

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117716.D
 Acq On : 7 Nov 2019 20:27
 Operator : JU
 Sample : K5723-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-E

Manual Integrations
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Sohil
 11/8/2019 3:31:40 PM

Quant Time: Nov 08 02:40:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	322832	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1241037	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	647962	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1155056	20.00	ng	0.00
76) Chrysene-d12	14.12	240	702803	20.00	ng	0.00
87) Perylene-d12	15.63	264	868120	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1752754	98.28	ng	0.00
7) Phenol-d6	6.55	99	2223333	101.10	ng	0.00
23) Nitrobenzene-d5	7.49	82	1320659	62.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	606026	95.61	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2241321	68.25	ng	0.00
79) Terphenyl-d14	13.06	244	2085993	61.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	107282	4.527	ng	95
50) Dimethylphthalate	9.69	163	351389	8.022	ng	98
71) Phenanthrene	11.50	178	1461520	26.398	ng	97
72) Anthracene	11.55	178	221604	4.023	ng	97
75) Fluoranthene	12.69	202	1122109	19.849	ng	95
78) Pyrene	12.92	202	1547380	30.161	ng	98
81) Benzo(a)anthracene	14.11	228	609373	13.930	ng	98
83) Chrysene	14.15	228	661765m	15.318	ng	
84) Bis(2-ethylhexyl)phthalate	14.10	149	107657	3.522	ng	99
86) Indeno(1,2,3-cd)pyrene	17.15	276	215136	5.350	ng	96
88) Benzo(b)fluoranthene	15.18	252	578916m	10.588	ng	
89) Benzo(k)fluoranthene	15.21	252	125233m	2.568	ng	
90) Benzo(a)pyrene	15.56	252	439670	9.276	ng	99
92) Benzo(a,h,i)perylene	17.62	276	227424	5.521	ng	98

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

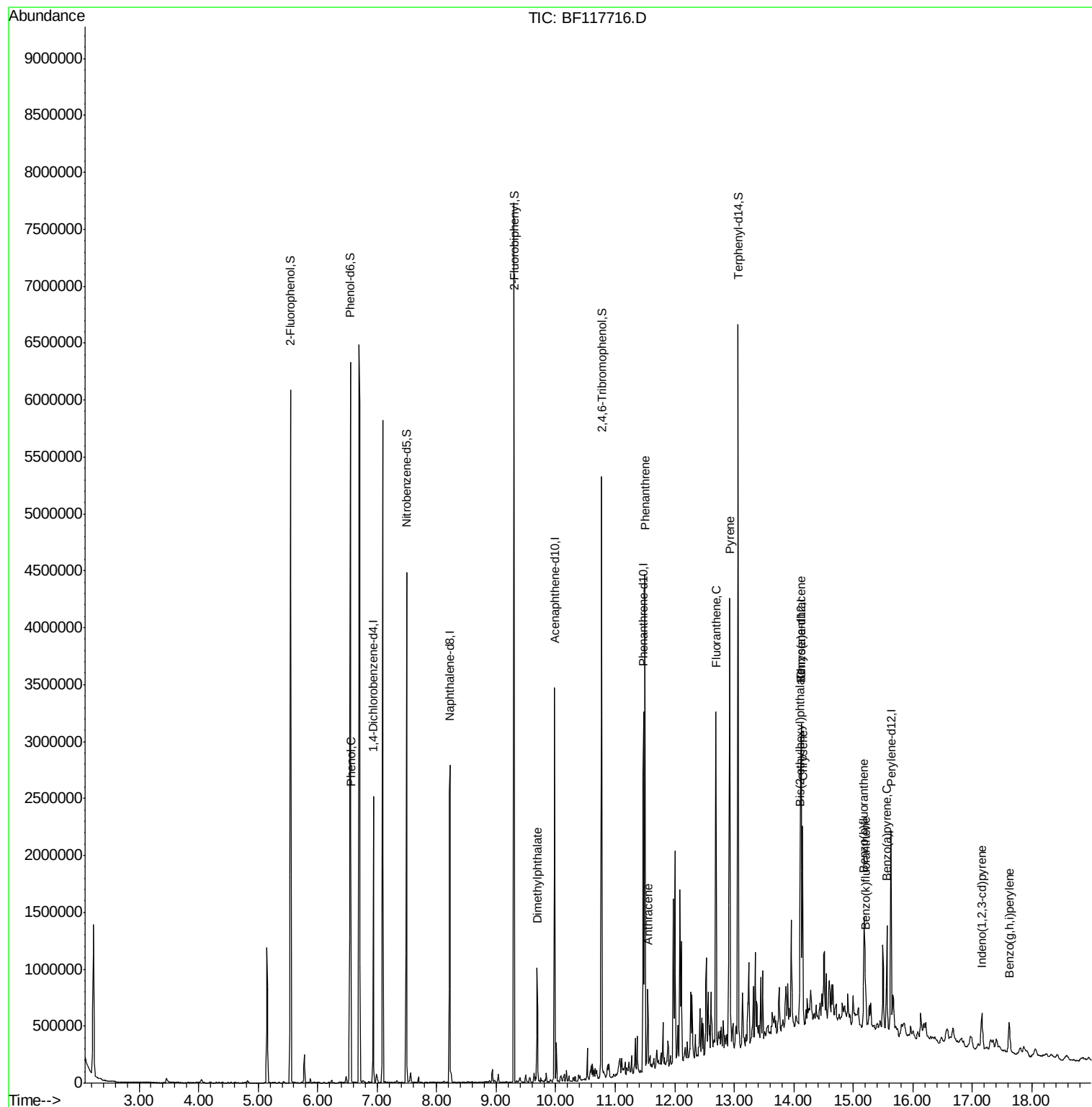
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
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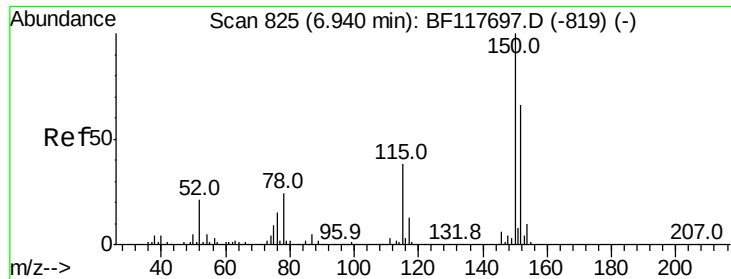
Instrument :
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#1

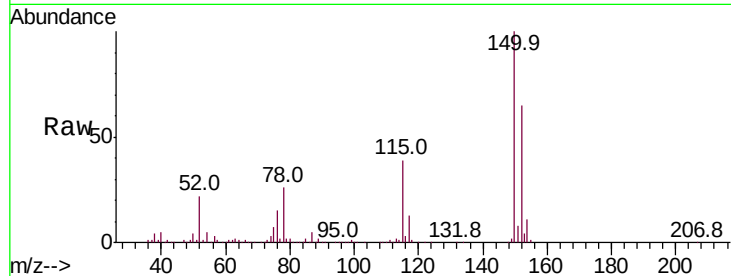
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	121.4	182.2
115	60.0	46.7	70.1

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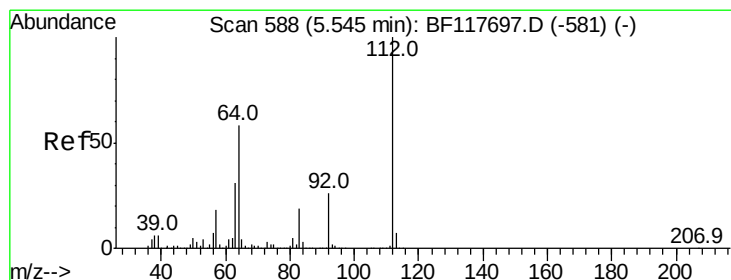
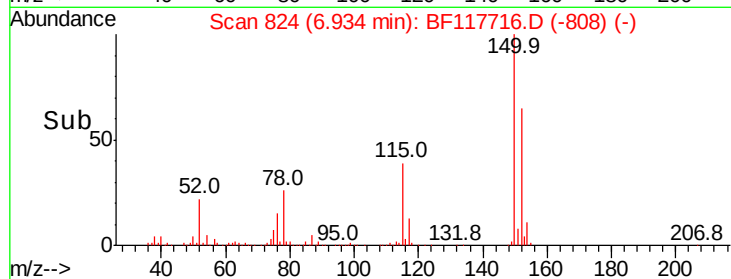
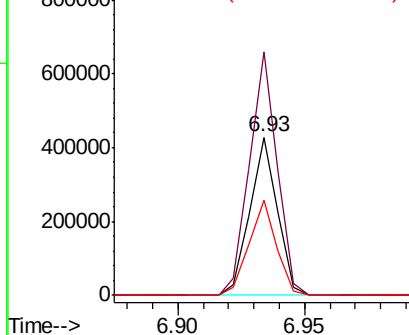


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

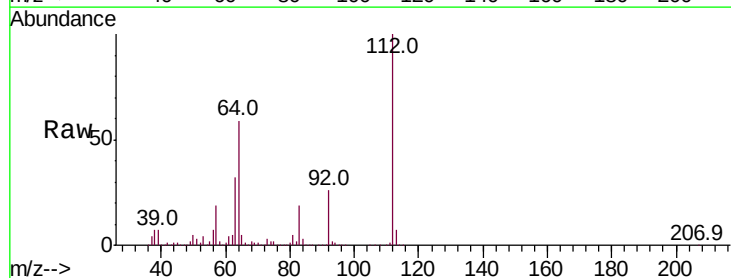
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.279 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.4	69.6
63	31.6	24.6	37.0

