

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115871.D
 Acq On : 31 Jul 2019 17:39
 Operator : HP/JU
 Sample : K4049-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-12

Manual Integrations
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 8/1/2019 5:06:41 PM

Quant Time: Aug 01 06:07:00 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	124930	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	472309	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	243706	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	410813	20.00	ng	0.00
76) Chrysene-d12	14.02	240	267298	20.00	ng	0.00
87) Perylene-d12	15.49	264	352927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	795056	106.54	ng	0.00
7) Phenol-d6	6.48	99	1050026	111.52	ng	0.00
23) Nitrobenzene-d5	7.41	82	649854	79.42	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	253627	107.34	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1058626	81.36	ng	0.00
79) Terphenyl-d14	12.96	244	917780	72.35	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	206499	12.444	ng	98
71) Phenanthrene	11.40	178	387512	18.452	ng	99
72) Anthracene	11.45	178	73750	3.470	ng	100
73) Carbazole	11.61	167	40726	2.112	ng	99
75) Fluoranthene	12.59	202	688322	31.306	ng	99
78) Pyrene	12.82	202	631062	31.319	ng	99
81) Benzo(a)anthracene	14.01	228	310571	18.178	ng	97
83) Chrysene	14.04	228	295172	17.796	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	235595	16.912	ng	95
88) Benzo(b)fluoranthene	15.06	252	458495m	22.468	ng	
89) Benzo(k)fluoranthene	15.09	252	122829m	6.180	ng	
90) Benzo(a)pyrene	15.43	252	302817	16.600	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	59077m	3.741	ng	
92) Benzo(g,h,i)perylene	17.40	276	231249	14.912	ng	97

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

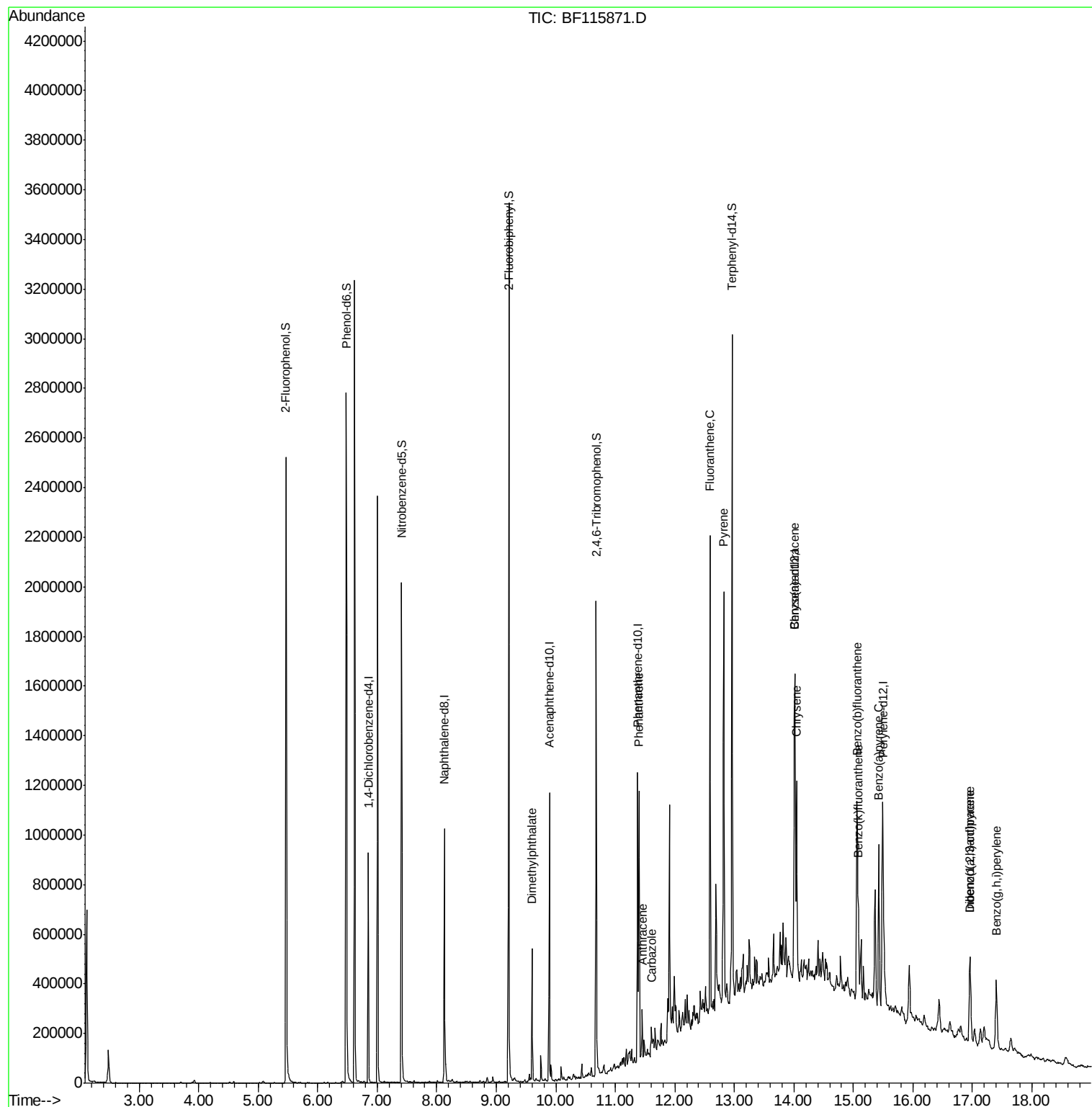
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115871.D
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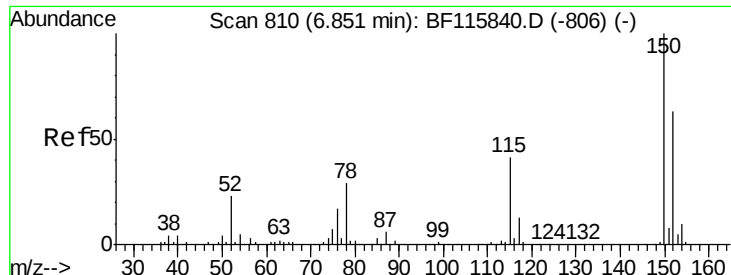
Instrument :
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ClientSampled :
SP-12

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

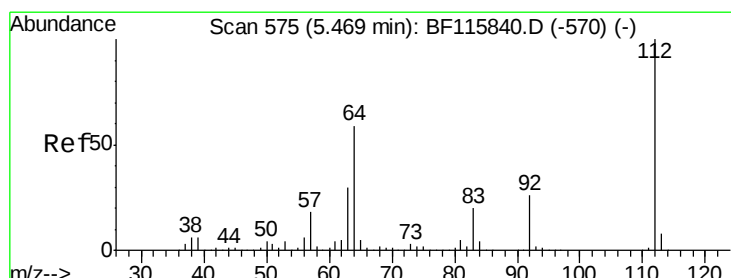
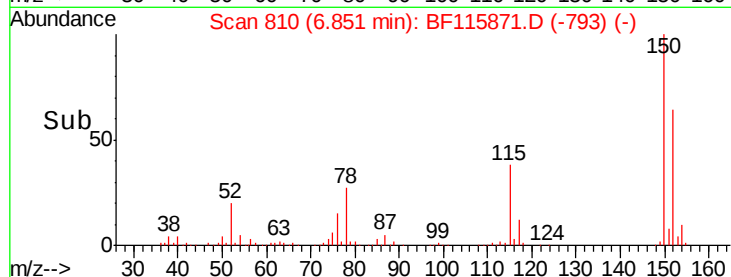
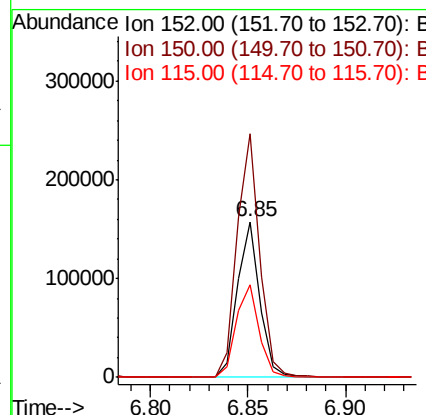
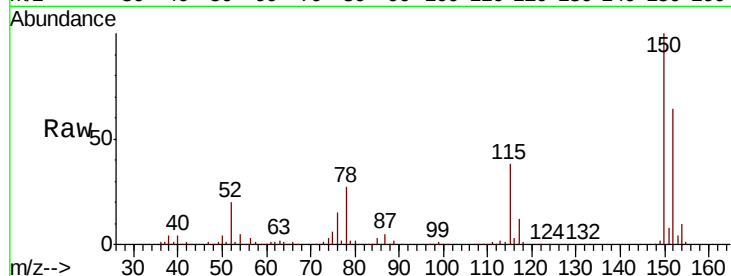
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampled :
SP-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.0
115	59.7	51.8	77.8

