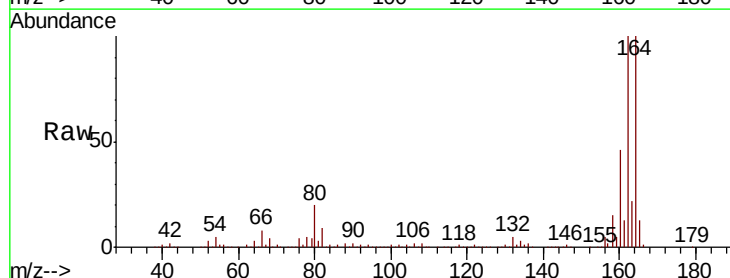
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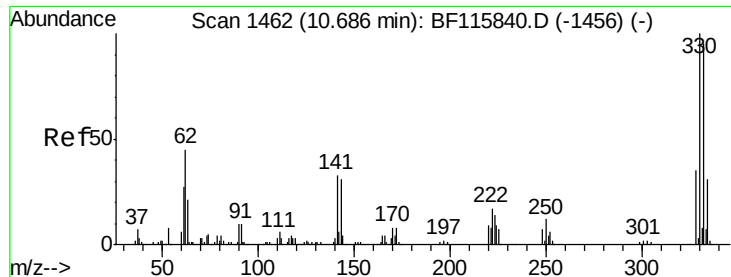
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115874.D
 Acq: 31 Jul 2019 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	292761		
162	99.8		80.8	121.2
160	45.6		36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 95.912 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

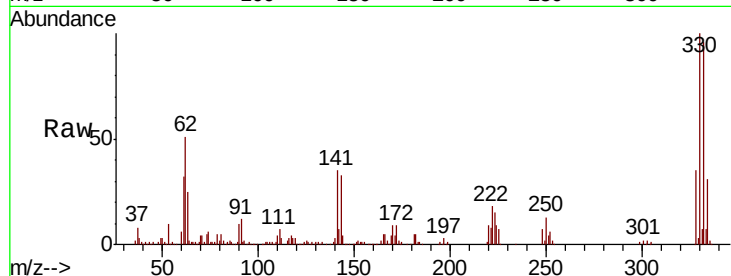
ClientSampleId :

SP-9

Tot Ion:	330	Resp:	272237
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.7	116.5
141	34.7	28.1	42.1

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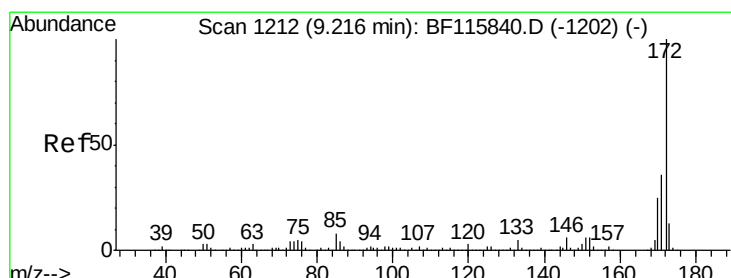
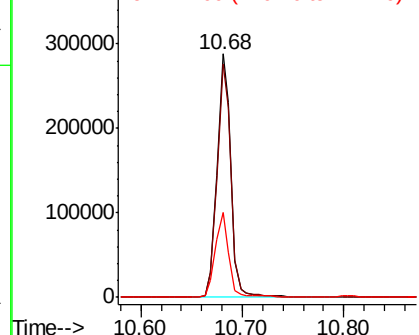
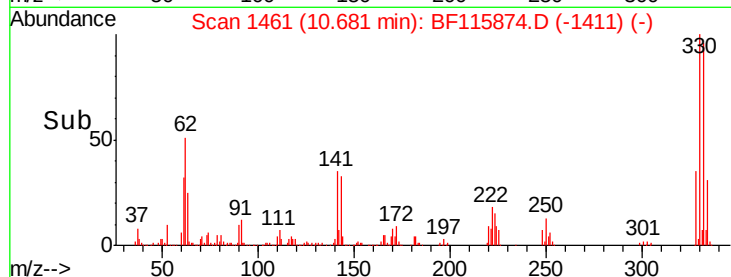


Abundance

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: 79.066 ng

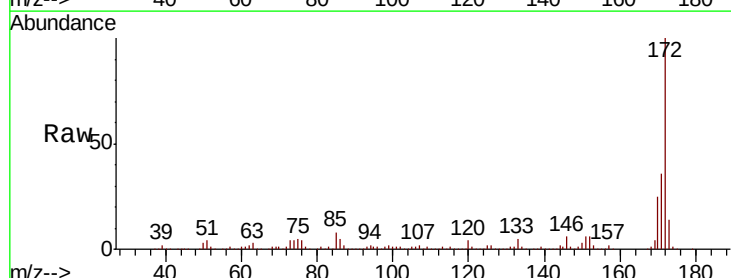
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Tgt Ion:	172	Resp:	1235805
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.1	43.7
170	25.3	20.1	30.1

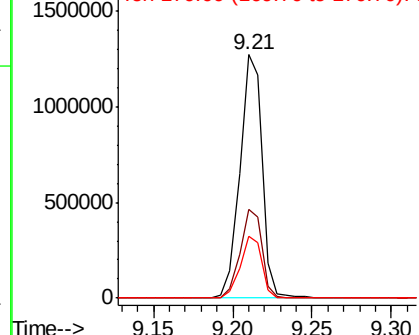
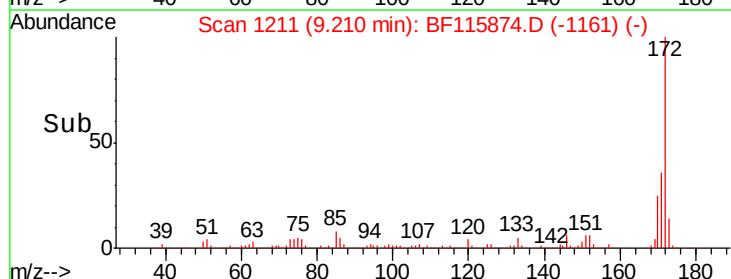


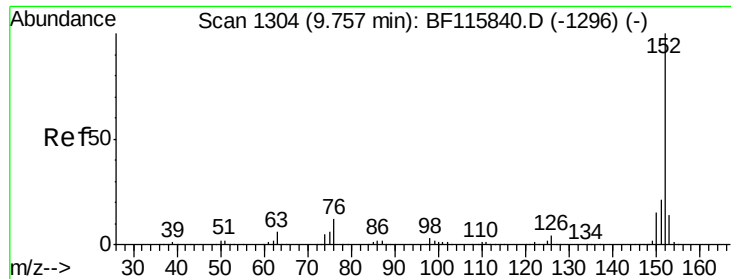
Abundance

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: 2.137 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

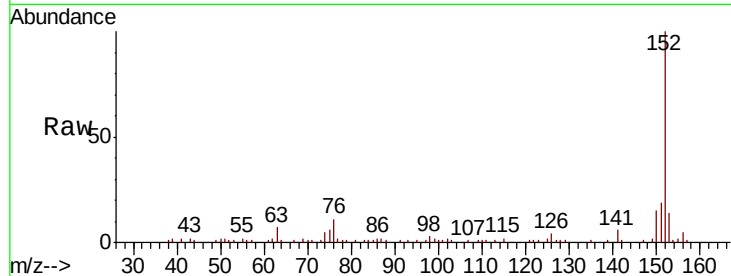
ClientSampleId :