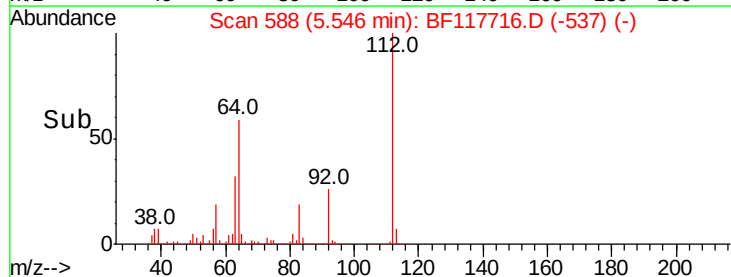
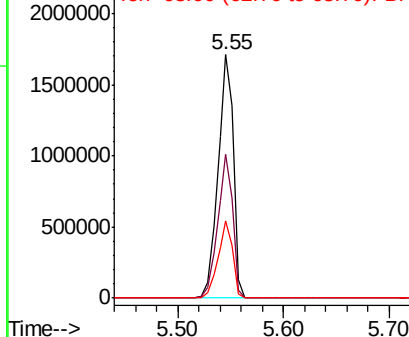


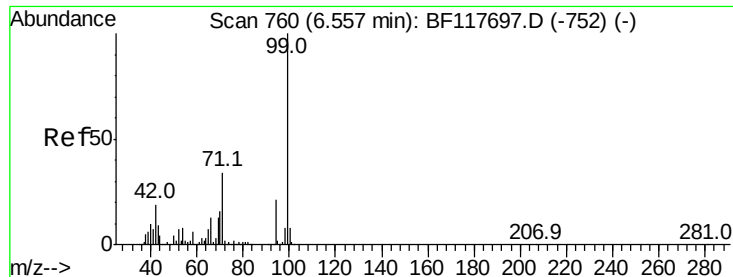
Abundance

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: 101.104 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampled :

4-E

Tot Ion: 99 Resp: 2223333

Ion Ratio Lower Upper

99 100

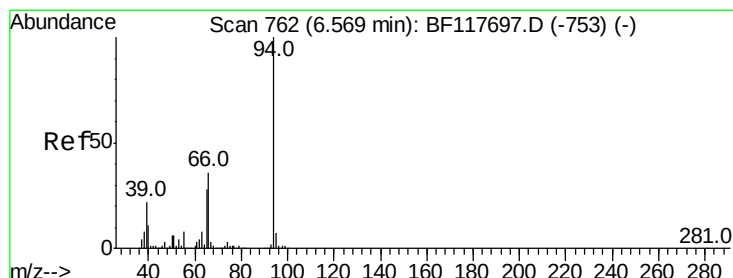
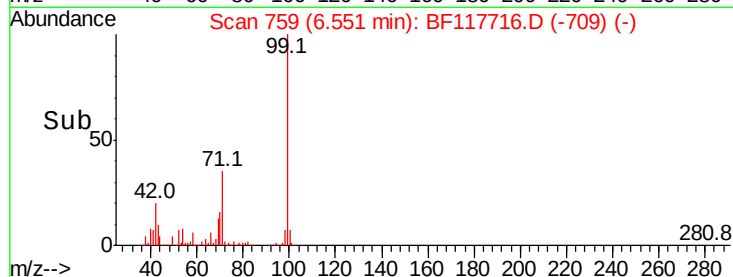
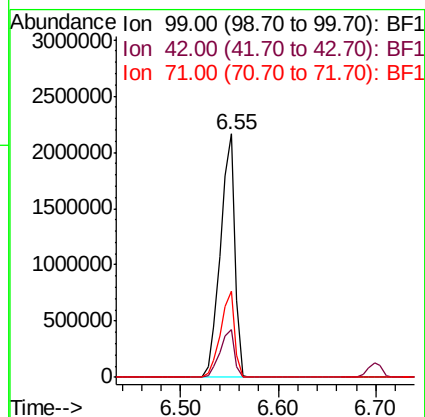
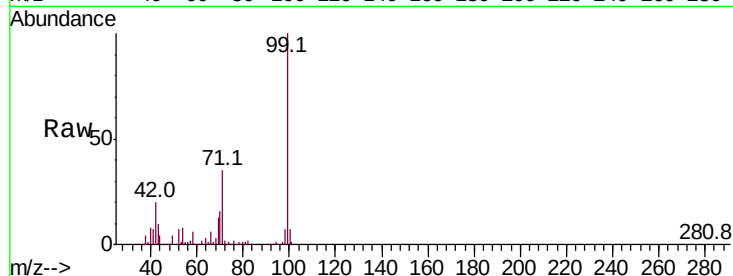
42 19.7 15.3 22.9

71 35.5 26.8 40.2

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#10

Phenol

Concen: 4.527 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

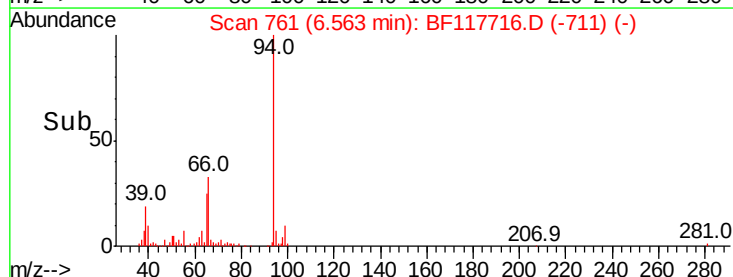
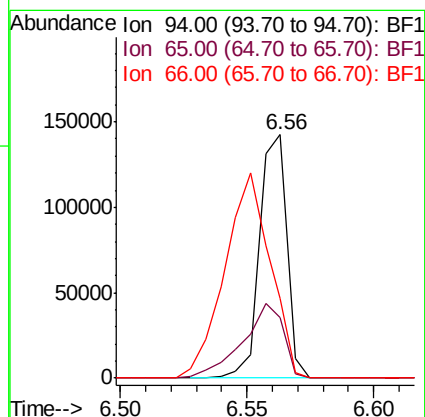
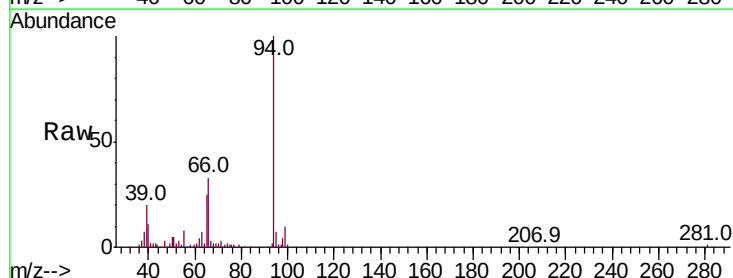
Tgt Ion: 94 Resp: 107282

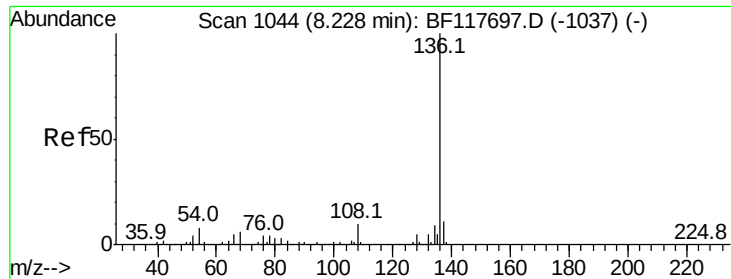
Ion Ratio Lower Upper

94 100

65 24.9 7.6 47.6

66 32.9 16.1 56.1





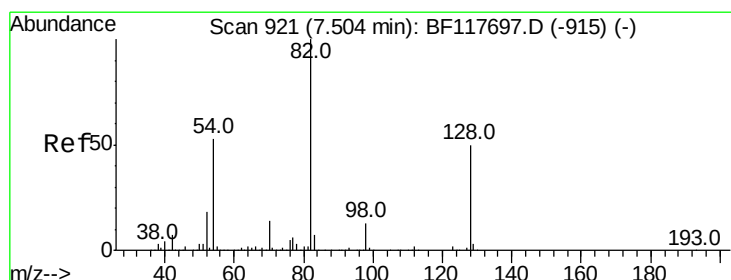
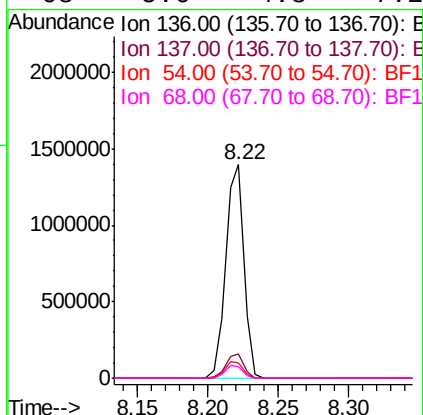
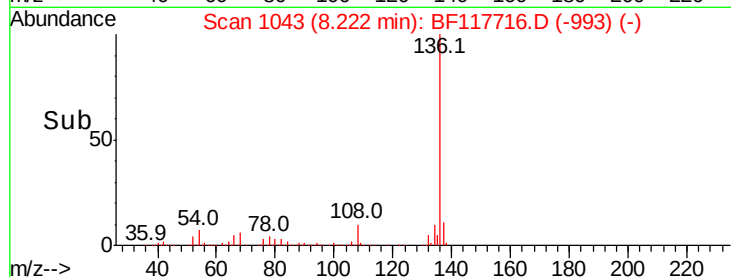
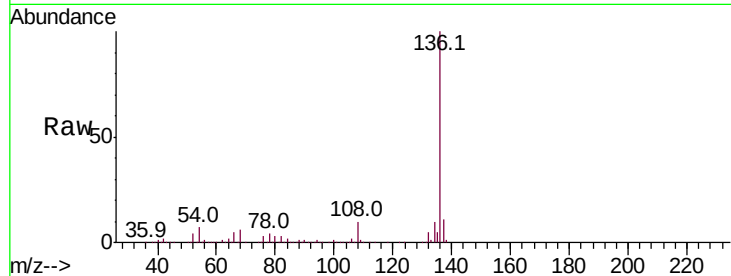
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampleId :
4-E