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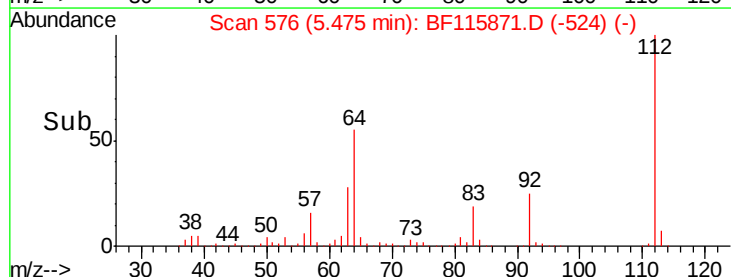
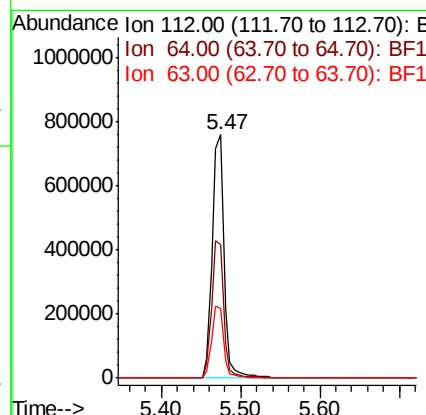
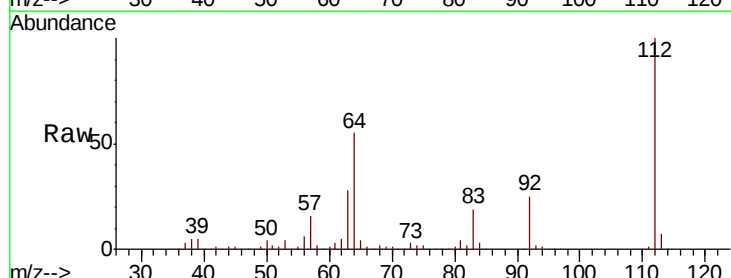
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#5

2-Fluorophenol
Concen: 106.537 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.8	70.2
63	28.5	24.2	36.2





#7

Phenol-d6

Concen: 111.521 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115871.D

Acq: 31 Jul 2019 17:39

Instrument :

BNA_F

ClientSampled :

SP-12

Tot Ion: 99 Resp: 1050026

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.6

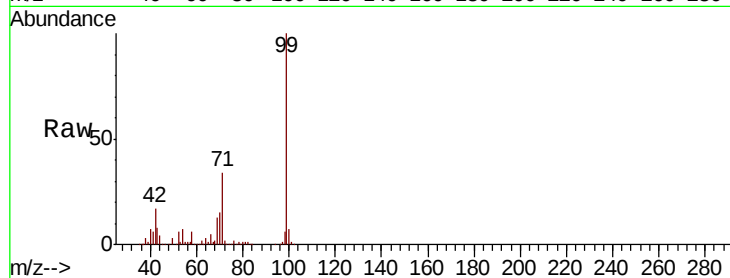
71 34.1 27.1 40.7

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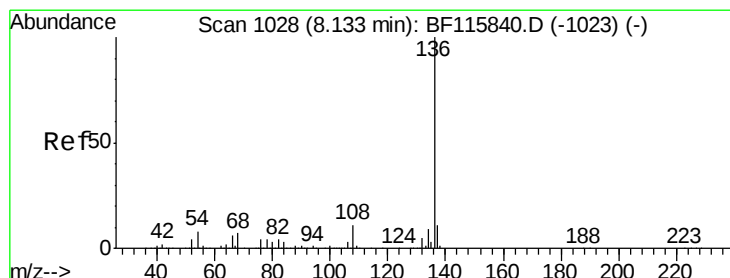
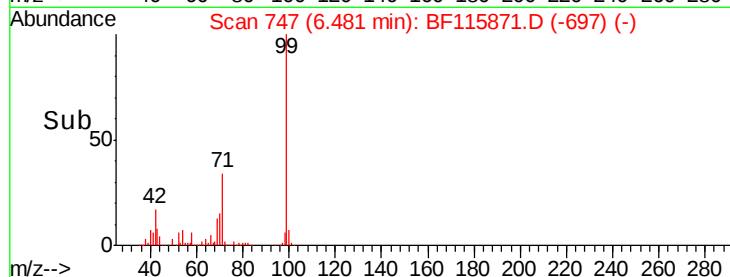
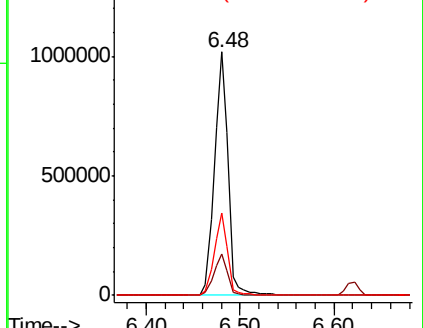
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF115871.D

Acq: 31 Jul 2019 17:39

Tgt Ion: 136 Resp: 472309

Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.7 6.1 9.1

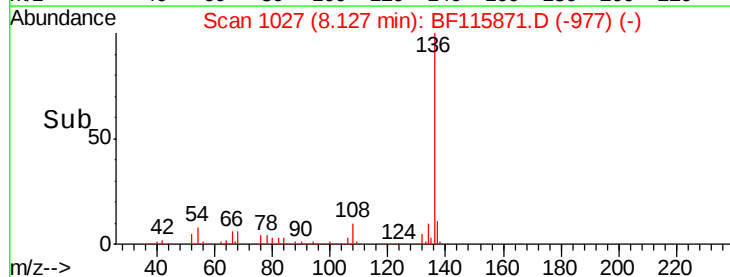
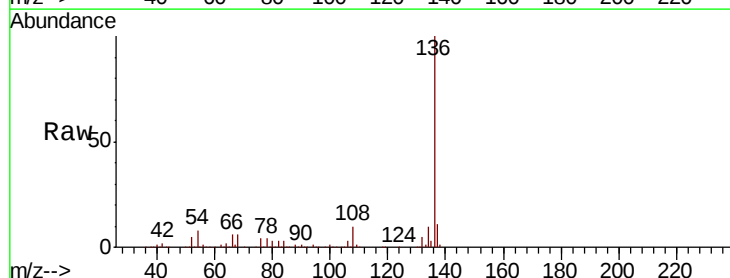
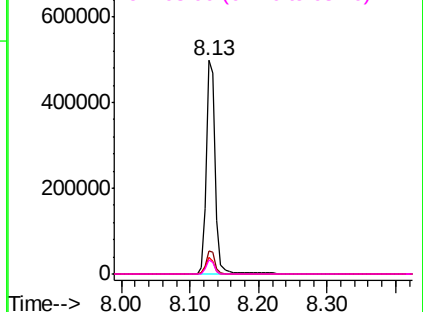
68 6.3 5.4 8.2

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





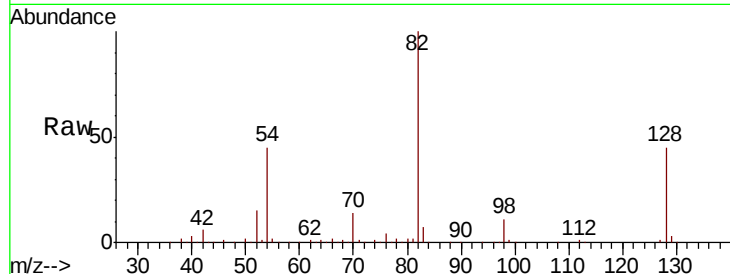
#23
 Nitrobenzene-d5
 Concen: 79.422 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115871.D
 Acq: 31 Jul 2019 17:39

Instrument :
 BNA_F
 ClientSampled :
 SP-12

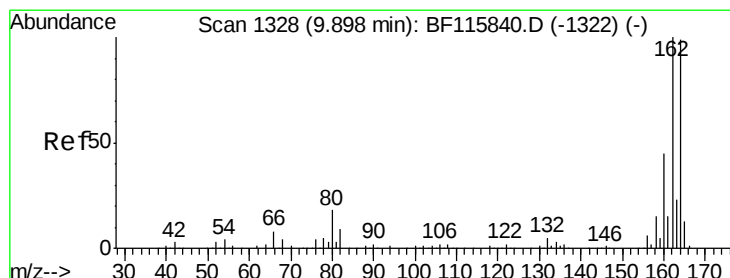
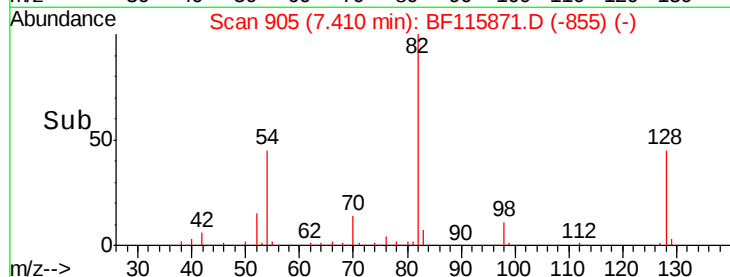
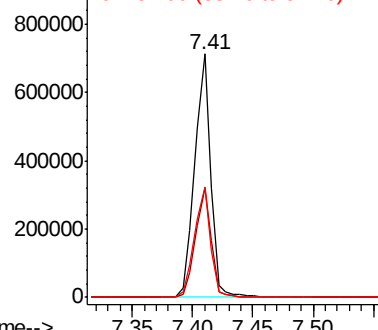
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.6	55.0
54	45.4	36.6	55.0

