

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117253.D
 Acq On : 25 Sep 2019 21:05
 Operator : JU
 Sample : K4657-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092419

Manual Integrations
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 9/26/2019 3:53:53 PM

Quant Time: Sep 26 04:04:33 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	6.82	152	35514	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	130380	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	60364	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	81070	20.00	ng	0.00
76) Chrysene-d12	13.97	240	62934	20.00	ng	0.00
87) Perylene-d12	15.43	264	63027	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	222827	97.96	ng	0.00
7) Phenol-d6	6.46	99	301672	102.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	189394	76.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	45666	90.52	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	227399	58.90	ng	0.00
79) Terphenyl-d14	12.92	244	154723	45.95	ng	0.00
Target Compounds						
10) Phenol	6.47	94	7542	2.327	ng	Qvalue 87
50) Dimethylphthalate	9.56	163	37449	8.762	ng	98
58) Fluorene	10.40	166	8134	2.062	ng	89
71) Phenanthrene	11.36	178	148256	32.196	ng	98
72) Anthracene	11.41	178	34456	7.329	ng	99
73) Carbazole	11.57	167	20817	4.665	ng	96
75) Fluoranthene	12.55	202	208249	44.015	ng	97
78) Pyrene	12.78	202	174088	32.967	ng	97
81) Benzo(a)anthracene	13.97	228	93388	22.210	ng	98
83) Chrysene	14.00	228	89228	21.758	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	28841	9.640	ng	98
88) Benzo(b)fluoranthene	15.02	252	90376m	23.672	ng	
89) Benzo(k)fluoranthene	15.04	252	36298m	10.037	ng	
90) Benzo(a)pyrene	15.37	252	64405	19.224	ng	97
91) Dibenzo(a,h)anthracene	16.89	278	8550	3.204	ng	96
92) Benzo(g,h,i)perylene	17.32	276	26866	10.102	ng	# 92

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

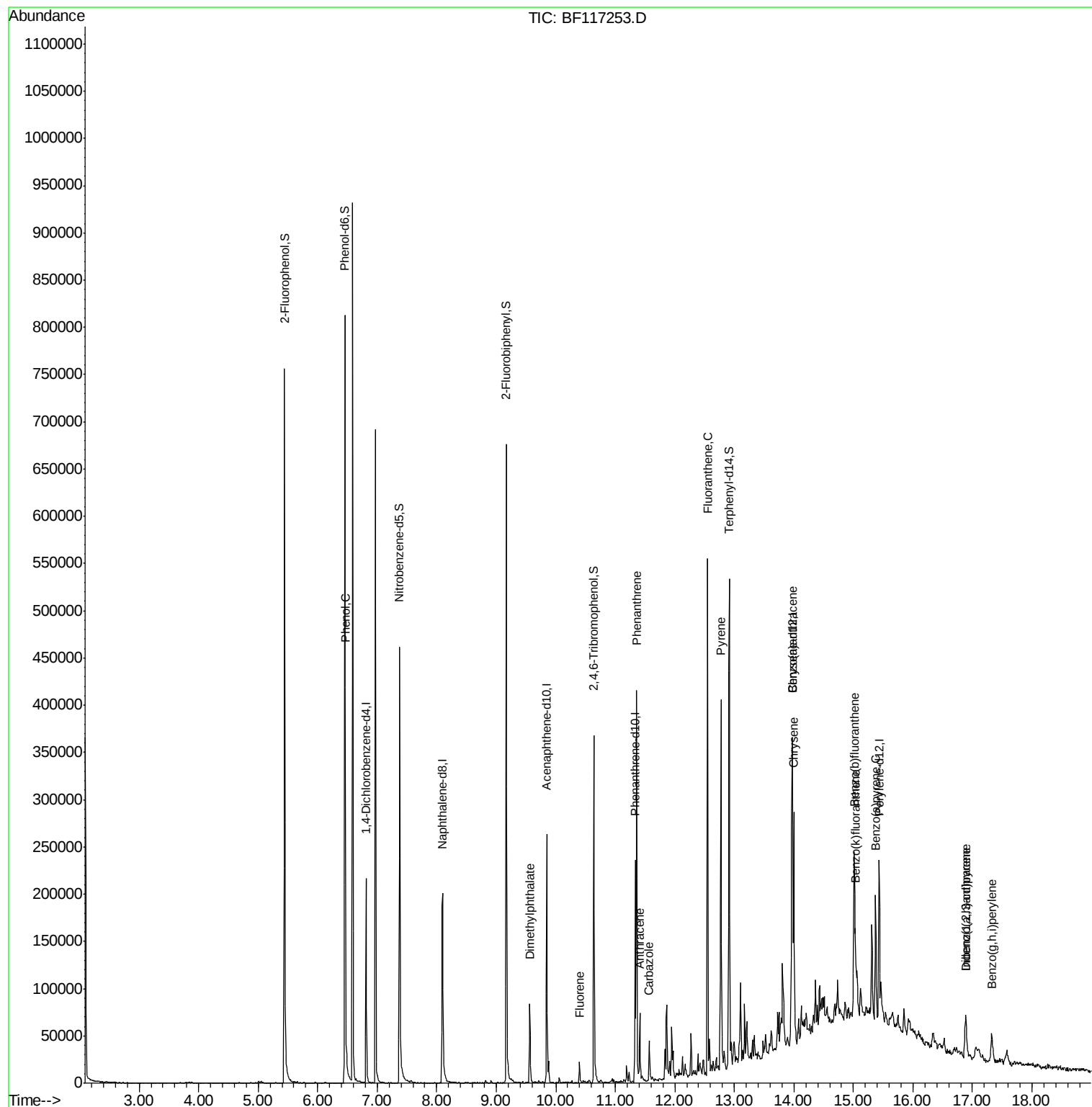
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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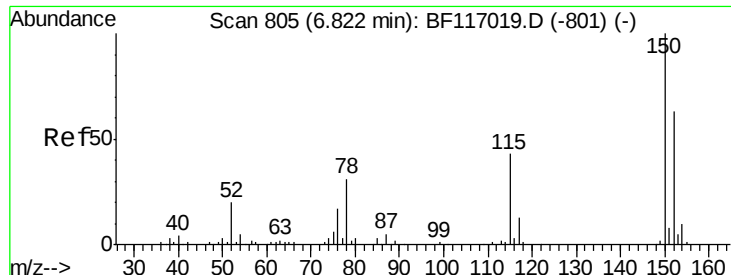
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#1

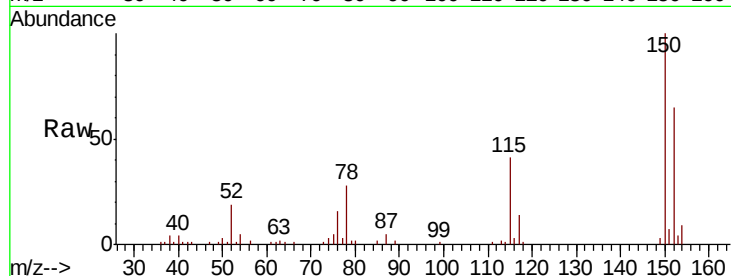
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	127.5	191.3
115	62.3	55.0	82.4

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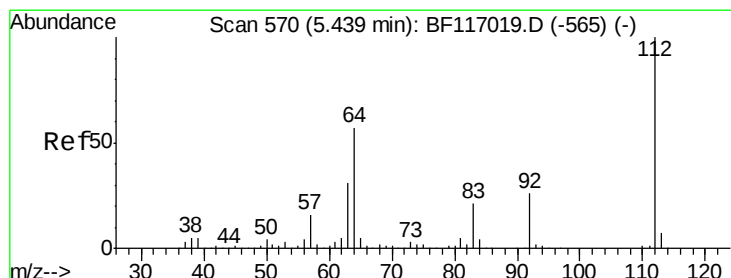
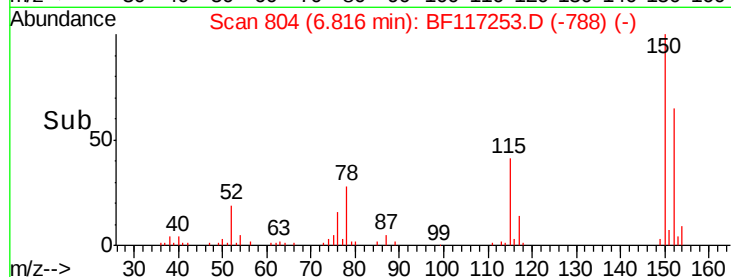
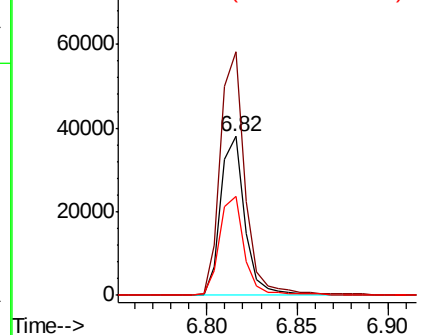


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

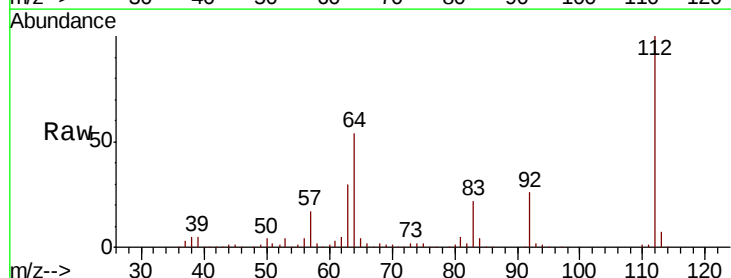
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.958 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.7	68.5
63	30.5	24.9	37.3