Tot Ion	136	Resp	1241037
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.3	6.0	9.0
68	5.6	4.8	7.2

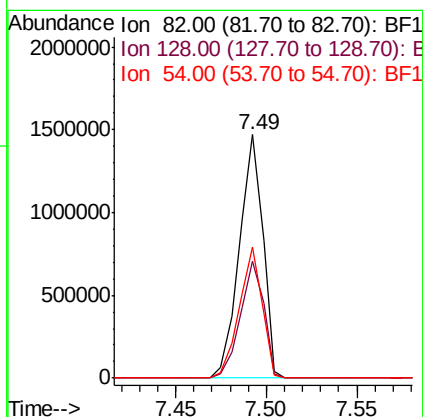
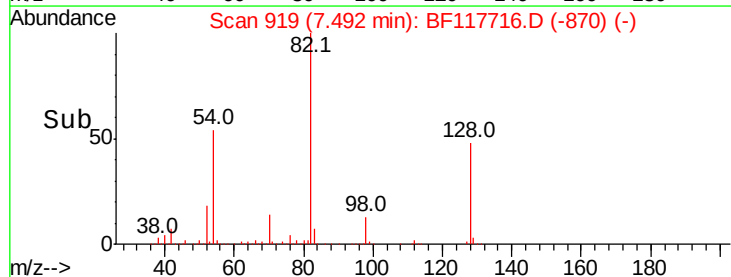
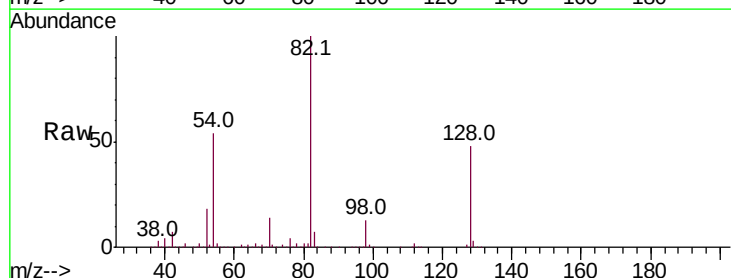
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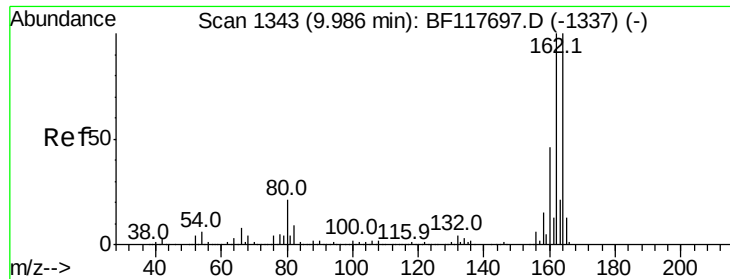
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#23
Nitrobenzene-d5
Concen: 62.827 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	82	Resp	1320659
Ion	Ratio	Lower	Upper
82	100		
128	48.0	40.2	60.2
54	53.6	42.0	63.0





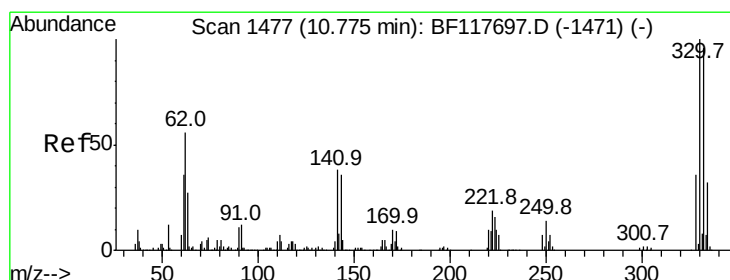
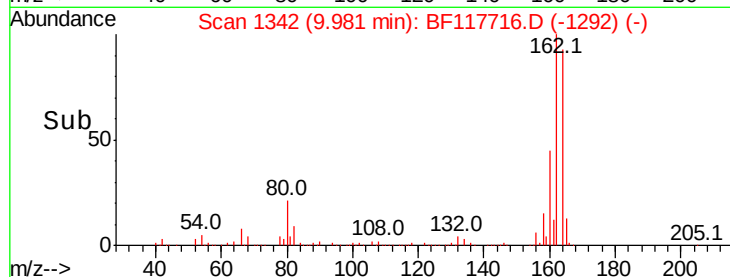
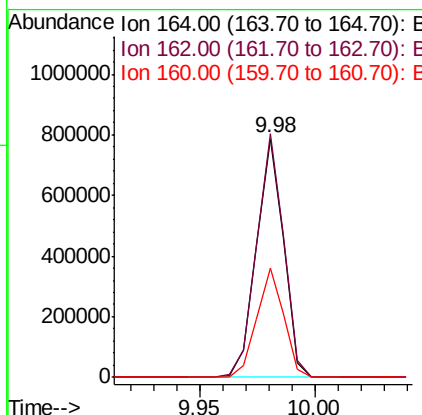
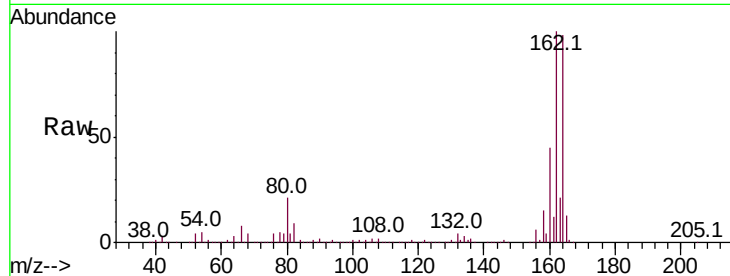
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.7	119.5
160	45.9	36.5	54.7

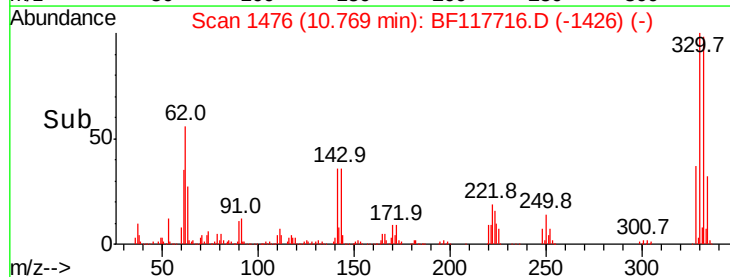
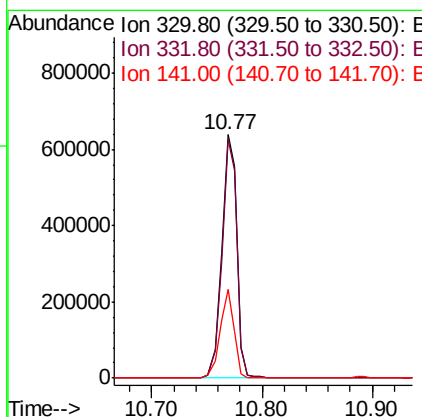
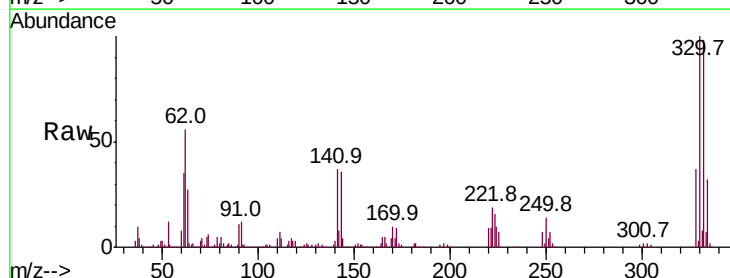
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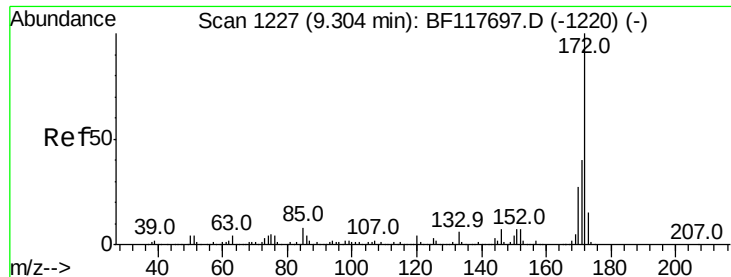
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#42
2,4,6-Tribromophenol
Concen: 95.610 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	33.6	28.0	42.0