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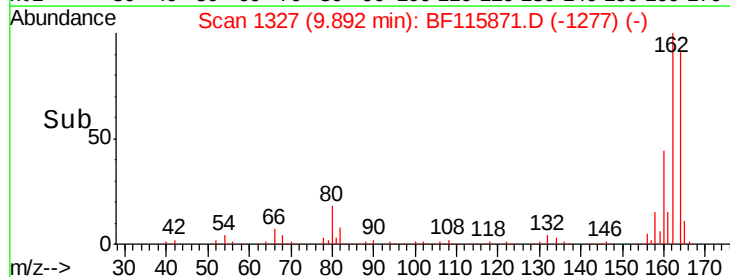
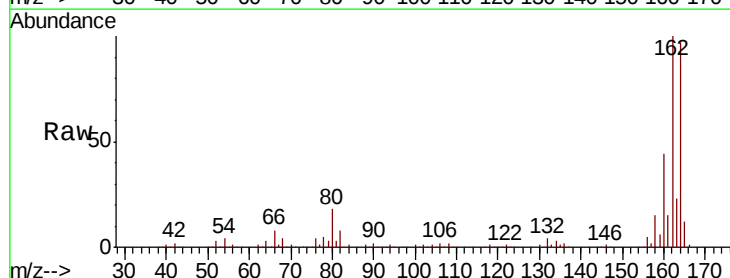
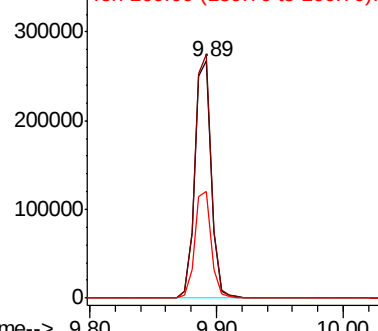
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115871.D
 Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.8	121.2
160	45.3	36.2	54.4

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: 107.342 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115871.D

Acq: 31 Jul 2019 17:39

Instrument :

BNA_F

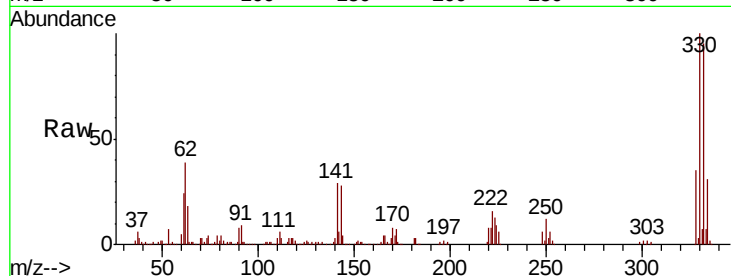
ClientSampled :

SP-12

Tot Ion	Ratio	Resp	Lower	Upper
330	100	253627		
332	95.4	77.7	116.5	
141	34.4	28.1	42.1	

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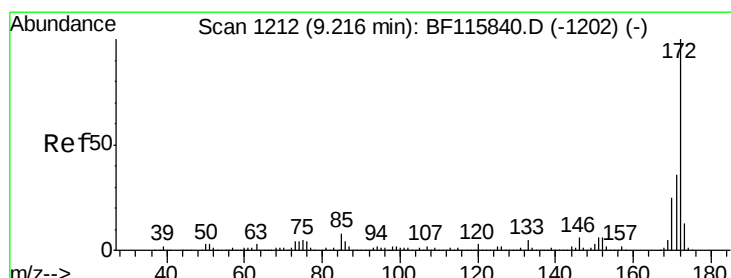
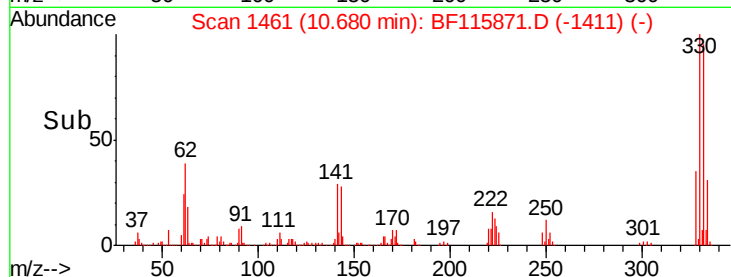
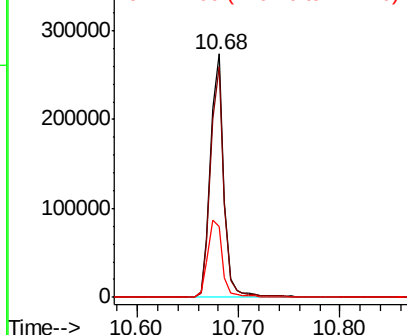


Abundance

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: 81.364 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115871.D

Acq: 31 Jul 2019 17:39

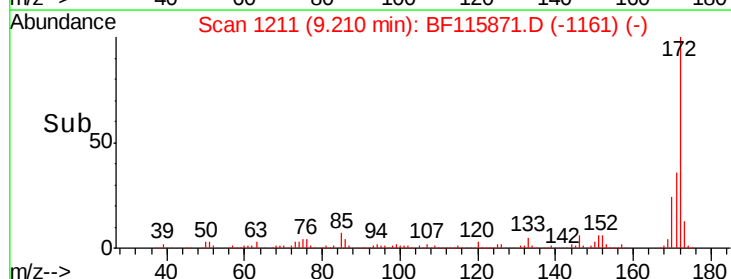
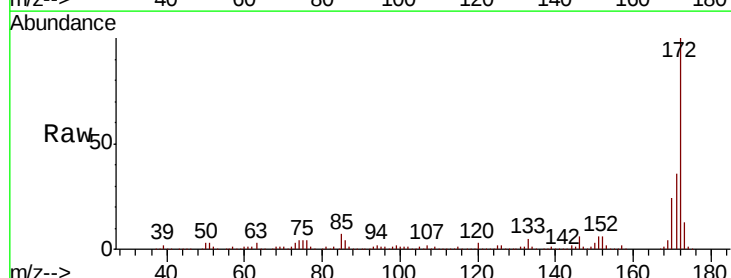
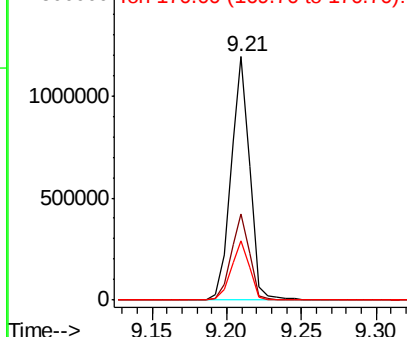
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1058626		
171	35.6	29.1	43.7	
170	24.4	20.1	30.1	

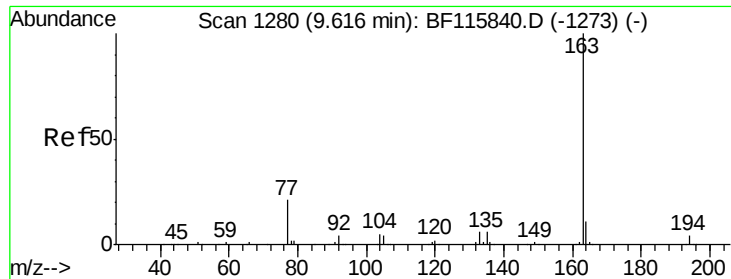
Abundance

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





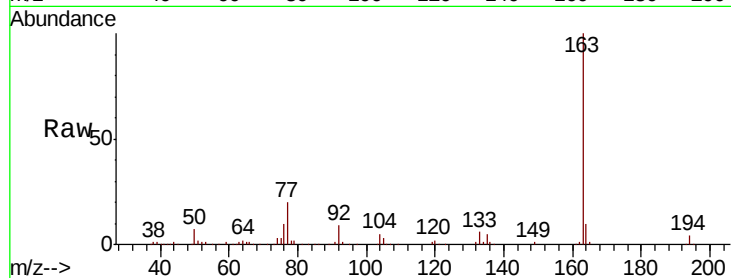
#50
Dimethylphthalate
Concen: 12.444 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	9.7	8.4	12.6