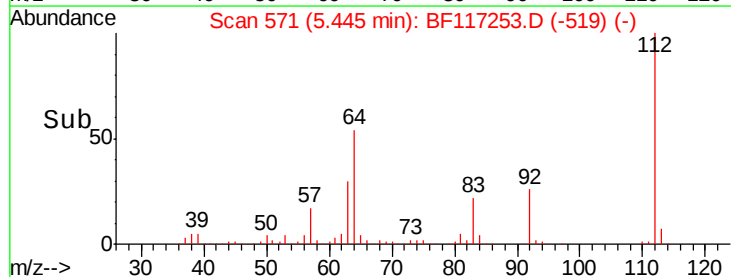
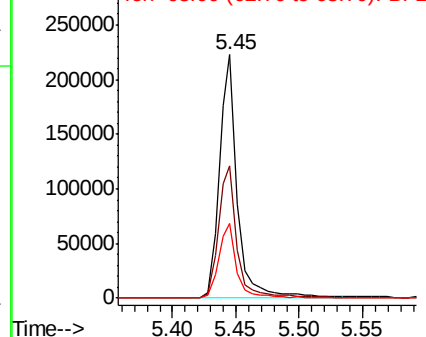


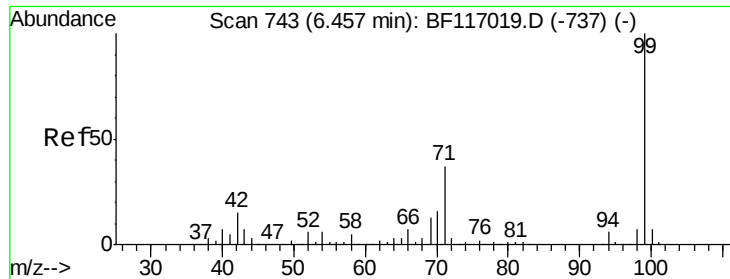
Abundance

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: 102.618 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117253.D

Acq: 25 Sep 2019 21:05

Instrument :

BNA_F

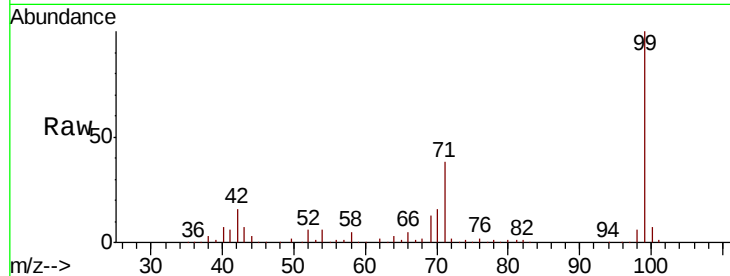
ClientSampleId :

BU-02-092419

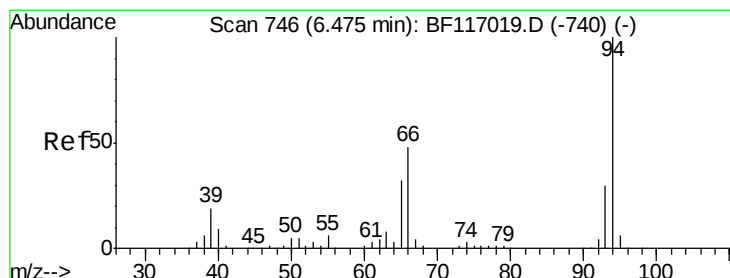
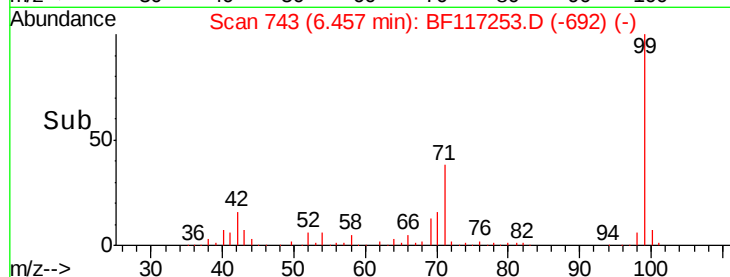
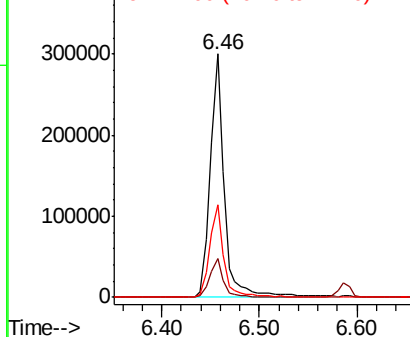
Tot Ion:	99	Resp:	301672
Ion Ratio	Lower	Upper	
99	100		
42	15.9	12.2	18.2
71	38.0	29.8	44.8

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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



#10

Phenol

Concen: 2.327 ng

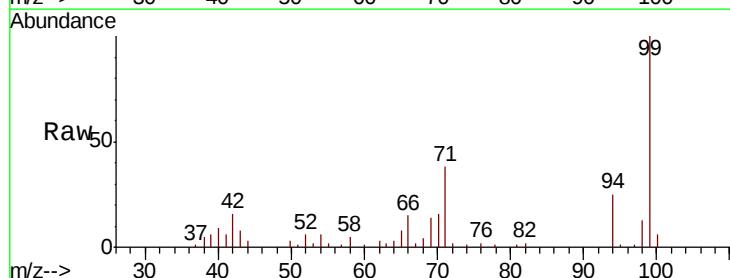
RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

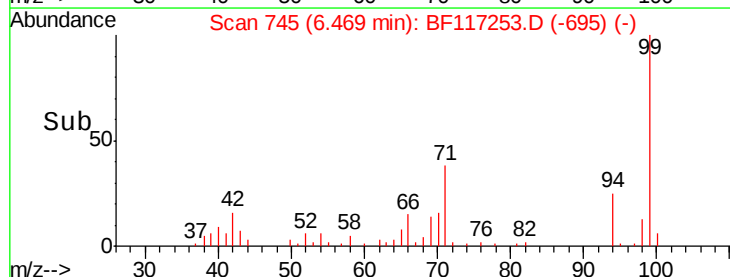
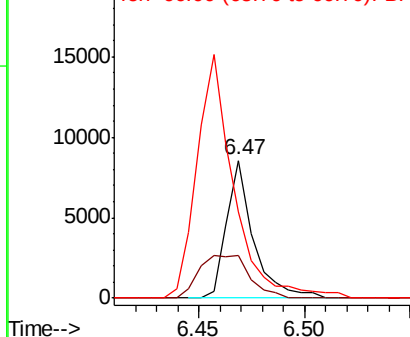
Lab File: BF117253.D

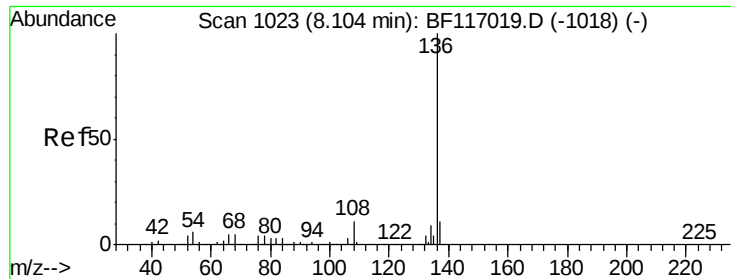
Acq: 25 Sep 2019 21:05

Tgt Ion:	94	Resp:	7542
Ion Ratio	Lower	Upper	
94	100		
65	31.0	12.5	52.5
66	62.6	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





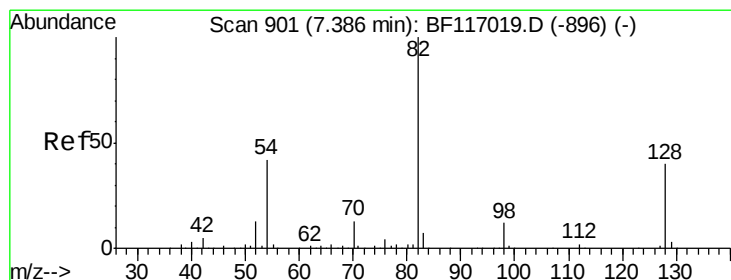
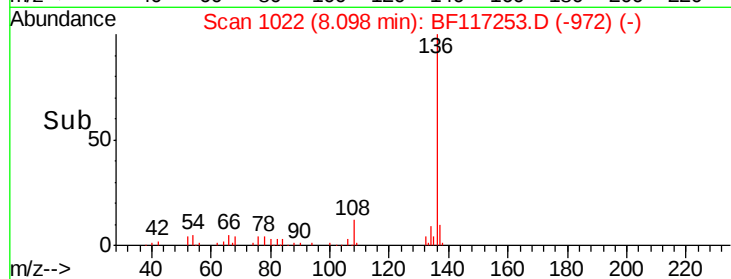
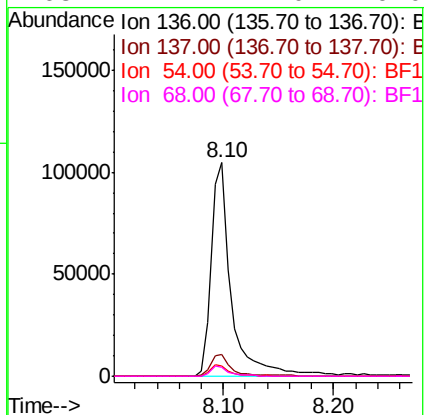
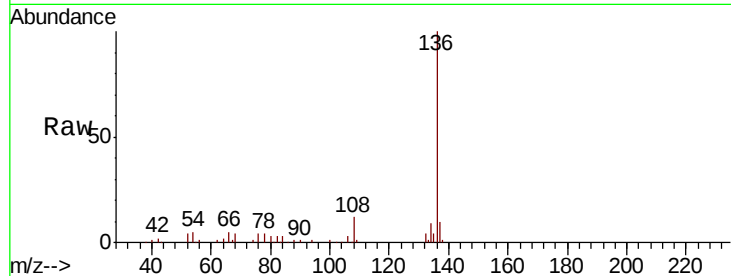
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Resp	Lower	Upper
136	100	130380		
137	10.2	9.0	13.4	
54	4.7	4.5	6.7	
68	4.1	4.0	6.0	