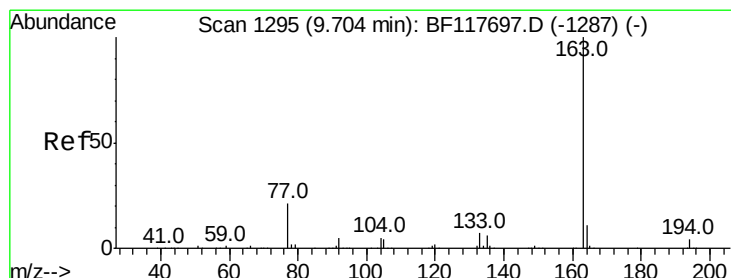
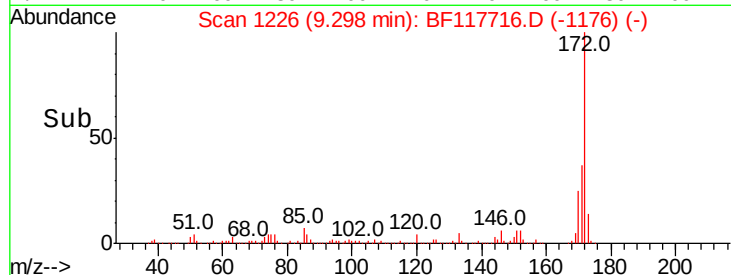
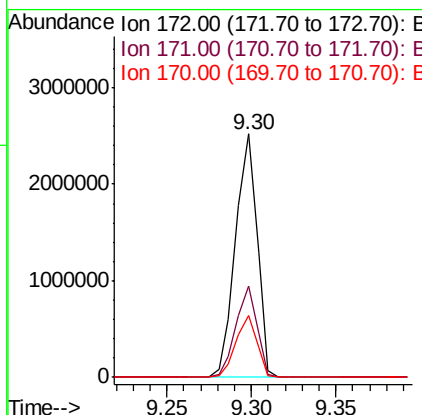
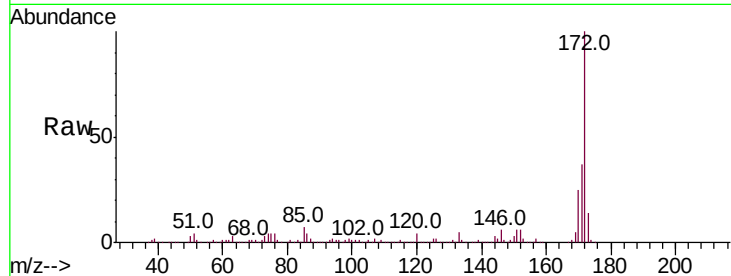
#45
2-Fluorobiphenyl
Concen: 68.247 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.8	47.8
170	25.5	21.6	32.4

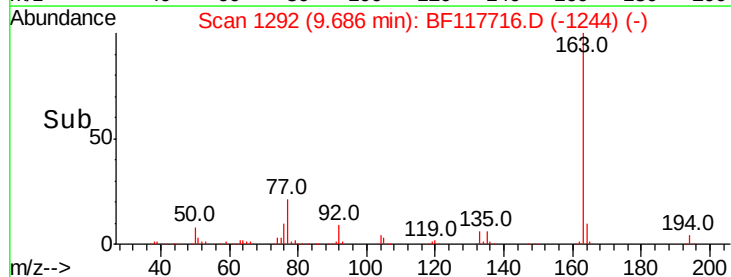
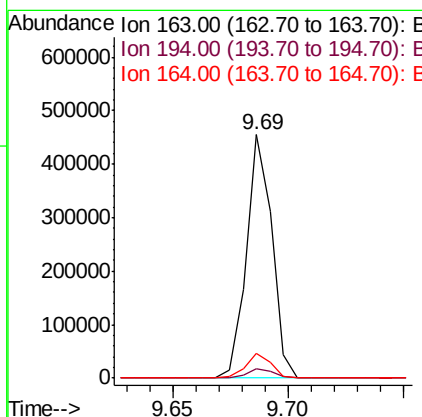
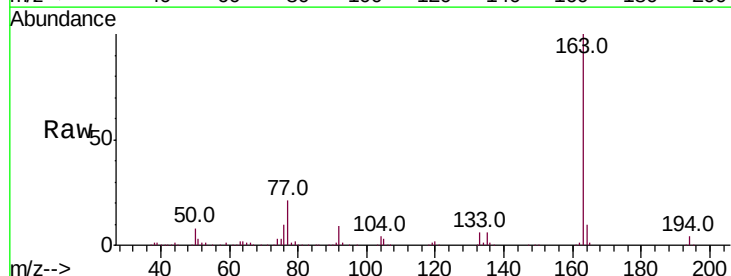
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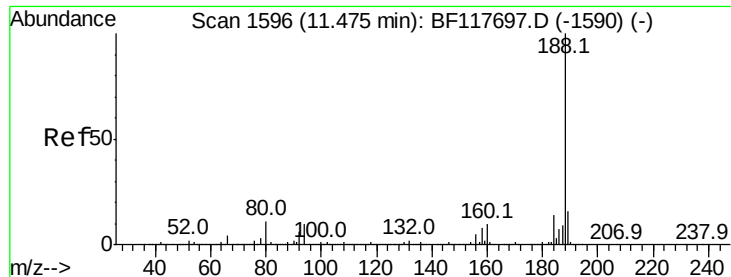
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#50
Dimethylphthalate
Concen: 8.022 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.1	8.9	13.3





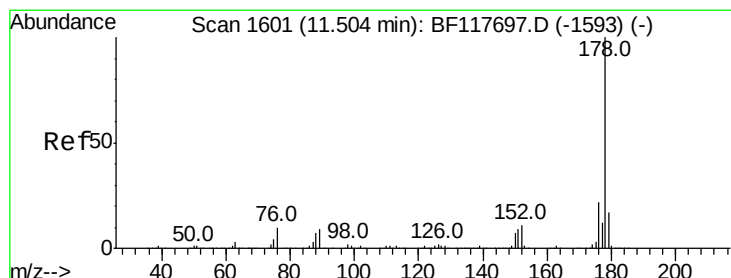
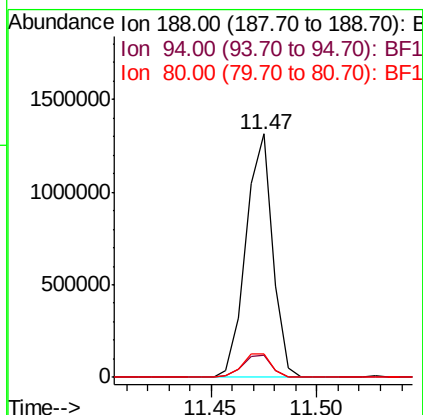
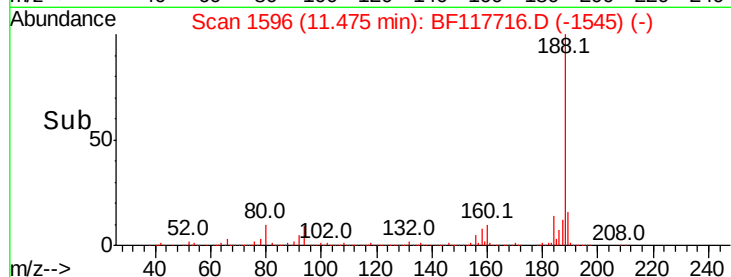
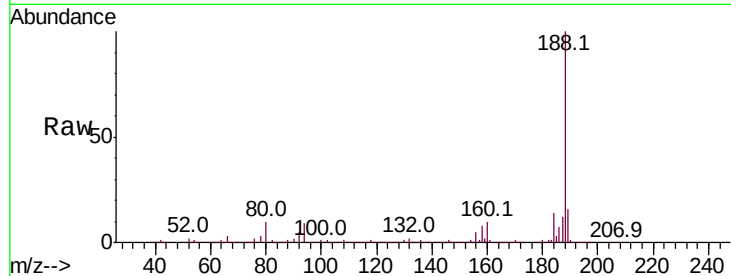
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.4
80	9.9	8.6	13.0