SP-9

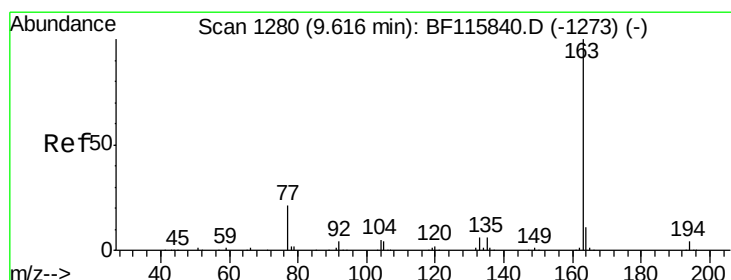
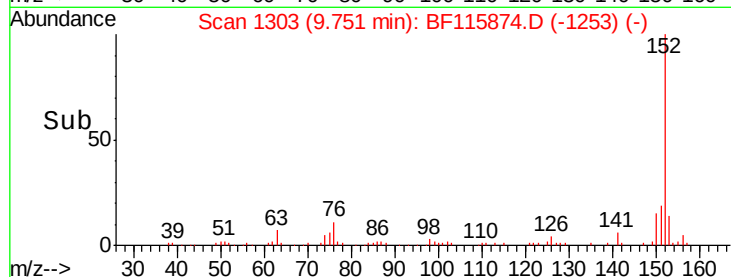
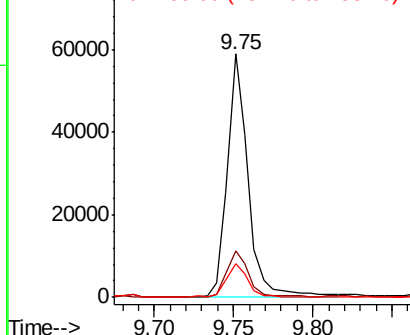
Tot Ion:	152	Resp:	53622
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.8	25.2
153	14.0	11.6	17.4

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



#50

Dimethylphthalate

Concen: 16.308 ng

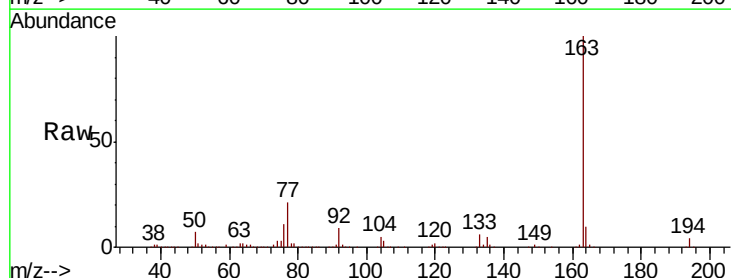
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

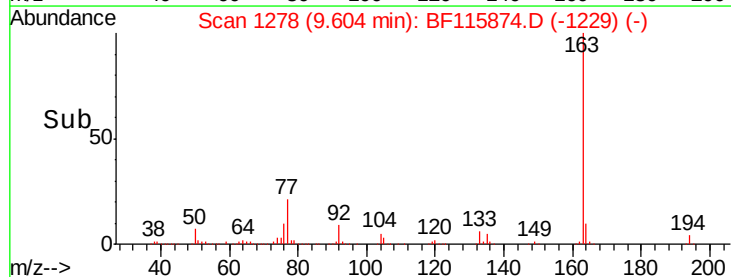
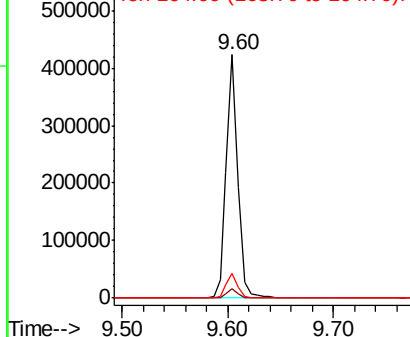
Lab File: BF115874.D

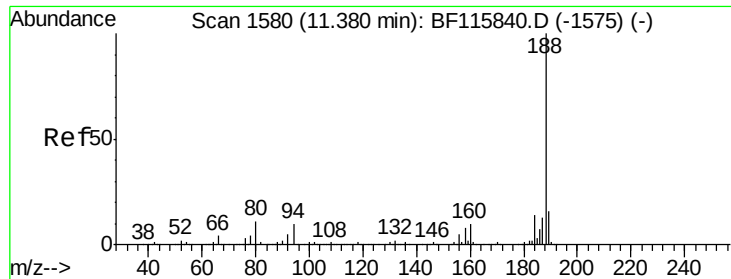
Acq: 31 Jul 2019 18:59

Tgt Ion:	163	Resp:	325080
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.1	8.4	12.6



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





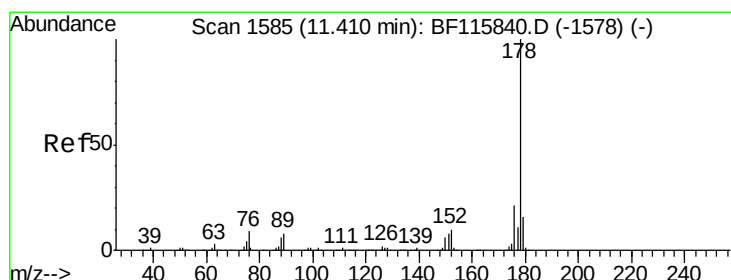
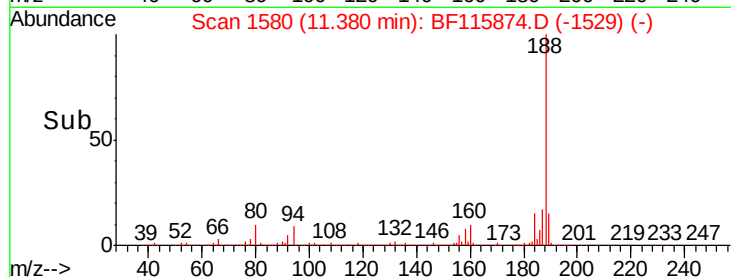
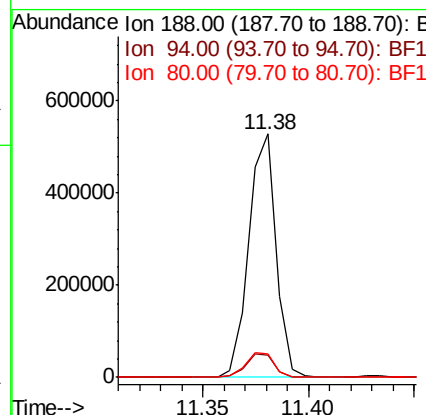
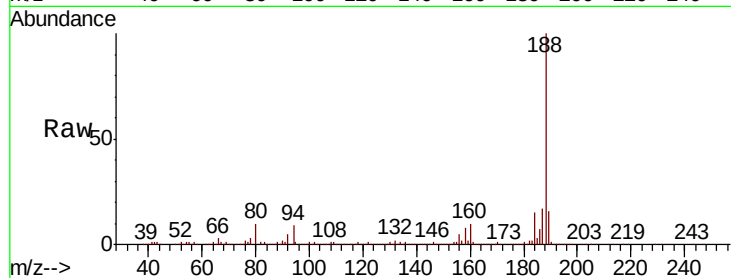
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.0	12.0
80	9.7	8.6	12.8