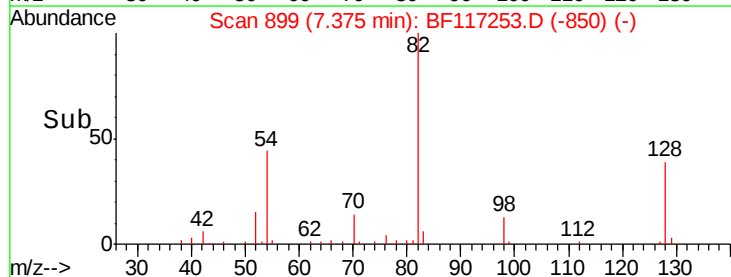
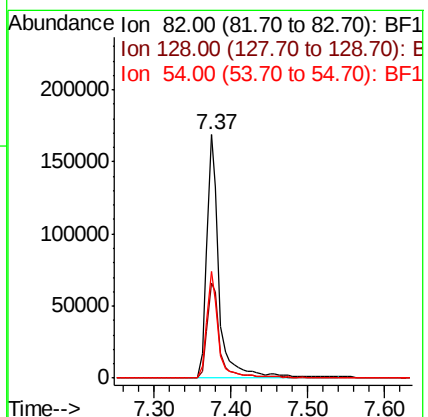
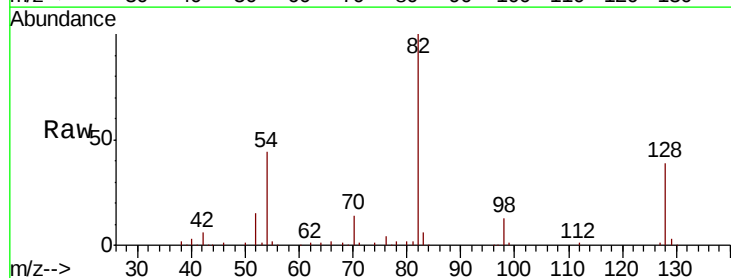
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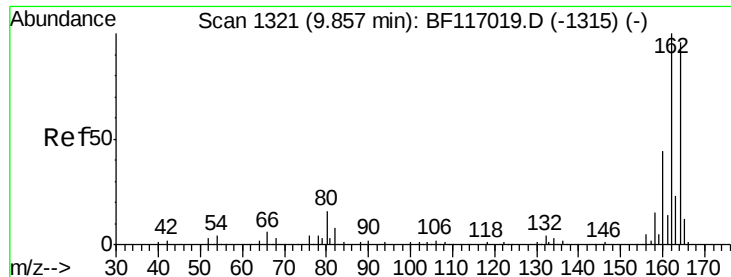
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#23
Nitrobenzene-d5
Concen: 76.325 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	189394		
128	39.1	32.3	48.5	
54	43.8	33.3	49.9	





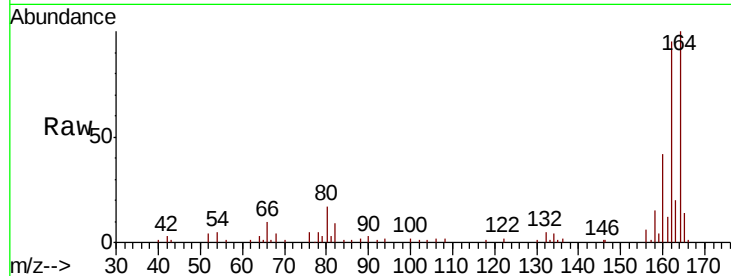
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.3	83.4	125.2
160	42.2	36.4	54.6

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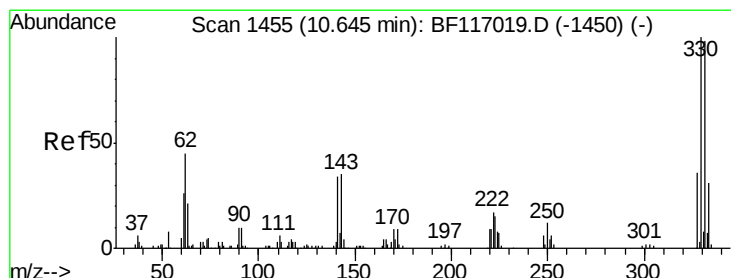
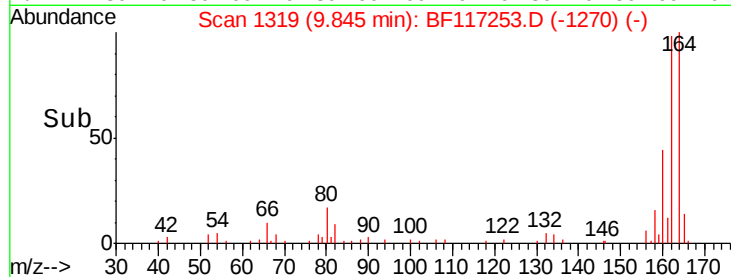
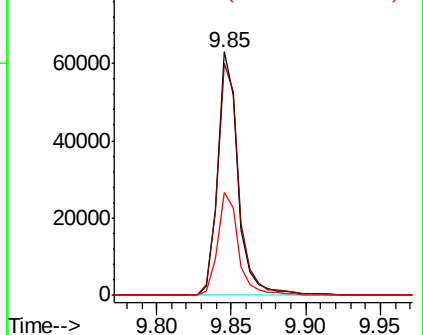


Abundance

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: 90.516 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

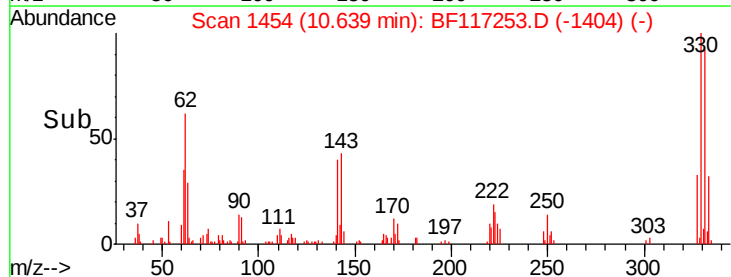
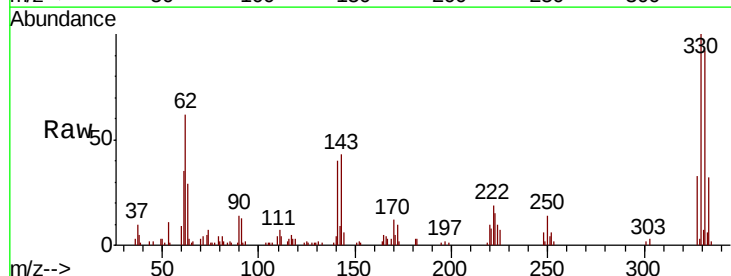
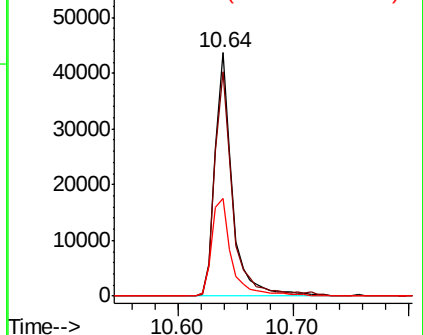
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	45.6	35.8	53.6

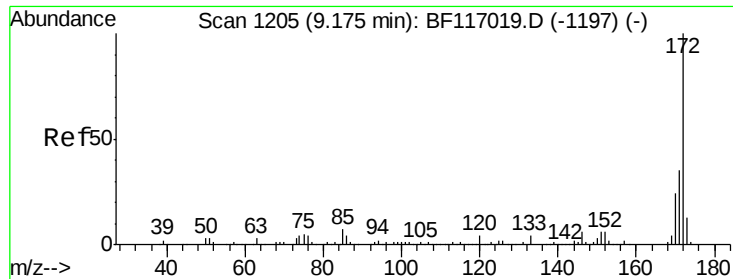
Abundance

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





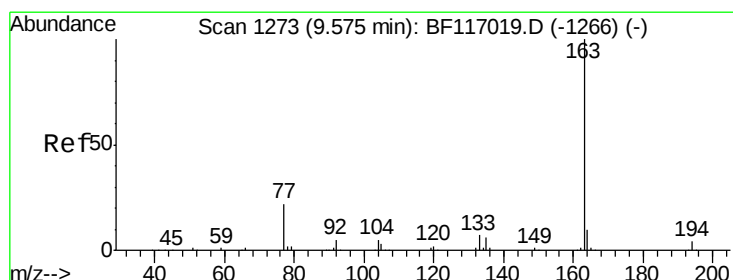
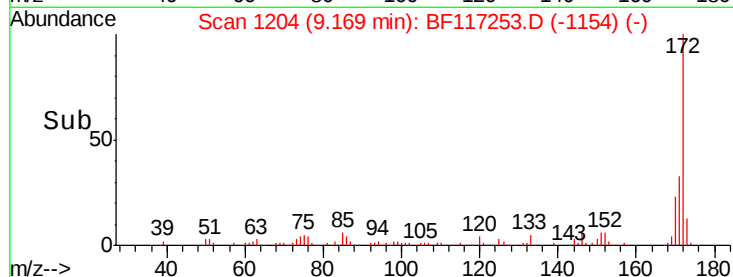
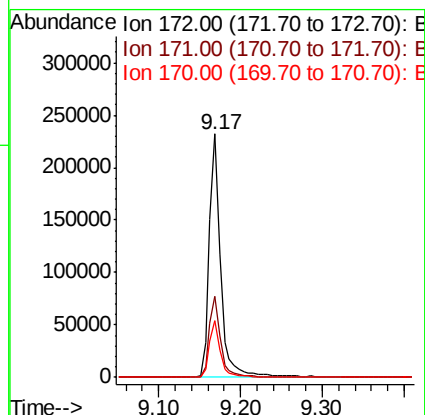
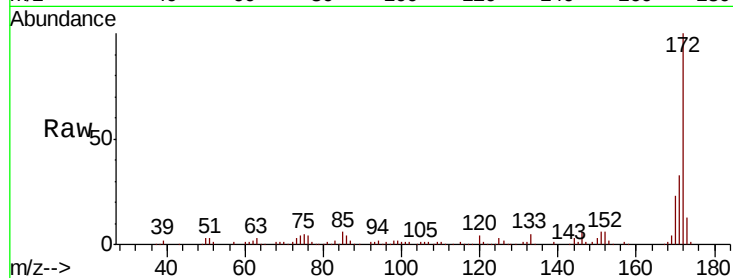
#45
2-Fluorobiphenyl
Concen: 58.902 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	28.2	42.2
170	23.5	18.9	28.3

