

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116892.D
 Acq On : 9 Sep 2019 2:23
 Operator : HP/JU
 Sample : K4650-13DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7DL

Manual Integrations
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mohammad
 9/12/2019 9:26:36 AM

Quant Time: Sep 09 03:56:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	78706	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	333386	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	173093	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	282407	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	176325	20.00	ng	0.00
87) Perylene-d12	15.45	264	180889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	192450	39.61	ng	0.00
7) Phenol-d6	6.47	99	280042	43.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	168793	28.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	65410	56.53	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	327153	31.88	ng	-0.02
79) Terphenyl-d14	12.94	244	321474	33.73	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	62233	5.208	ng	99
71) Phenanthrene	11.38	178	399550	25.416	ng	99
72) Anthracene	11.43	178	69595	4.398	ng	97
73) Carbazole	11.59	167	31964	2.120	ng	99
75) Fluoranthene	12.57	202	927001	60.002	ng	98
78) Pyrene	12.80	202	716472	45.711	ng	98
81) Benzo(a)anthracene	13.99	228	267060	23.931	ng	98
83) Chrysene	14.02	228	290739	25.288	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	133385	14.444	ng	98
88) Benzo(b)fluoranthene	15.03	252	303833m	27.782	ng	
89) Benzo(k)fluoranthene	15.05	252	103210m	10.351	ng	
90) Benzo(a)pyrene	15.39	252	193729	20.361	ng	99
91) Dibenzo(a,h)anthracene	16.90	278	32787	3.937	ng	# 80
92) Benzo(a,h,i)perylene	17.34	276	125744	14.804	ng	94

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

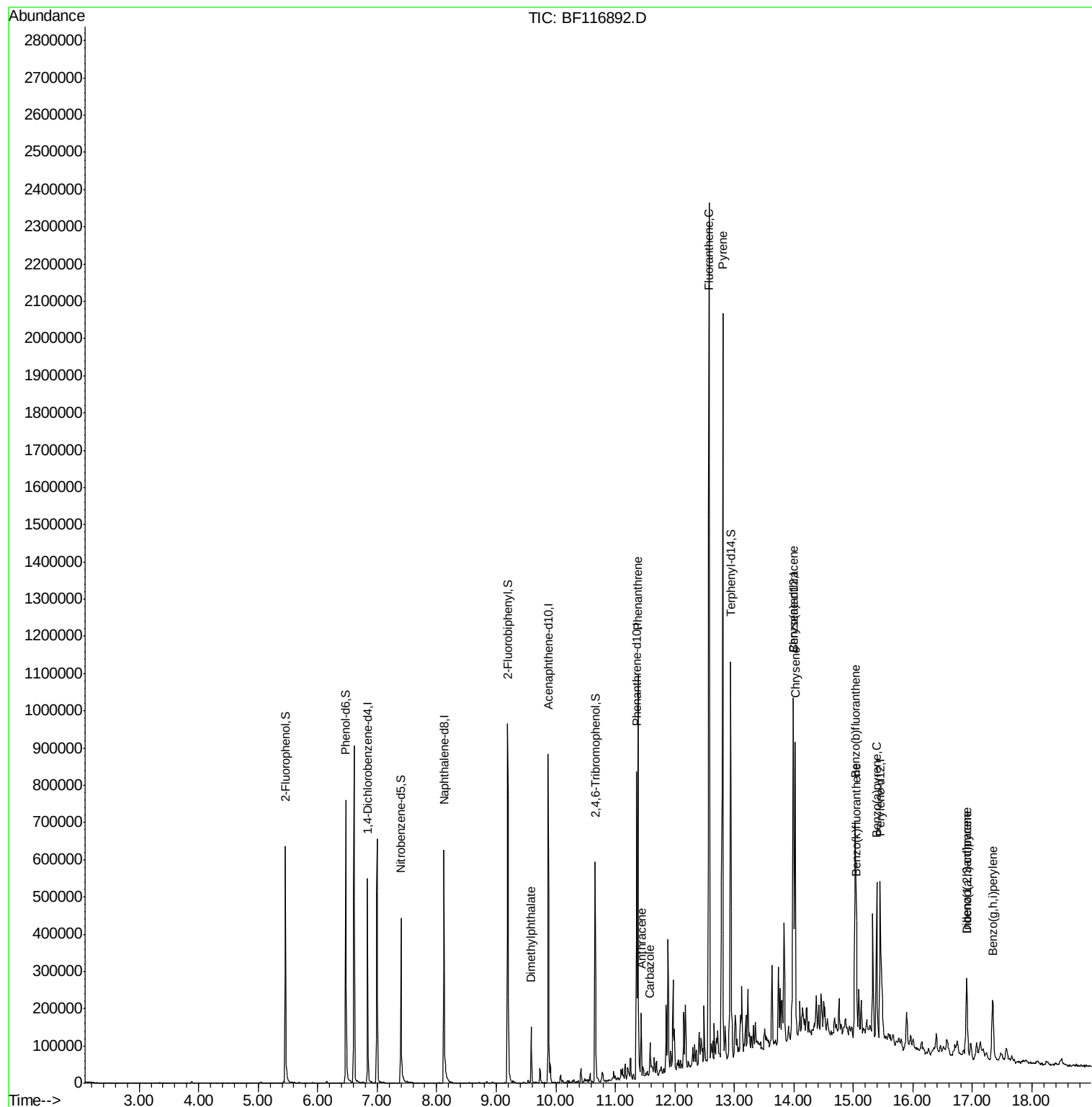
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
Data File : BF116892.D
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ALS Vial : 12 Sample Multiplier: 1

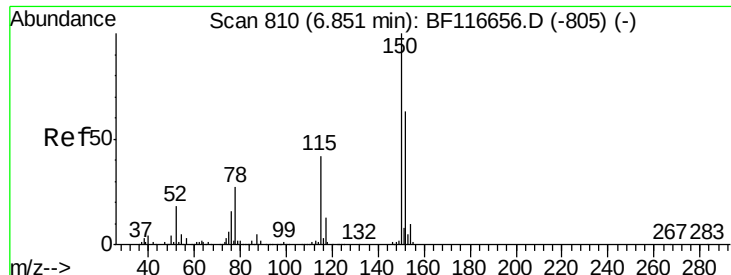
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
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#1

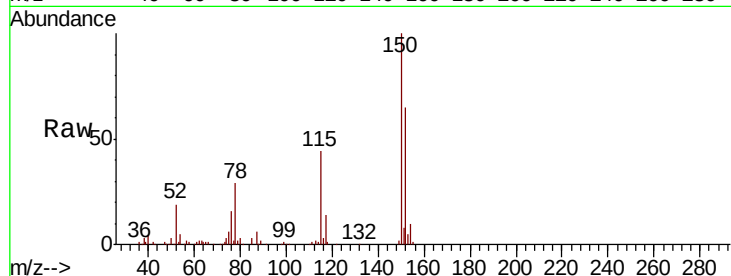
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.4	186.6
115	67.4	49.9	74.9

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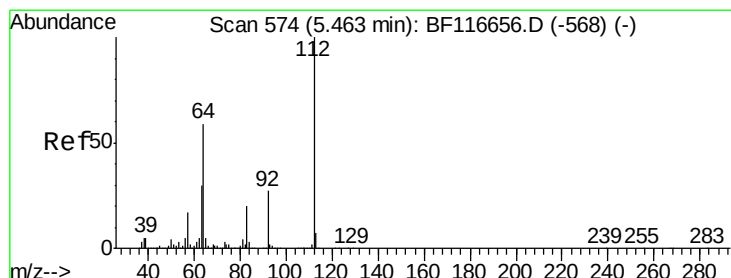
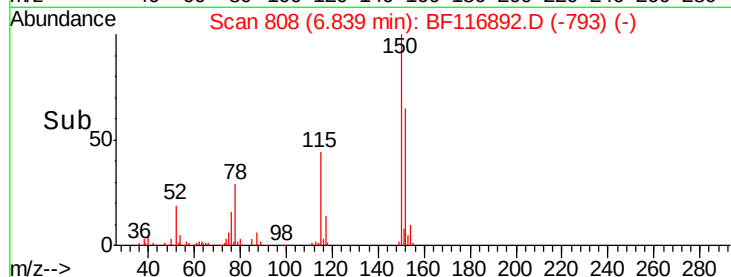
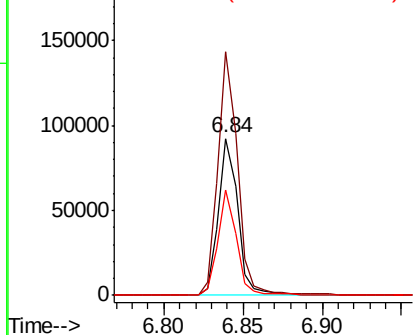


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

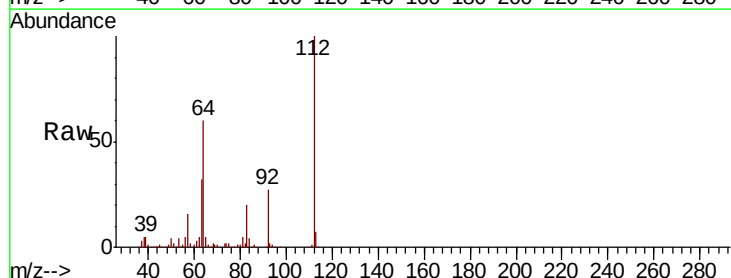
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.613 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.1	70.7
63	31.8	24.9	37.3