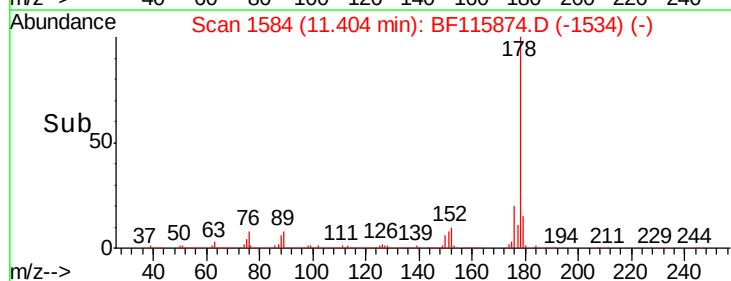
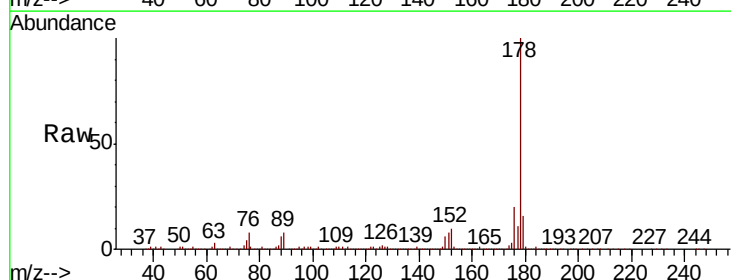
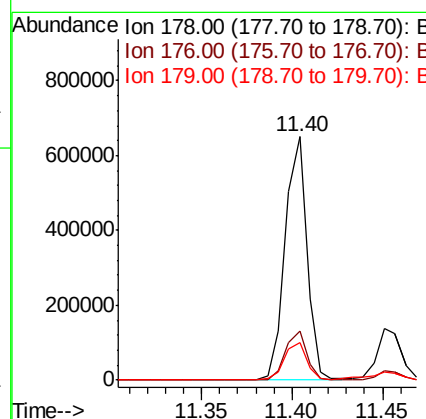
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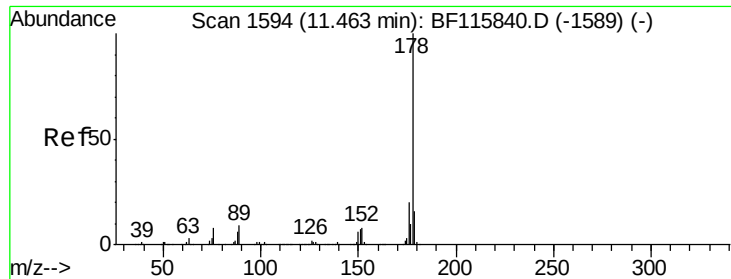
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#71
Phenanthrene
Concen: 22.534 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	16.5	24.7
179	15.6	12.6	18.8





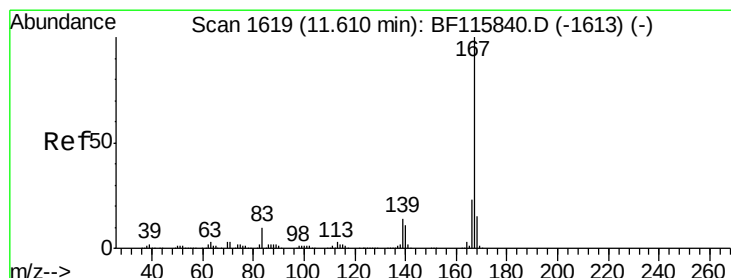
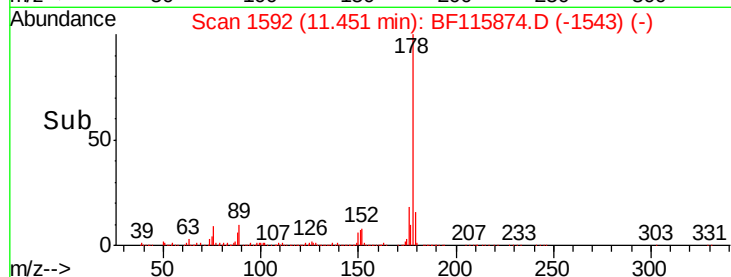
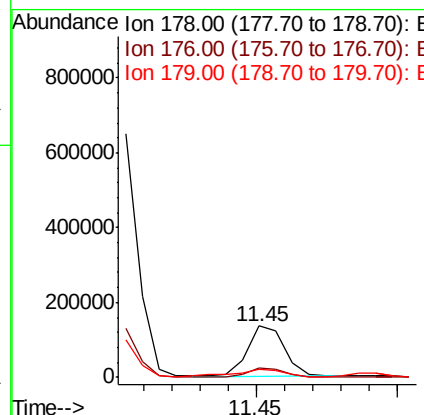
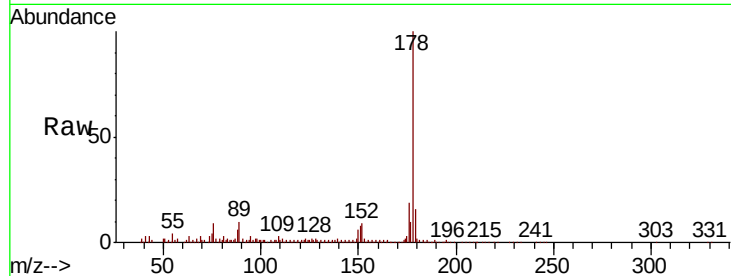
#72
 Anthracene
 Concen: 4.962 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF115874.D
 Acq: 31 Jul 2019 18:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	16.3	12.4	18.6