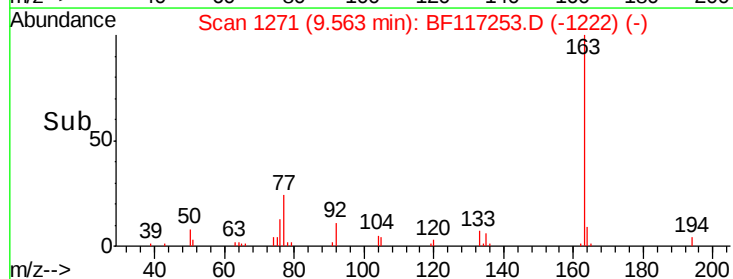
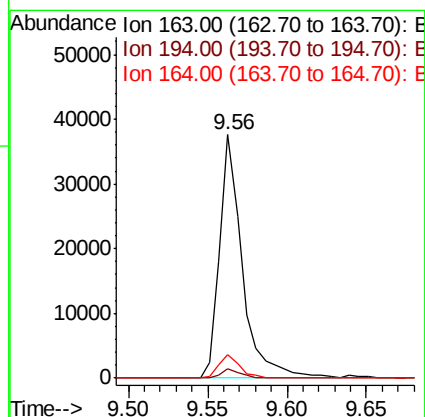
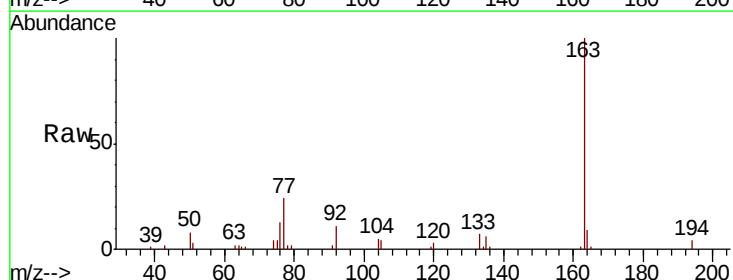
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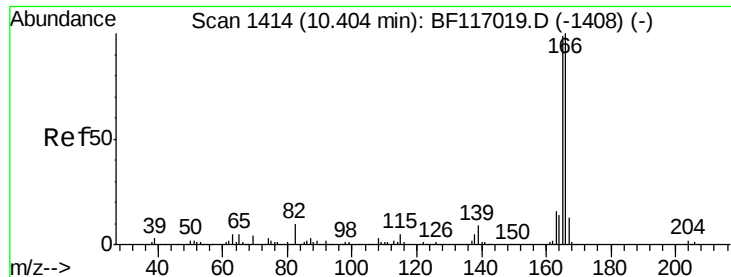
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#50
Dimethylphthalate
Concen: 8.762 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	9.5	8.2	12.4





#58

Fluorene

Concen: 2.062 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF117253.D

Acq: 25 Sep 2019 21:05

Instrument :

BNA_F

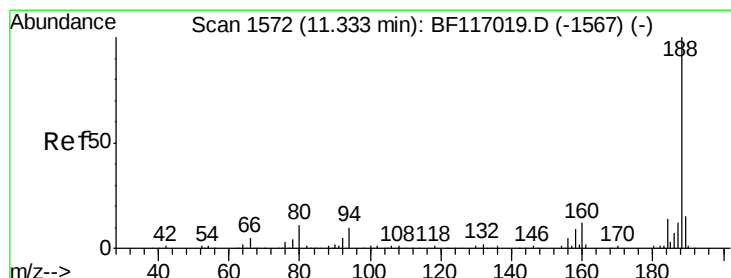
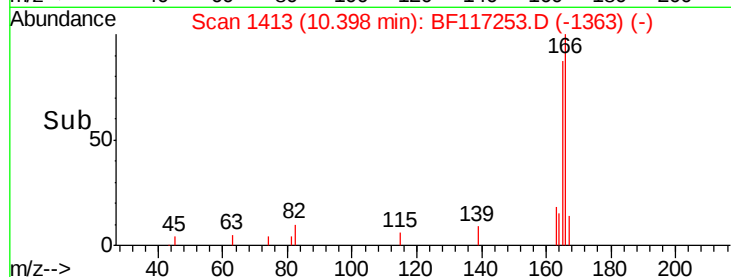
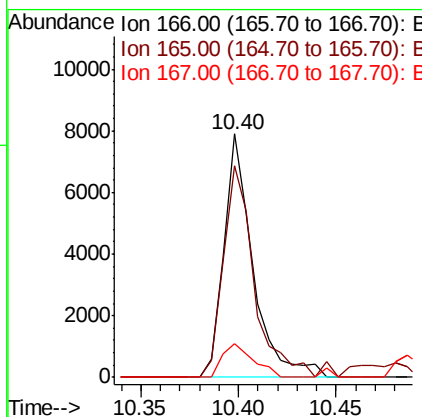
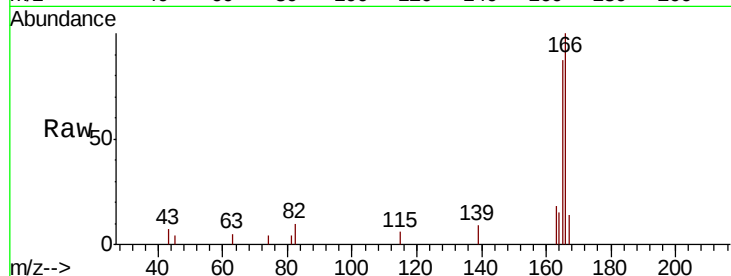
ClientSampleId :

BU-02-092419

Tot Ion:	166	Resp:	8134
Ion Ratio	Lower	Upper	
166	100		
165	86.8	78.9	118.3
167	13.7	10.6	15.8

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#64

Phenanthrene-d10

Concen: 20.000 ng

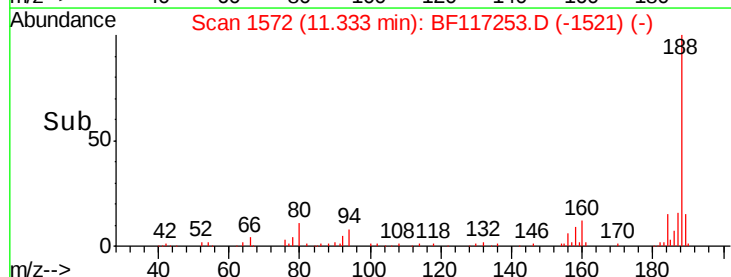
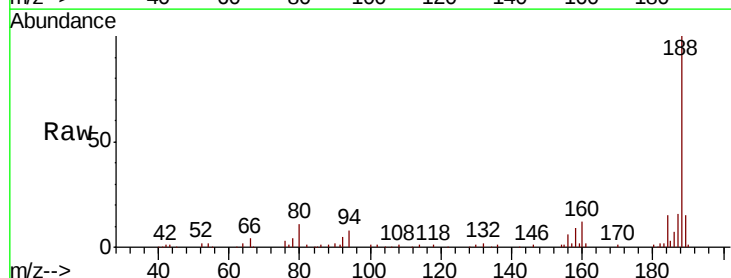
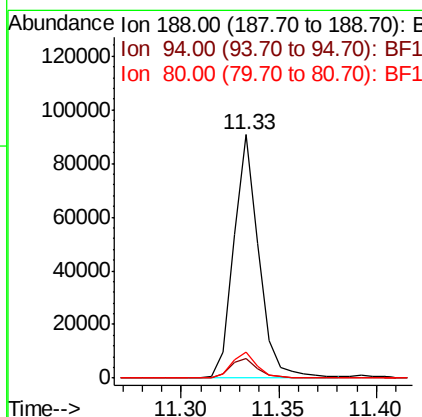
RT: 11.33 min Scan# 1572

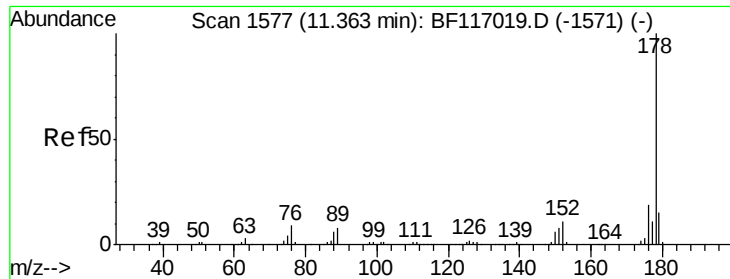
Delta R.T. 0.00 min

Lab File: BF117253.D

Acq: 25 Sep 2019 21:05

Tgt Ion:	188	Resp:	81070
Ion Ratio	Lower	Upper	
188	100		
94	8.1	8.2	12.2#
80	10.5	9.0	13.6