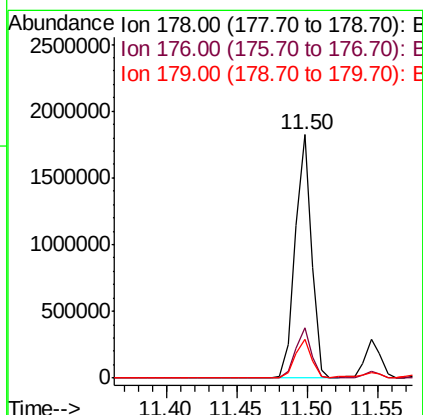
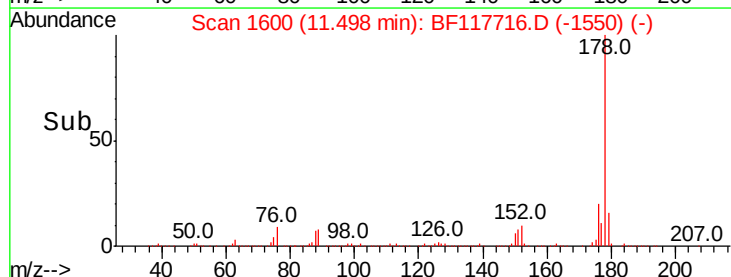
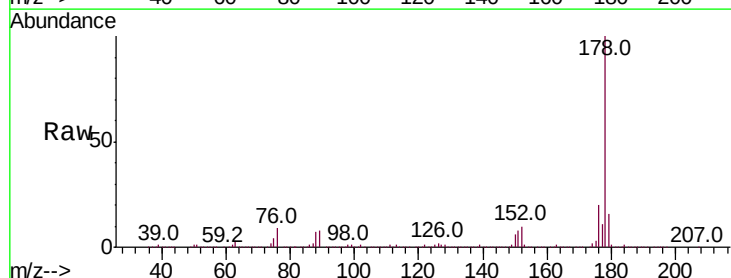
Manual Integrations
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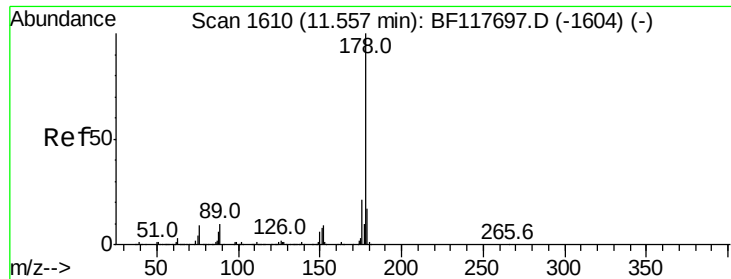
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#71
Phenanthrene
Concen: 26.398 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	17.7	26.5
179	16.2	13.8	20.8





#72

Anthracene

Concen: 4.023 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

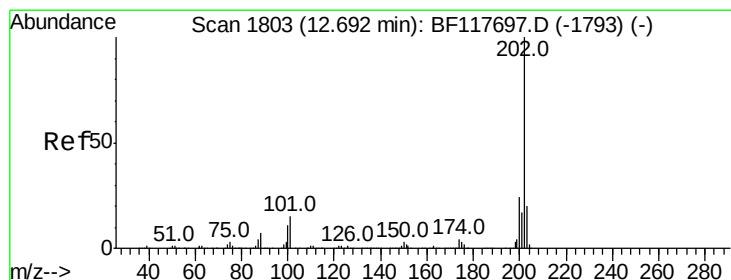
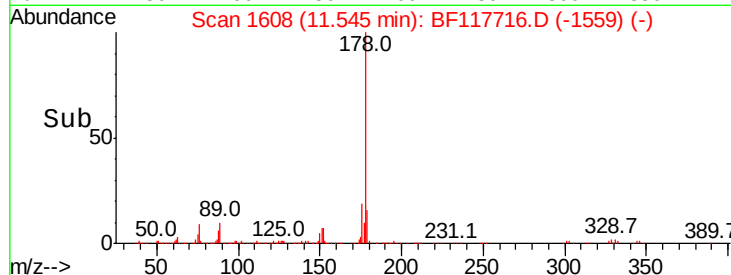
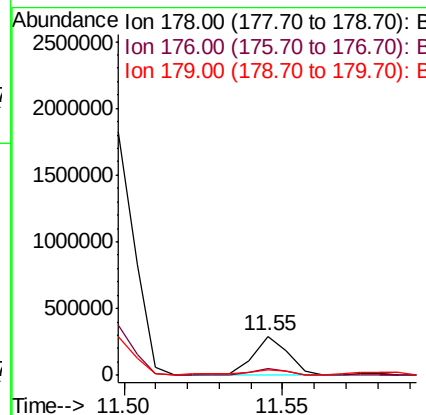
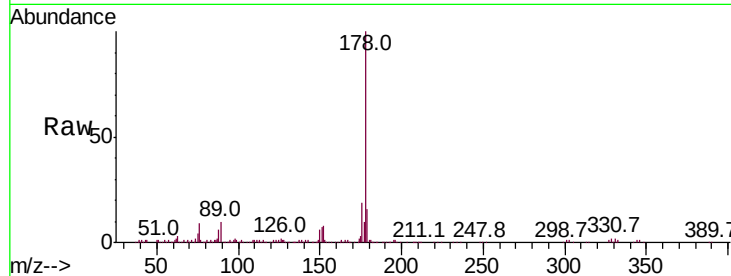
ClientSampled :

4-E

Tot Ion:	178	Resp:	221604
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.6	25.0
179	15.8	13.5	20.3

Manual Integrations
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#75

Fluoranthene

Concen: 19.849 ng

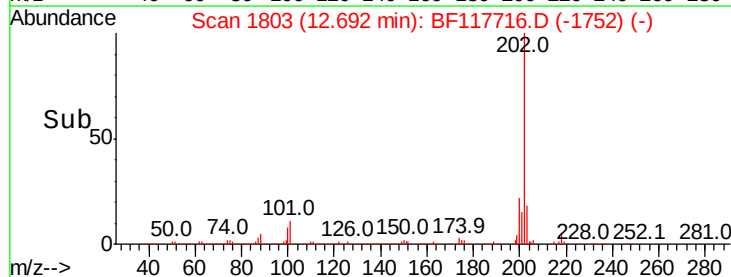
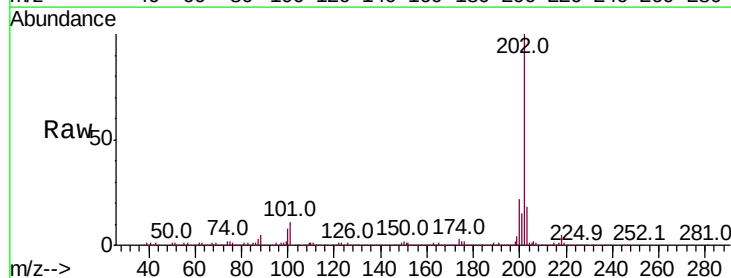
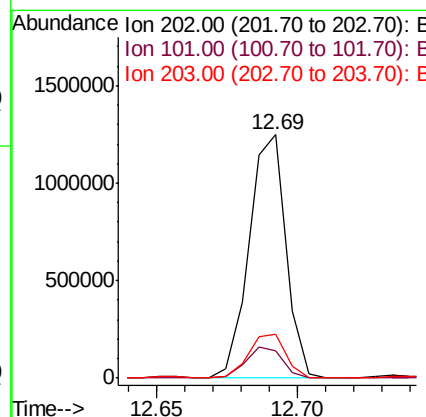
RT: 12.69 min Scan# 1803

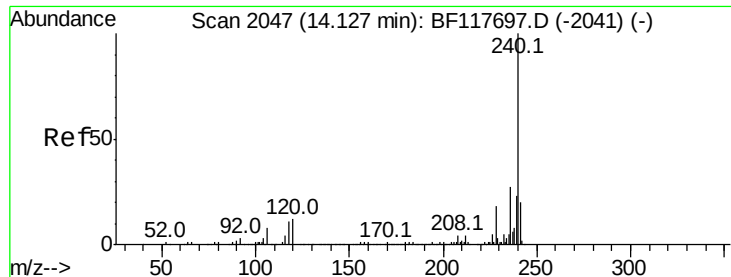
Delta R.T. 0.00 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Tgt Ion:	202	Resp:	1122109
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.5
203	18.2	0.0	39.8





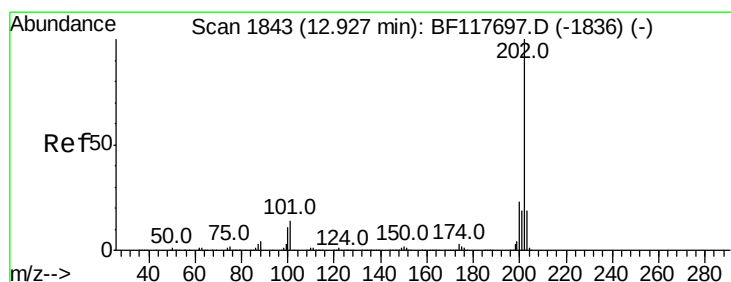
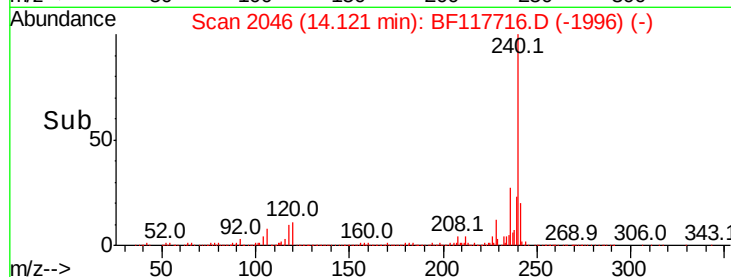
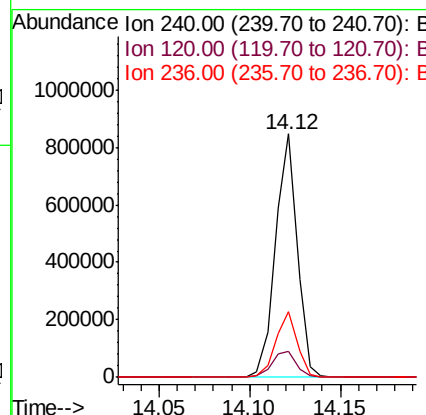
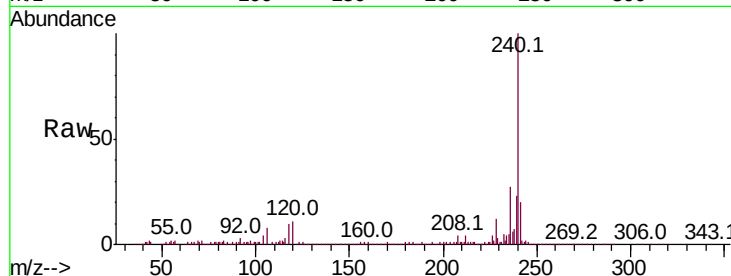
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.7	14.5
236	26.8	21.9	32.9

