

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117233.D
 Acq On : 24 Sep 2019 23:14
 Operator : JU
 Sample : K4664-10 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092319

Manual Integrations
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mohammad
 9/26/2019 8:24:28 AM

Quant Time: Sep 25 08:01:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	27714	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	109471	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	54637	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	84808	20.00	ng	0.00
76) Chrysene-d12	13.97	240	71474	20.00	ng	0.00
87) Perylene-d12	15.43	264	61763	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	71704	40.39	ng	0.00
7) Phenol-d6	6.45	99	101454	44.22	ng	0.00
23) Nitrobenzene-d5	7.37	82	62267	29.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	18343	40.17	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	122267	34.99	ng	0.00
79) Terphenyl-d14	12.92	244	111469	29.15	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	12951	3.348	ng	Qvalue # 97
52) Acenaphthene	9.88	154	9577	3.188	ng	97
58) Fluorene	10.40	166	10028	2.809	ng	# 97
71) Phenanthrene	11.36	178	77563	16.102	ng	99
72) Anthracene	11.41	178	30643	6.231	ng	98
75) Fluoranthene	12.55	202	165074	33.351	ng	97
78) Pyrene	12.77	202	155584	25.943	ng	98
81) Benzo(a)anthracene	13.96	228	81422	17.051	ng	98
83) Chrysene	14.00	228	71724	15.400	ng	98
86) Indeno(1,2,3-cd)pyrene	16.88	276	25180	7.411	ng	92
88) Benzo(b)fluoranthene	15.01	252	80418m	21.495	ng	
89) Benzo(k)fluoranthene	15.03	252	25361m	7.156	ng	
90) Benzo(a)pyrene	15.37	252	54002	16.449	ng	# 94
92) Benzo(a,h,i)perylene	17.32	276	23250	8.921	ng	# 91

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

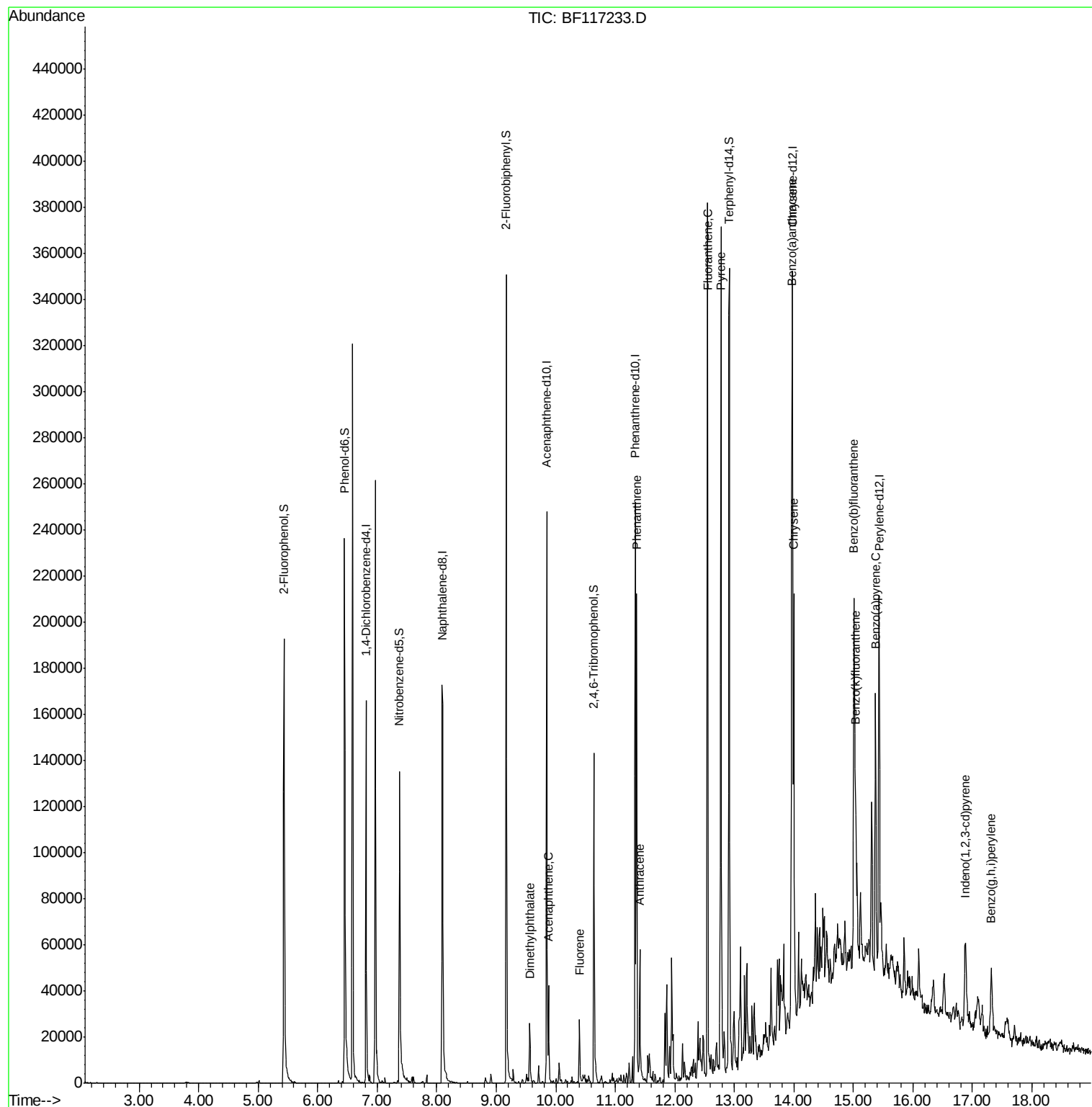
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
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#1

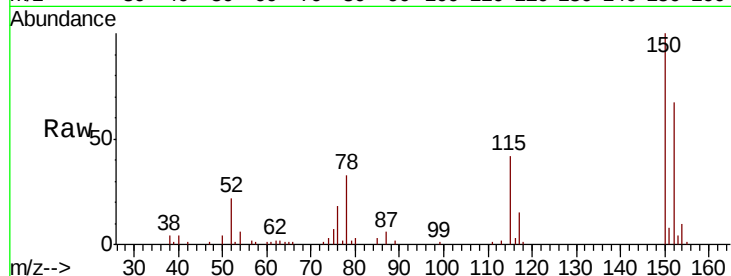
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	127.5	191.3
115	63.3	55.0	82.4

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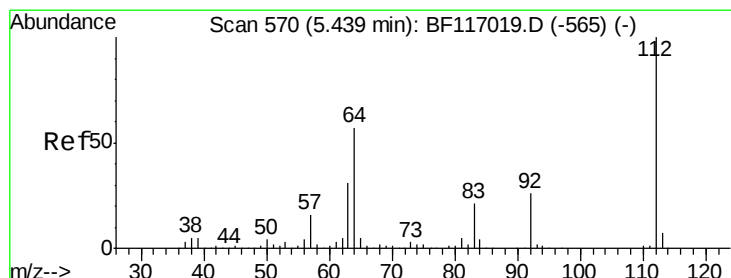
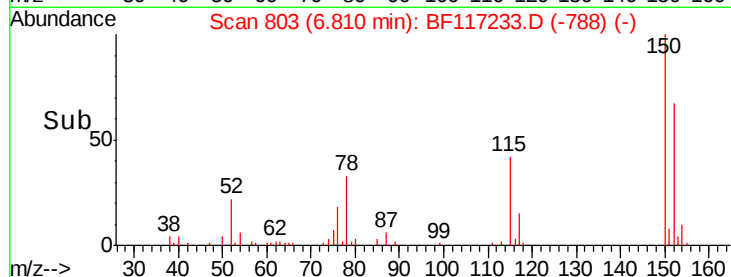
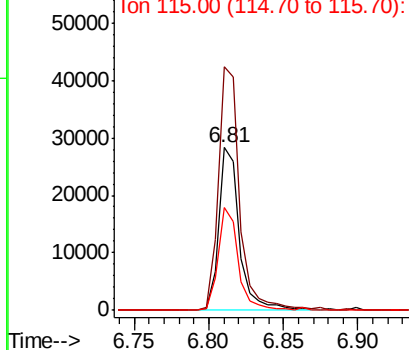


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

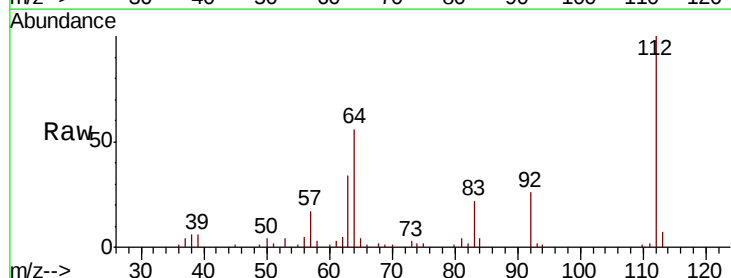
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.394 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	34.3	24.9	37.3