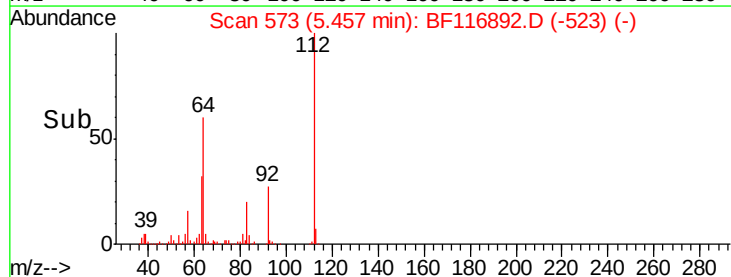
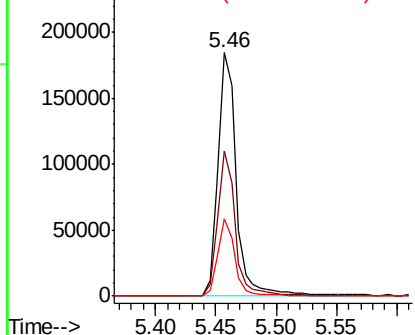


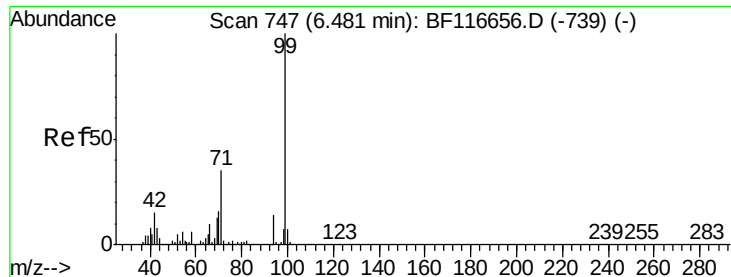
Abundance

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: 43.898 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116892.D

Acq: 9 Sep 2019 2:23

Instrument :

BNA_F

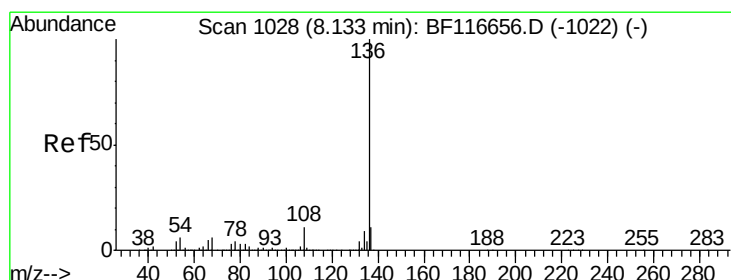
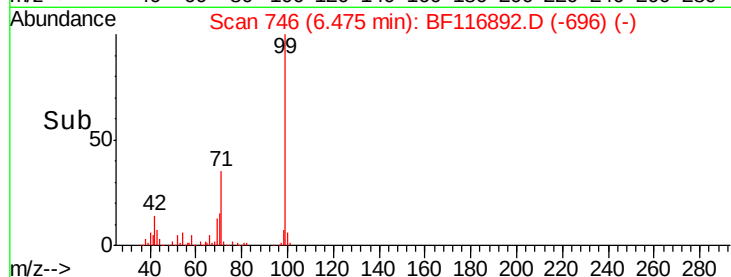
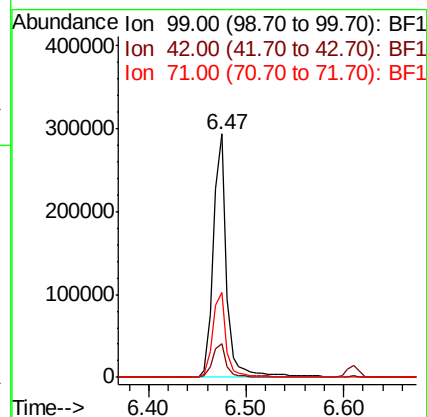
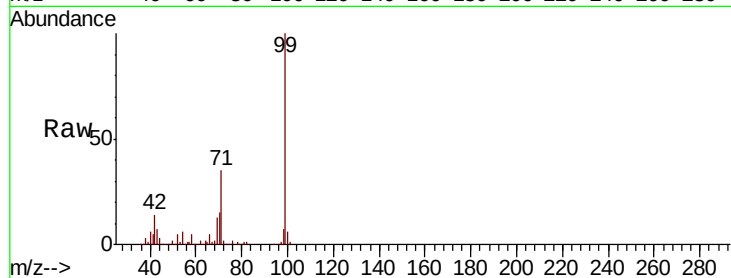
ClientSampled :

TP-7DL

Tot Ion:	99	Resp:	280042
Ion Ratio	Lower	Upper	
99	100		
42	13.8	13.7	20.5
71	34.7	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

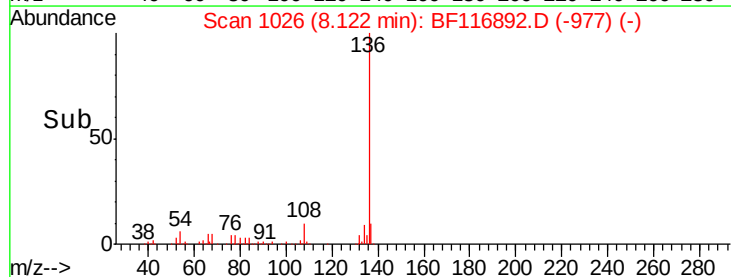
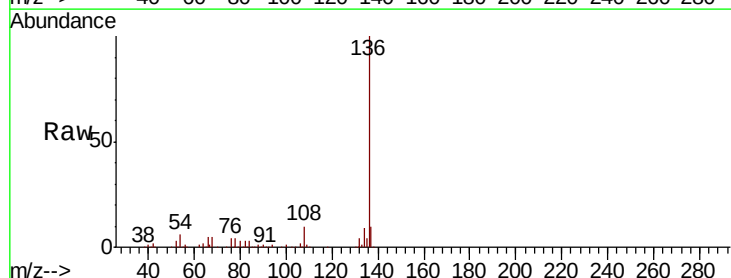
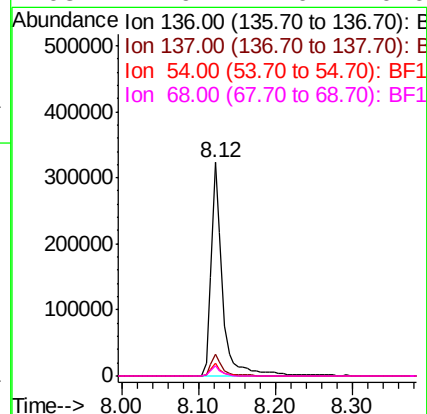
RT: 8.12 min Scan# 1026

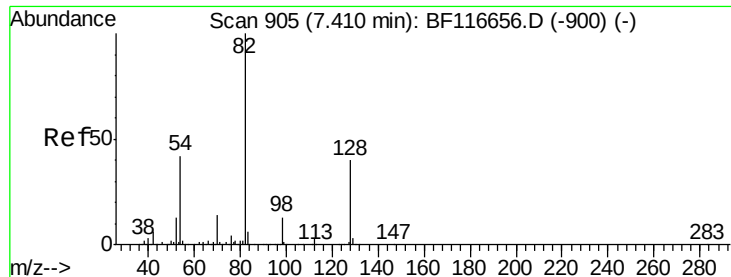
Delta R.T. -0.01 min

Lab File: BF116892.D

Acq: 9 Sep 2019 2:23

Tgt Ion:	136	Resp:	333386
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.9	13.3
54	5.8	4.8	7.2
68	4.9	4.0	6.0





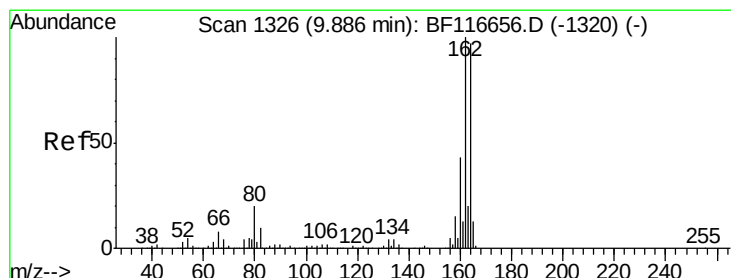
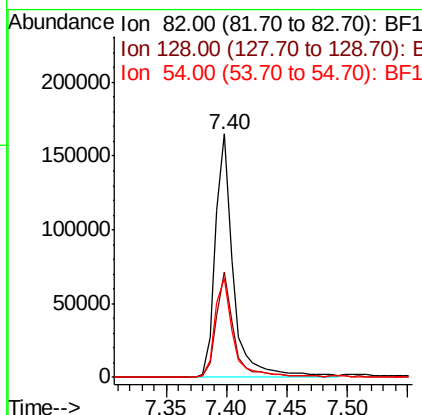
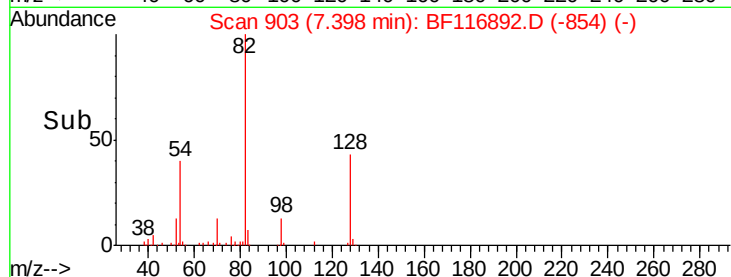
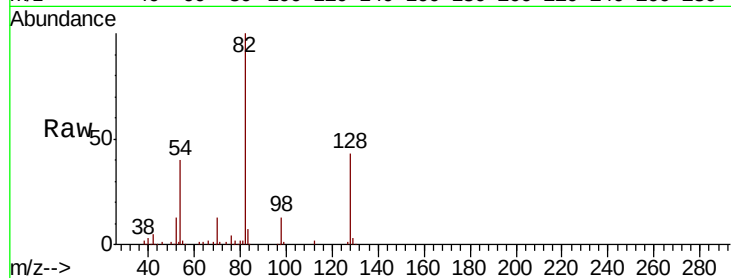
#23
Nitrobenzene-d5
Concen: 28.903 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleID :
TP-7DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	168793		
128	43.1		32.8	49.2
54	40.4		36.9	55.3