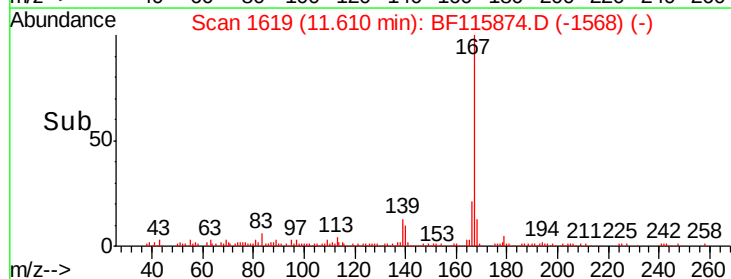
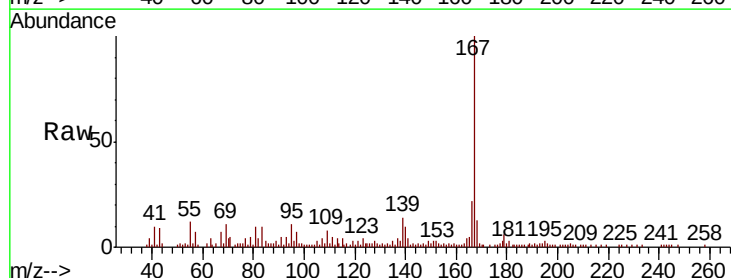
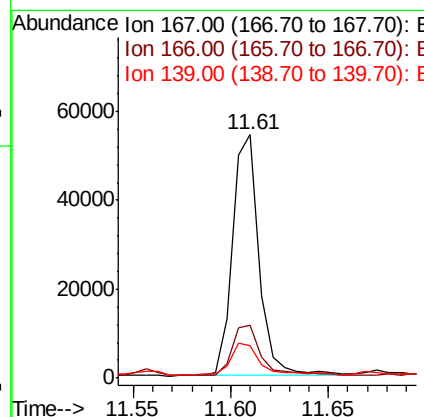
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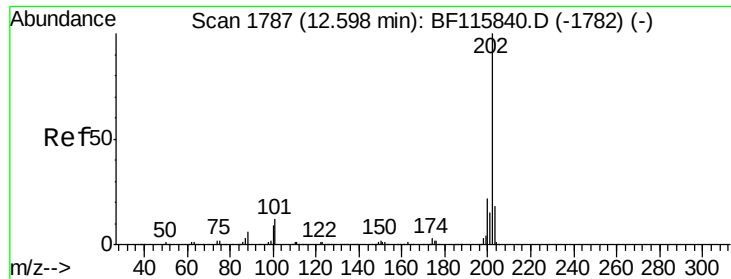
mohammad
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#73
 Carbazole
 Concen: 2.315 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115874.D
 Acq: 31 Jul 2019 18:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.0	27.0
139	13.5	11.4	17.2





#75

Fluoranthene

Concen: 39.514 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

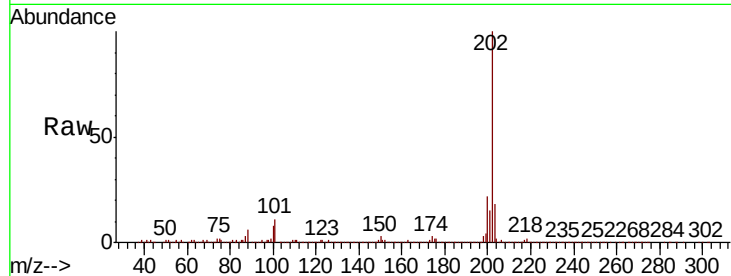
ClientSampleId :

SP-9

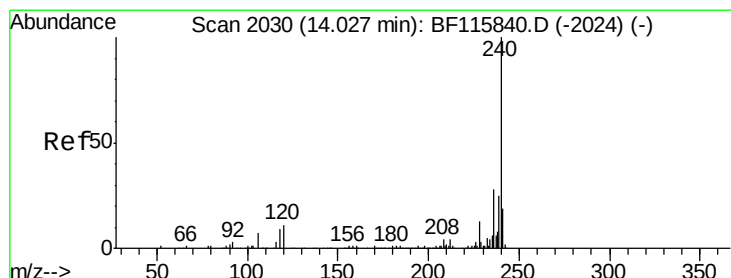
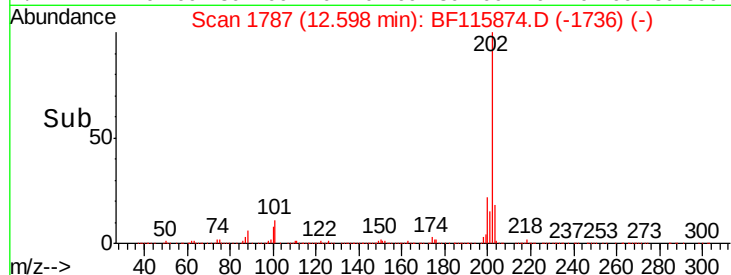
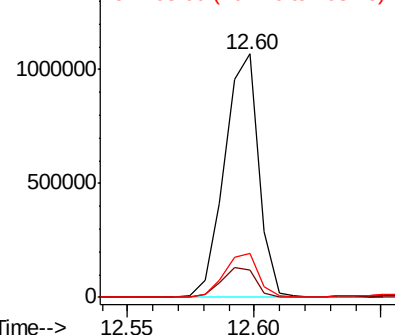
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		998970		
101	11.4	0.0	31.5		
203	17.8	0.0	37.9		

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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

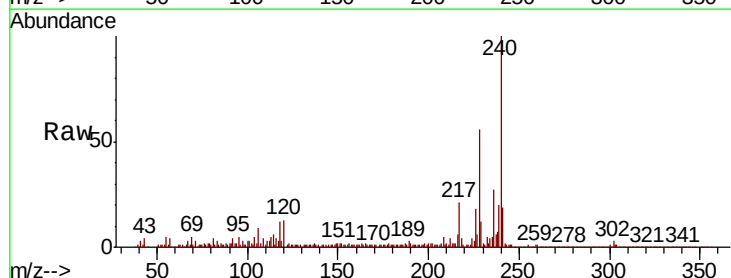
RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

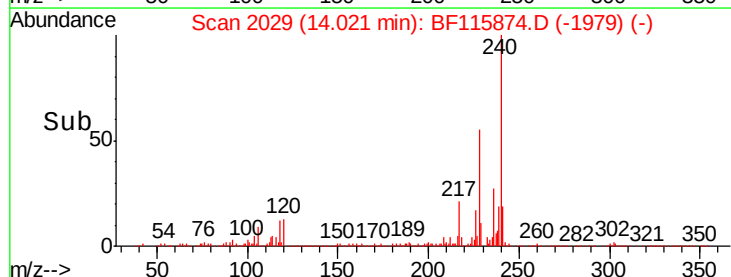
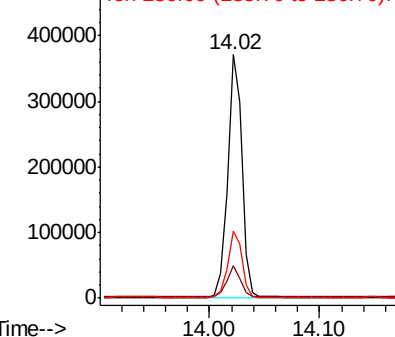
Lab File: BF115874.D

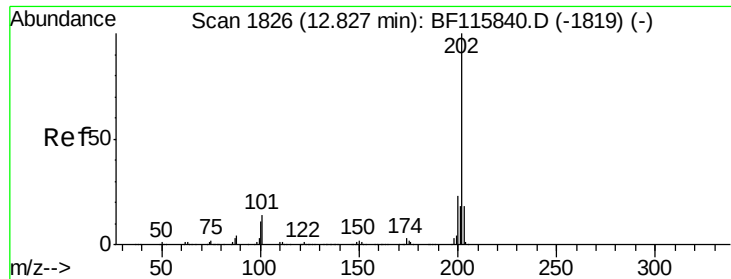
Acq: 31 Jul 2019 18:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		336202		
120	13.1	8.5	12.7#		
236	27.4	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: 37.304 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

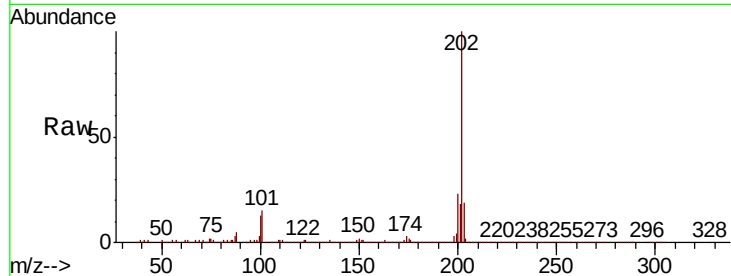
ClientSampleId :