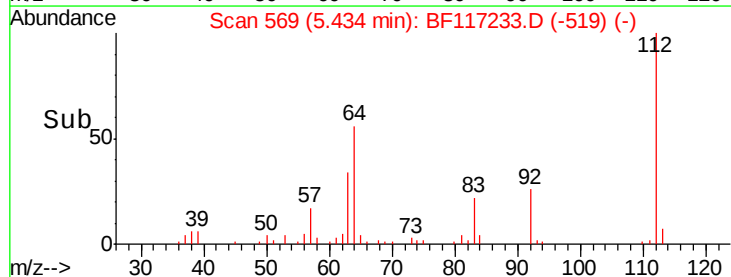
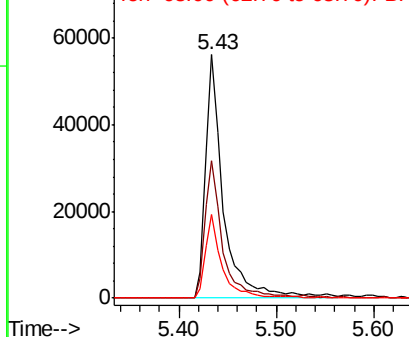


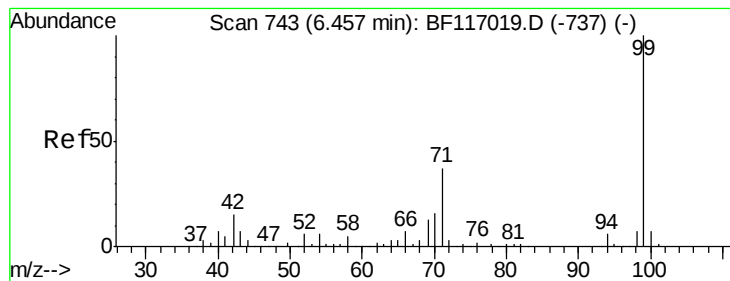
Abundance

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: 44.224 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117233.D

Acq: 24 Sep 2019 23:14

Instrument :

BNA_F

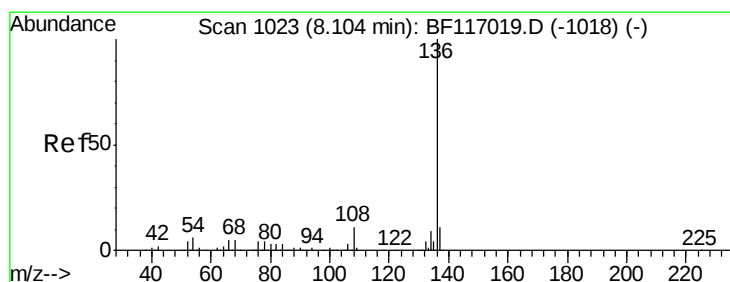
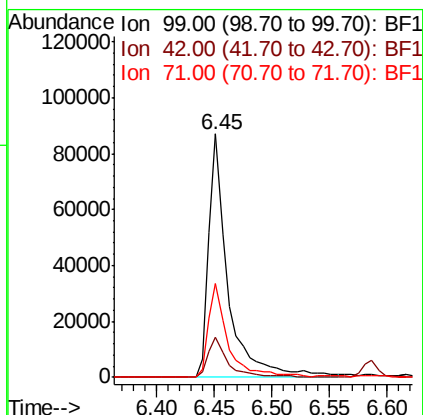
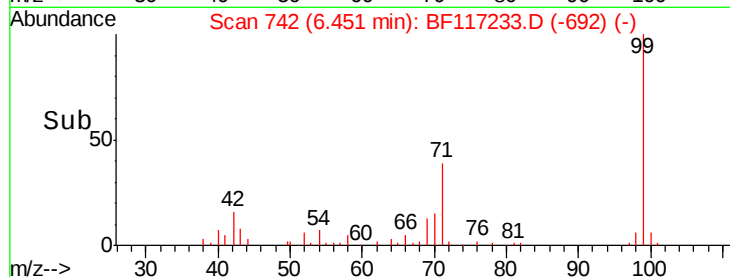
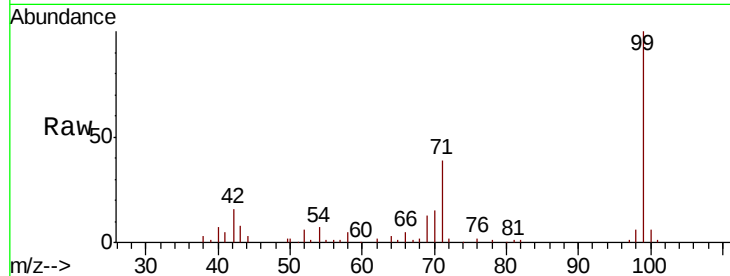
ClientSampleId :

OR-03-092319

Tot Ion:	99	Resp:	101454
Ion Ratio	Lower	Upper	
99	100		
42	16.3	12.2	18.2
71	38.7	29.8	44.8

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#21

Naphthalene-d8

Concen: 20.000 ng

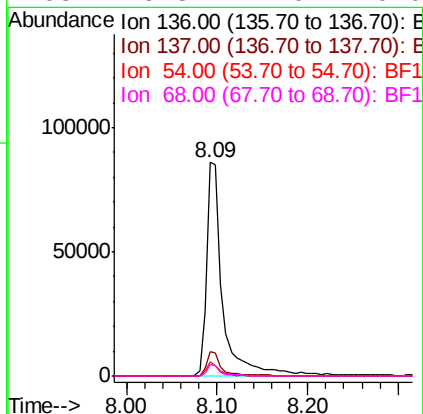
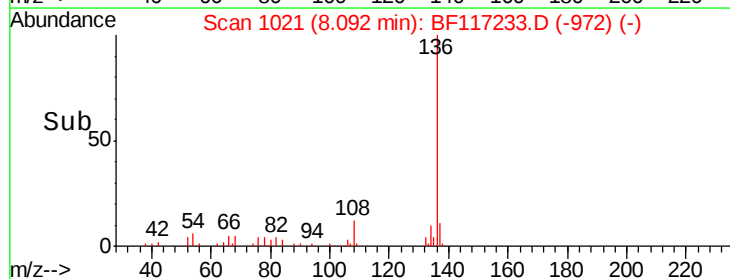
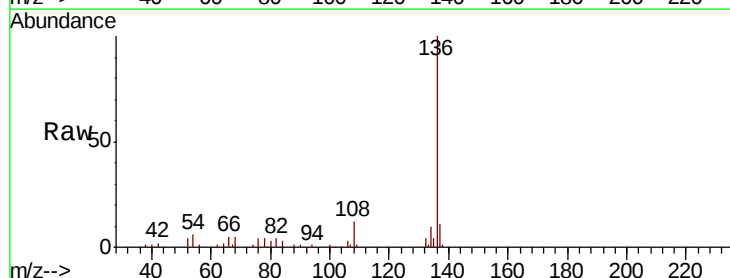
RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117233.D

Acq: 24 Sep 2019 23:14

Tgt Ion:	136	Resp:	109471
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	6.4	4.5	6.7
68	5.3	4.0	6.0





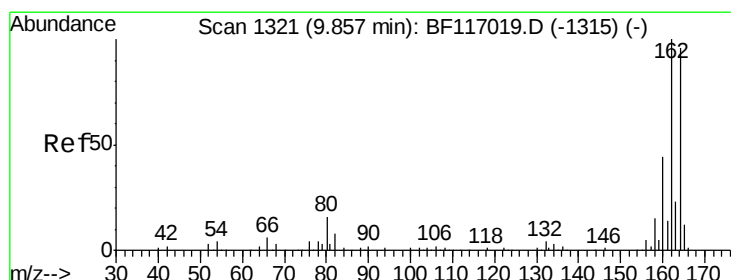
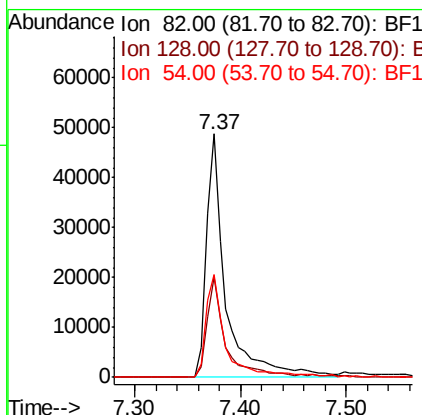
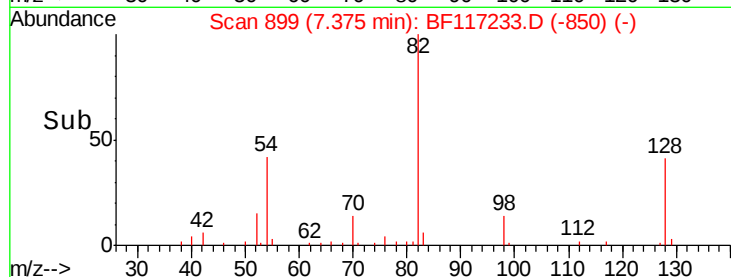
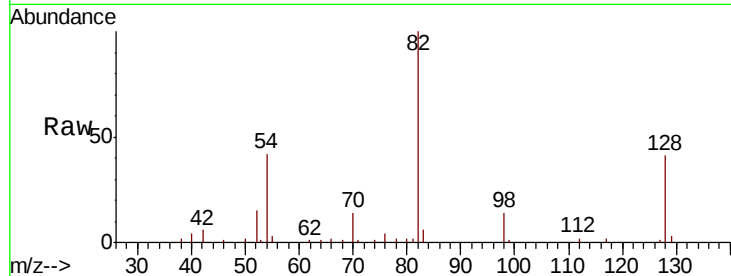
#23
Nitrobenzene-d5
Concen: 29.886 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.3	48.5
54	42.2	33.3	49.9