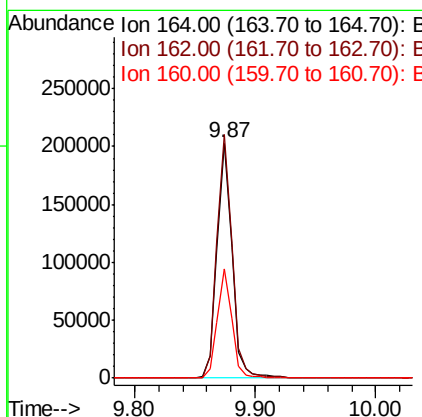
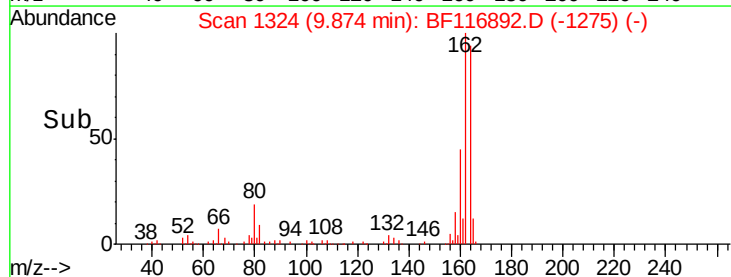
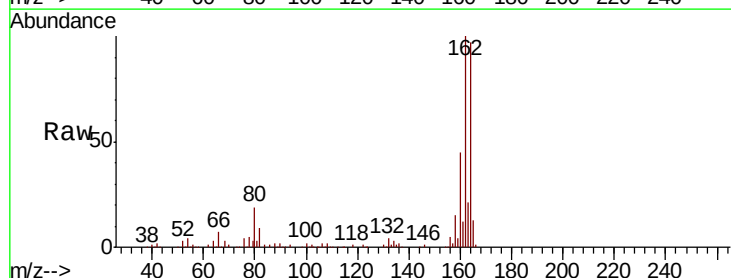
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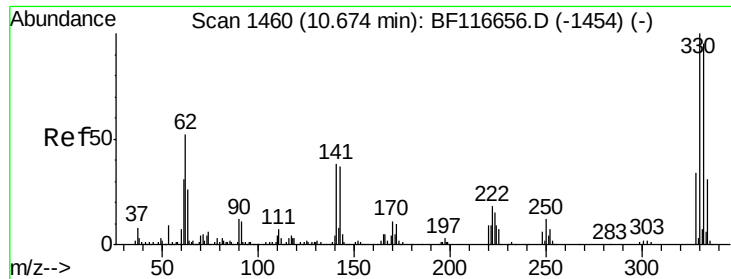
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	173093		
162	103.6		81.4	122.0
160	46.3		35.4	53.2





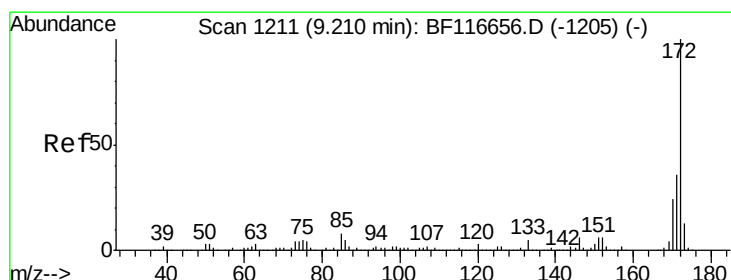
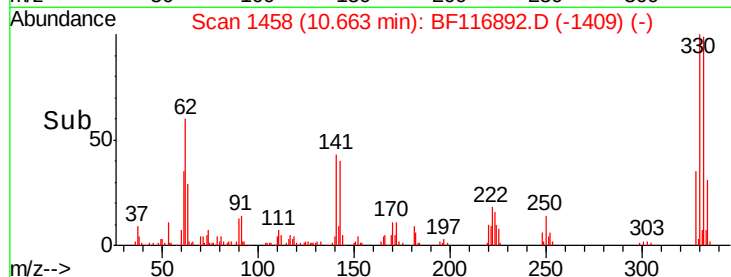
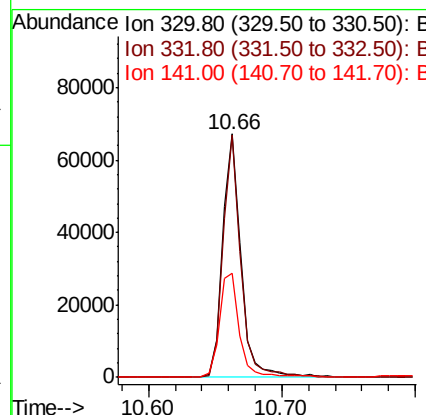
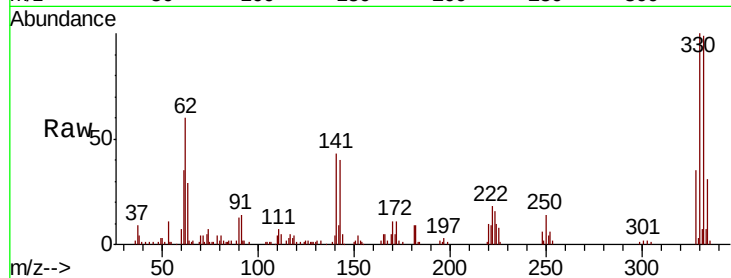
#42
 2,4,6-Tribromophenol
 Concen: 56.526 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116892.D
 Acq: 9 Sep 2019 2:23

Instrument :
 BNA_F
 ClientSampled :
 TP-7DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	46.8	31.4	47.2

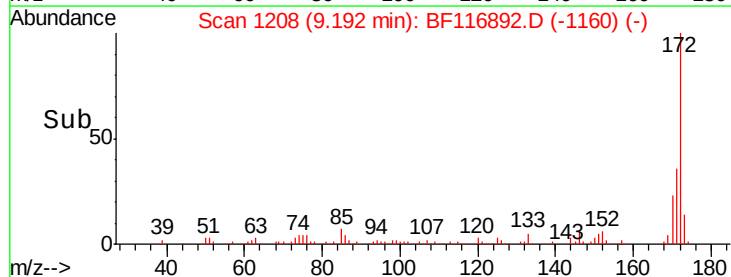
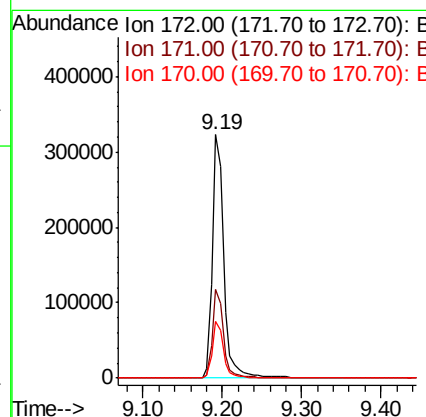
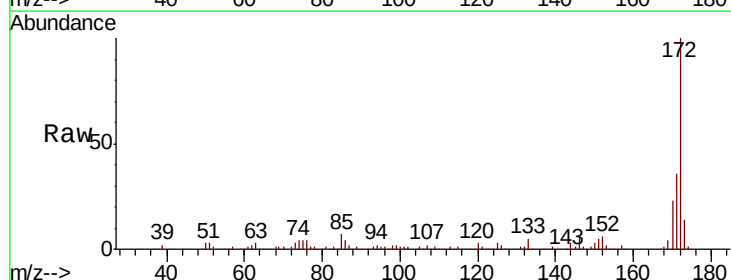
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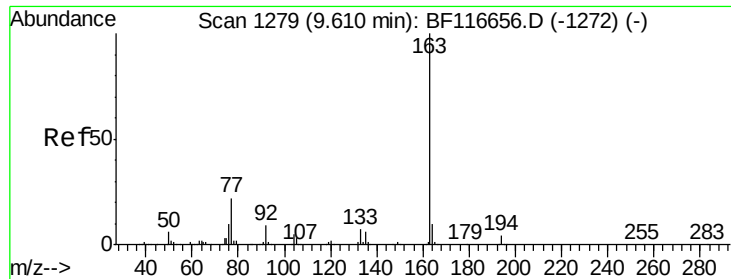
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#45
 2-Fluorobiphenyl
 Concen: 31.883 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116892.D
 Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.8	41.6
170	23.1	18.9	28.3