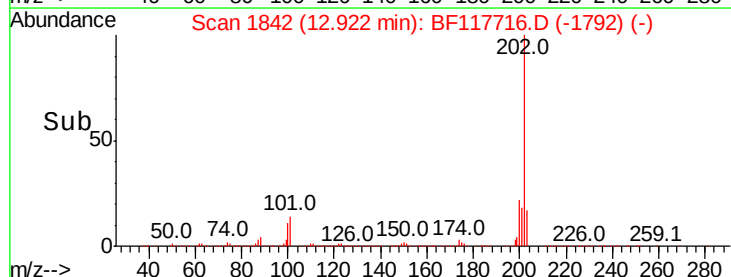
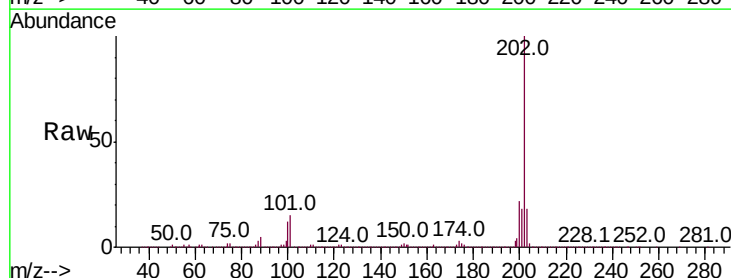
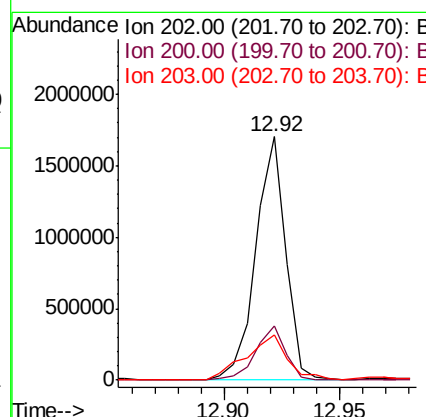
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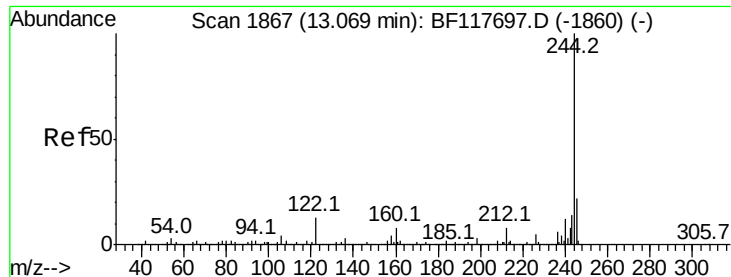
Sohil
11/8/2019 3:31:40 PM



#78
Pyrene
Concen: 30.161 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.8	28.2
203	18.5	15.2	22.8





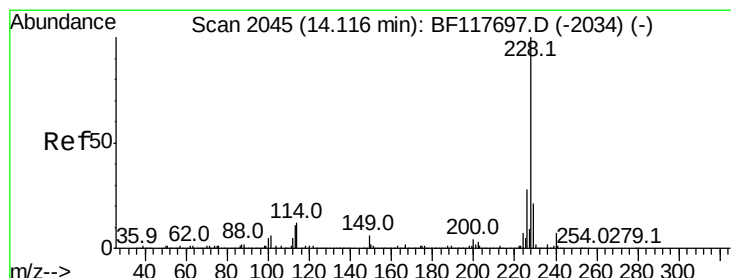
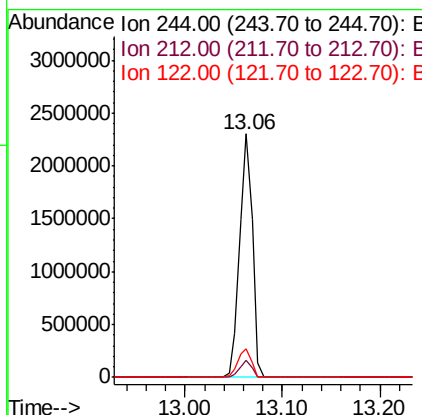
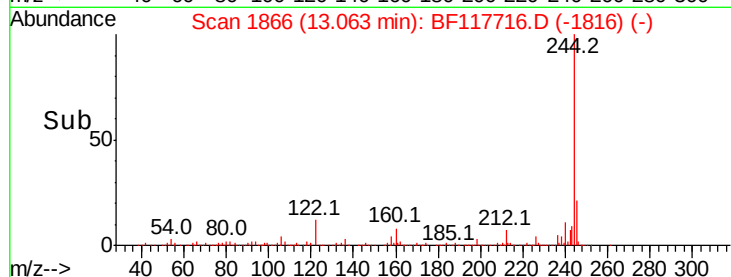
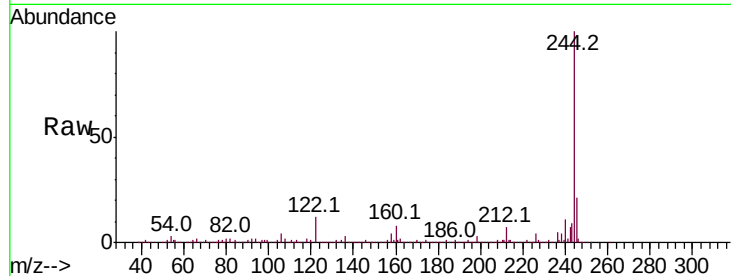
#79
 Terphenyl-d14
 Concen: 61.101 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Instrument :
 BNA_F
 ClientSampled :
 4-E

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	12.0	10.0	15.0

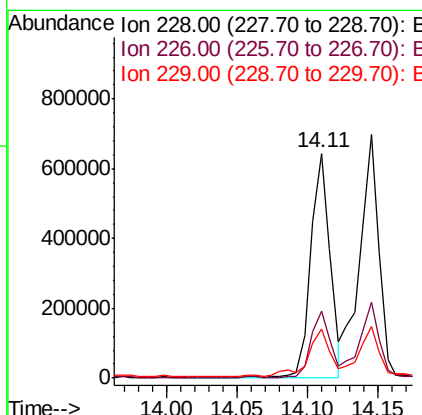
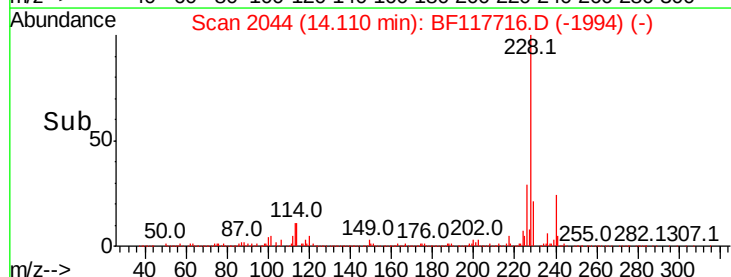
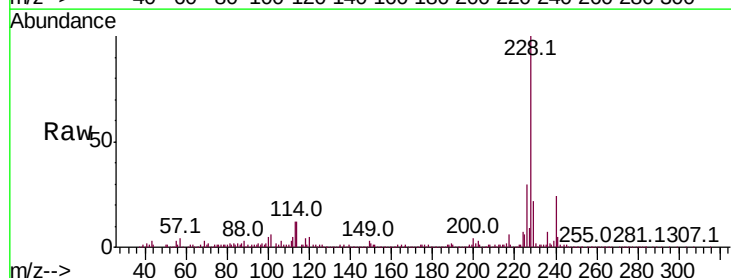
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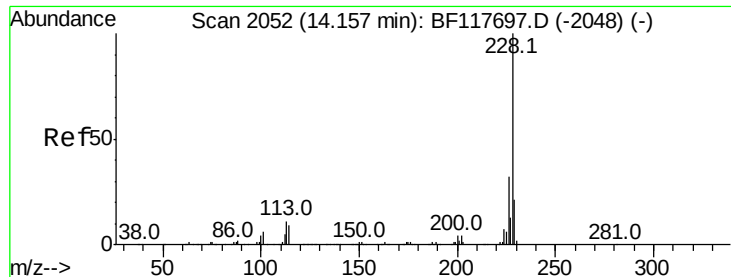
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#81
 Benzo(a)anthracene
 Concen: 13.930 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.8	34.2
229	21.9	16.9	25.3





#83

Chrysene

Concen: 15.318 ng

RT: 14.15 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampled :