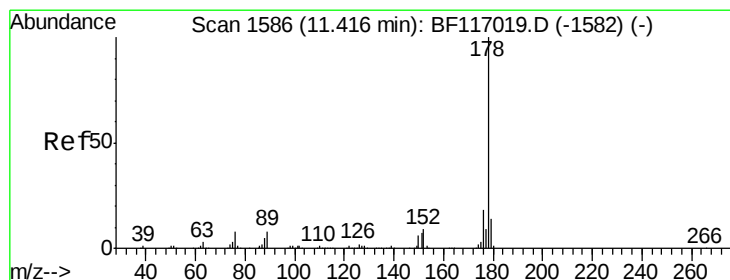
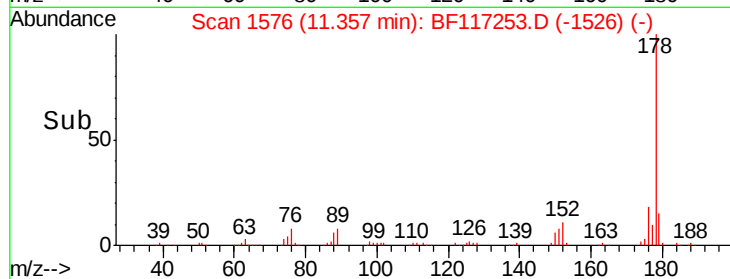
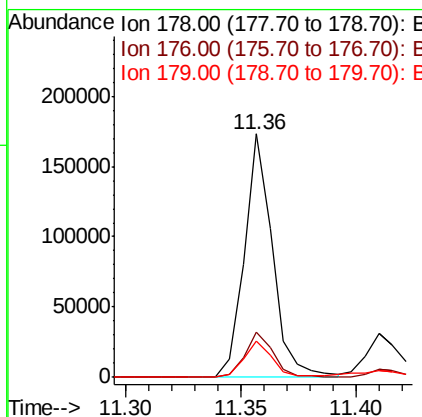
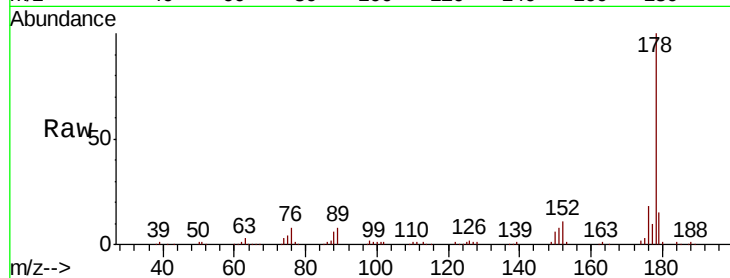
#71
Phenanthrene
Concen: 32.196 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.4	18.6

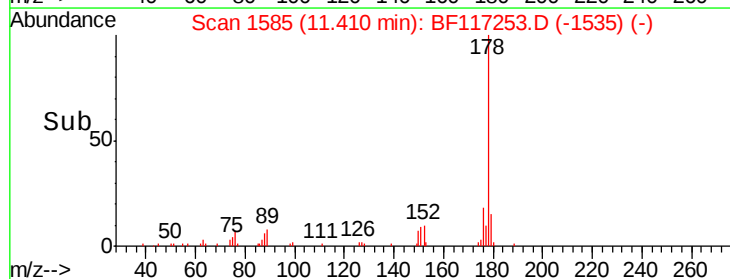
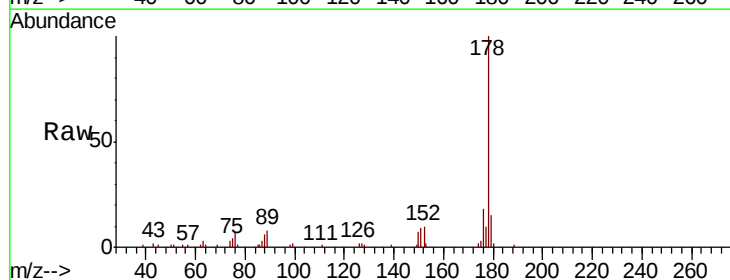
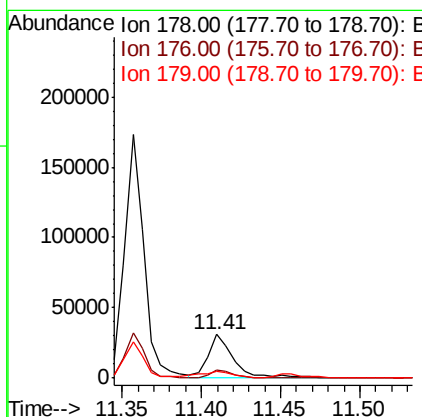
Manual Integrations
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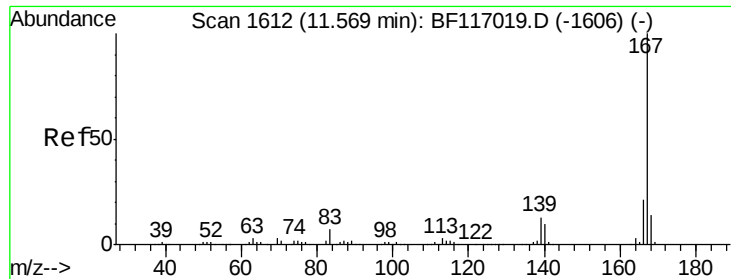
mohammad
9/26/2019 3:53:53 PM



#72
Anthracene
Concen: 7.329 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.3	11.6	17.4





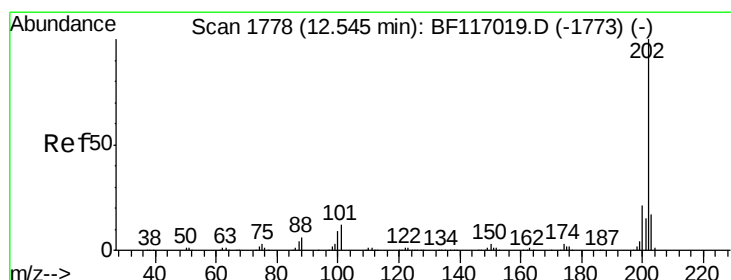
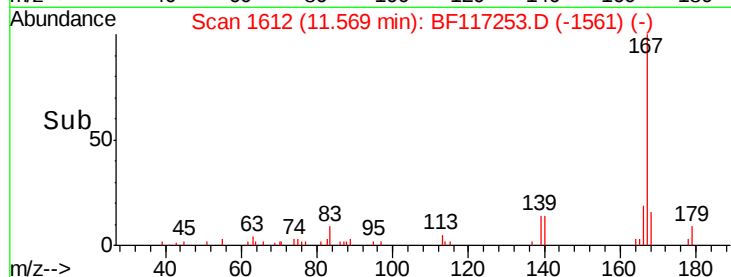
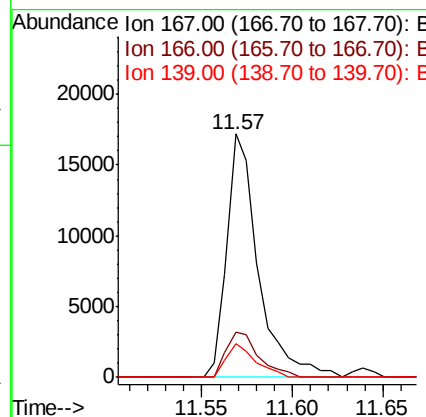
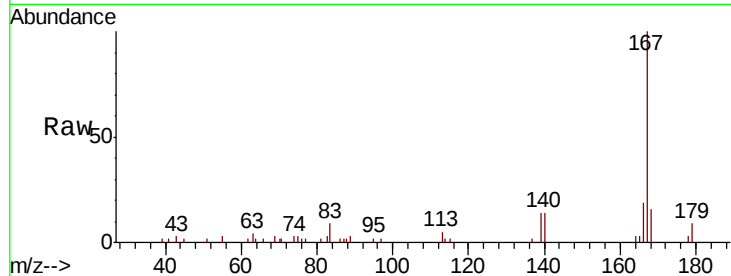
#73
 Carbazole
 Concen: 4.665 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF117253.D
 Acq: 25 Sep 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092419

Tot Ion	Ratio	Lower	Upper
167	100		
166	18.8	17.2	25.8
139	13.9	10.6	16.0

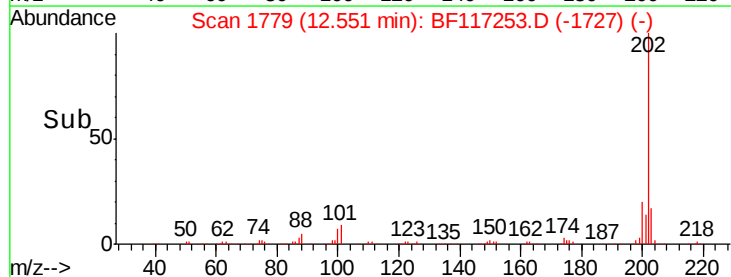
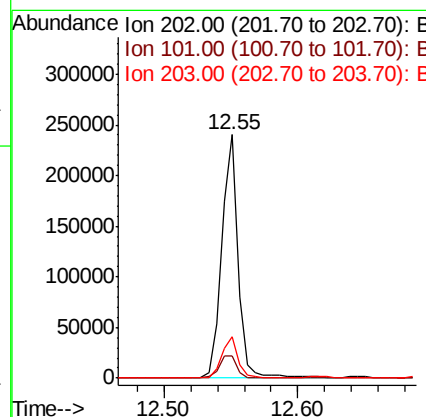
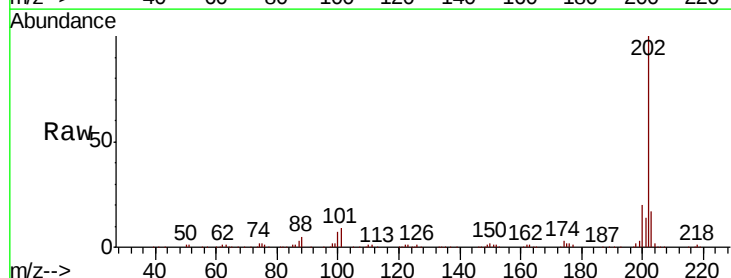
Manual Integrations
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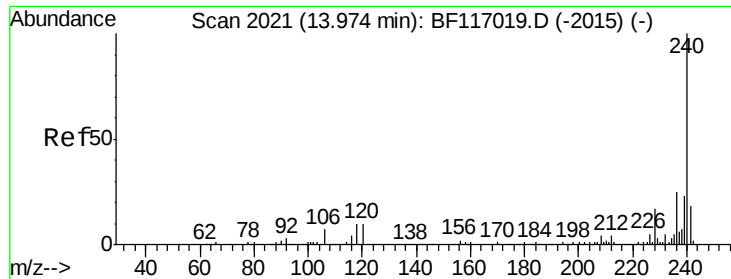
mohammad
 9/26/2019 3:53:53 PM



#75
 Fluoranthene
 Concen: 44.015 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117253.D
 Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	32.3
203	17.3	0.0	37.1