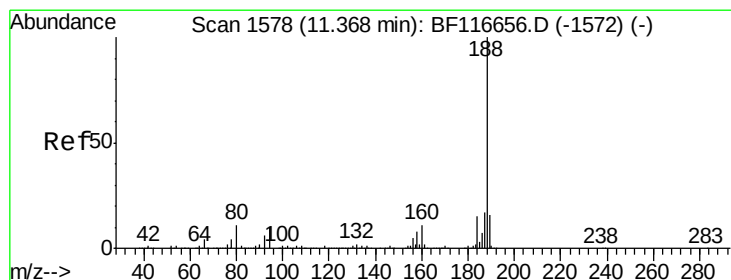
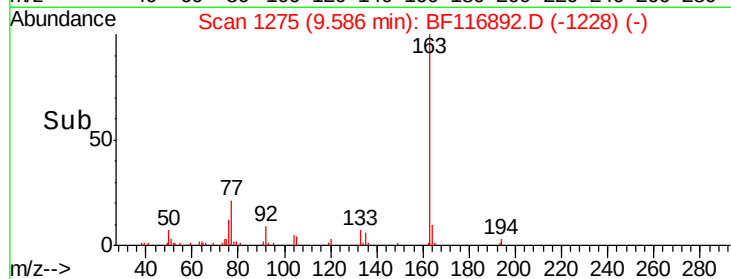
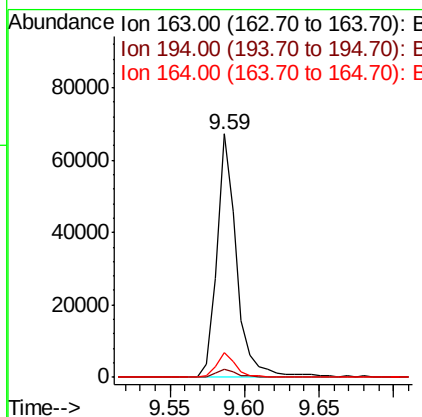
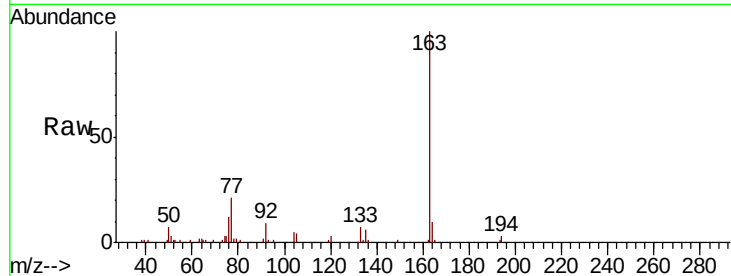
#50
Dimethylphthalate
Concen: 5.208 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	62233		
194	3.5		2.8	4.2
164	10.1		8.6	12.8

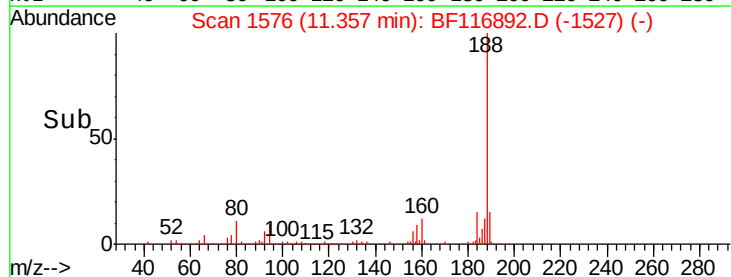
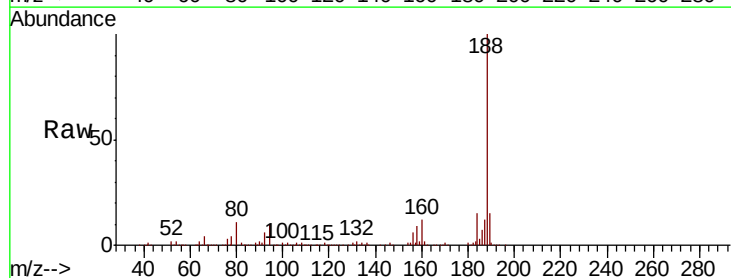
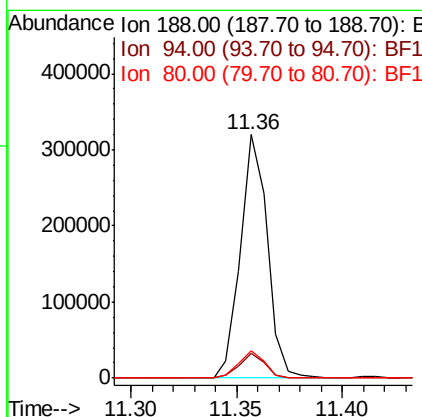
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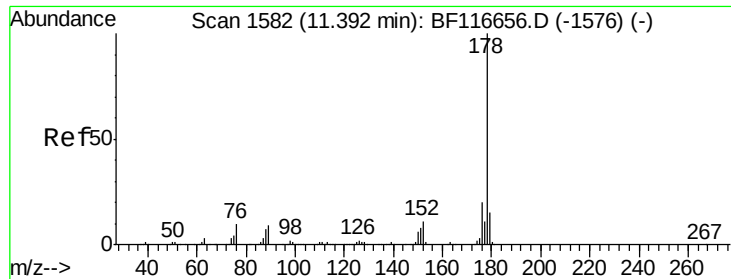
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	282407		
94	10.1		7.3	10.9
80	11.1		8.4	12.6





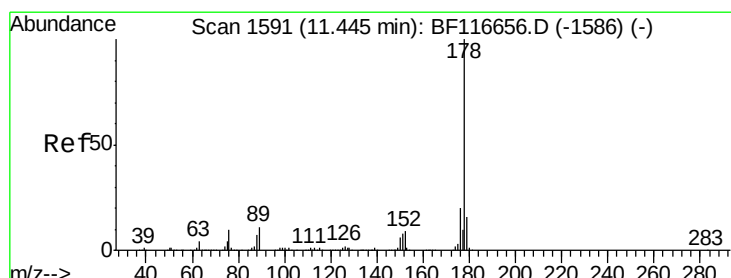
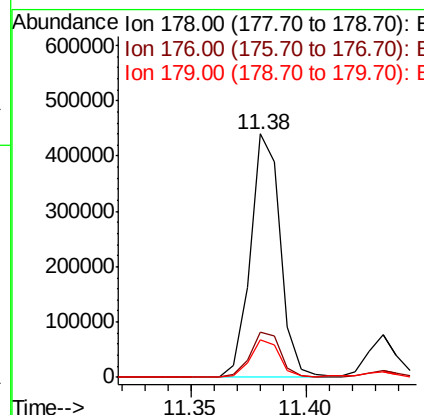
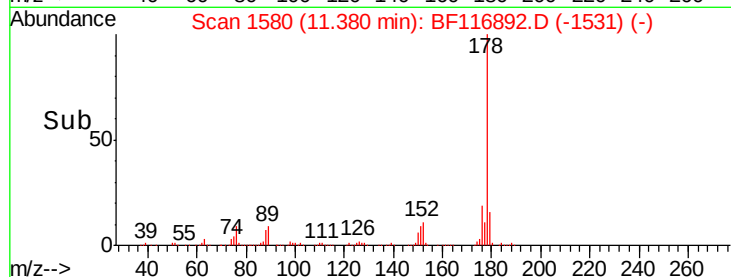
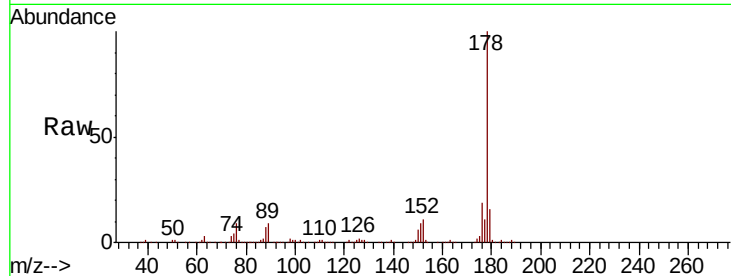
#71
Phenanthrene
Concen: 25.416 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampled :
TP-7DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.7	12.2	18.2