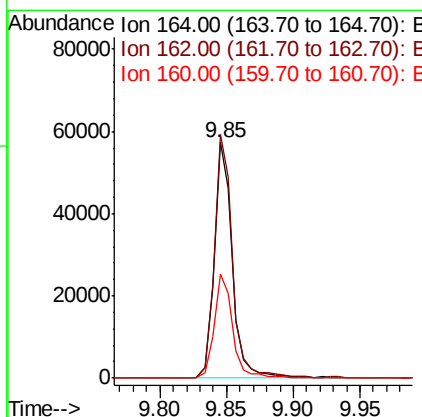
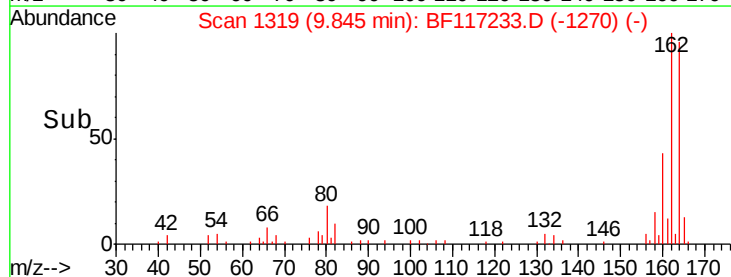
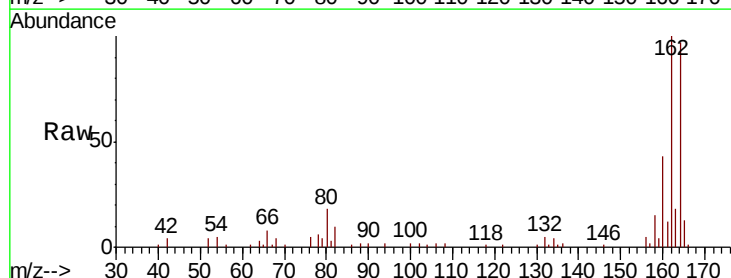
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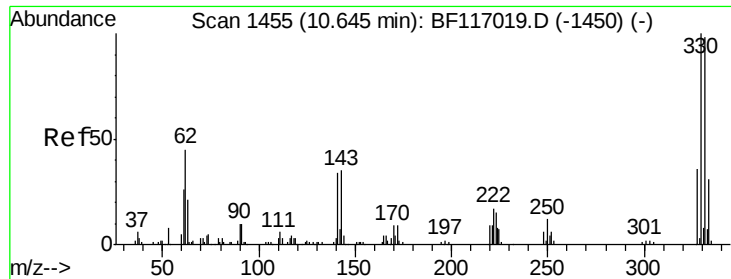
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.4	125.2
160	43.9	36.4	54.6





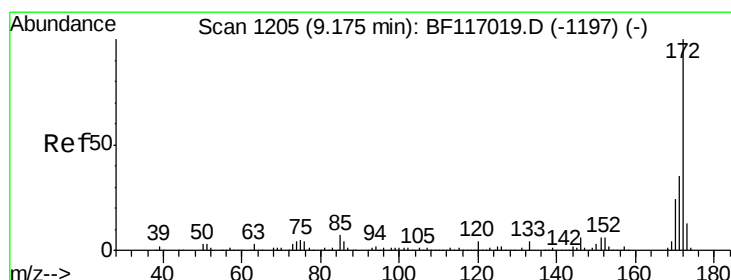
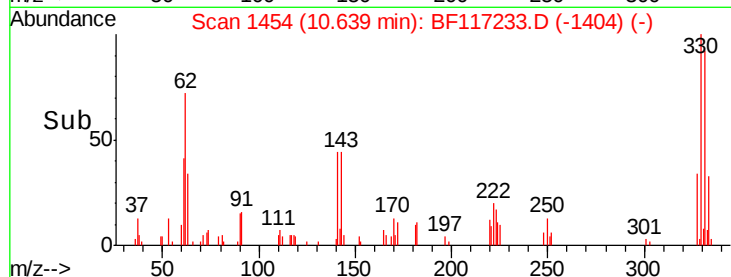
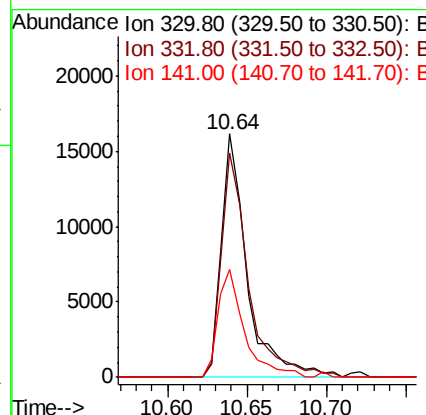
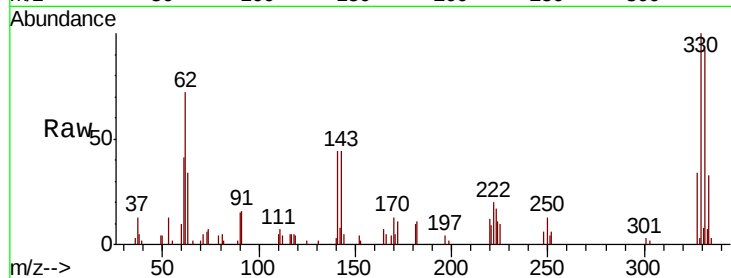
#42
 2,4,6-Tribromophenol
 Concen: 40.169 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117233.D
 Acq: 24 Sep 2019 23:14

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092319

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	45.0	35.8	53.6

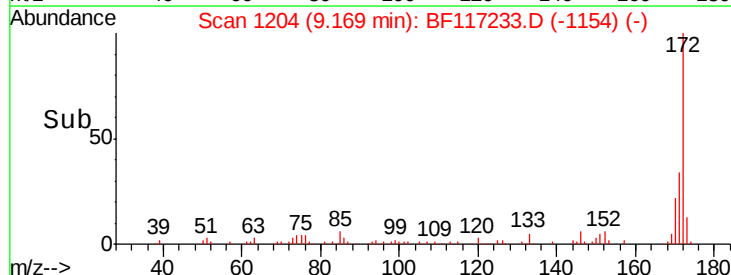
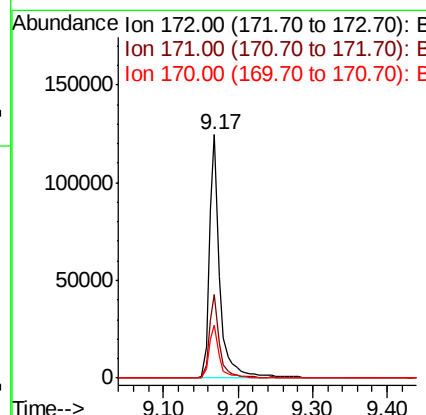
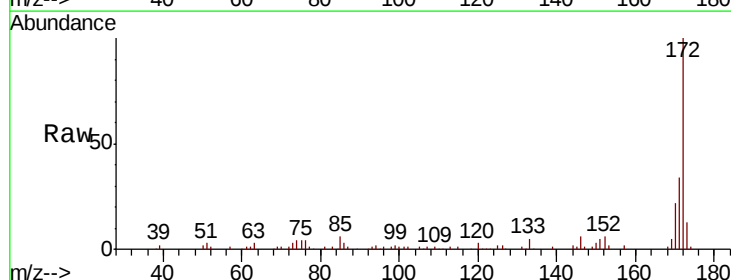
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#45
 2-Fluorobiphenyl
 Concen: 34.990 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117233.D
 Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	21.7	18.9	28.3