SP-9

Tot Ion:	202	Resp:	945413
Ion Ratio	Lower	Upper	
202	100		
200	22.6	18.2	27.2
203	18.7	14.3	21.5

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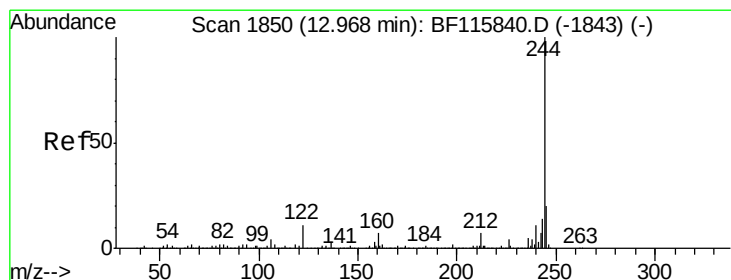
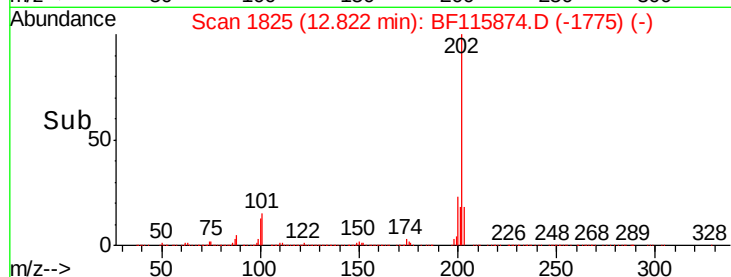
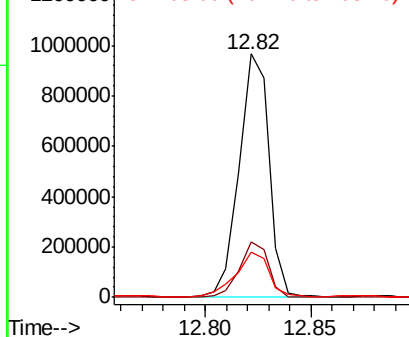


Abundance

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: 71.502 ng

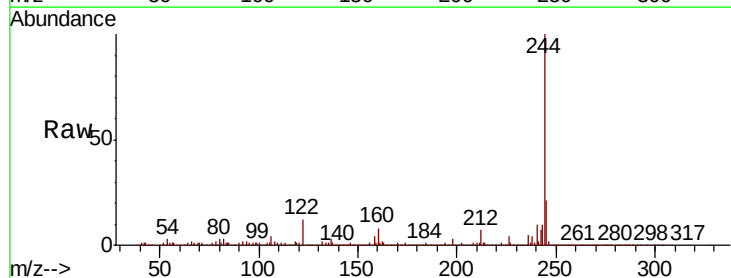
RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Tgt Ion:	244	Resp:	1140820
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	12.4	8.6	13.0

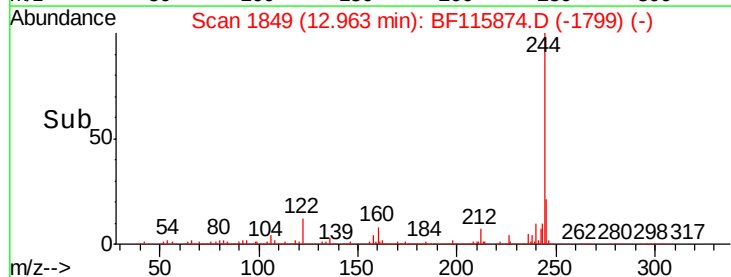
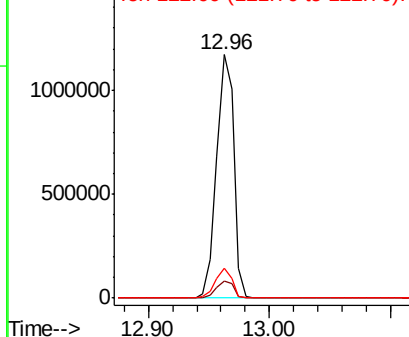


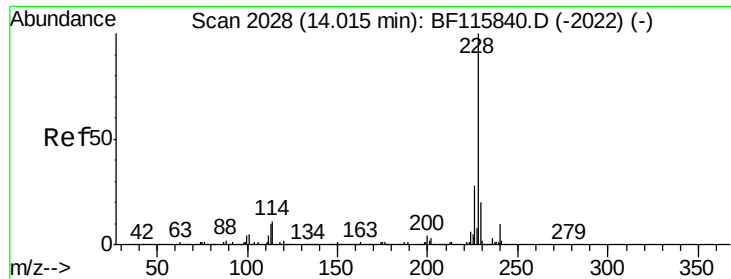
Abundance

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





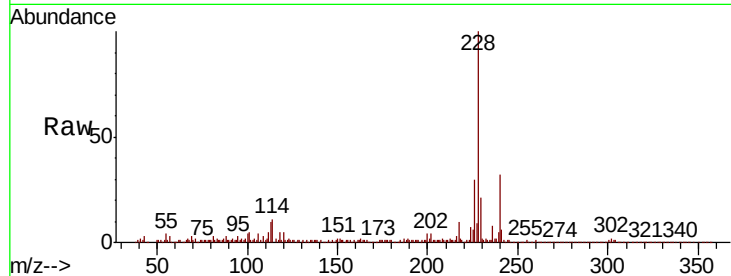
#81
Benzo(a)anthracene
Concen: 26.948 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.5	33.7
229	20.5	16.1	24.1

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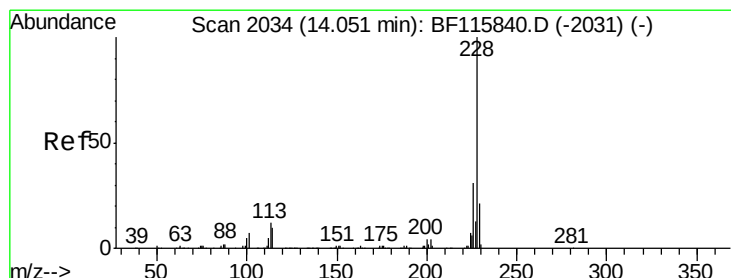
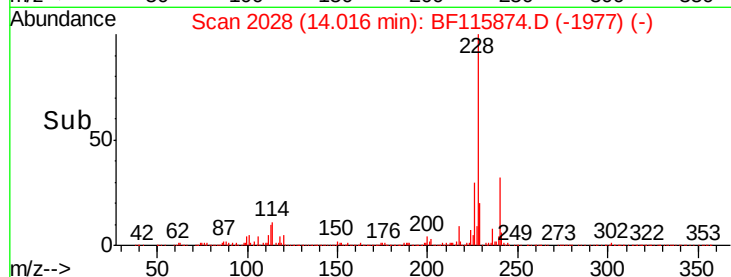
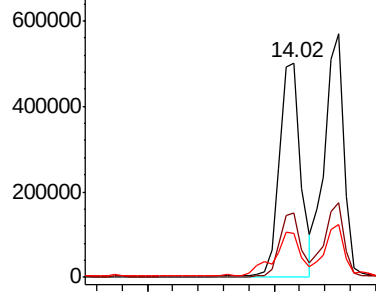