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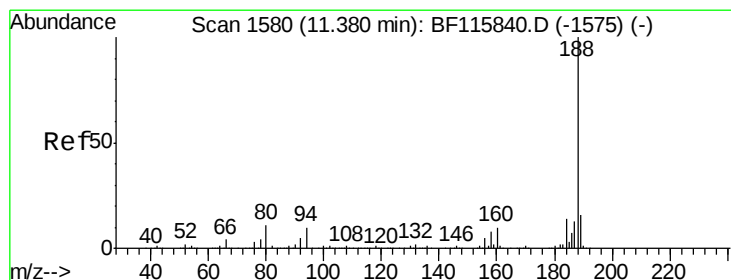
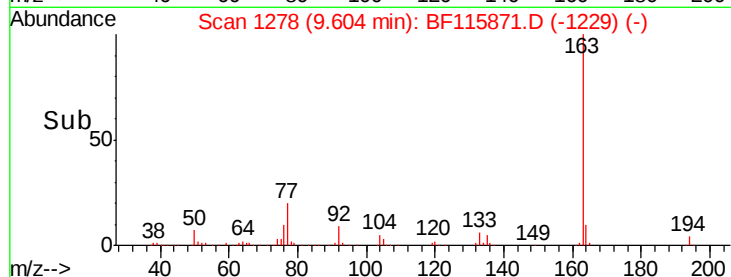
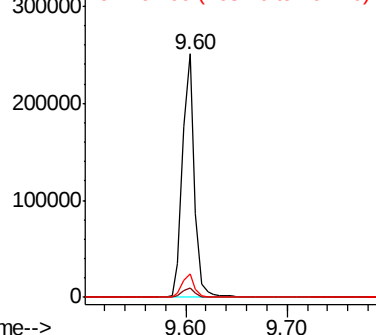


Abundance

Ion 163.00 (162.70 to 163.70): E

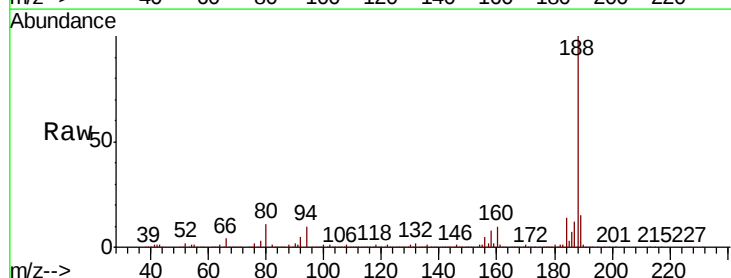
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.8	8.6	12.8

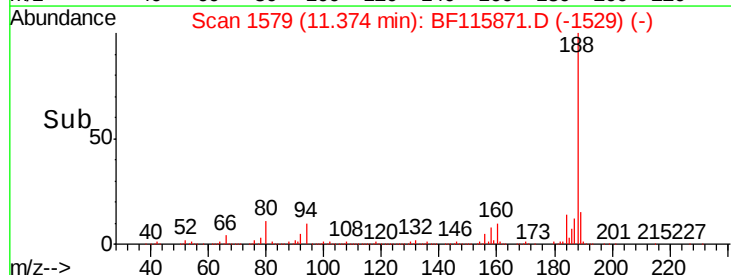
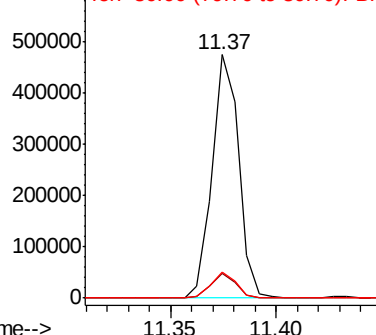


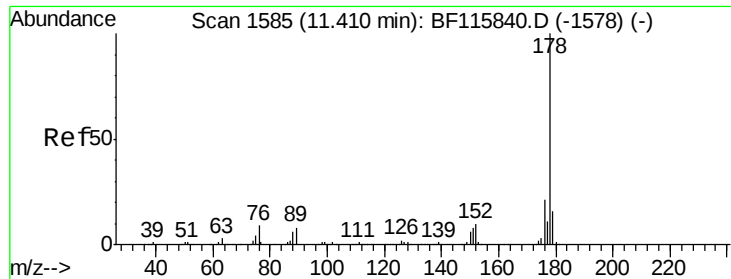
Abundance

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





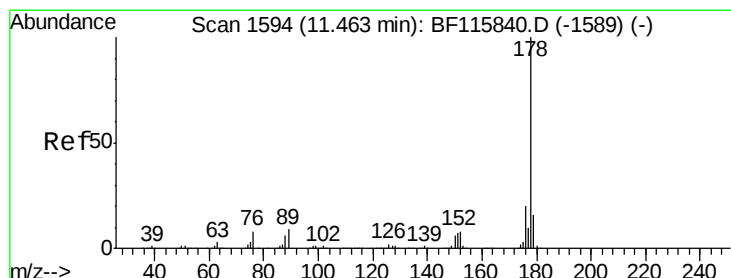
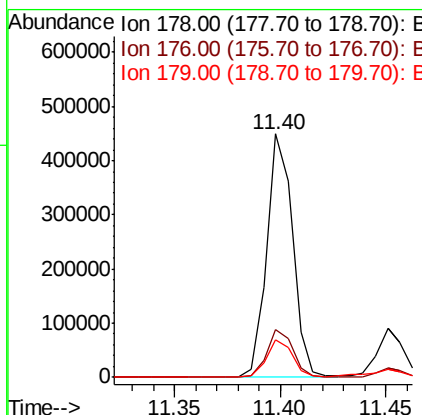
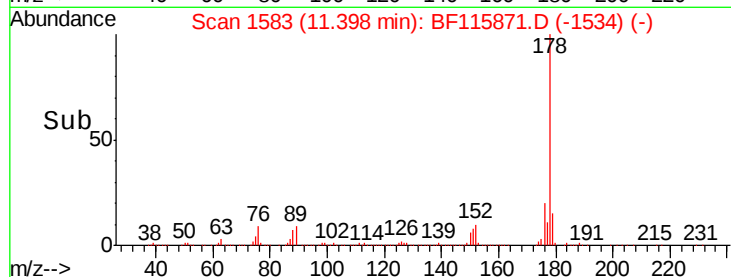
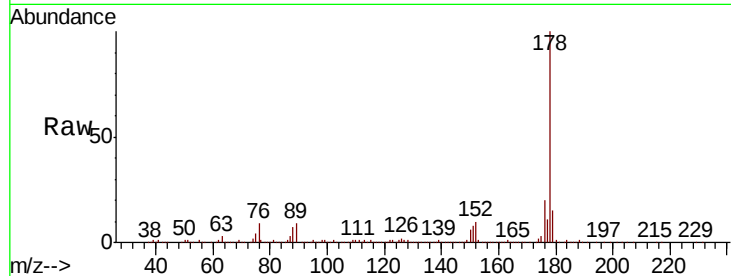
#71
Phenanthrene
Concen: 18.452 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.5	24.7
179	15.4	12.6	18.8

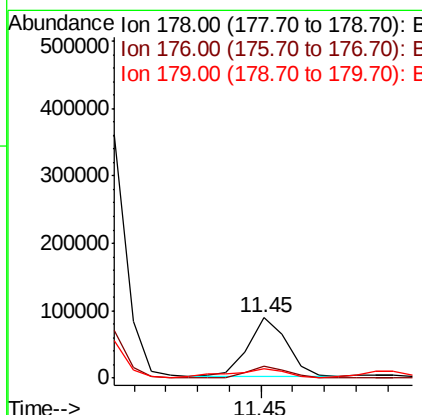
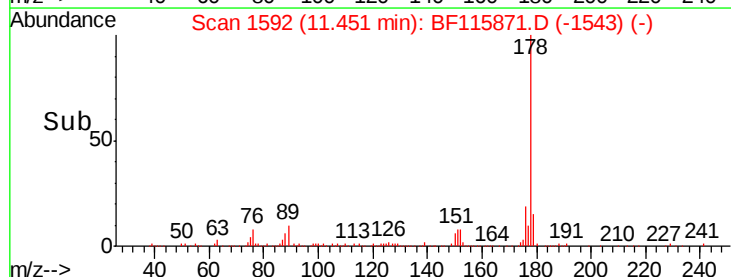
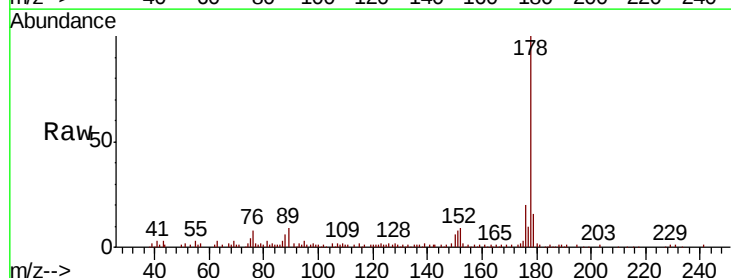
Manual Integrations
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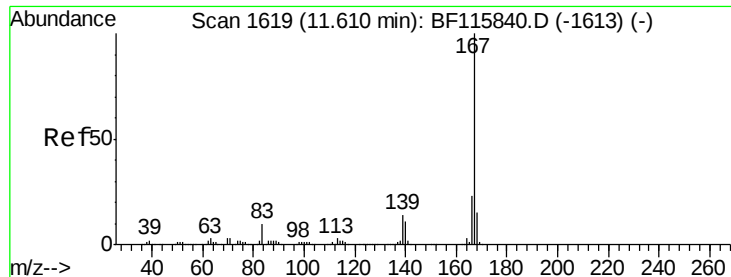
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#72
Anthracene
Concen: 3.470 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.9	12.4	18.6