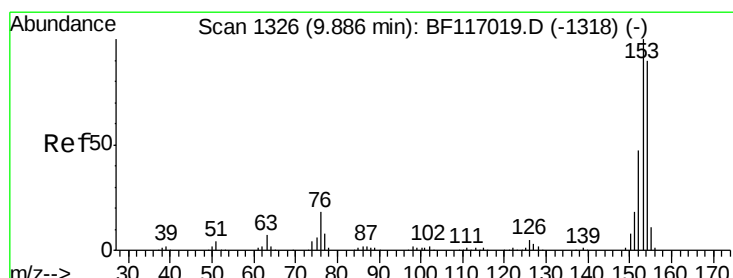
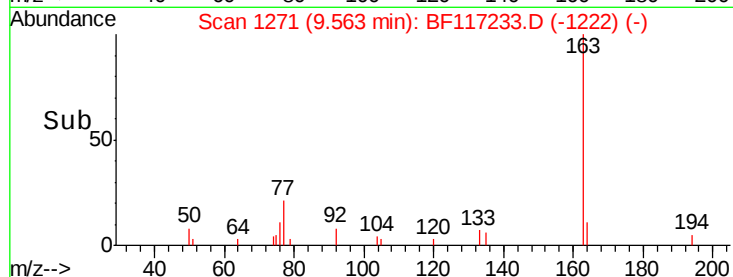
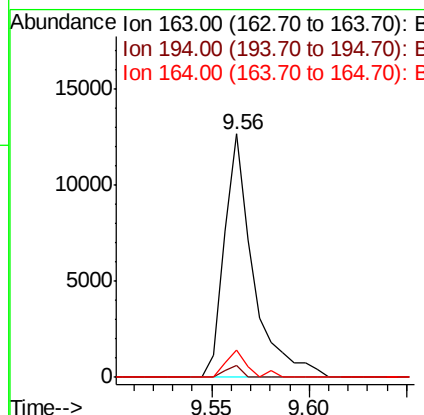
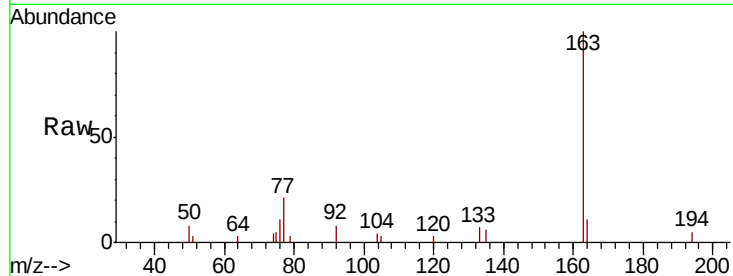
#50
Dimethylphthalate
Concen: 3.348 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.0	2.9	4.3#
164	11.3	8.2	12.4

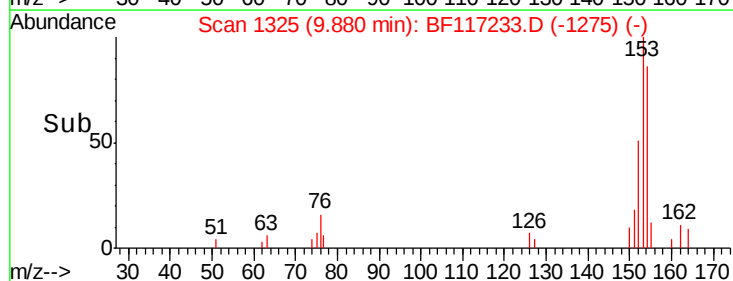
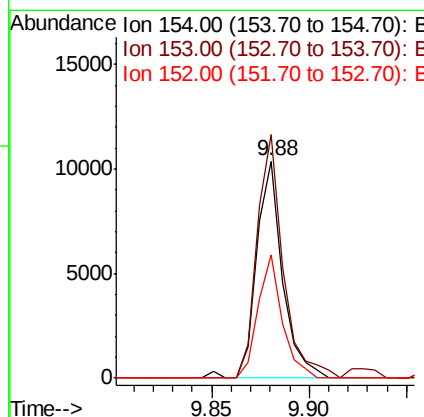
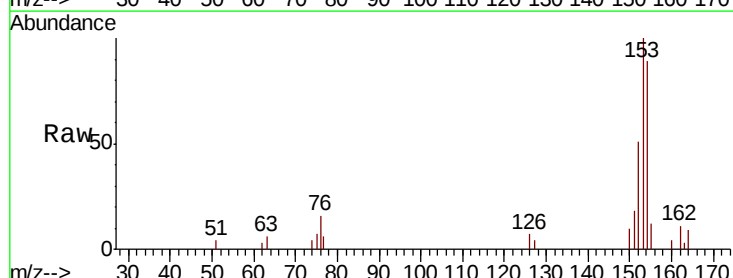
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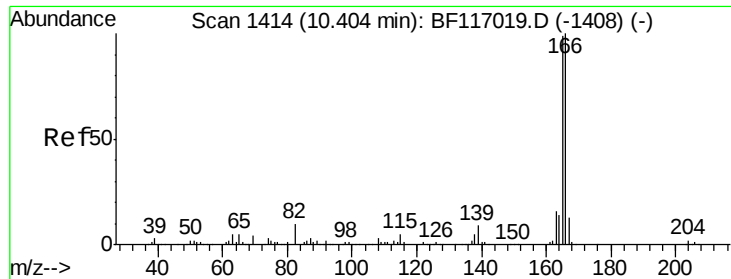
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#52
Acenaphthene
Concen: 3.188 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.0	133.6
152	56.8	41.9	62.9





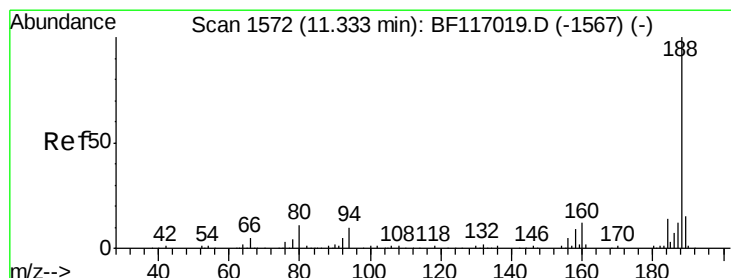
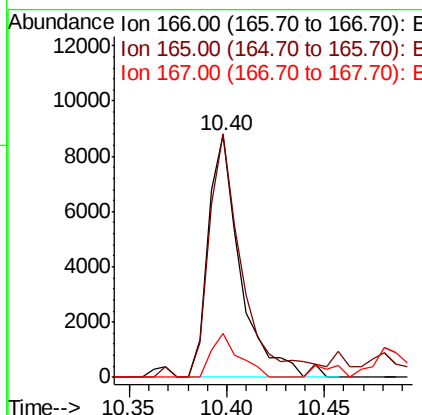
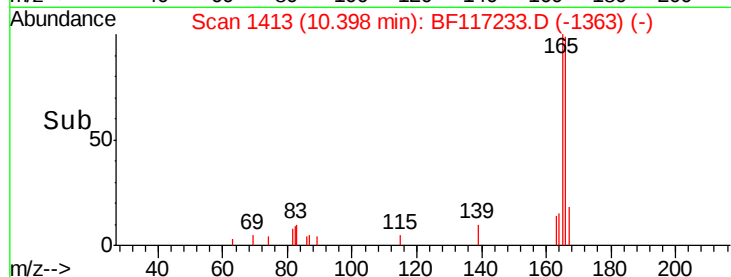
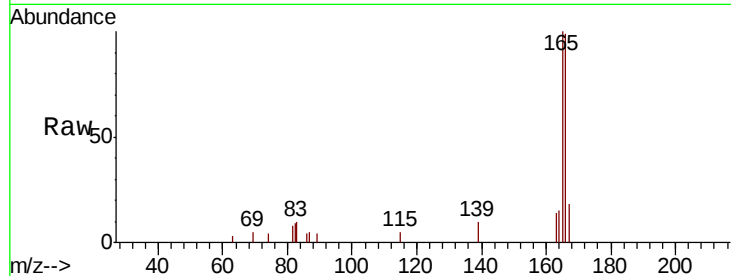
#58
 Fluorene
 Concen: 2.809 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF117233.D
 Acq: 24 Sep 2019 23:14

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092319

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.9	118.3
167	18.3	10.6	15.8

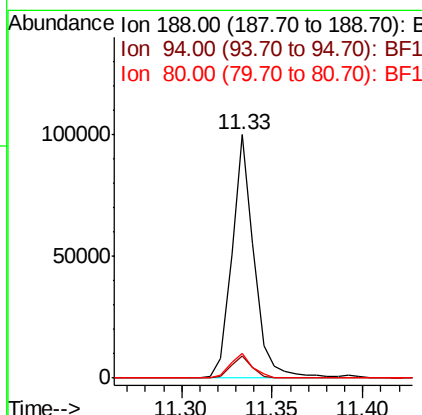
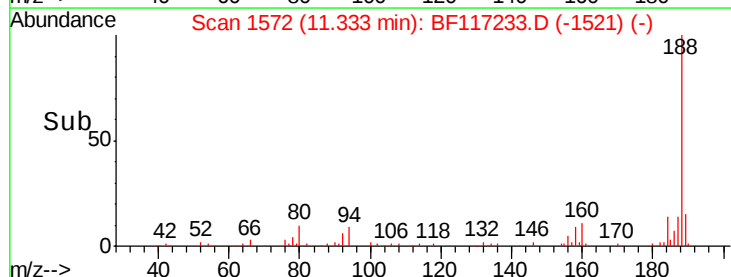
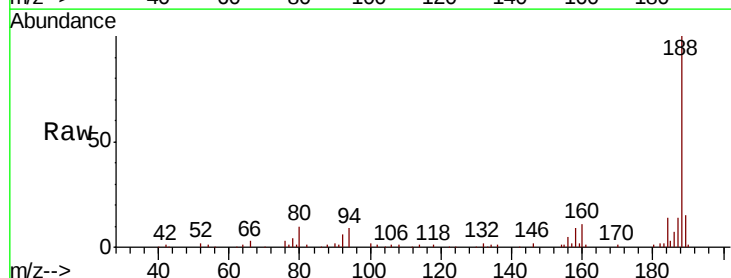
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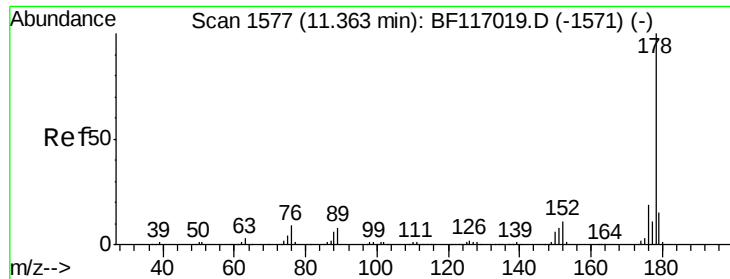
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117233.D
 Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	10.1	9.0	13.6