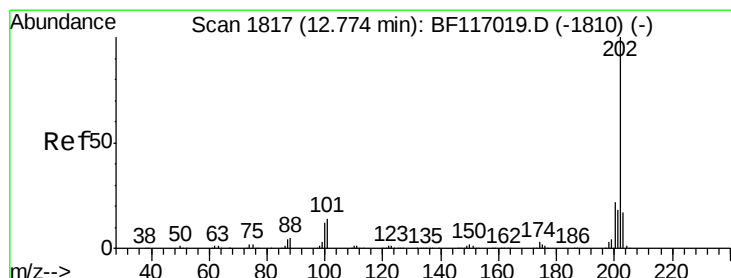
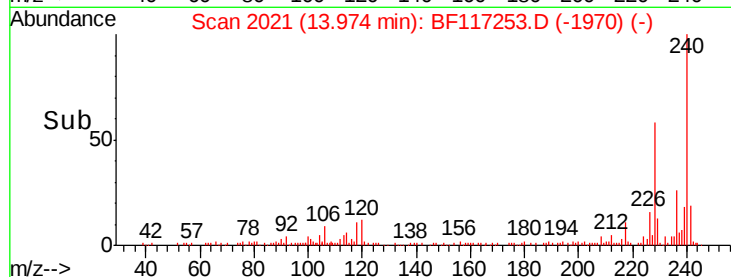
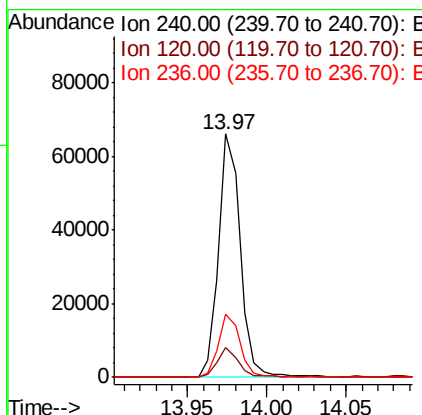
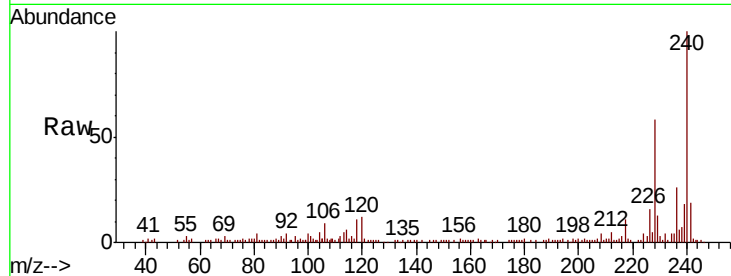
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.3	12.5
236	25.7	20.3	30.5

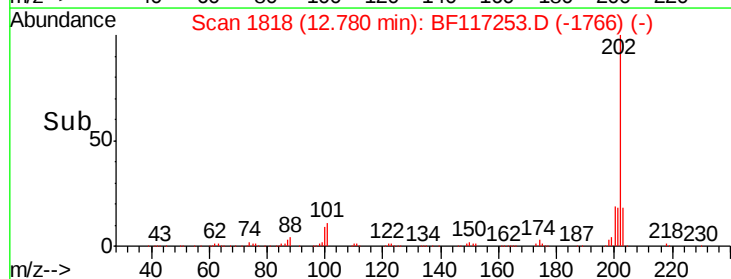
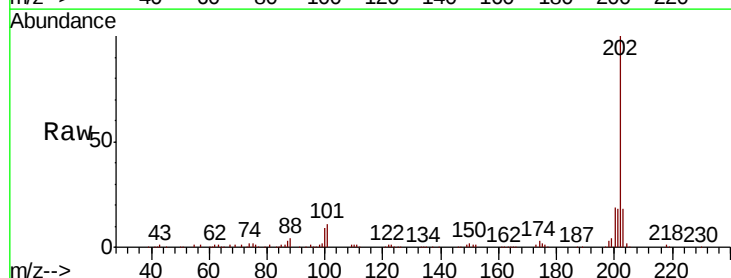
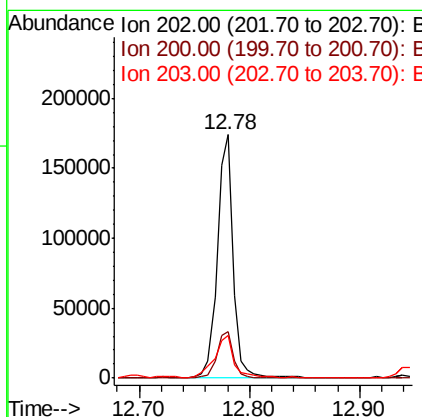
Manual Integrations
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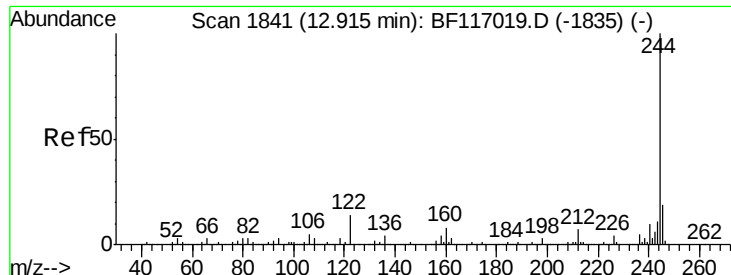
mohammad
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#78
Pyrene
Concen: 32.967 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.2	25.8
203	17.6	14.0	21.0





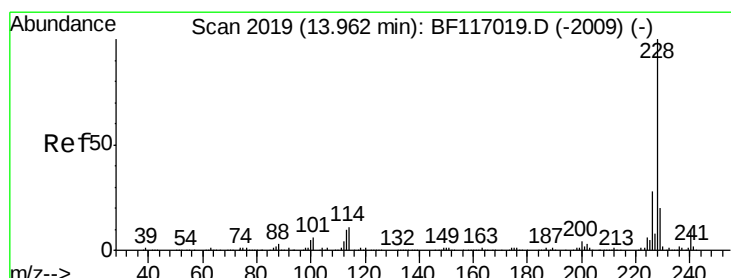
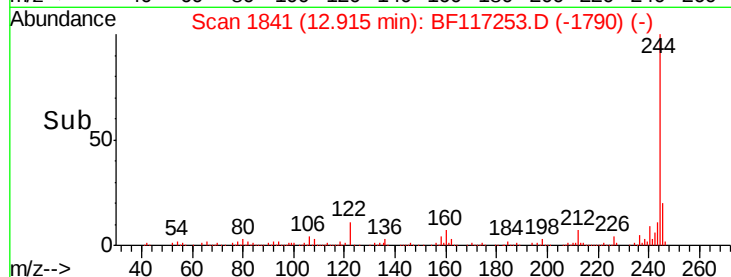
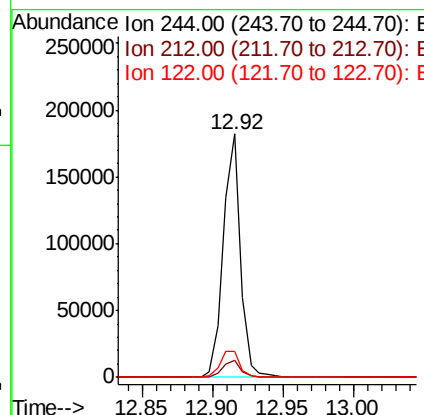
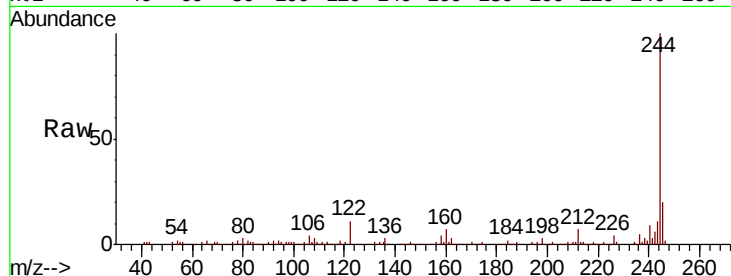
#79
 Terphenyl-d14
 Concen: 45.955 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117253.D
 Acq: 25 Sep 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092419

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.9	11.3	16.9

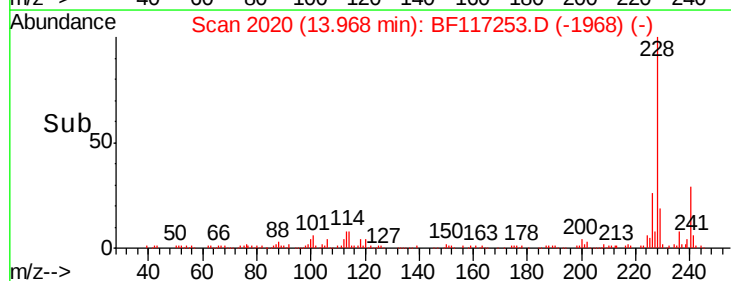
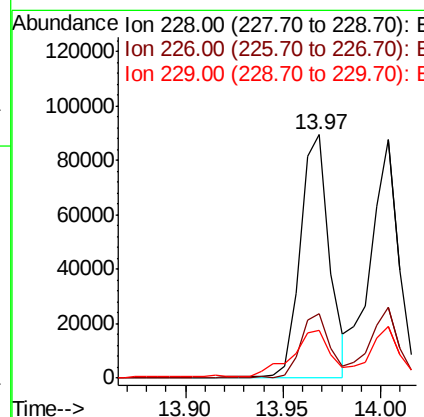
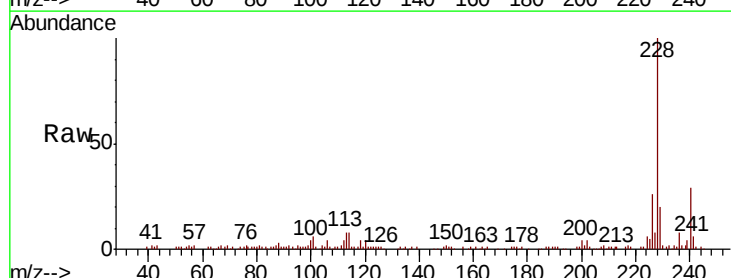
Manual Integrations
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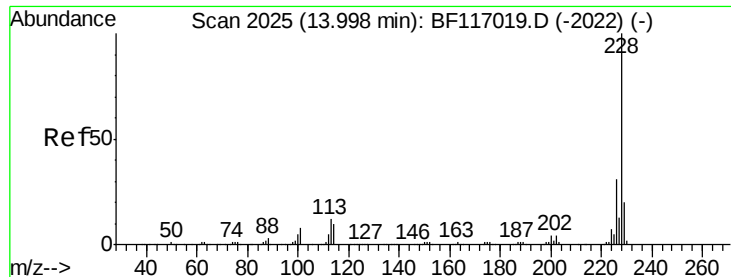
mohammad
 9/26/2019 3:53:53 PM