Abundance

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: 28.629 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

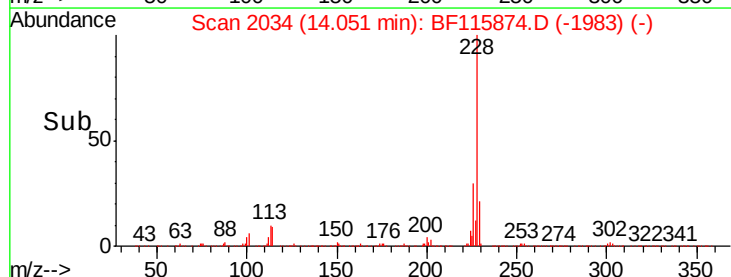
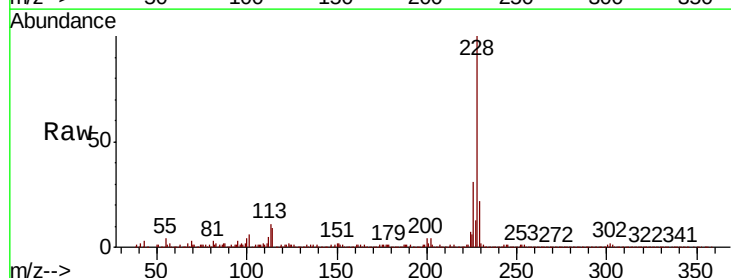
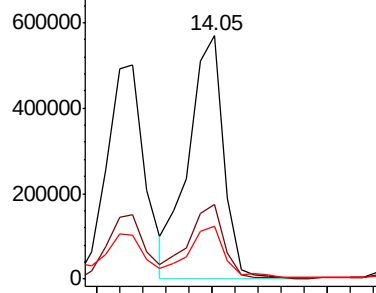
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	22.0	16.4	24.6

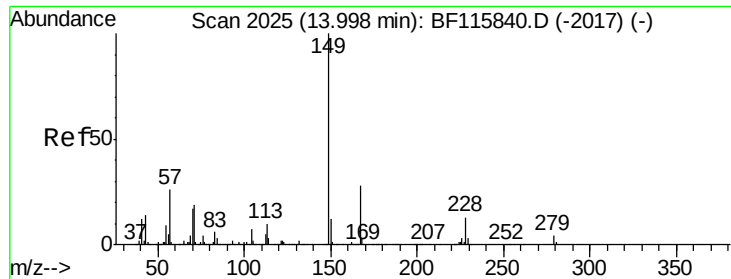
Abundance

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





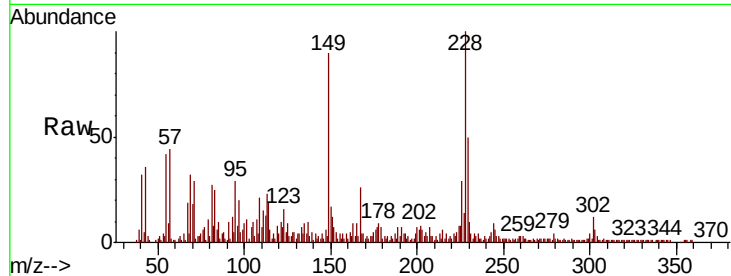
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.072 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.4	33.6
279	4.9	3.3	4.9#

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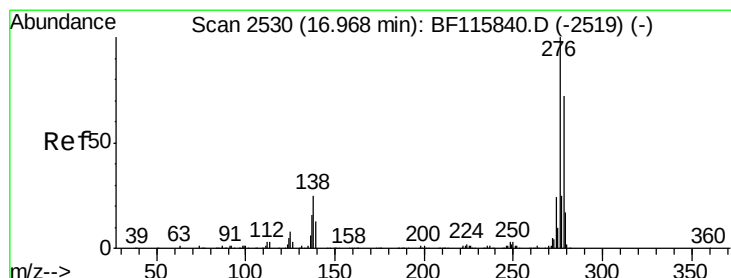
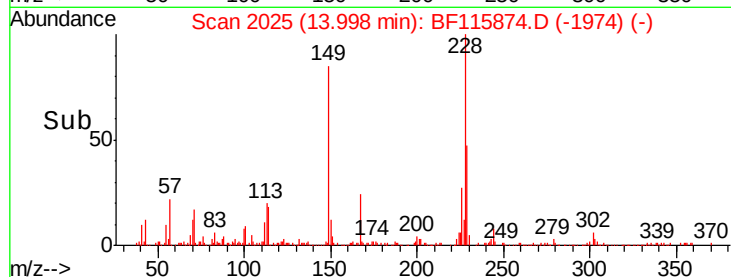
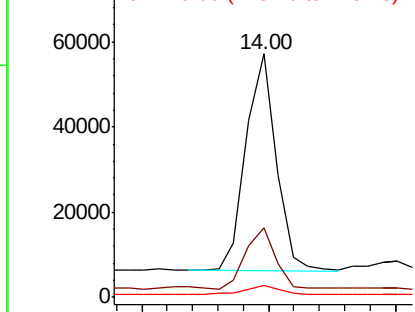


Abundance

Ion 149.00 (148.70 to 149.70): E

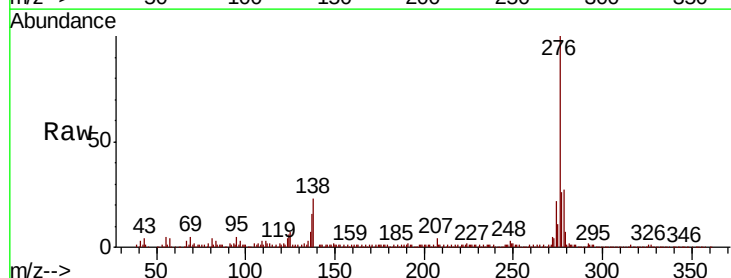
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 19.488 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BF115874.D
Acq: 31 Jul 2019 18:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.6	29.4
277	24.0	20.1	30.1

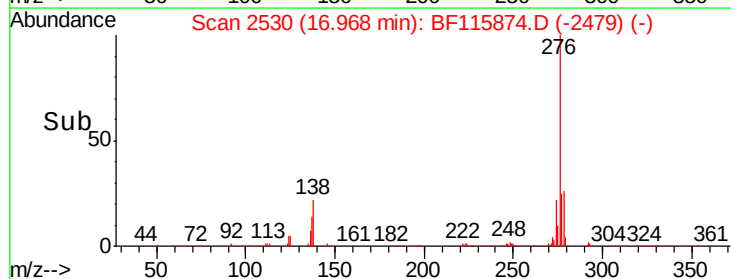
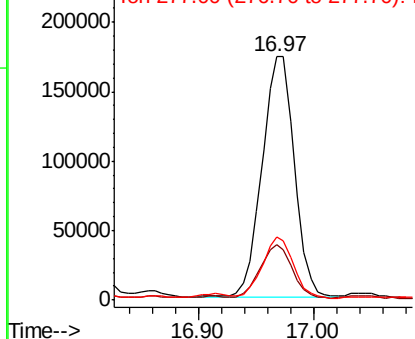