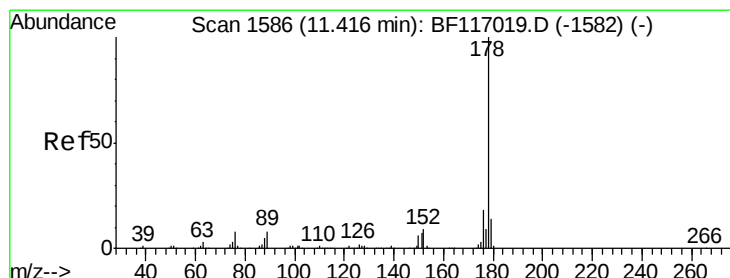
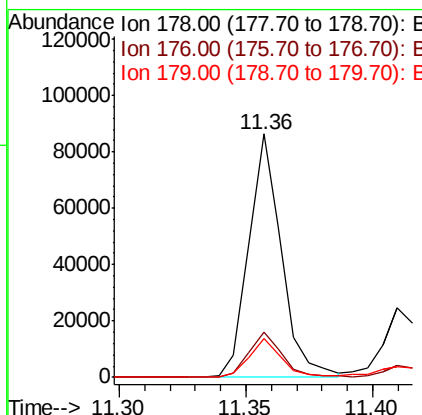
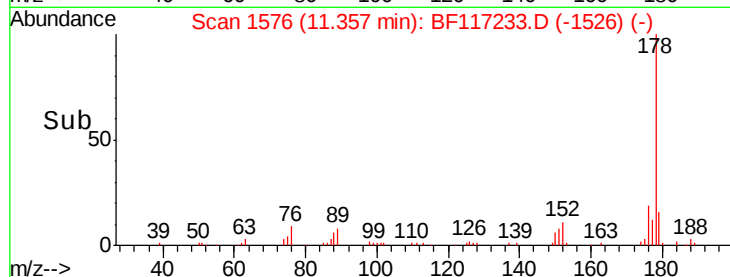
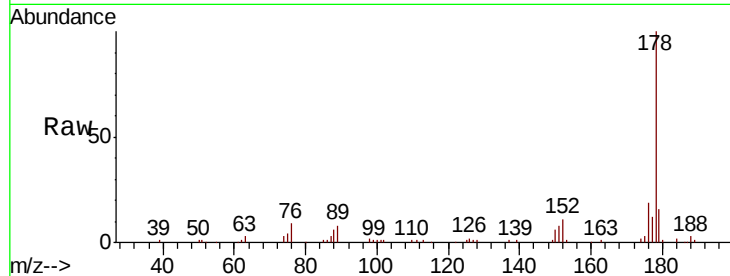
#71
Phenanthrene
Concen: 16.102 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.9	12.4	18.6

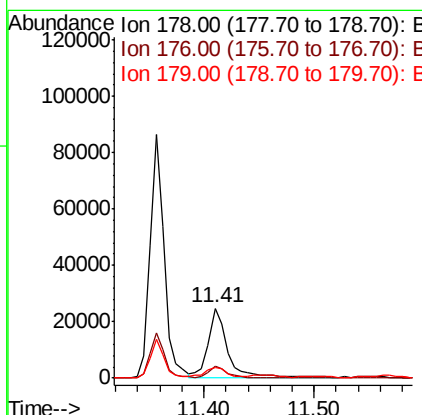
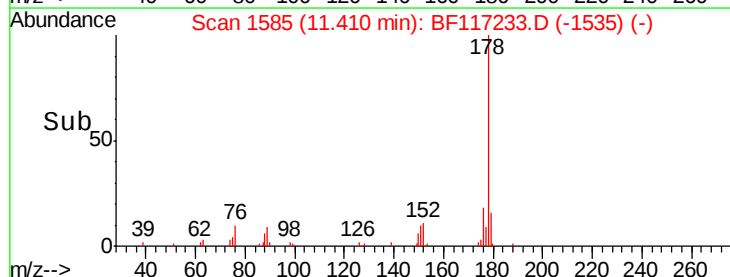
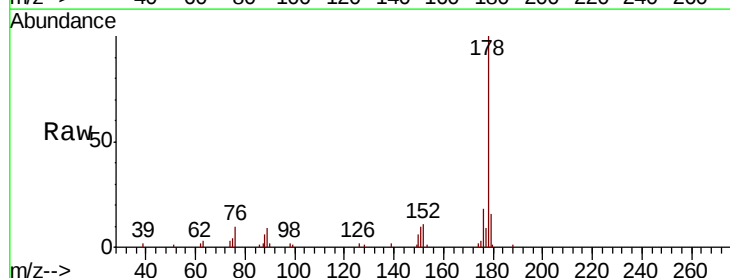
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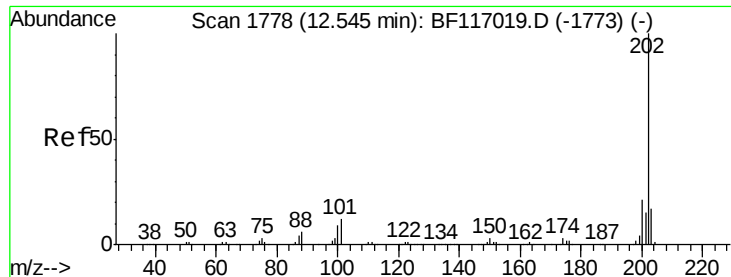
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#72
Anthracene
Concen: 6.231 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	16.0	11.6	17.4





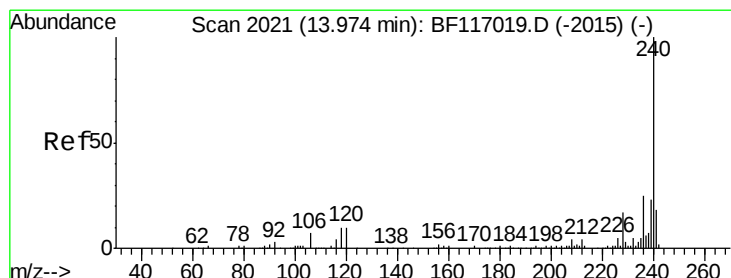
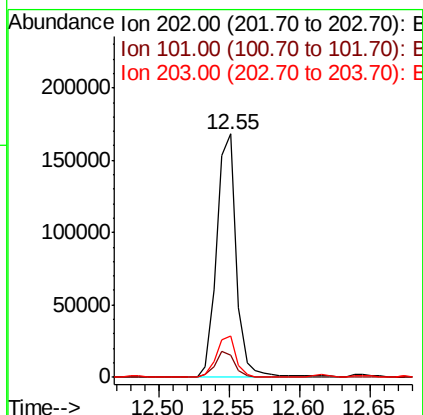
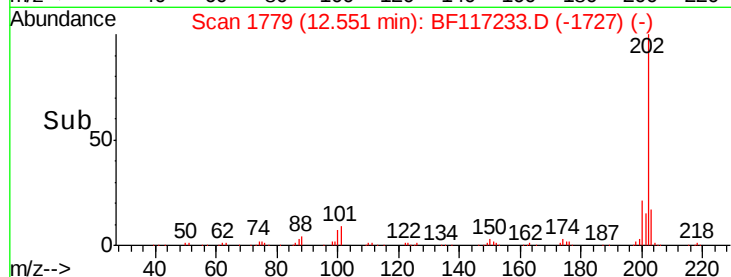
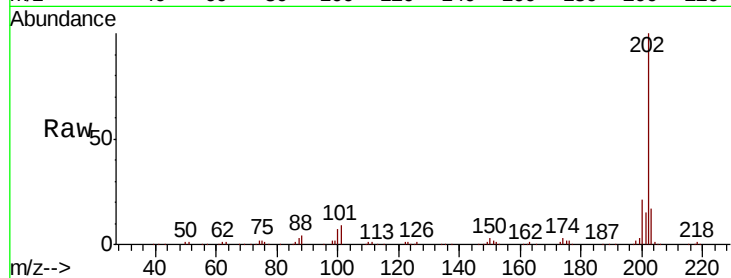
#75
Fluoranthene
Concen: 33.351 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	165074		
101	9.3	0.0	32.3	
203	17.0	0.0	37.1	