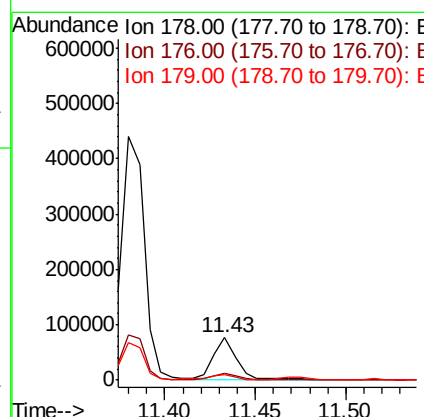
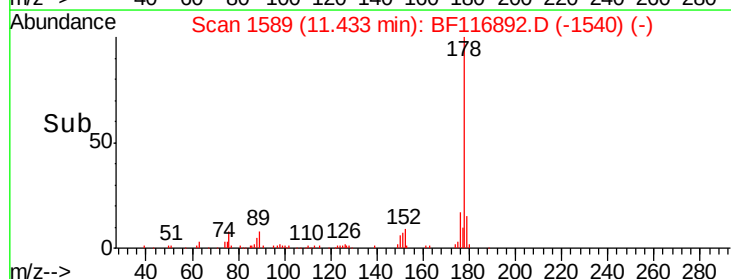
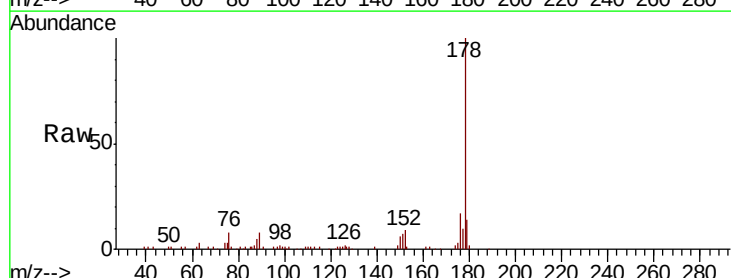
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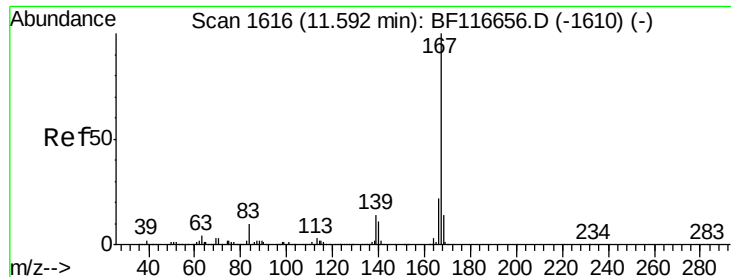
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#72
Anthracene
Concen: 4.398 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.0
179	14.5	12.5	18.7





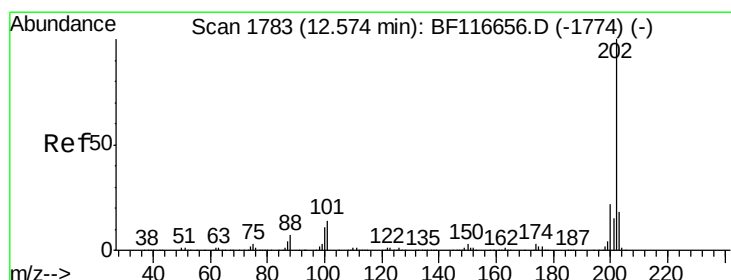
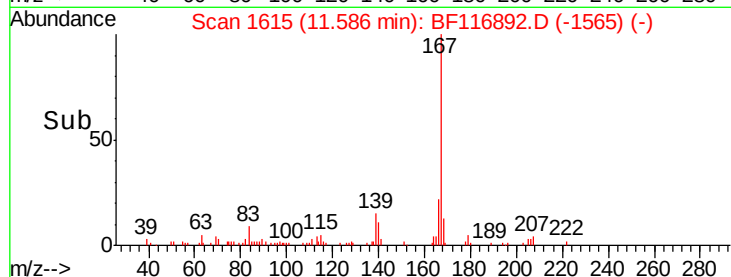
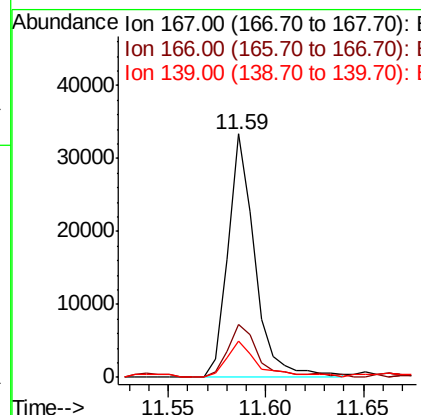
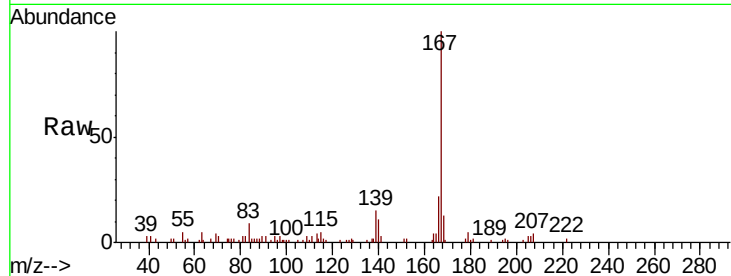
#73
 Carbazole
 Concen: 2.120 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF116892.D
 Acq: 9 Sep 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-7DL

Tot Ion:	167	Resp:	31964
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.8	26.6
139	15.0	11.1	16.7

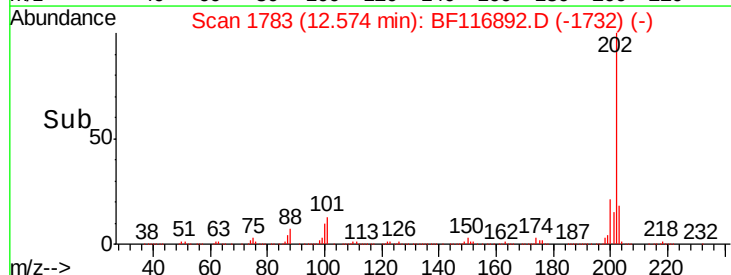
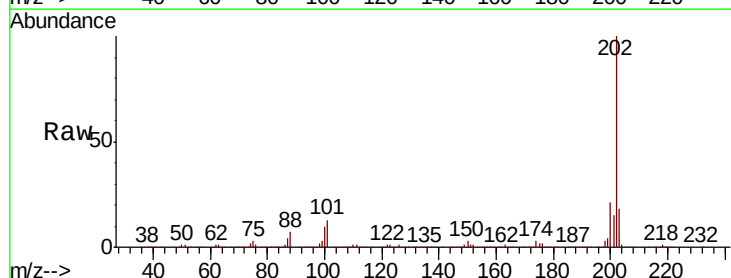
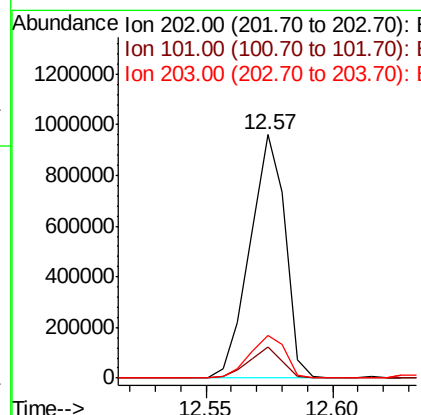
Manual Integrations
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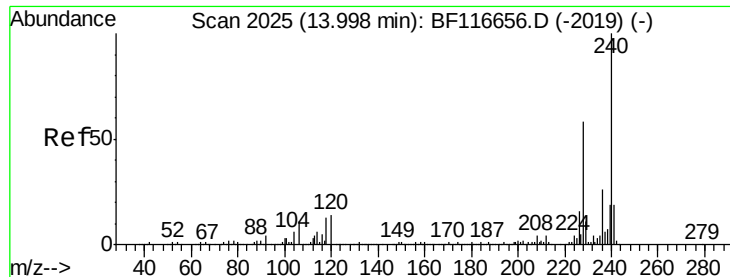
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#75
 Fluoranthene
 Concen: 60.002 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF116892.D
 Acq: 9 Sep 2019 2:23

Tgt Ion:	202	Resp:	927001
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	31.3
203	17.6	0.0	37.6





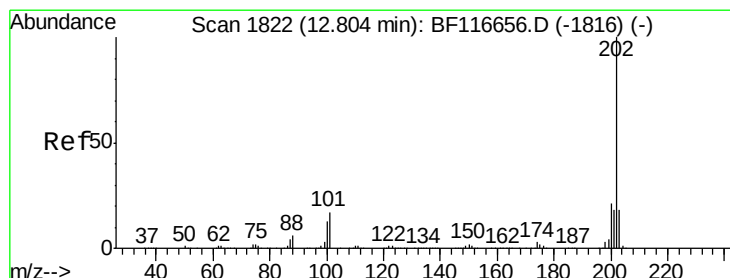
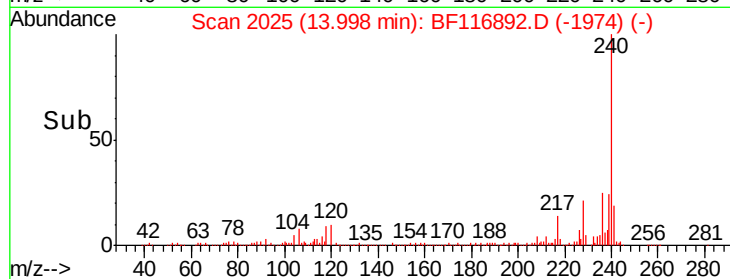
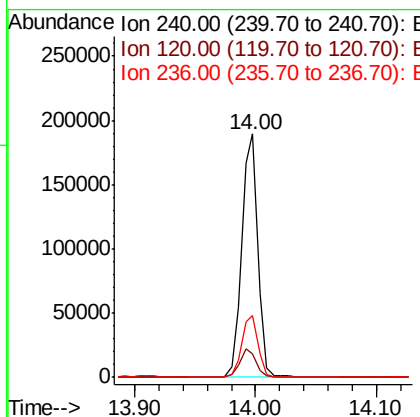
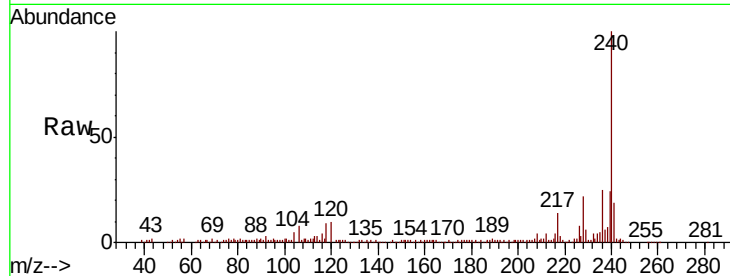
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleID :
TP-7DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	176325		
120	9.8		9.1	13.7
236	25.5		21.1	31.7

