

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
 Data File : BF115348.D
 Acq On : 1 Jul 2019 19:41
 Operator : HP/JU
 Sample : K3576-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
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mohammad
 7/2/2019 2:53:53 PM

Quant Time: Jul 02 09:21:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	237977	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	931524	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	447879	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	834848	20.00	ng	0.00
76) Chrysene-d12	13.72	240	535878	20.00	ng	0.00
87) Perylene-d12	15.09	264	475686	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	424860	27.55	ng	0.00
7) Phenol-d6	6.24	99	552364	29.51	ng	0.00
23) Nitrobenzene-d5	7.16	82	308734	20.39	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	144805	30.66	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	700488	26.57	ng	0.00
79) Terphenyl-d14	12.68	244	717609	28.47	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.35	163	103889	3.153	ng	98
71) Phenanthrene	11.13	178	971082	21.604	ng	97
72) Anthracene	11.18	178	290656	6.406	ng	98
75) Fluoranthene	12.31	202	1690397	37.692	ng	97
78) Pyrene	12.54	202	1551029	37.662	ng	99
81) Benzo(a)anthracene	13.72	228	710134	18.469	ng	99
83) Chrysene	13.75	228	677063	19.223	ng	97
86) Indeno(1,2,3-cd)pyrene	16.37	276	300835	7.218	ng	94
88) Benzo(b)fluoranthene	14.72	252	746129m	25.138	ng	
89) Benzo(k)fluoranthene	14.74	252	211689m	7.953	ng	
90) Benzo(a)pyrene	15.04	252	510787	19.093	ng	99
91) Dibenzo(a,h)anthracene	16.38	278	75349	3.017	ng	# 83
92) Benzo(a,h,i)perylene	16.75	276	282092	11.160	ng	98

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

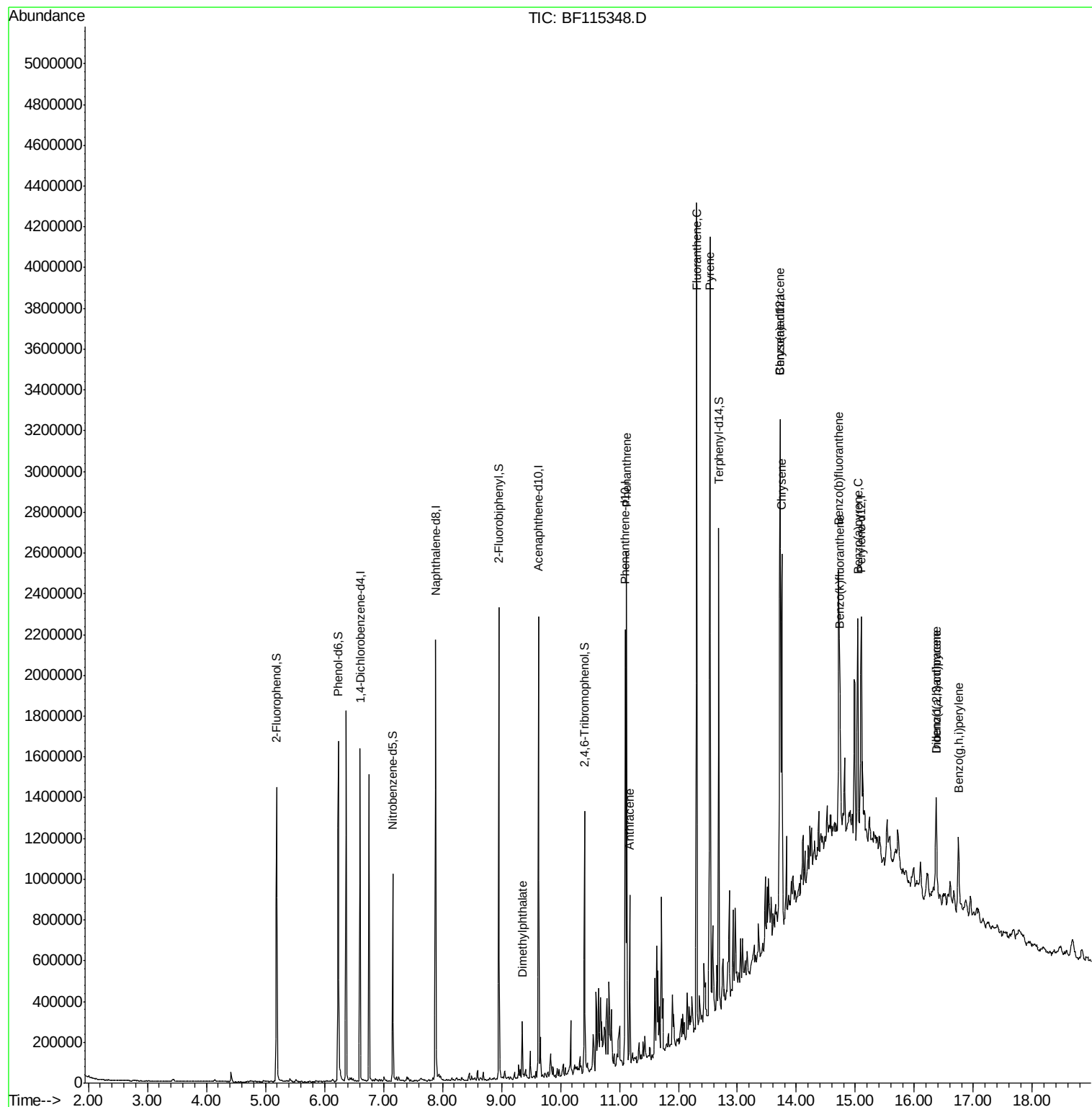
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115348.D
Acq On : 1 Jul 2019 19:41
Operator : HP/JU
Sample : K3576-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