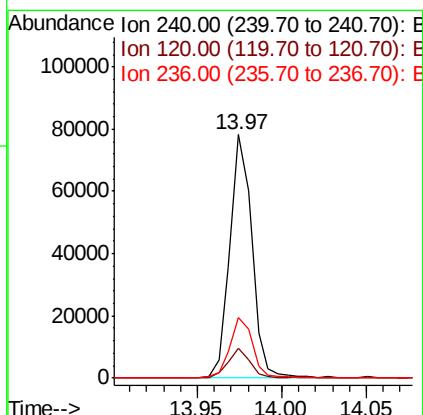
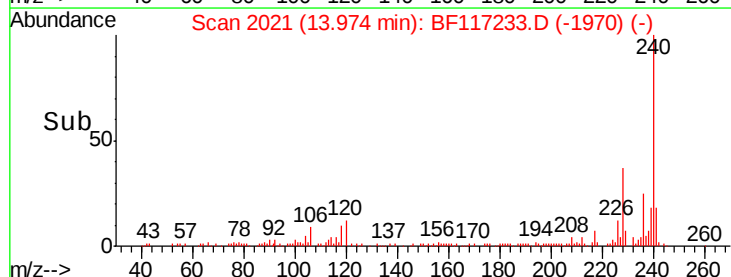
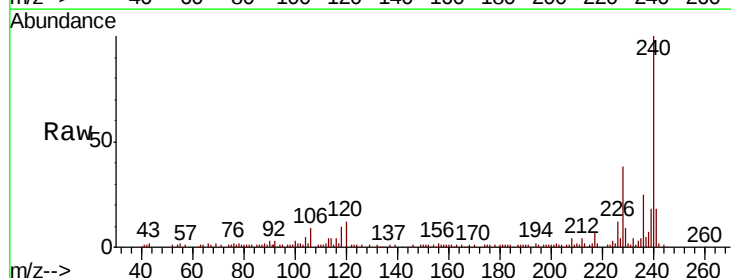
Manual Integrations
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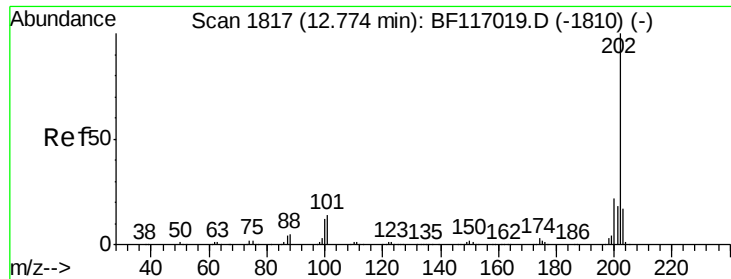
mohammad
9/26/2019 8:24:28 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	71474		
120	12.5	8.3	12.5	
236	25.0	20.3	30.5	





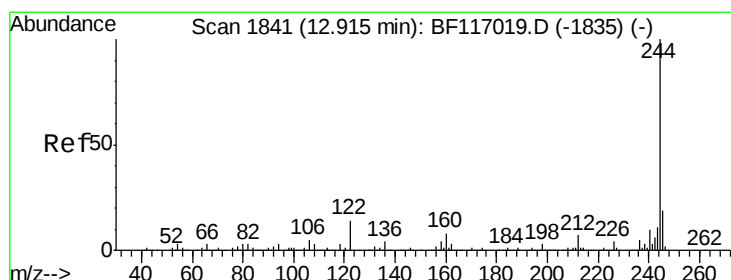
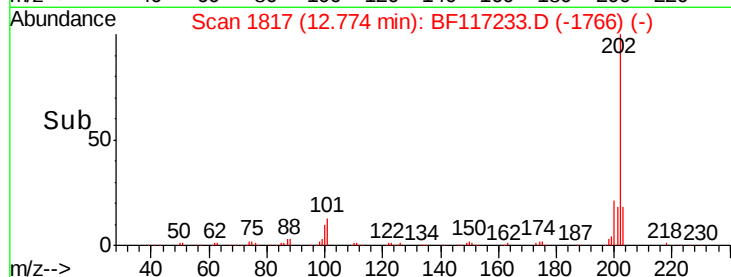
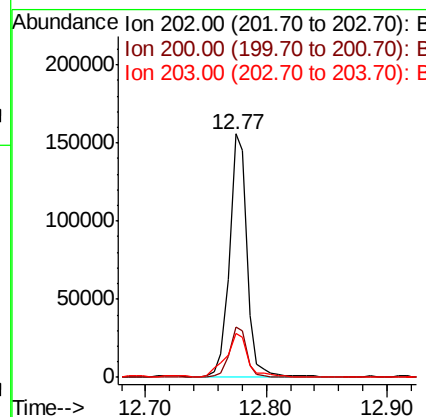
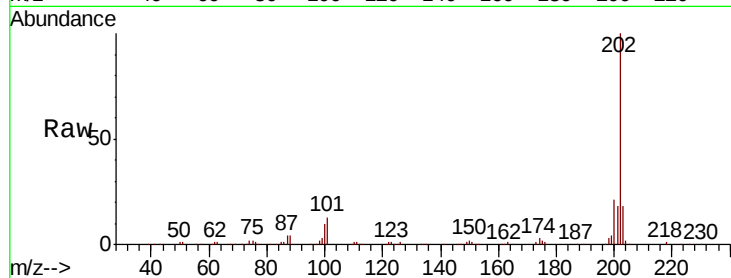
#78
Pvrene
Concen: 25.943 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	155584		
200	20.7		17.2	25.8
203	18.1		14.0	21.0

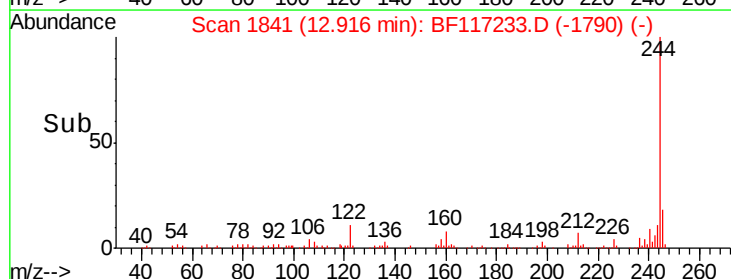
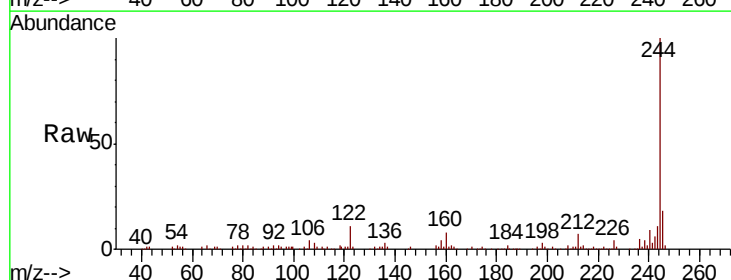
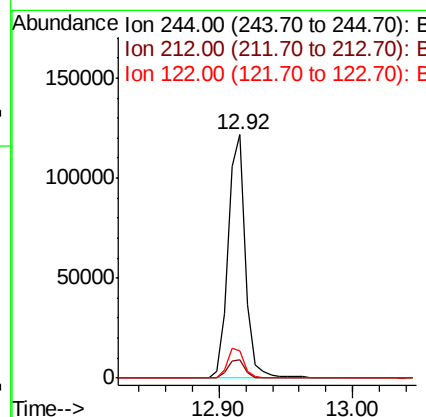
Manual Integrations
APPROVED

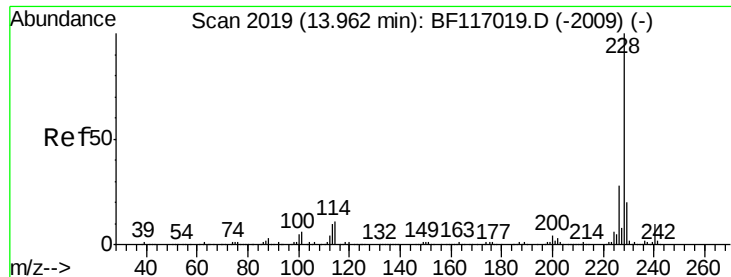
mohammad
9/26/2019 8:24:28 AM



#79
Terphenyl-d14
Concen: 29.152 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	111469		
212	7.5		5.8	8.8
122	11.4		11.3	16.9





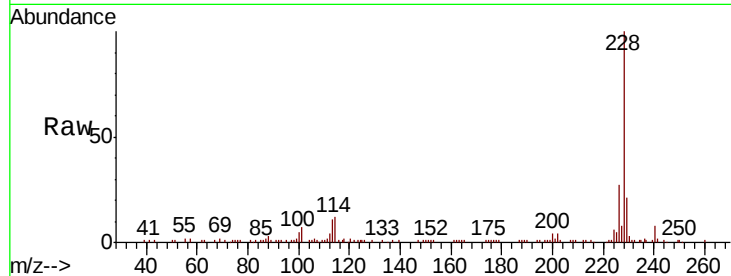
#81
Benzo(a)anthracene
Concen: 17.051 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.3	33.5
229	21.4	15.9	23.9