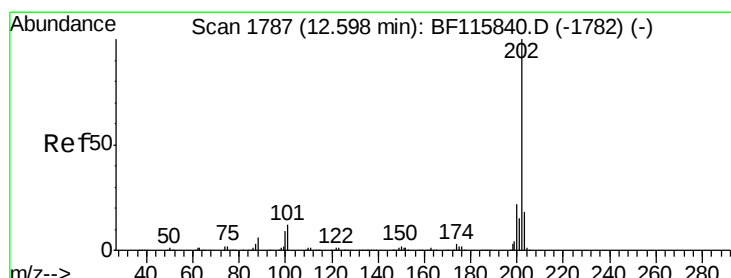
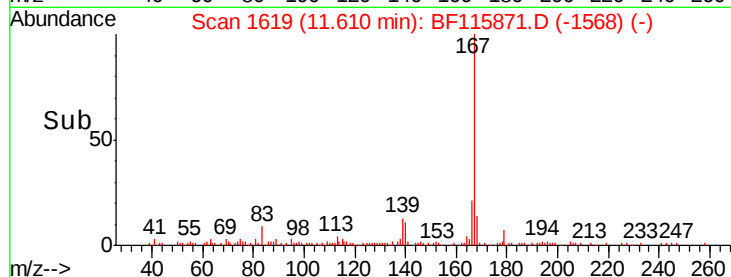
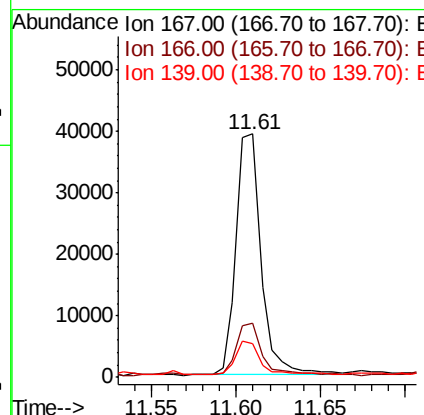
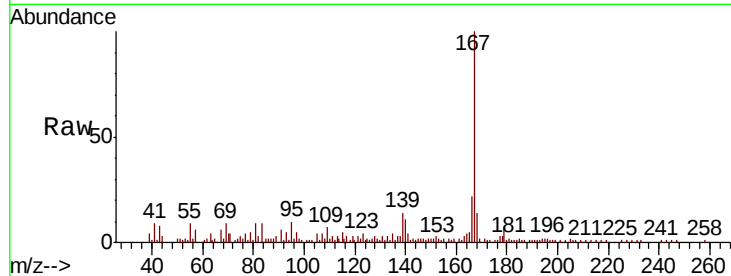
#73
 Carbazole
 Concen: 2.112 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BF115871.D
 Acq: 31 Jul 2019 17:39

Instrument :
 BNA_F
 ClientSampled :
 SP-12

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.0	27.0
139	13.6	11.4	17.2

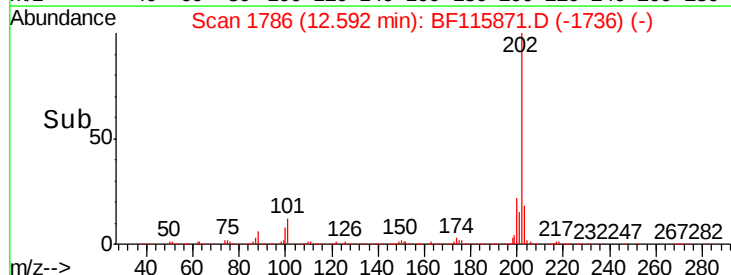
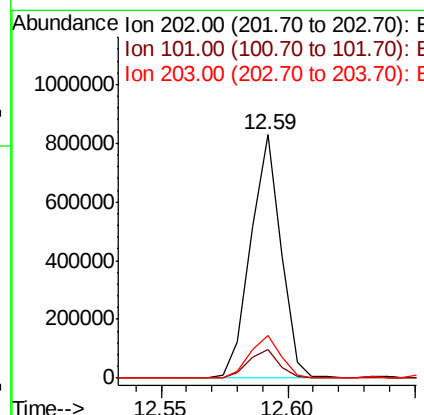
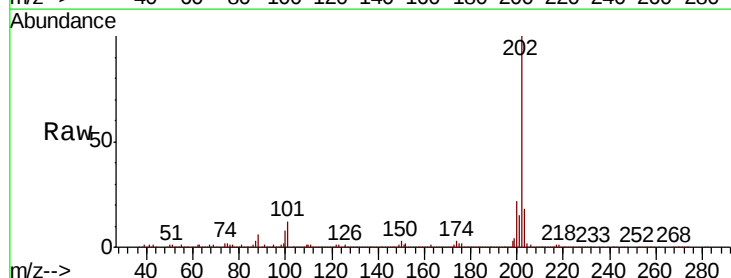
Manual Integrations
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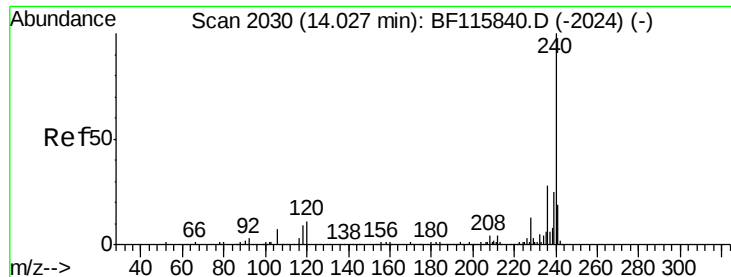
mohammad
 8/1/2019 5:06:41 PM



#75
 Fluoranthene
 Concen: 31.306 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF115871.D
 Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.5
203	17.8	0.0	37.9





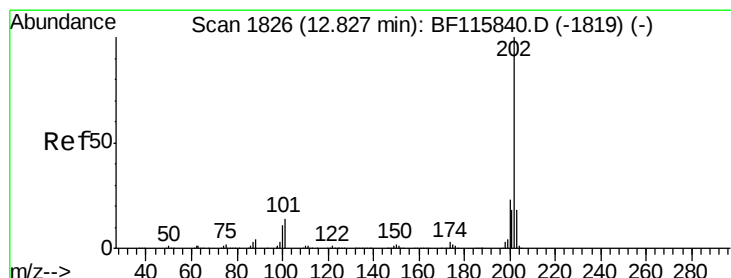
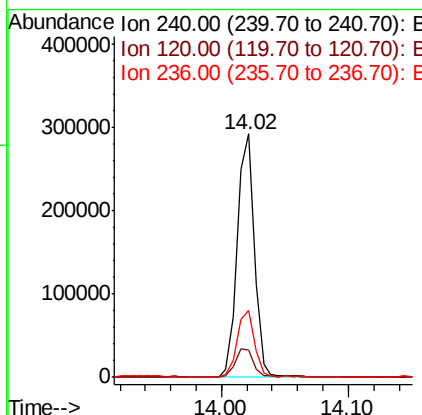
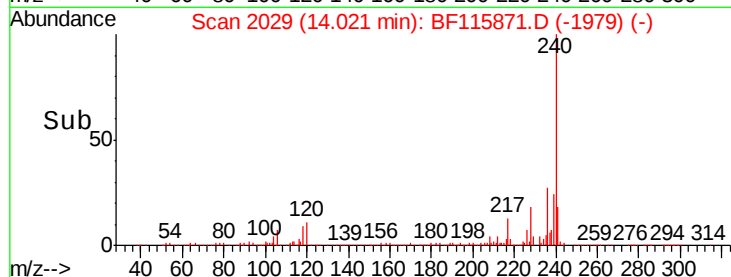
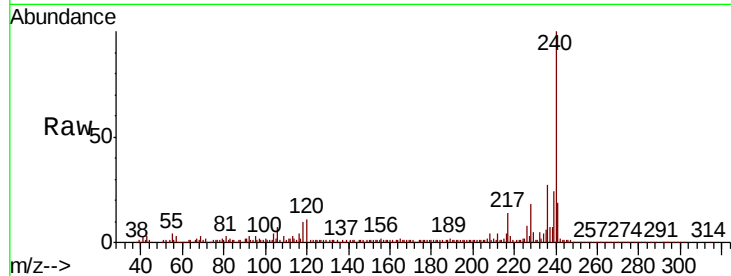
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.5	12.7
236	27.3	22.2	33.2