#81
 Benzo(a)anthracene
 Concen: 22.210 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF117253.D
 Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.3	33.5
229	19.5	15.9	23.9





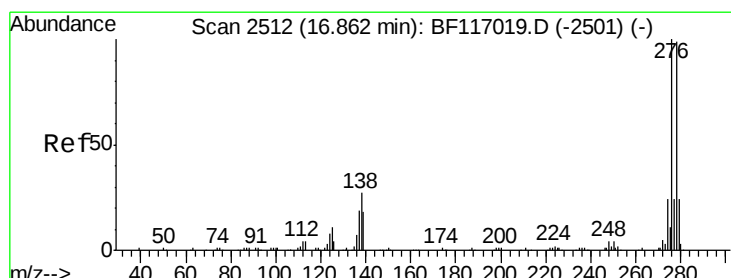
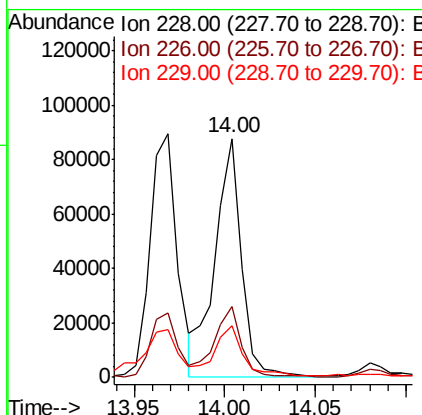
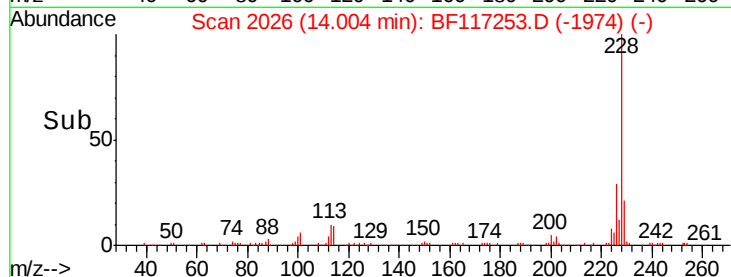
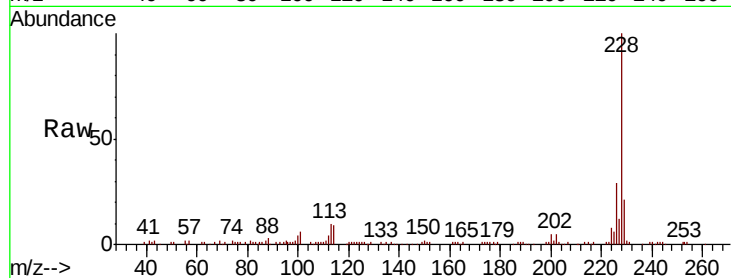
#83
Chrysene
Concen: 21.758 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.8	37.2
229	21.4	15.8	23.8

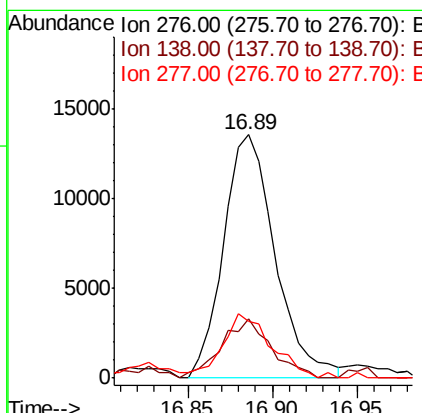
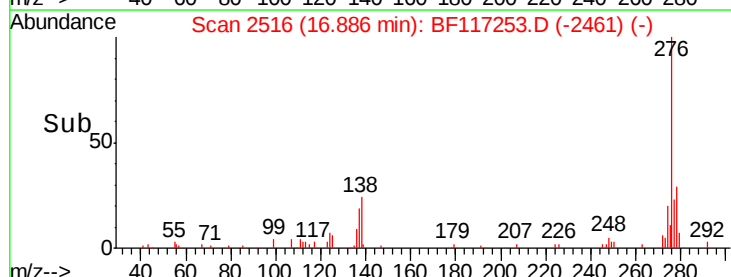
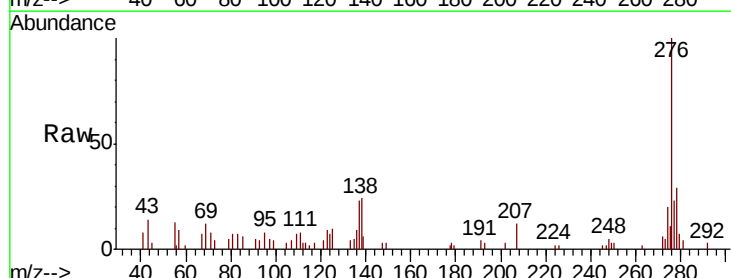
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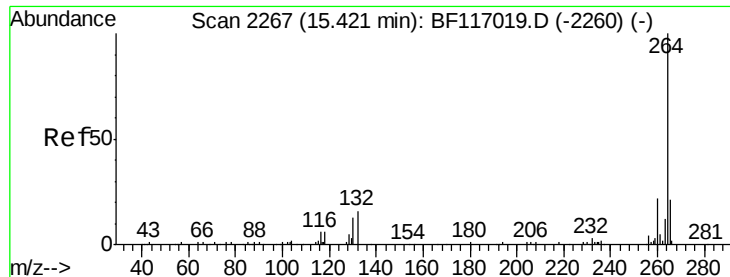
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.640 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.7	31.1
277	25.0	19.8	29.8





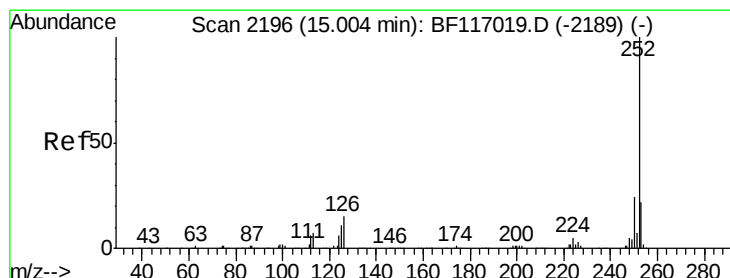
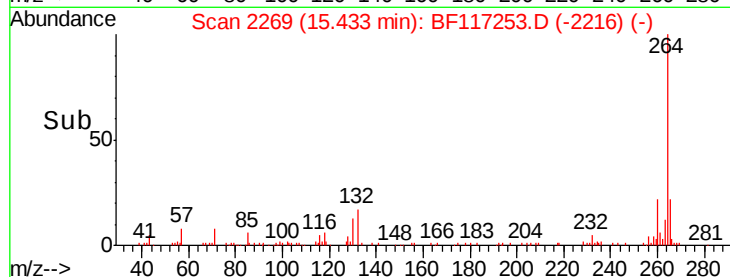
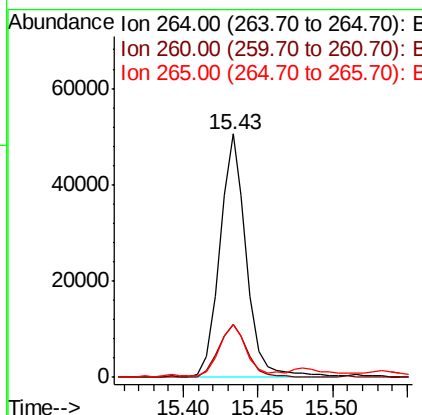
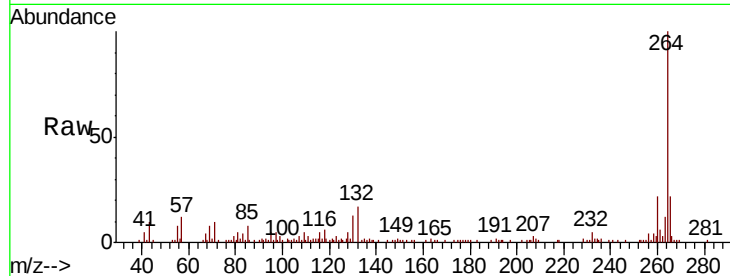
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.6	26.4
265	21.5	16.6	24.8