Manual Integrations
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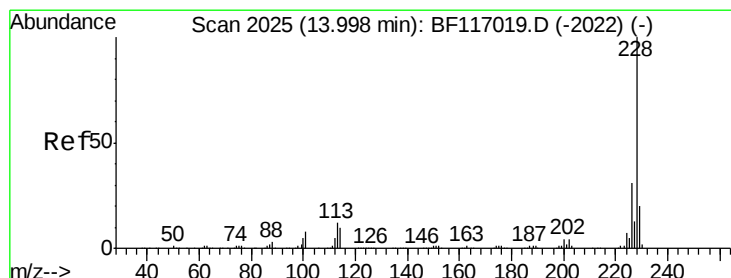
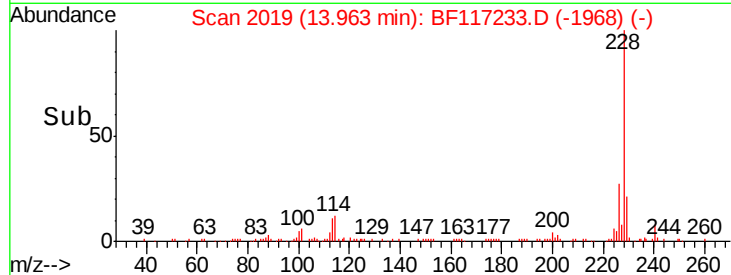
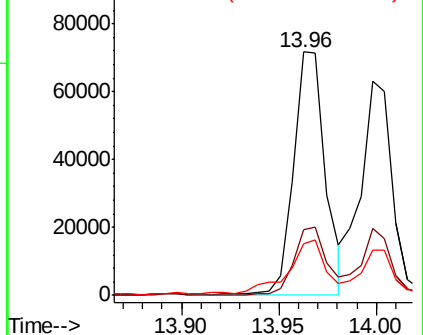


Abundance

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: 15.400 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

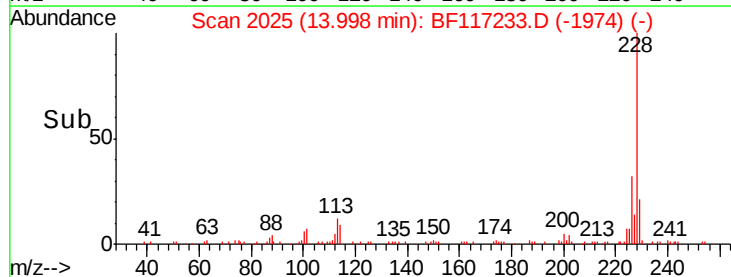
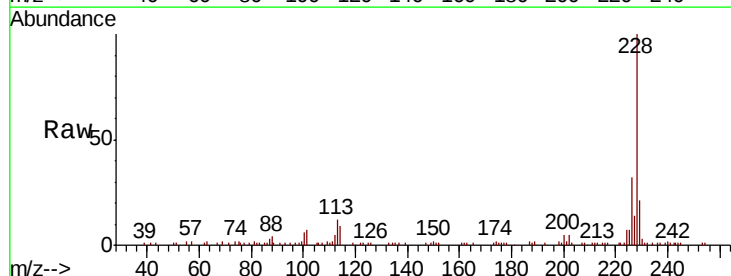
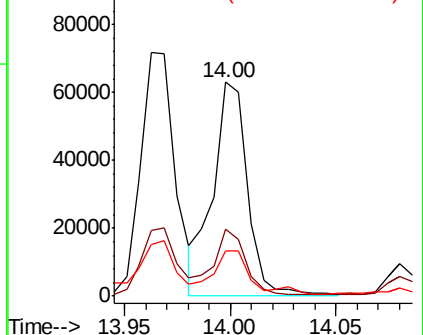
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.8	37.2
229	21.0	15.8	23.8

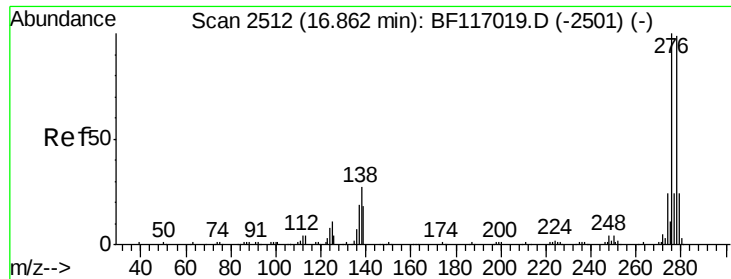
Abundance

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





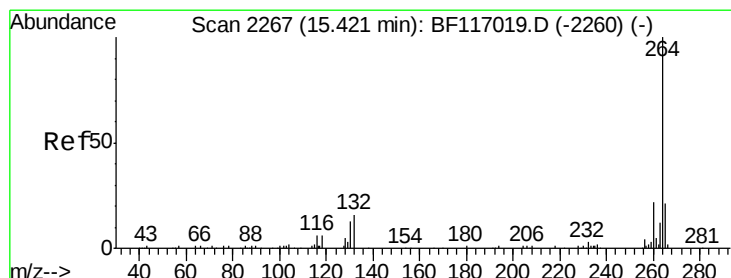
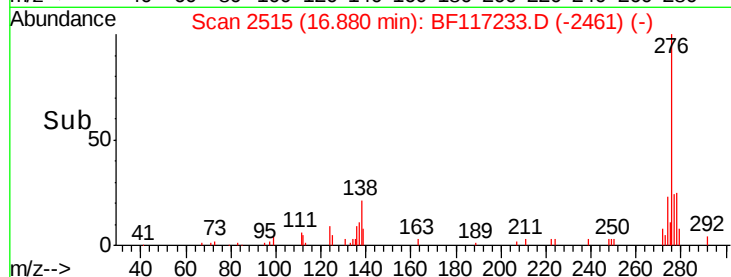
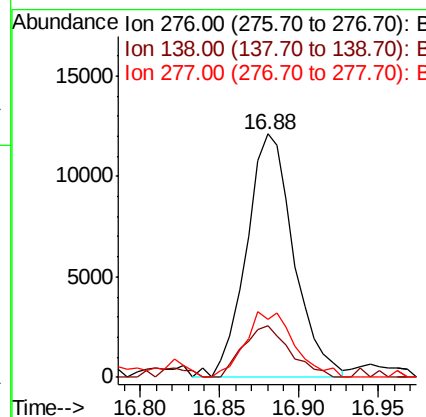
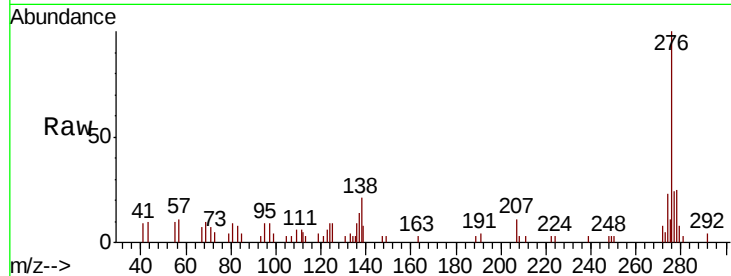
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.411 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.02 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.7	31.1
277	27.8	19.8	29.8

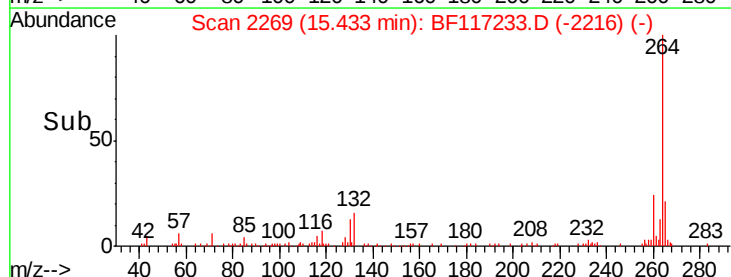
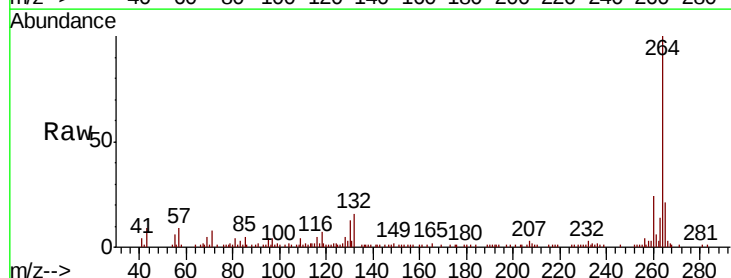
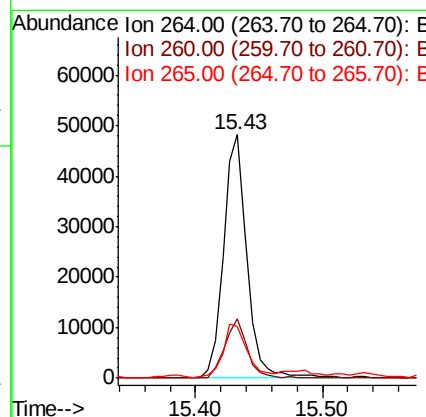
Manual Integrations
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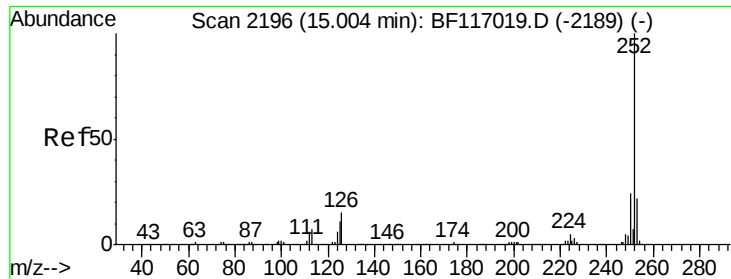
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.6	26.4
265	21.4	16.6	24.8