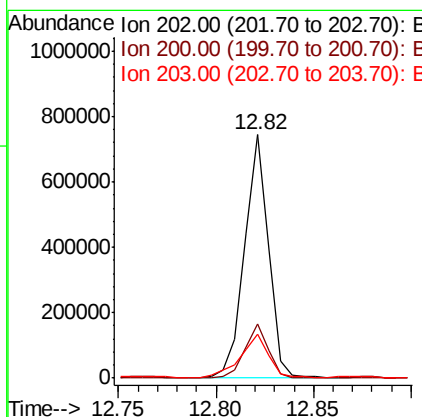
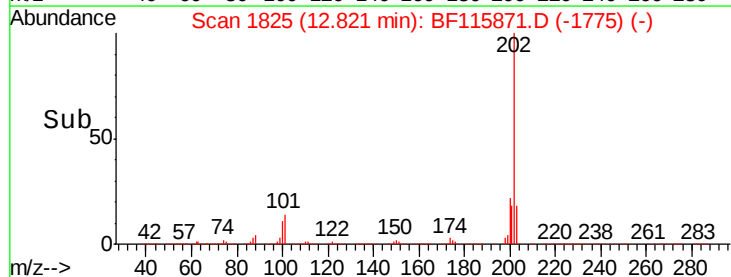
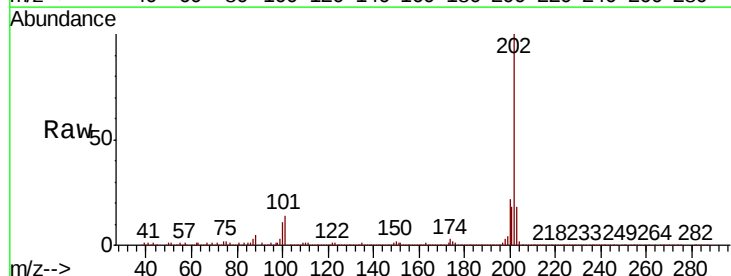
Manual Integrations
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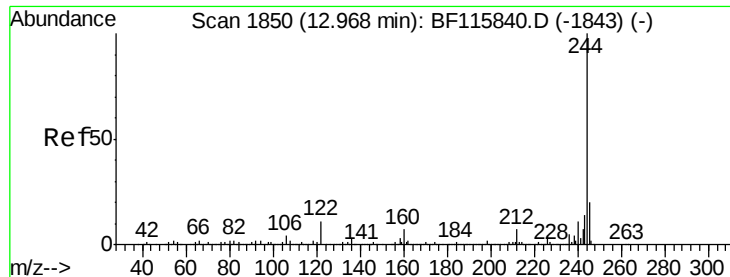
mohammad
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#78
Pyrene
Concen: 31.319 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.2	27.2
203	18.1	14.3	21.5





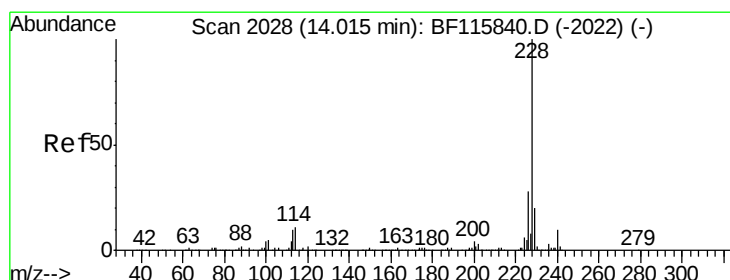
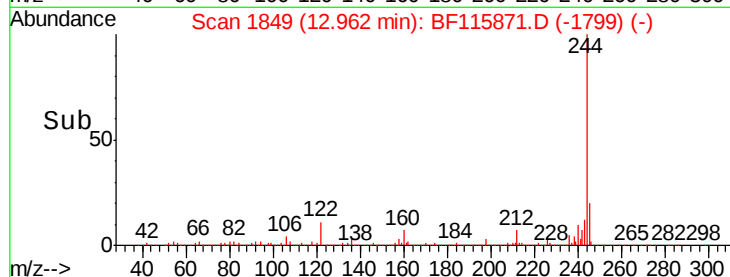
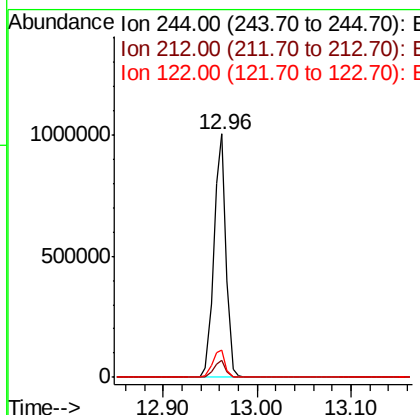
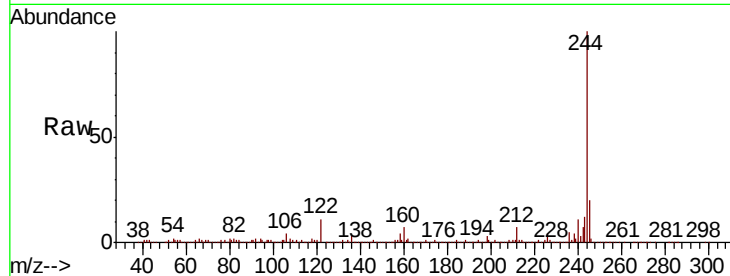
#79
 Terphenyl-d14
 Concen: 72.350 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115871.D
 Acq: 31 Jul 2019 17:39

Instrument :
 BNA_F
 ClientSampled :
 SP-12

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.2	8.6	13.0

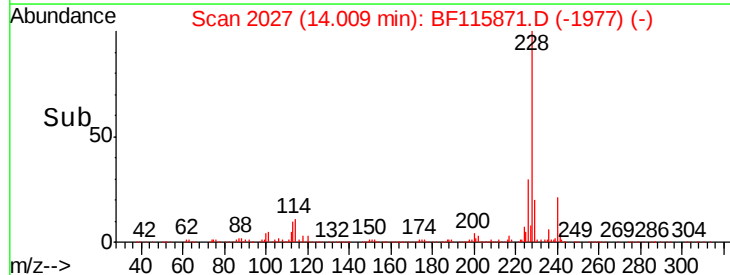
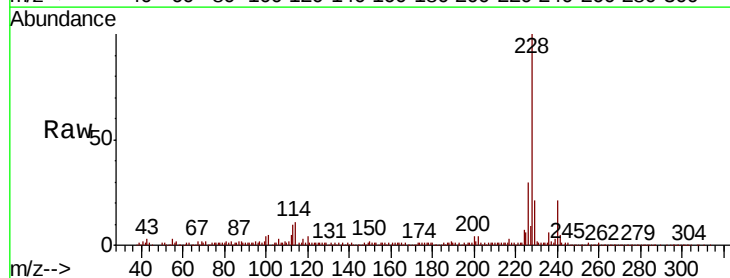
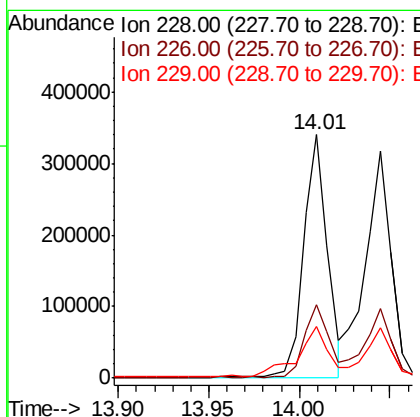
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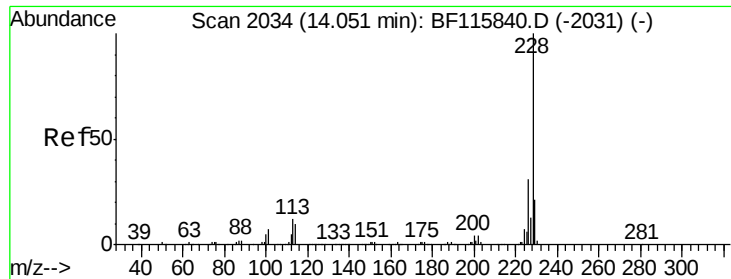
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#81
 Benzo(a)anthracene
 Concen: 18.178 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF115871.D
 Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.5	33.7
229	21.2	16.1	24.1