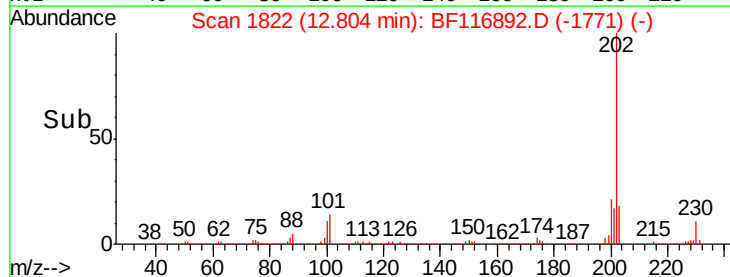
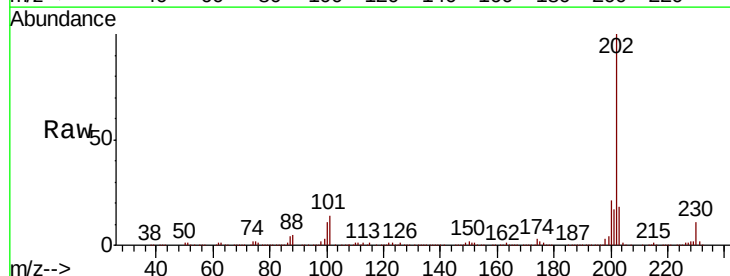
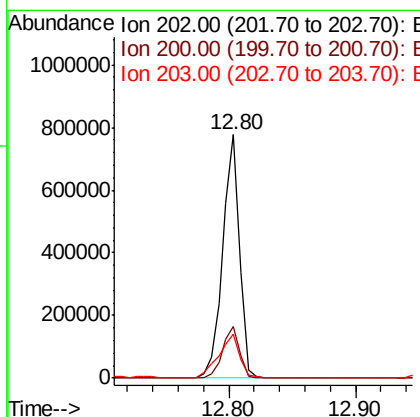
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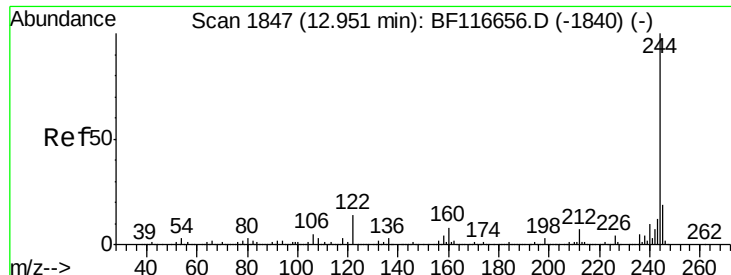
mohammad
9/12/2019 9:26:36 AM



#78
Pyrene
Concen: 45.711 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	716472		
200	21.1		16.5	24.7
203	18.0		13.7	20.5





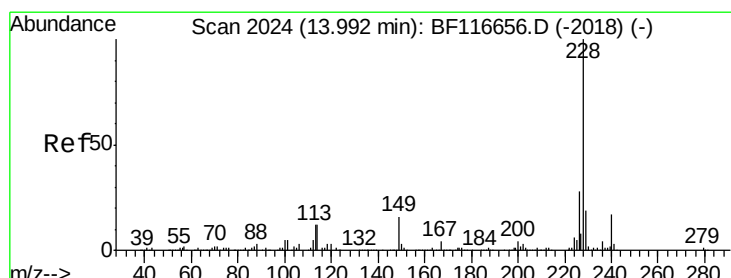
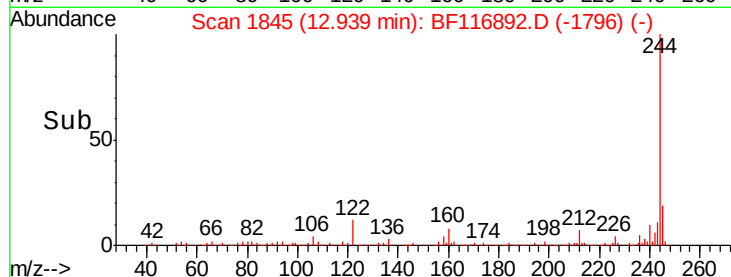
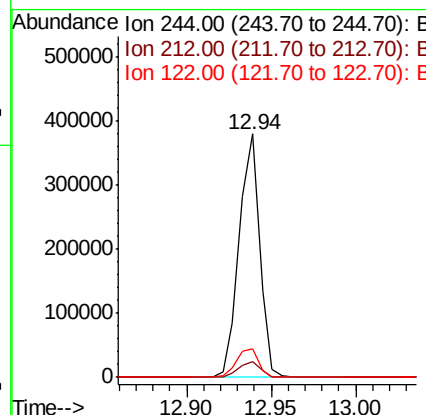
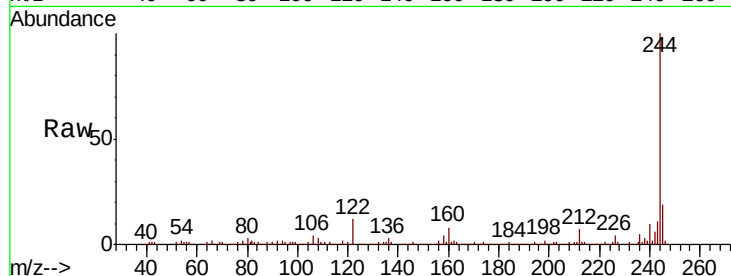
#79
 Terphenyl-d14
 Concen: 33.728 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116892.D
 Acq: 9 Sep 2019 2:23

Instrument :
 BNA_F
 ClientSampled :
 TP-7DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.1	9.1
122	11.8	10.2	15.4

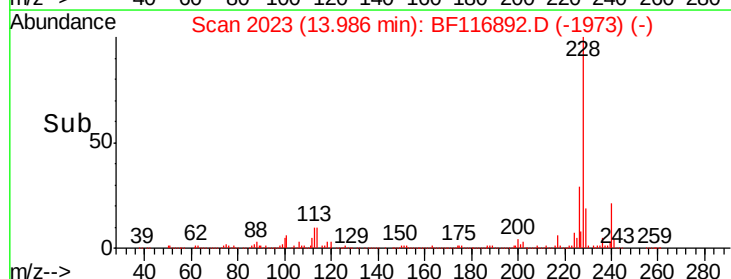
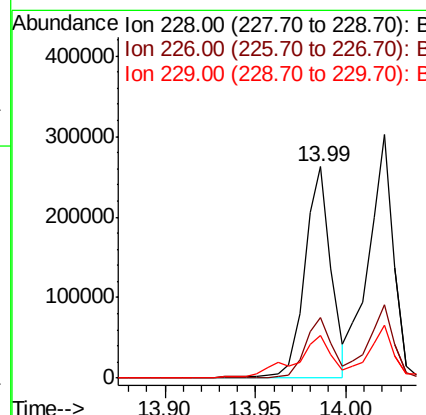
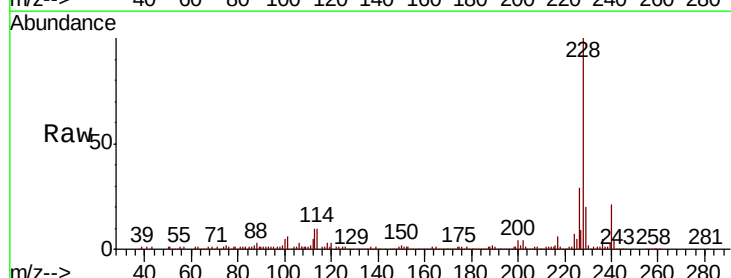
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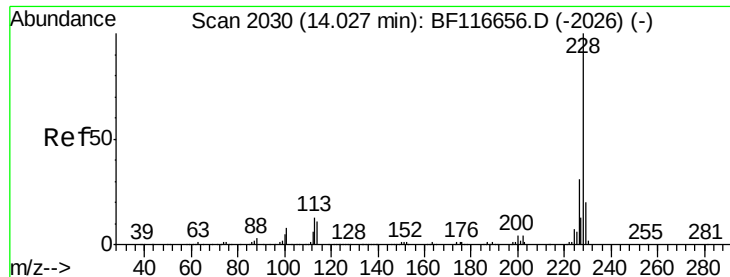
mohammad
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#81
 Benzo(a)anthracene
 Concen: 23.931 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116892.D
 Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	20.0	16.4	24.6