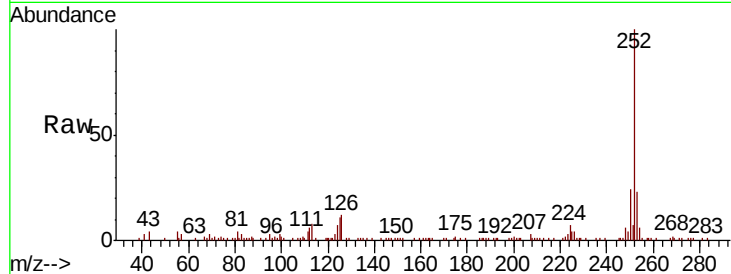
#88
Benzo(b)fluoranthene
Concen: 21.495 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.4	8.6	12.8

Manual Integrations
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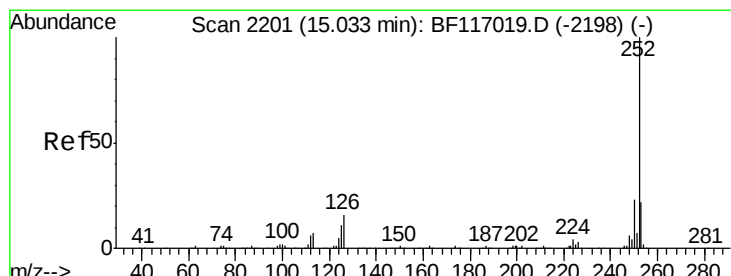
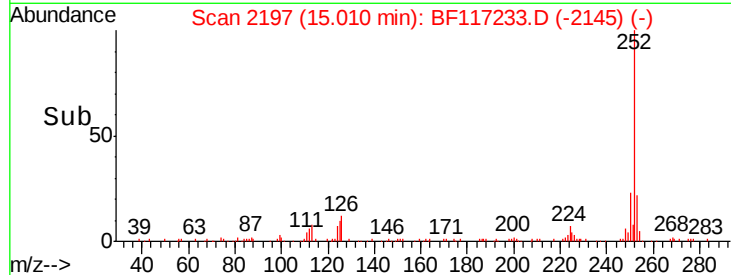
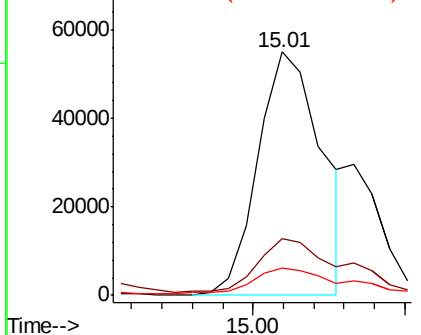


Abundance

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: 7.156 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

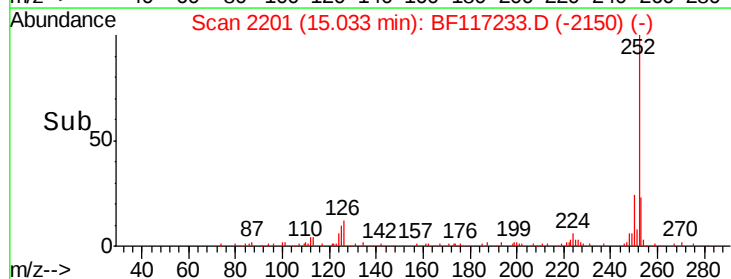
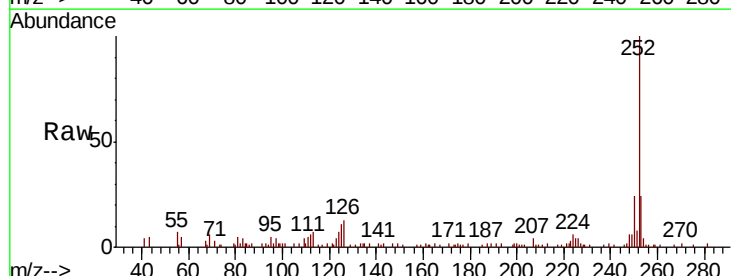
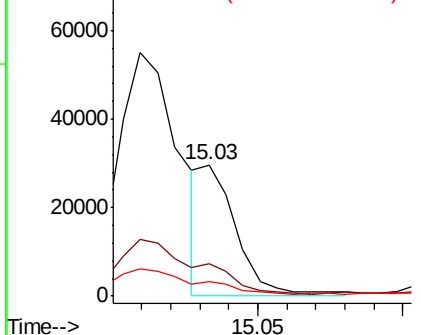
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	11.5	8.8	13.2

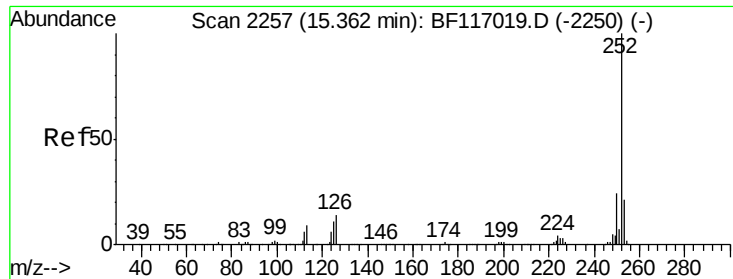
Abundance

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





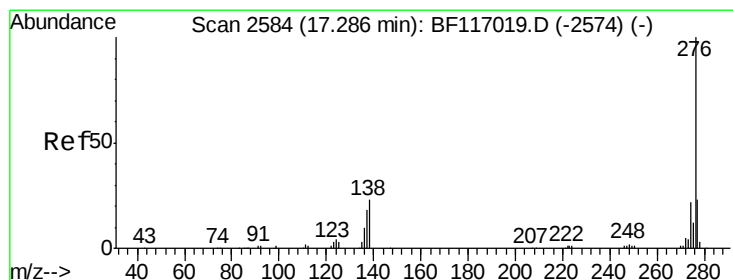
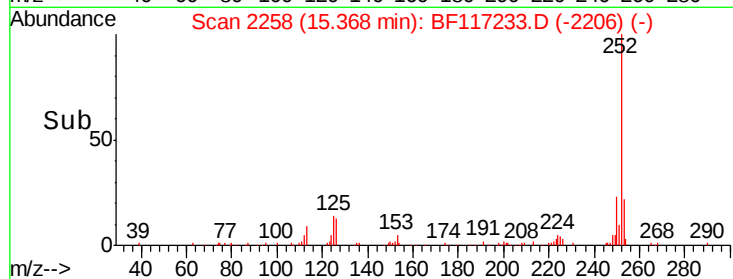
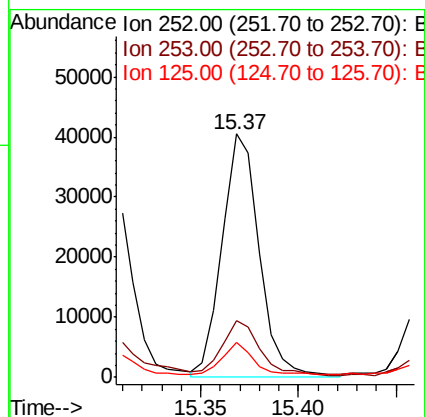
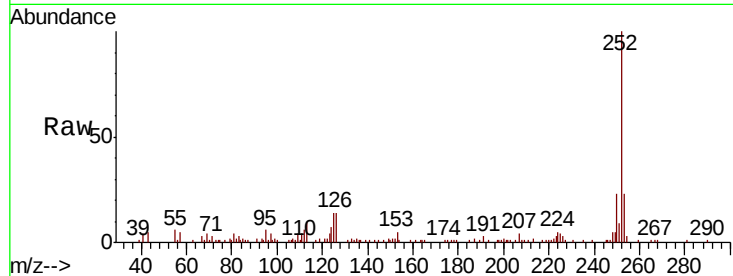
#90
Benzo(a)pyrene
Concen: 16.449 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
OR-03-092319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.6	25.0
125	14.5	8.9	13.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.921 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117233.D
Acq: 24 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	27.8
138	17.1	18.0	27.0