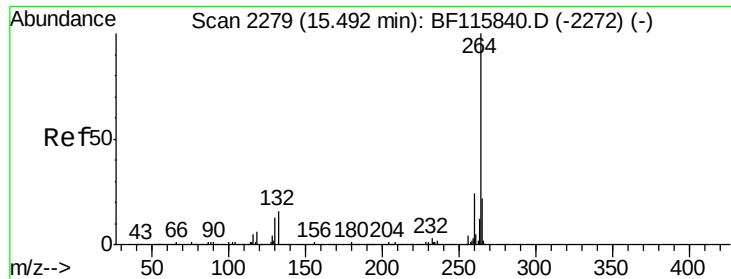
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

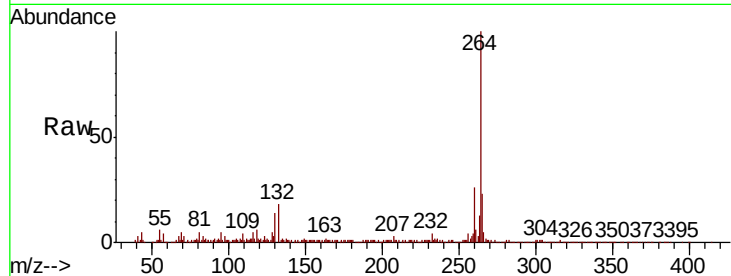
ClientSampleId :

SP-9

Tot Ion:	264	Resp:	398260
Ion Ratio	Lower	Upper	
264	100		
260	25.7	19.4	29.2
265	23.2	17.5	26.3

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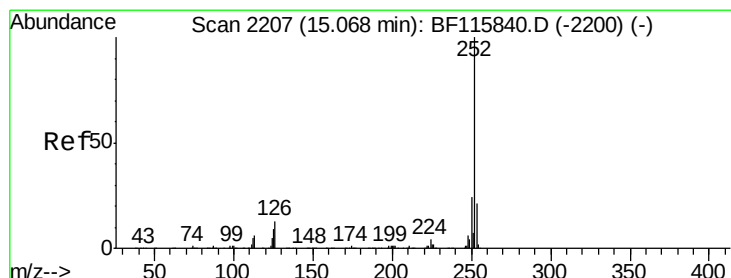
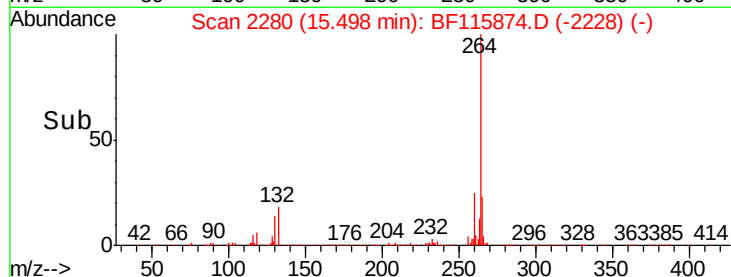
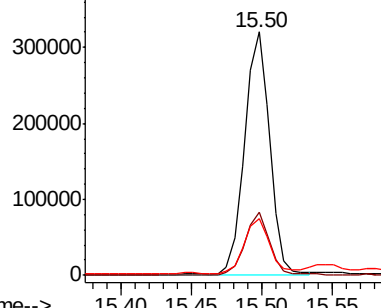


Abundance

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: 36.837 ng m

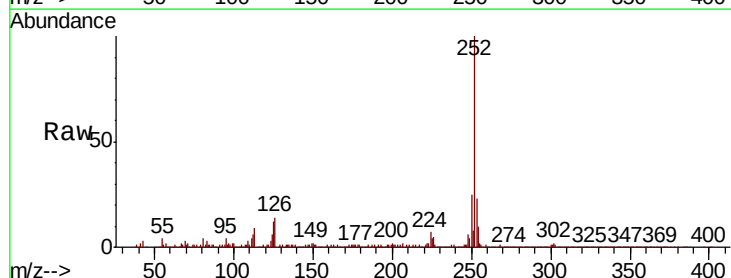
RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Tgt Ion:	252	Resp:	848273
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	12.1	7.4	11.0#

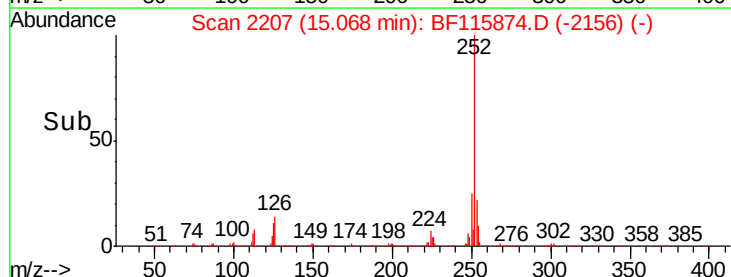
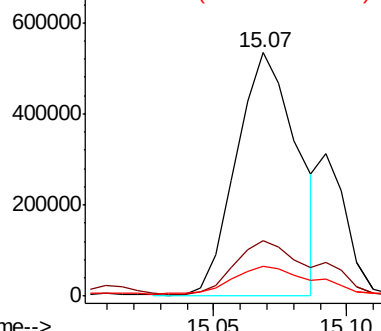


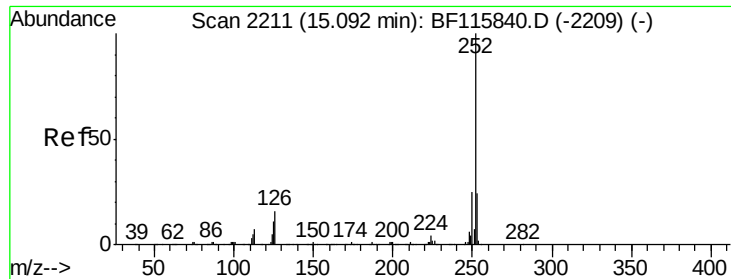
Abundance

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: 10.274 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