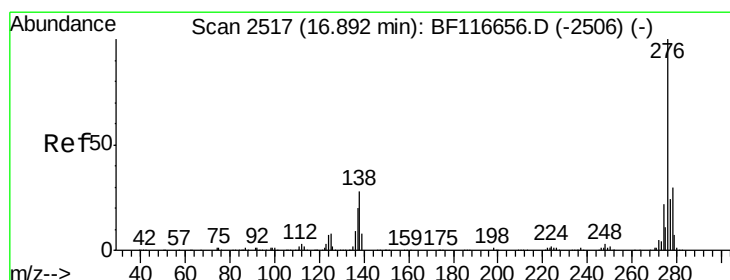
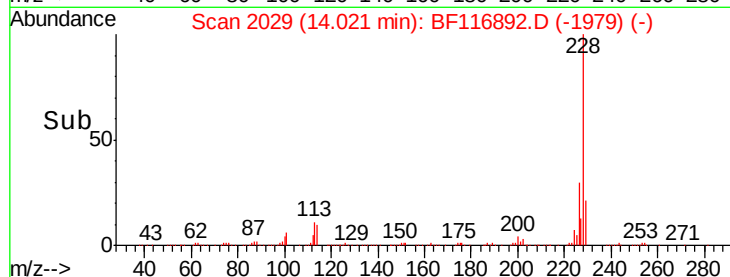
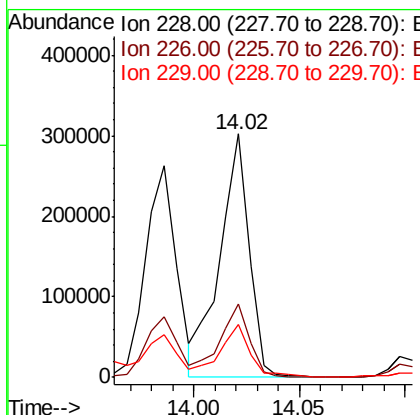
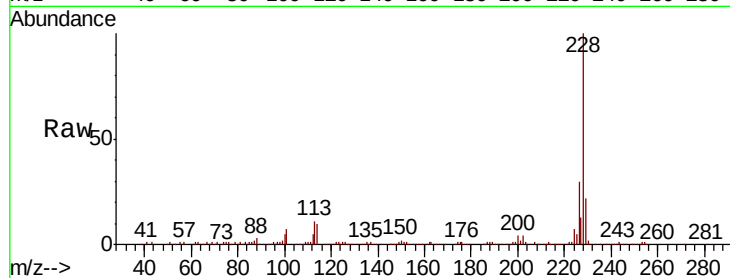
#83
Chrysene
Concen: 25.288 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.9	15.4	23.0

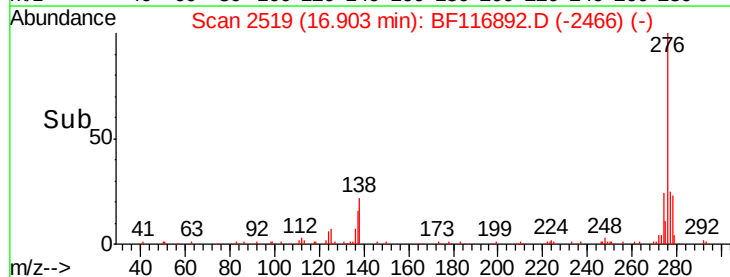
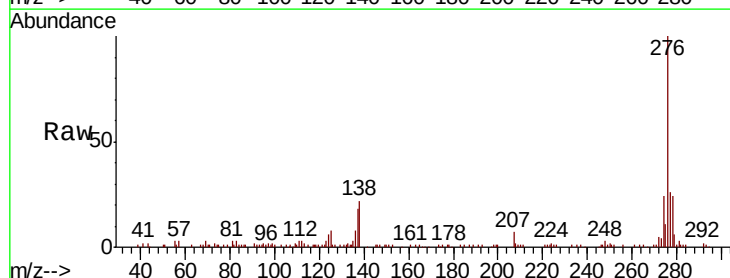
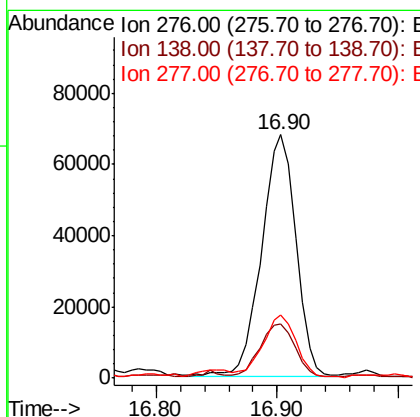
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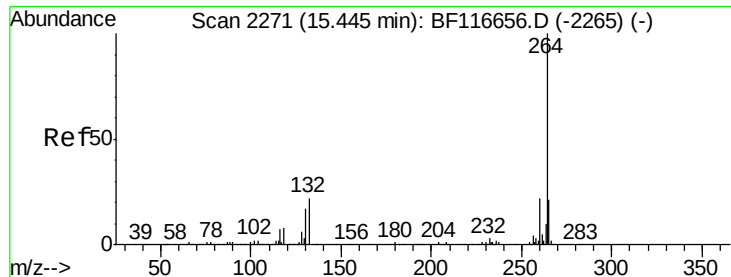
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 14.444 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	19.4	29.2
277	26.0	20.5	30.7





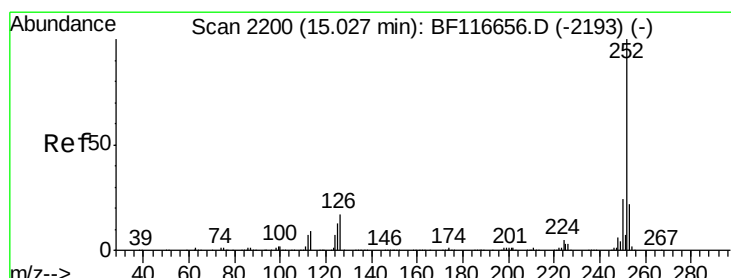
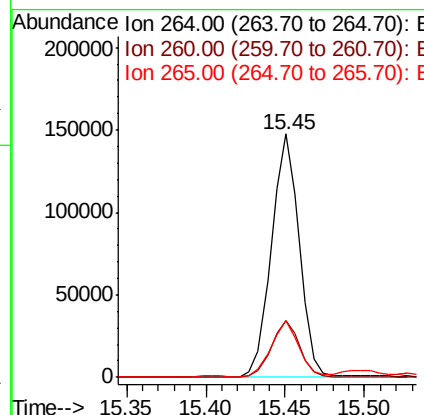
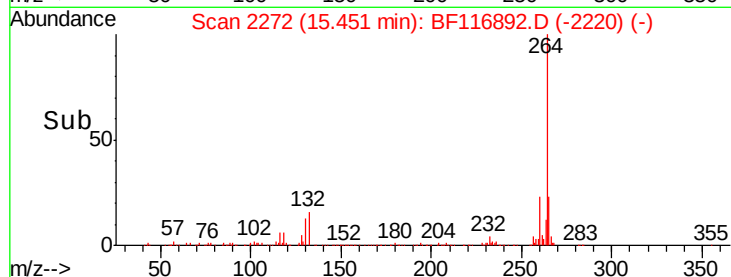
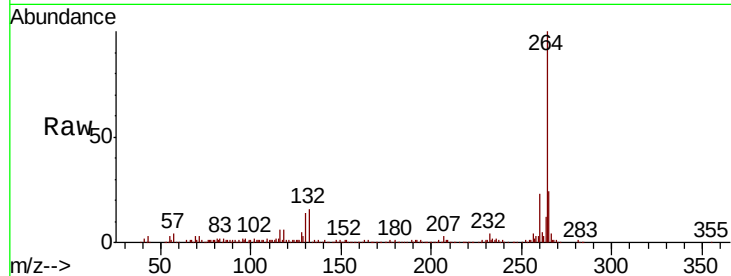
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	23.5	16.5	24.7

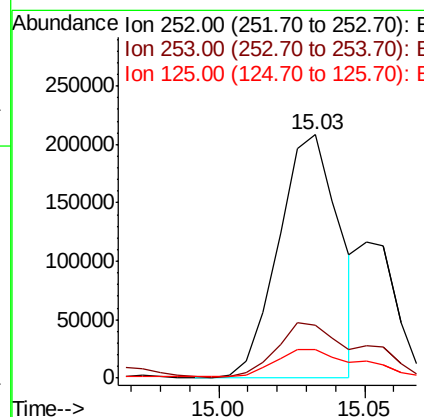
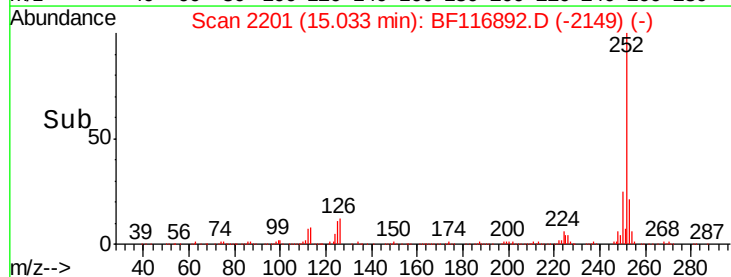
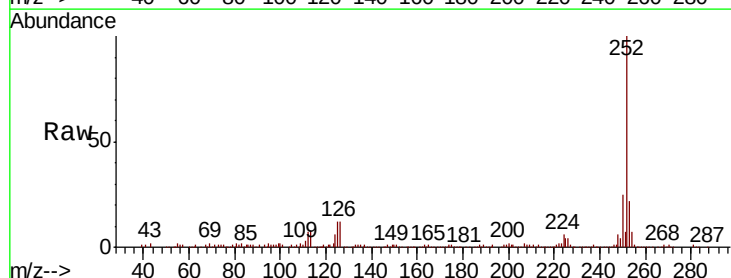
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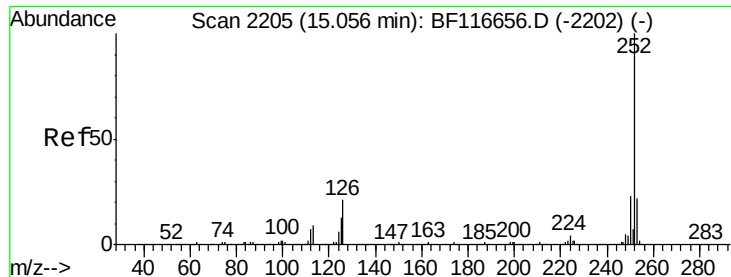
mohammad
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#88
Benzo(b)fluoranthene
Concen: 27.782 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.9	8.2	12.2