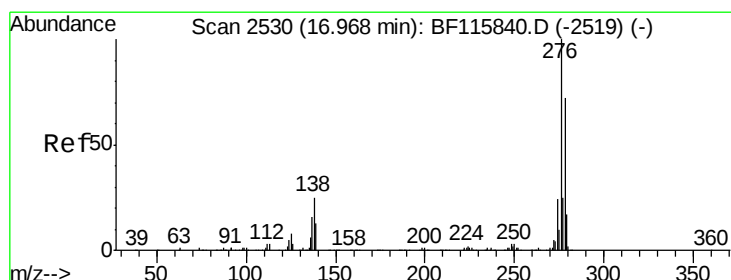
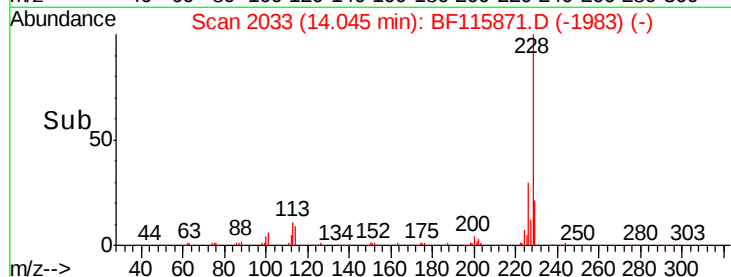
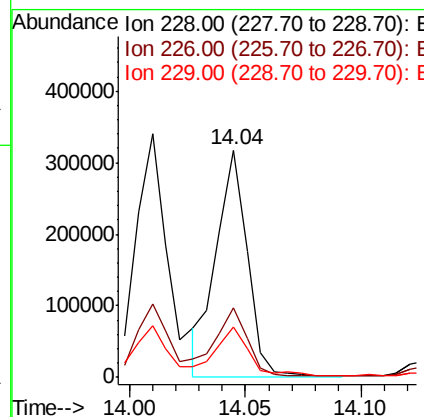
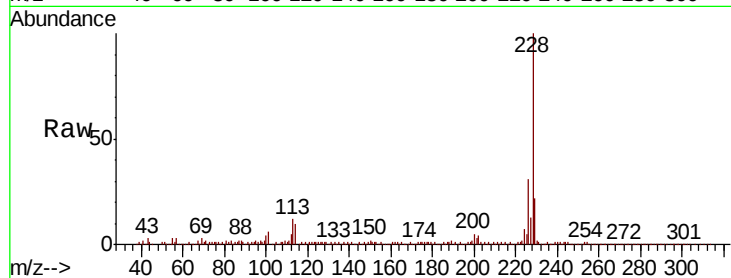
#83
Chrysene
Concen: 17.796 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion:	228	Resp:	295172
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.8	37.2
229	22.2	16.4	24.6

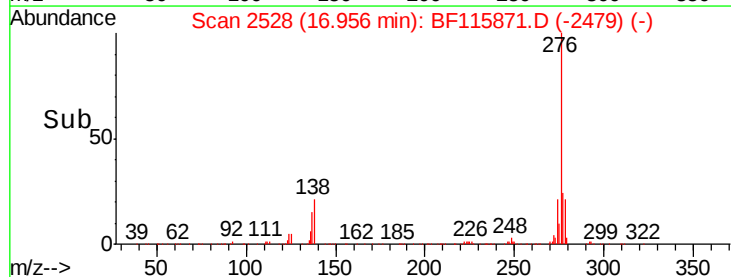
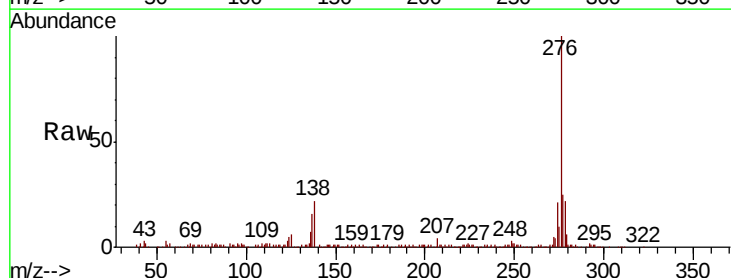
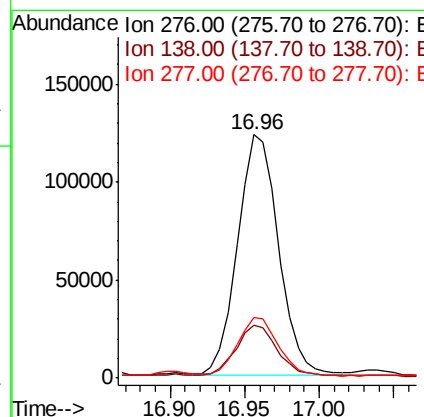
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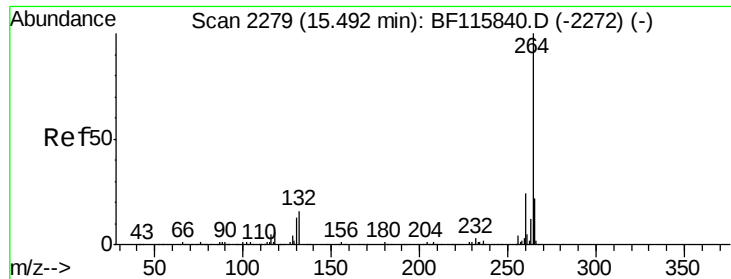
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 16.912 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion:	276	Resp:	235595
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.6	29.4
277	23.7	20.1	30.1





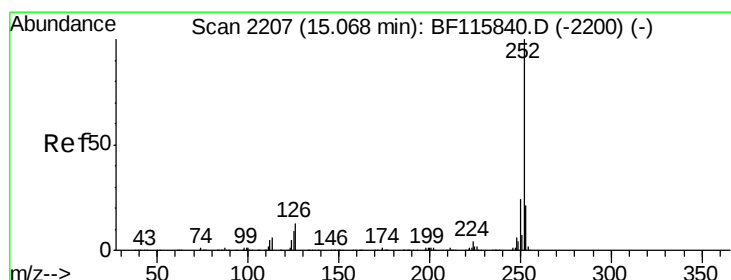
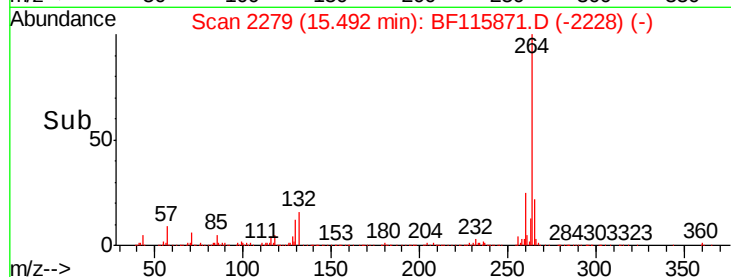
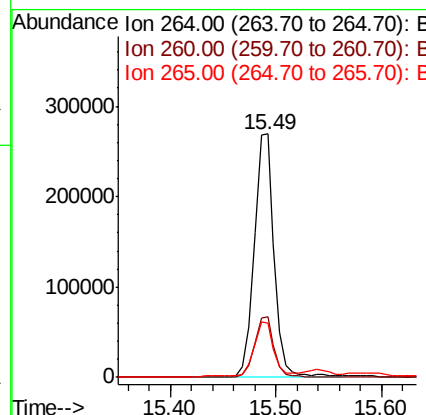
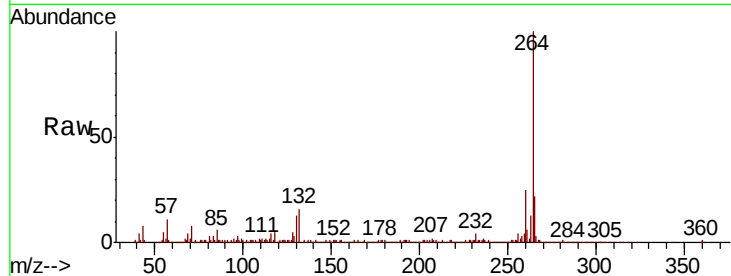
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.8	19.4	29.2	
265	22.1	17.5	26.3	

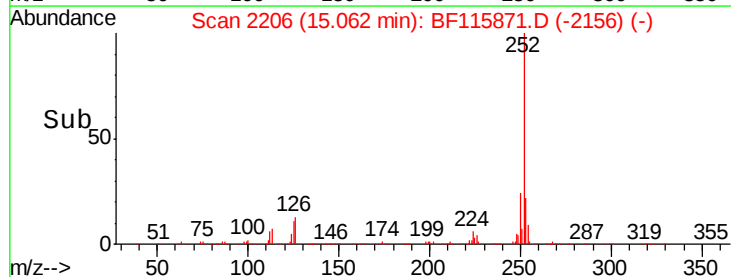
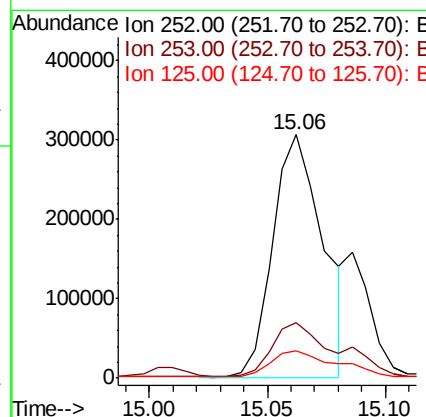
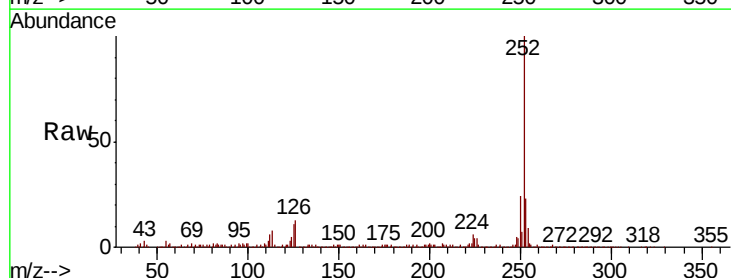
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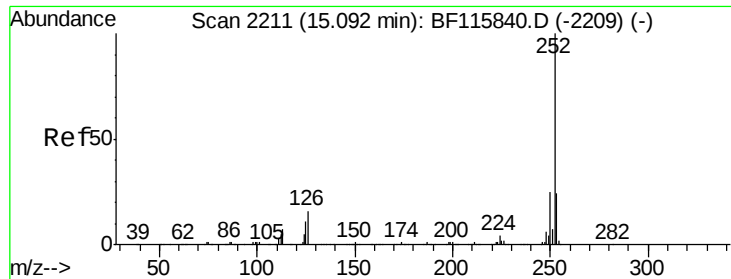
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#88
Benzo(b)fluoranthene
Concen: 22.468 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.5	17.2	25.8	
125	11.4	7.4	11.0	