4-E

Tot Ion:228 Resp: 661765

Ion Ratio Lower Upper

228 100

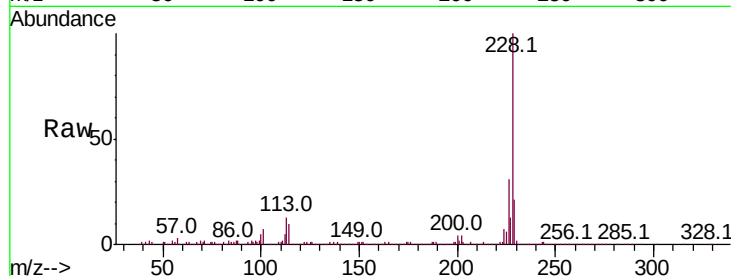
226 31.0 25.4 38.2

229 21.2 16.6 24.8

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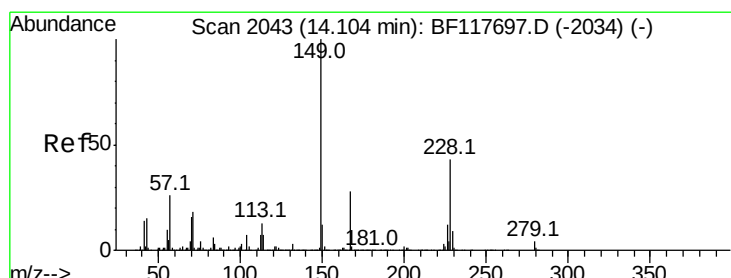
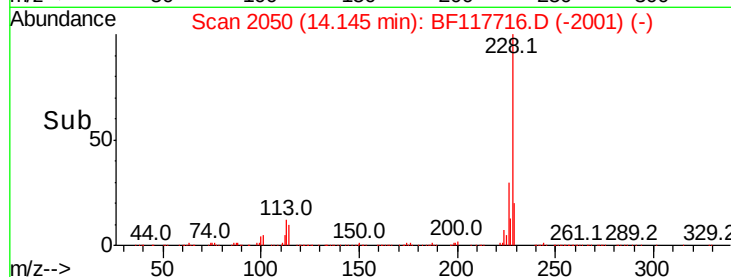
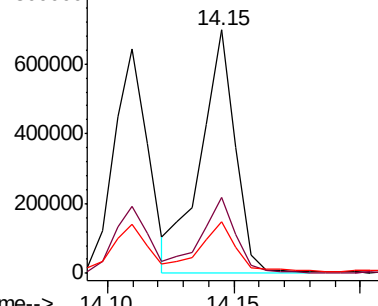
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.522 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

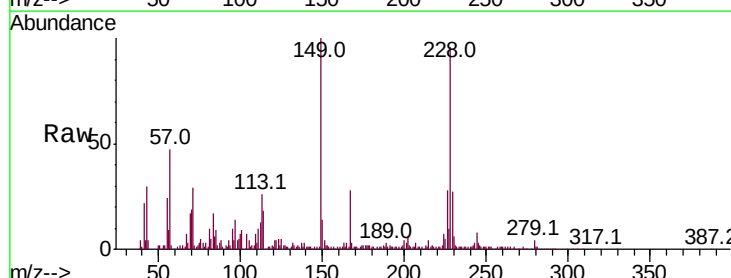
Tgt Ion:149 Resp: 107657

Ion Ratio Lower Upper

149 100

167 28.3 22.2 33.2

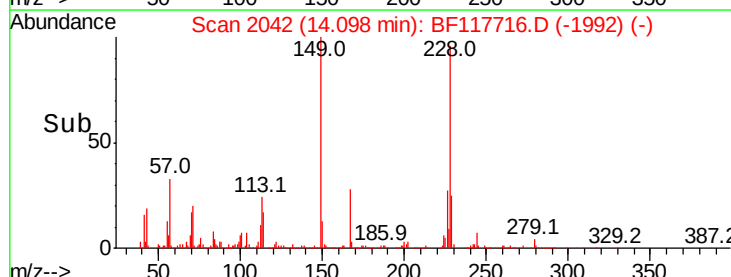
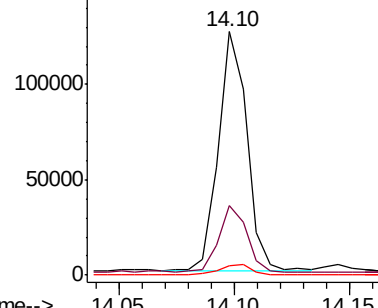
279 3.8 3.4 5.2

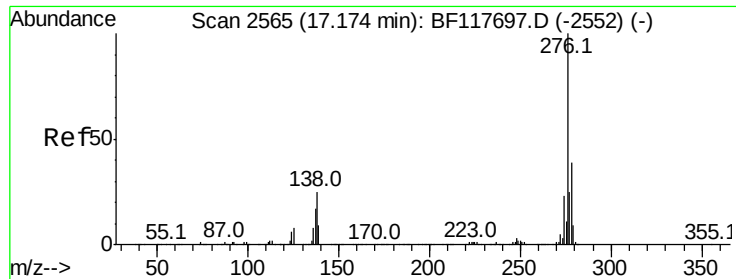


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





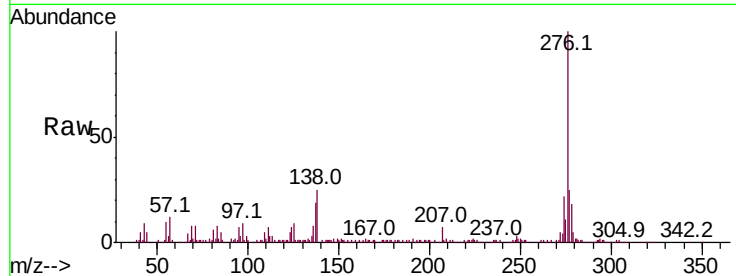
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.350 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.02 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Instrument :
 BNA_F
 ClientSampled :
 4-E

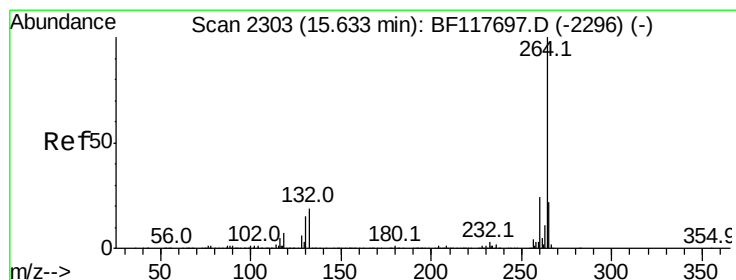
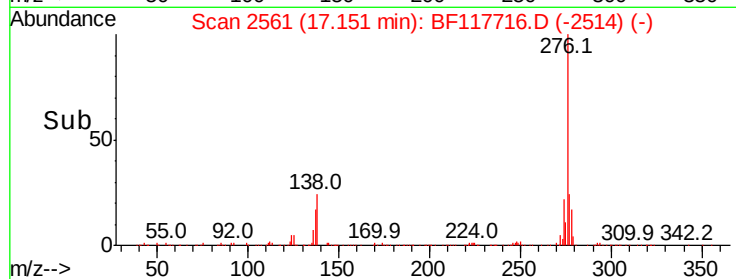
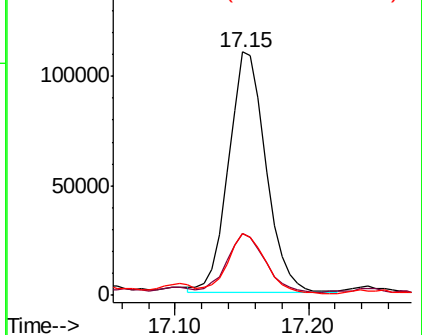
Tot Ion:276	Resp:	215136
Ion Ratio	Lower	Upper
276 100		
138 24.6	22.4	33.6
277 25.3	20.6	30.8

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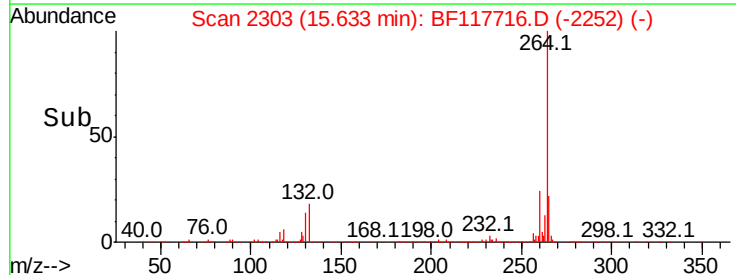
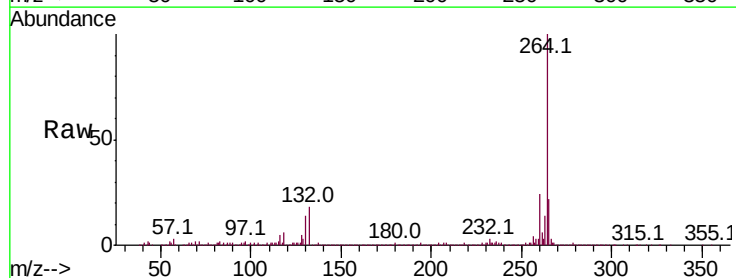
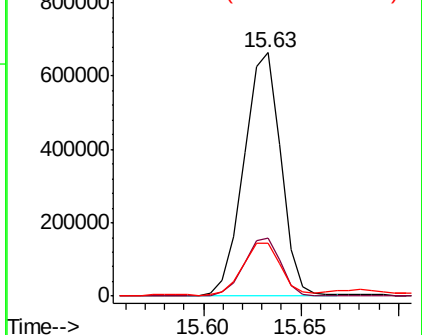
Abundance Ion 276.00 (275.70 to 276.70): E
 150000 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