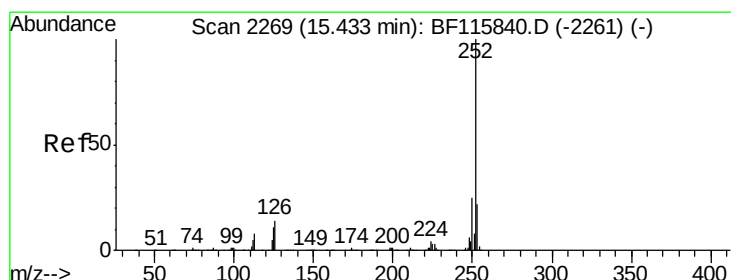
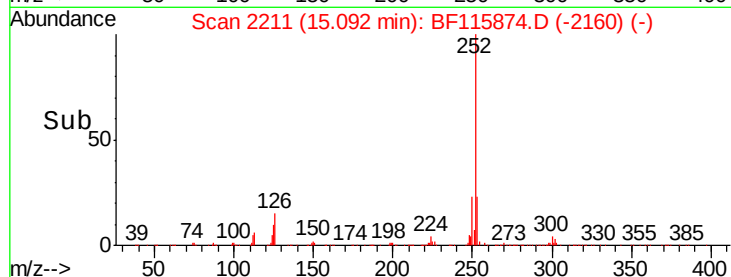
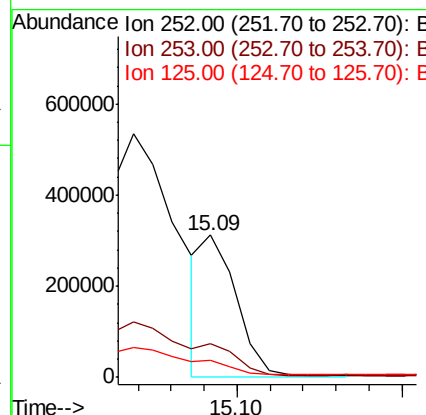
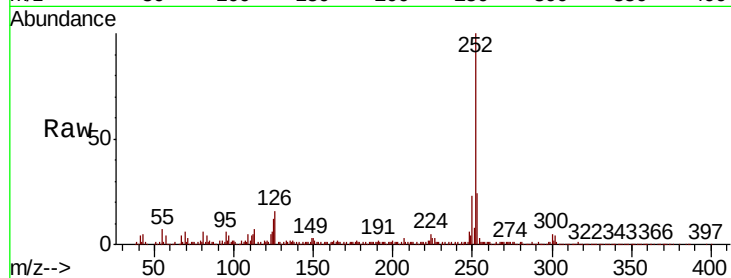
ClientSampled :

SP-9

Tot Ion:	252	Resp:	230431
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.4
125	11.9	8.9	13.3

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#90

Benzo(a)pyrene

Concen: 24.872 ng

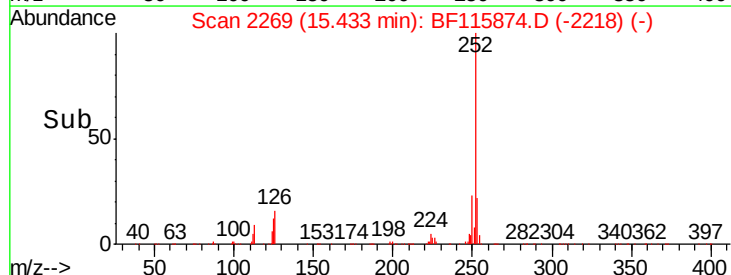
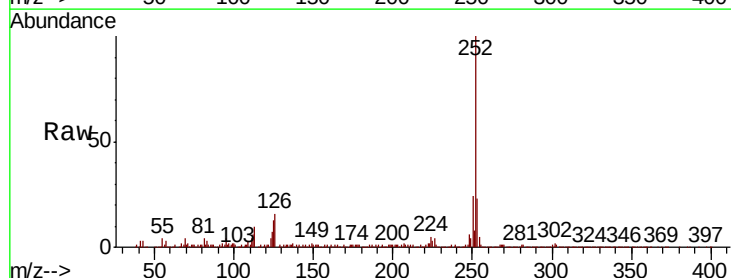
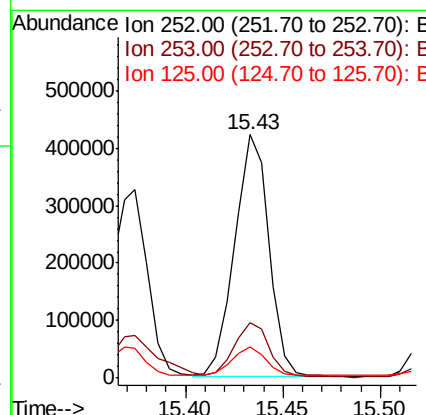
RT: 15.43 min Scan# 2269

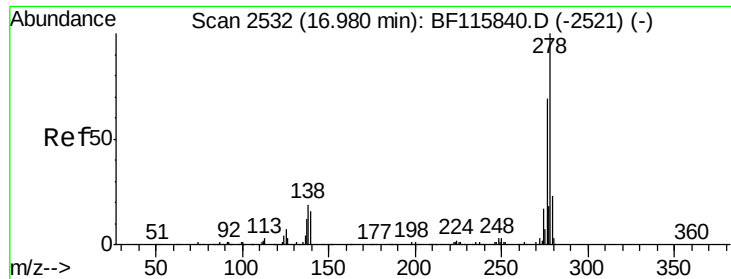
Delta R.T. 0.00 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Tgt Ion:	252	Resp:	511992
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	13.0	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 5.583 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Instrument :

BNA_F

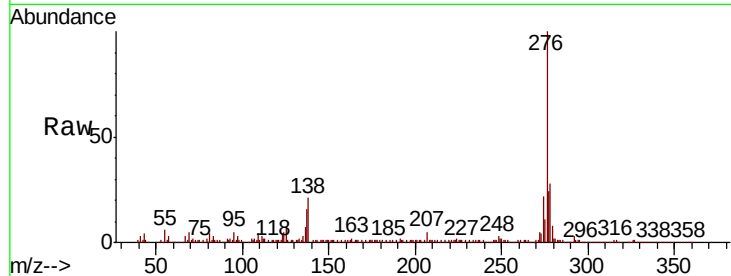
ClientSampleId :

SP-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0
279	27.7	18.8	28.2

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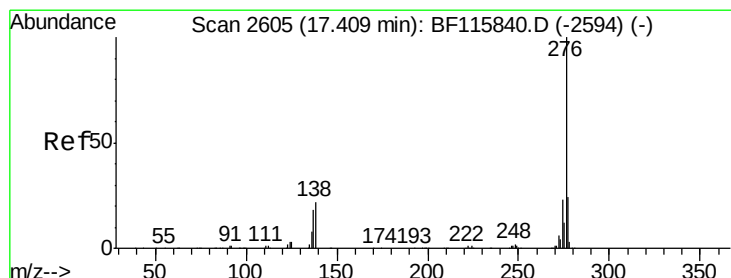
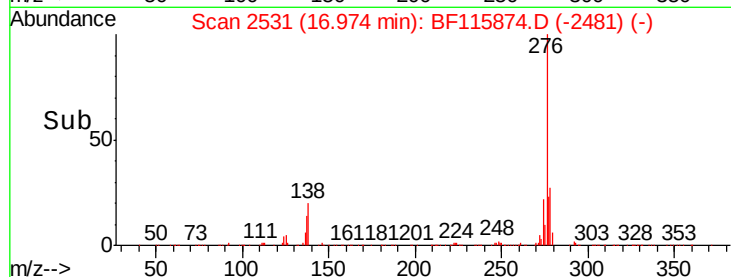
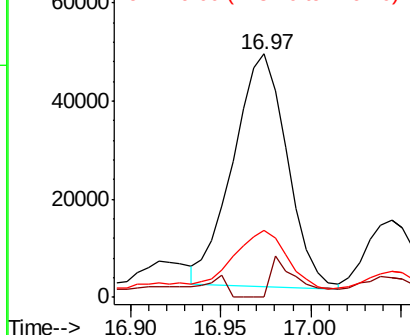


Abundance

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: 17.864 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BF115874.D

Acq: 31 Jul 2019 18:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.5	29.3
138	21.9	17.8	26.8

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