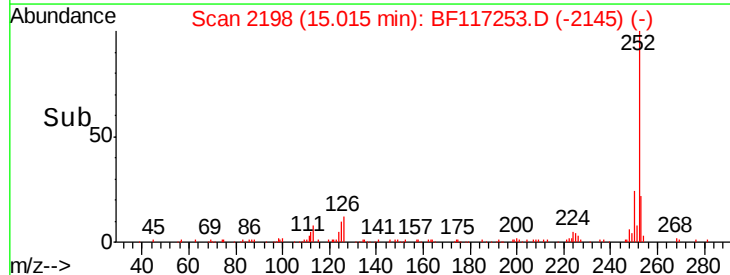
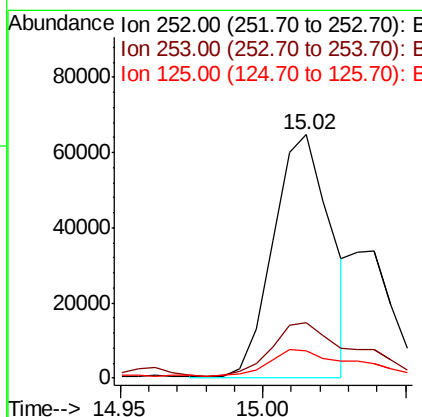
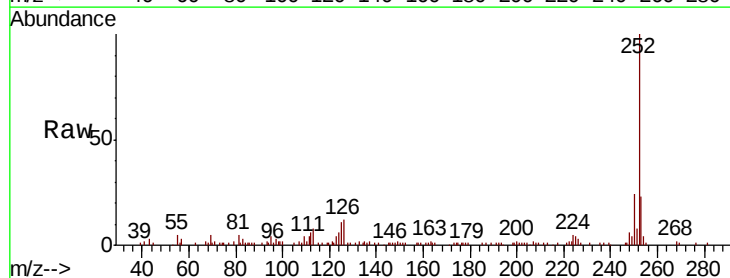
Manual Integrations
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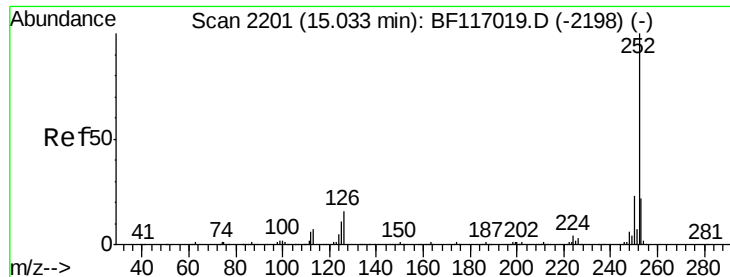
mohammad
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#88
Benzo(b)fluoranthene
Concen: 23.672 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	11.4	8.6	12.8





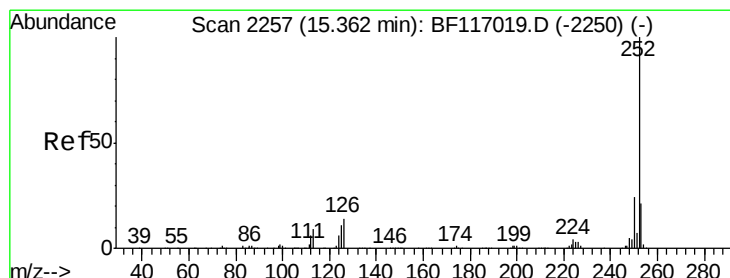
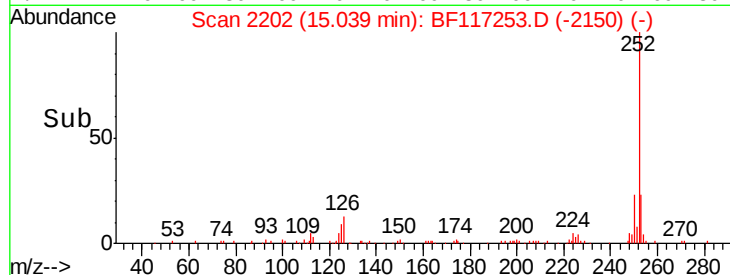
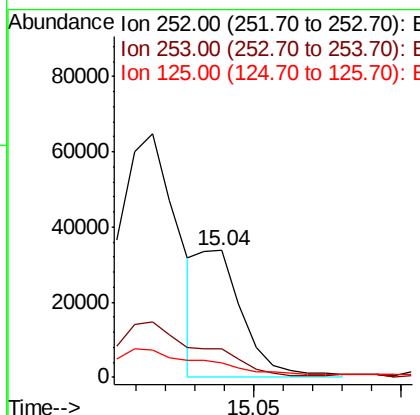
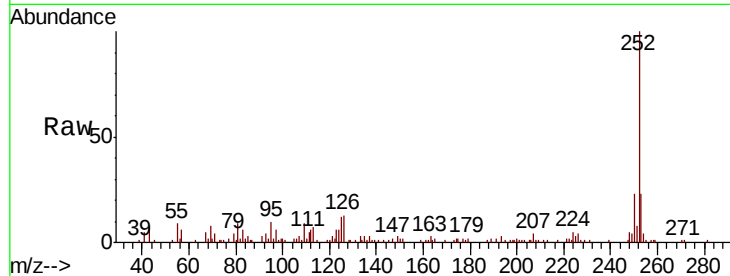
#89
Benzo(k)fluoranthene
Concen: 10.037 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

Tot Ion:	252	Resp:	36298
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	11.7	8.8	13.2

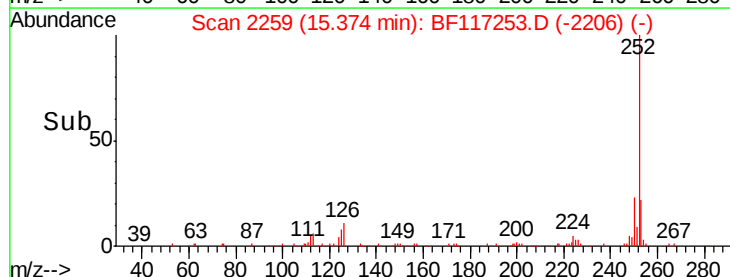
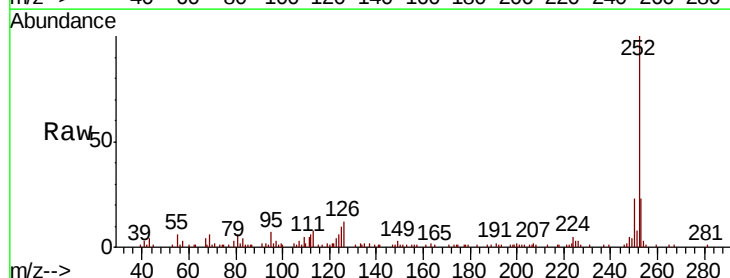
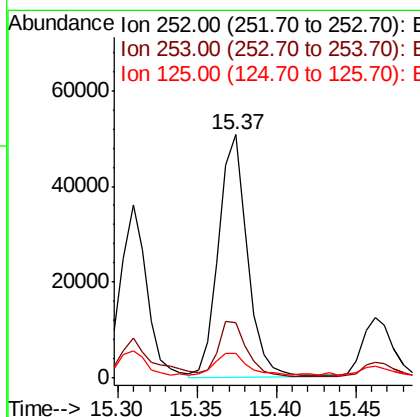
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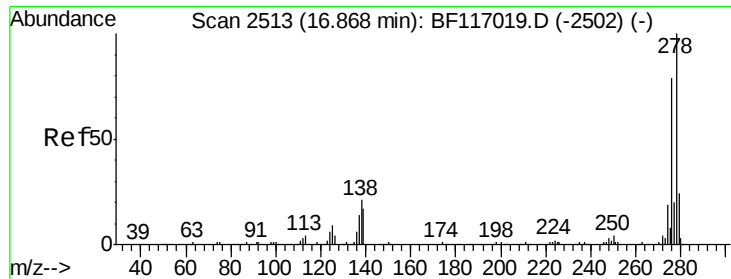
mohammad
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#90
Benzo(a)pyrene
Concen: 19.224 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion:	252	Resp:	64405
Ion Ratio	Lower	Upper	
252	100		
253	22.7	16.6	25.0
125	10.3	8.9	13.3





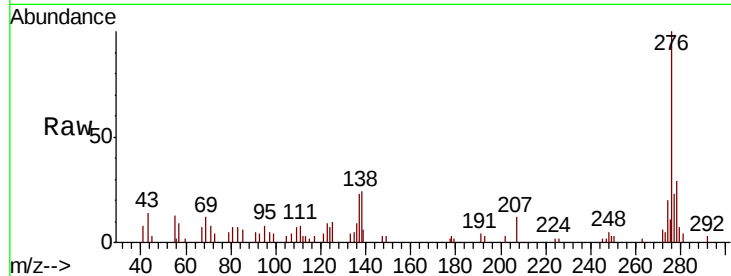
#91
Dibenzo(a,h)anthracene
Concen: 3.204 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :
BU-02-092419

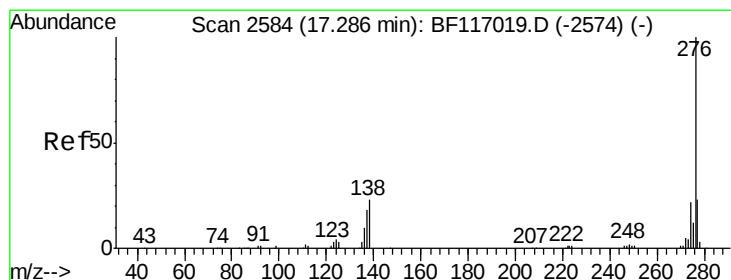
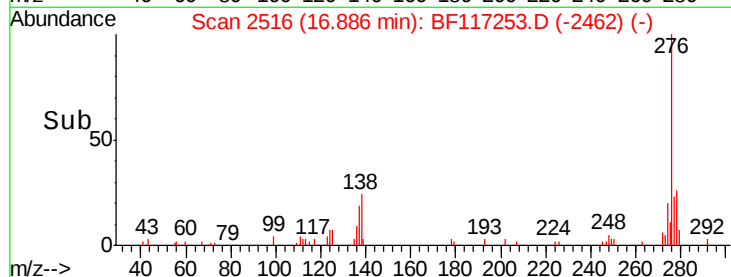
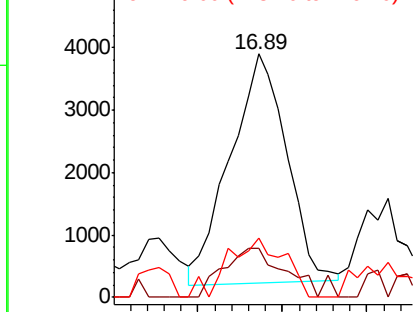
Tot Ion:	278	Resp:	8550
Ion Ratio	Lower	Upper	
278	100		
139	20.0	13.5	20.3
279	24.4	18.8	28.2

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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: 10.102 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117253.D
Acq: 25 Sep 2019 21:05

Tgt Ion:	276	Resp:	26866
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.6	27.8
138	16.0	18.0	27.0#

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