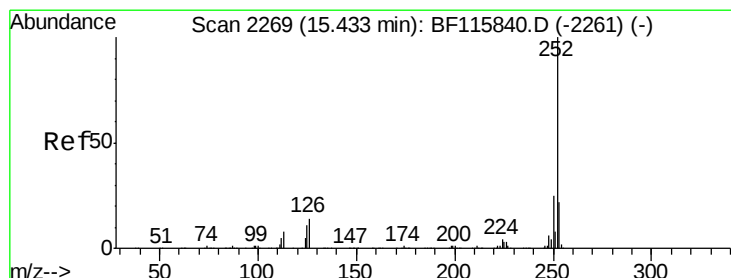
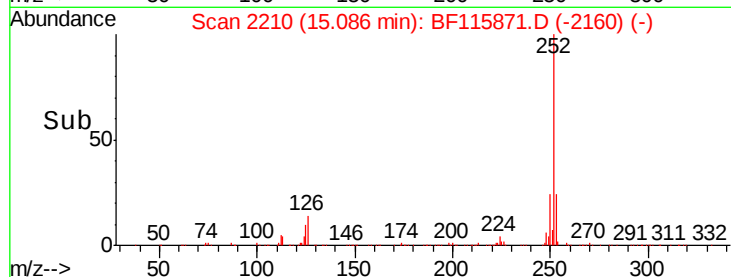
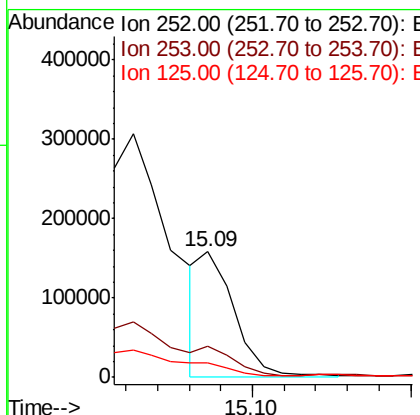
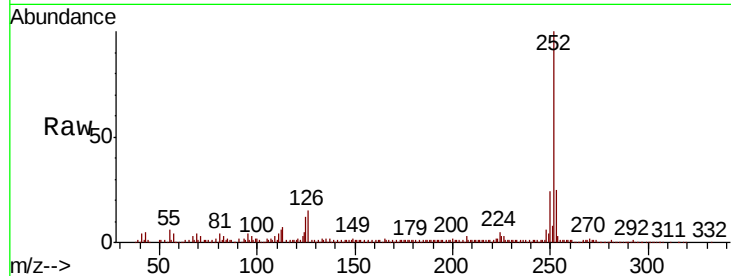
#89
Benzo(k)fluoranthene
Concen: 6.180 ng/mL
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	11.7	8.9	13.3

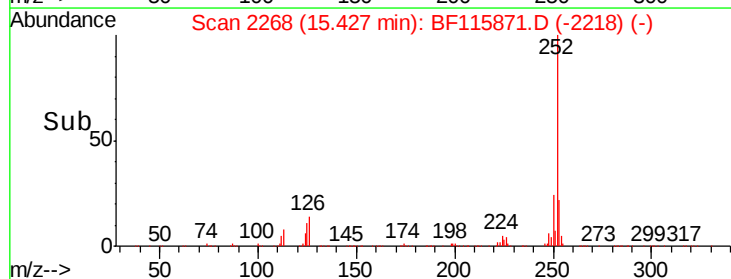
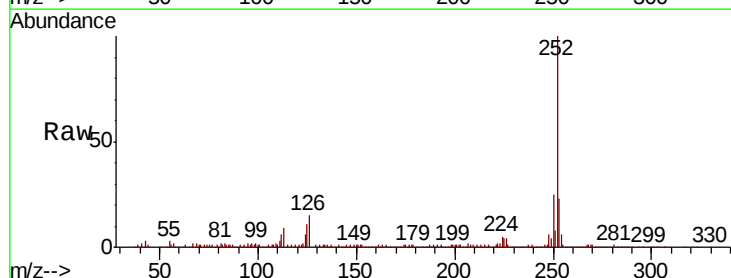
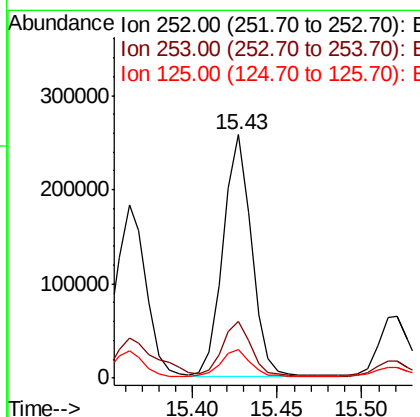
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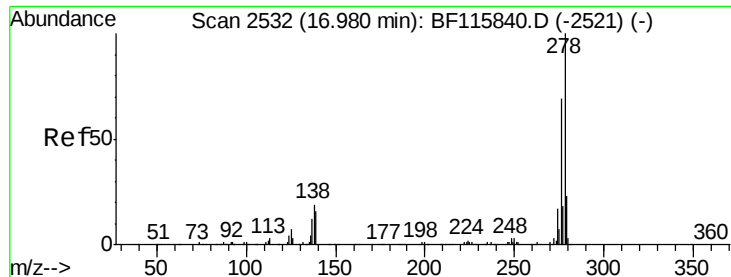
mohammad
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#90
Benzo(a)pyrene
Concen: 16.600 ng/mL
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	11.5	8.8	13.2





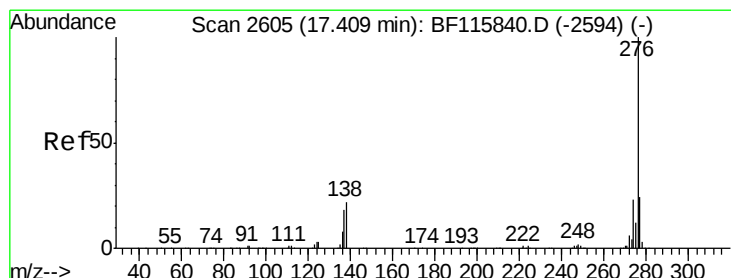
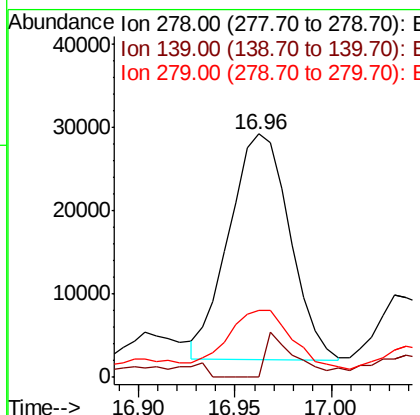
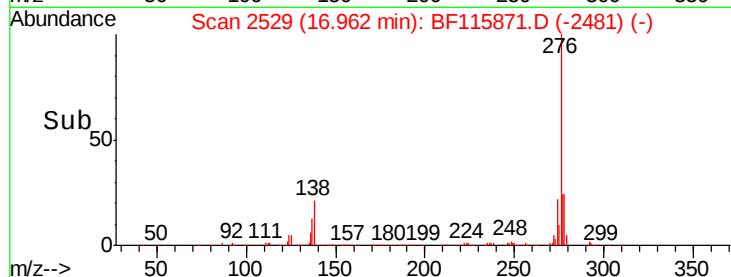
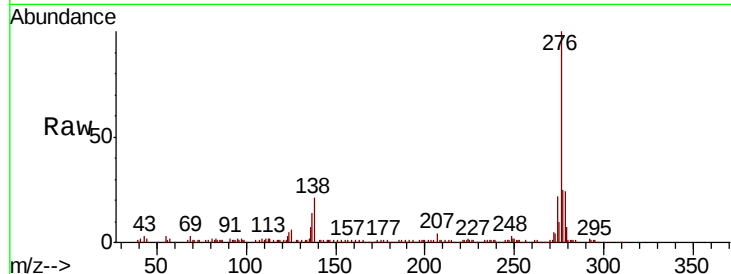
#91
Dibenzo(a,h)anthracene
Concen: 3.741 ng m
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Instrument :
BNA_F
ClientSampleId :
SP-12

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.6	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 14.912 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF115871.D
Acq: 31 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.5	29.3
138	20.5	17.8	26.8