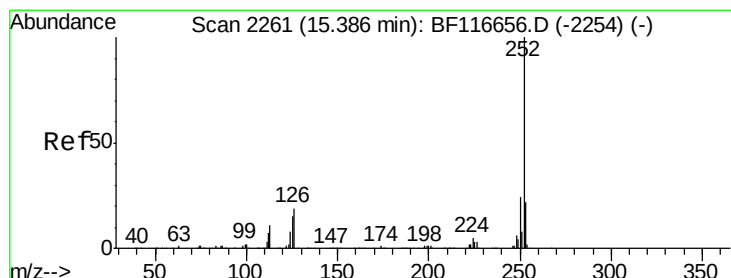
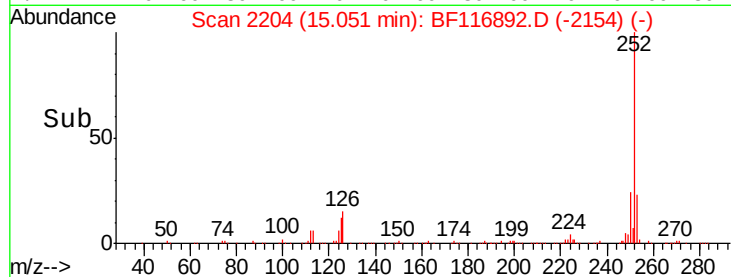
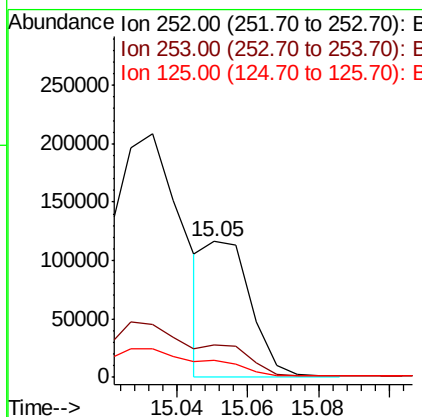
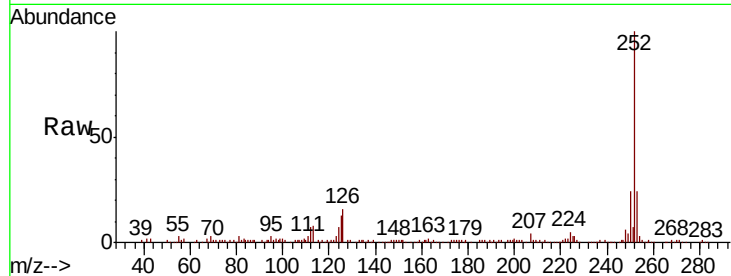
#89
Benzo(k)fluoranthene
Concen: 10.351 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.9	8.6	13.0

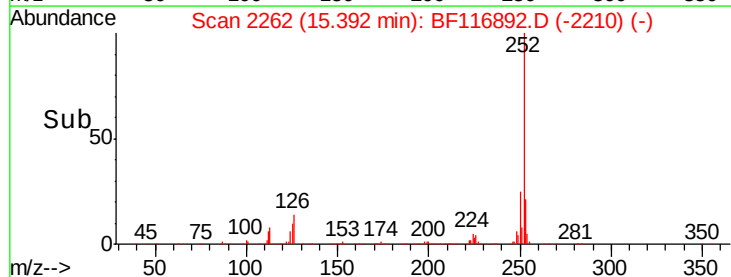
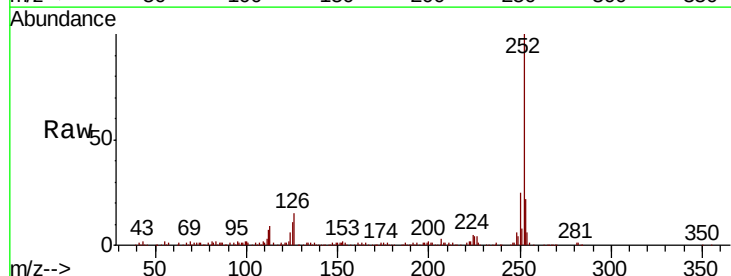
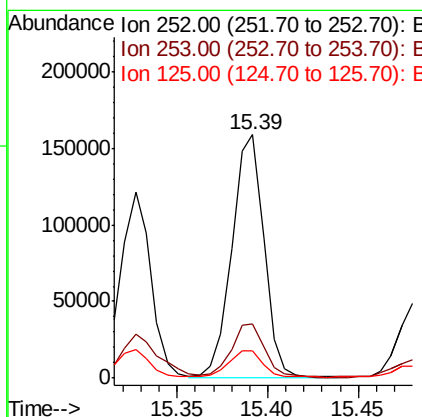
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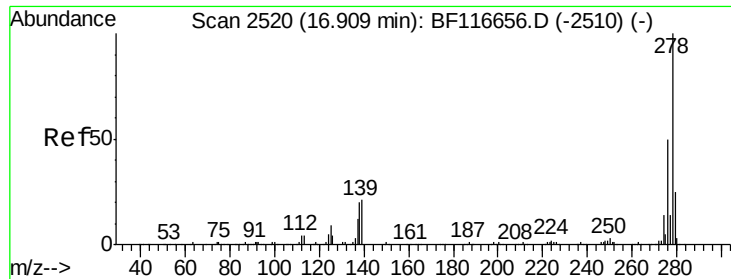
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#90
Benzo(a)pyrene
Concen: 20.361 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.3	9.8	14.8





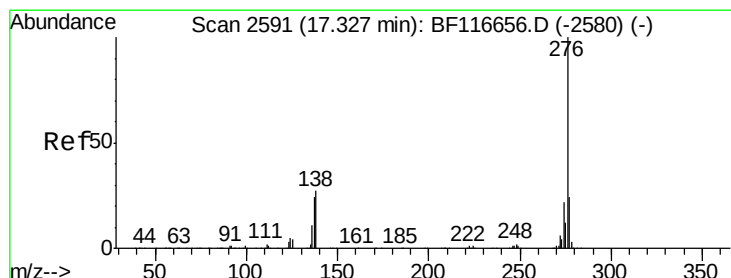
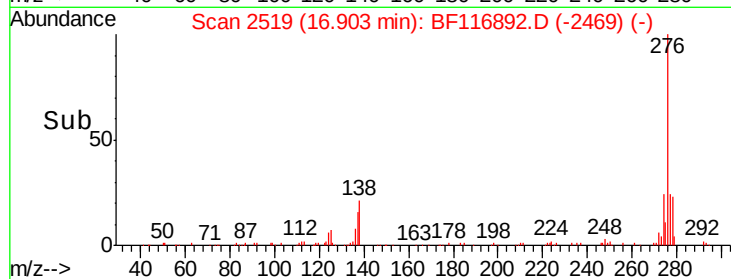
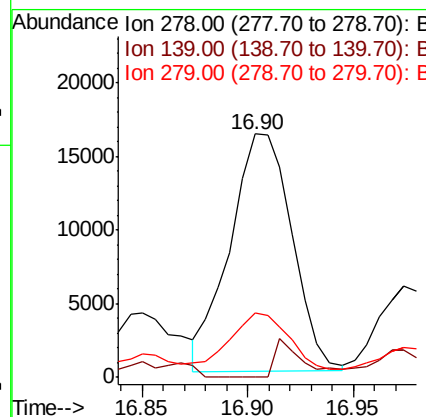
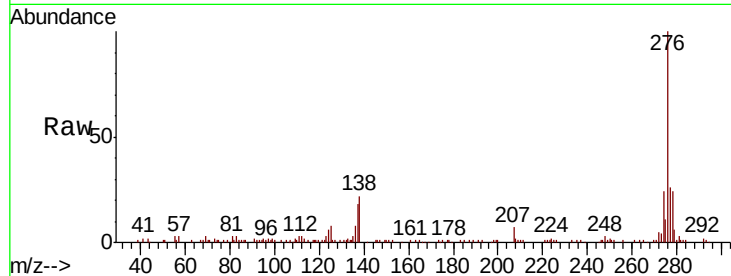
#91
Dibenzo(a,h)anthracene
Concen: 3.937 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6
279	26.7	18.2	27.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 14.804 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF116892.D
Acq: 9 Sep 2019 2:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.5	27.7
138	23.9	16.2	24.2