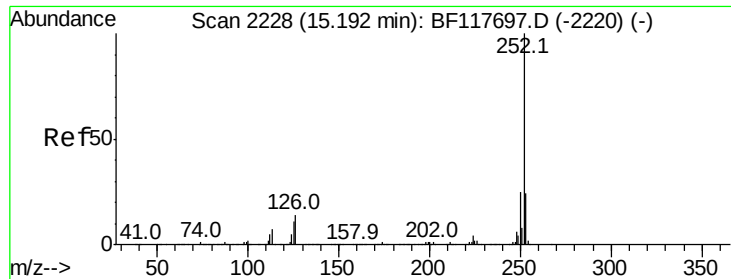


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Tgt Ion:264	Resp:	868120
Ion Ratio	Lower	Upper
264 100		
260 24.0	18.8	28.2
265 22.0	17.7	26.5

Abundance Ion 264.00 (263.70 to 264.70): E
 800000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





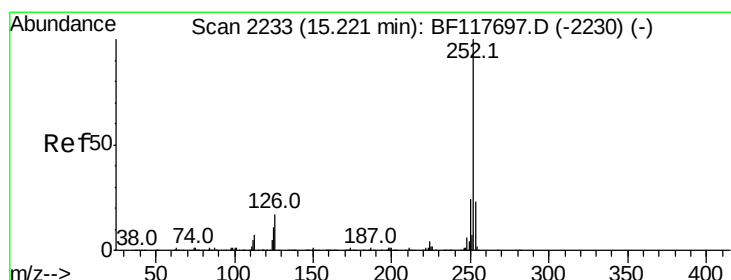
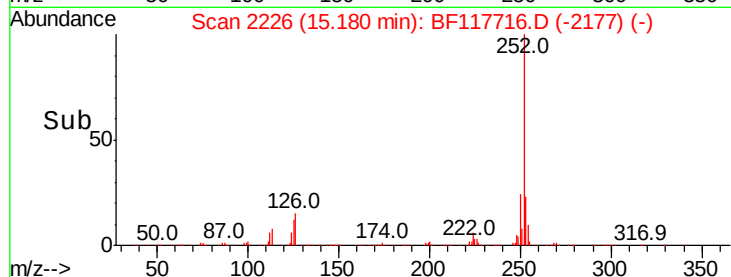
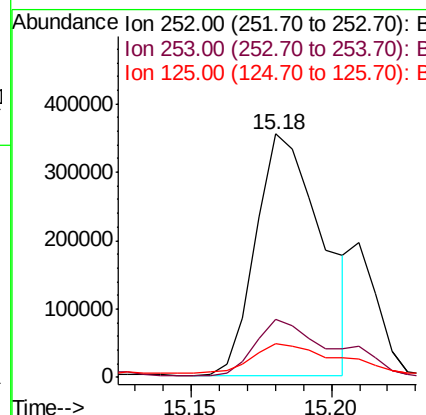
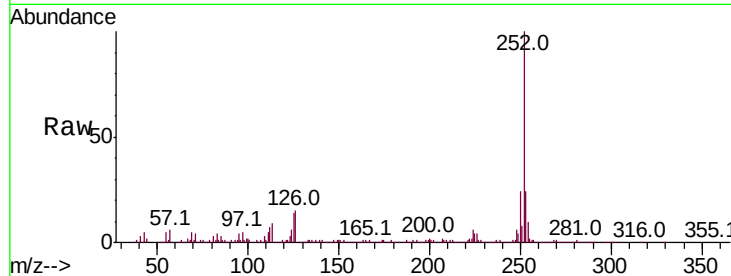
#88
Benzo(b)fluoranthene
Concen: 10.588 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	13.6	8.5	12.7

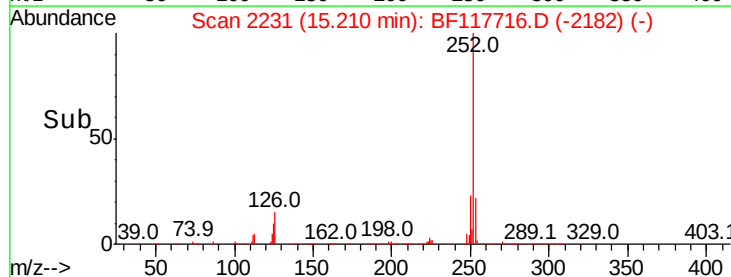
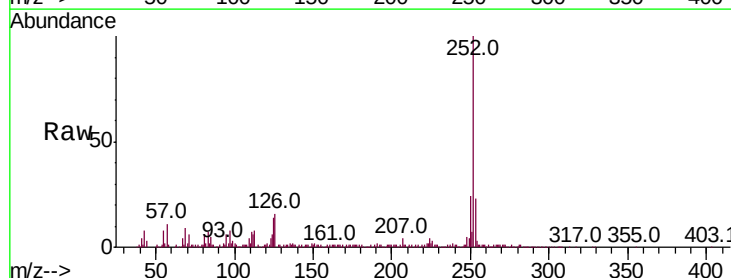
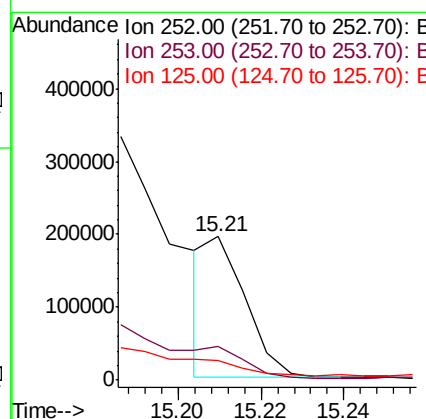
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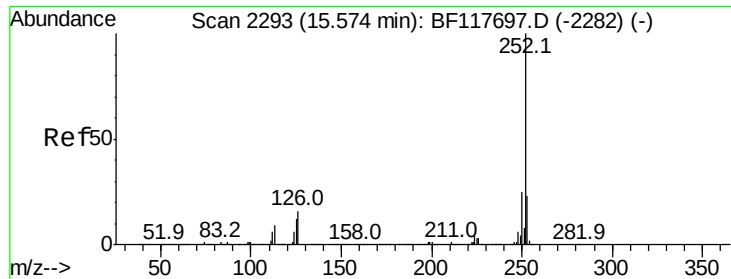
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#89
Benzo(k)fluoranthene
Concen: 2.568 ng m
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.9	9.1	13.7





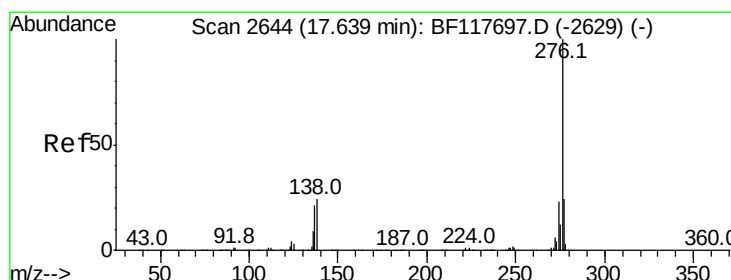
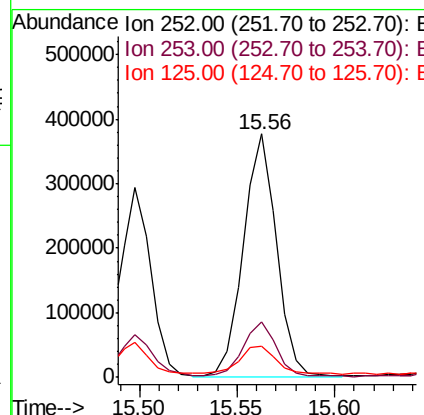
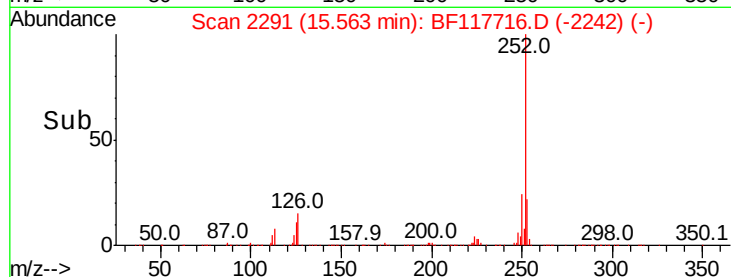
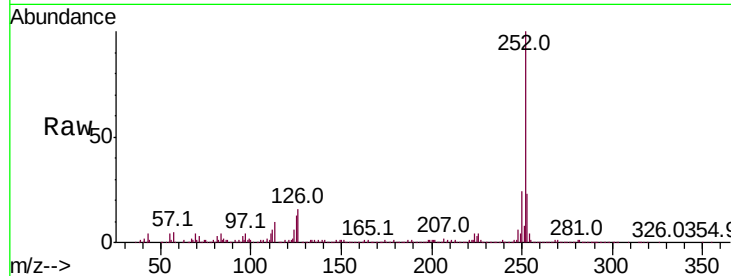
#90
Benzo(a)pyrene
Concen: 9.276 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampled :
4-E

Tot Ion	Ratio	Resp	Lower	Upper
252	100	439670		
253	22.7	18.0	27.0	
125	12.6	9.5	14.3	

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#92
Benzo(g,h,i)perylene
Concen: 5.521 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	227424		
277	22.9	19.4	29.0	
138	24.2	19.2	28.8	