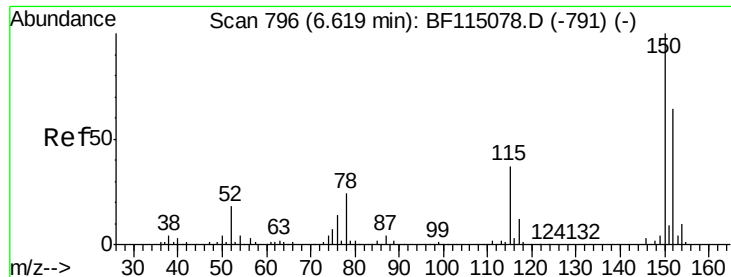
Instrument :
BNA_F
ClientSampleId :
SP-1

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#1

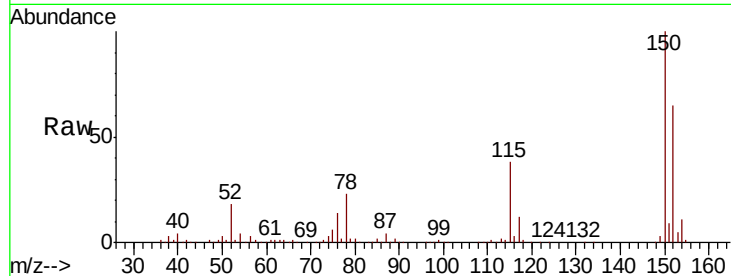
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.2	186.2
115	58.1	46.1	69.1

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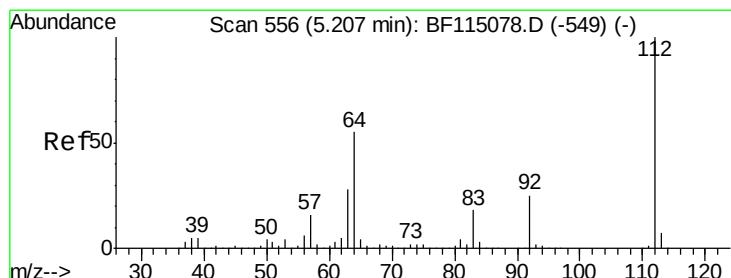
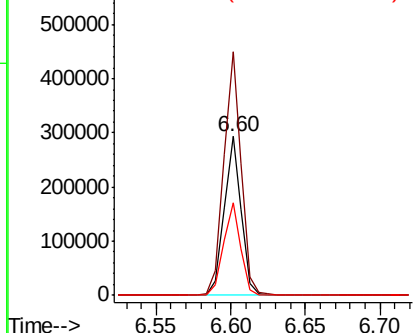
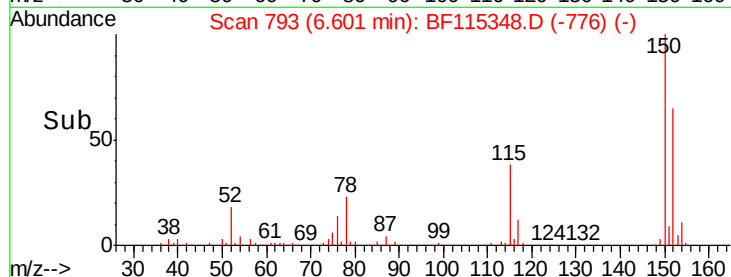


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

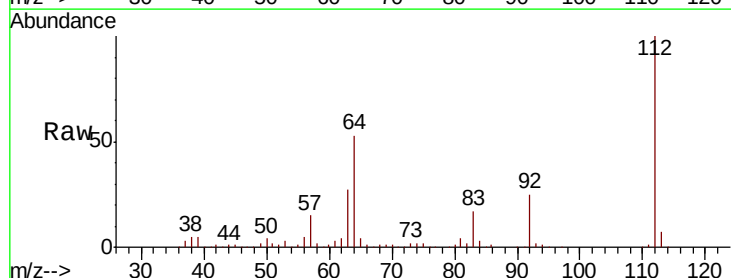
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.550 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	43.8	65.6
63	27.0	22.2	33.4

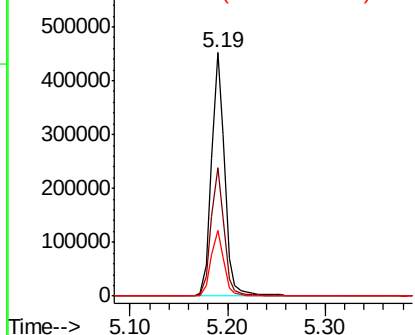
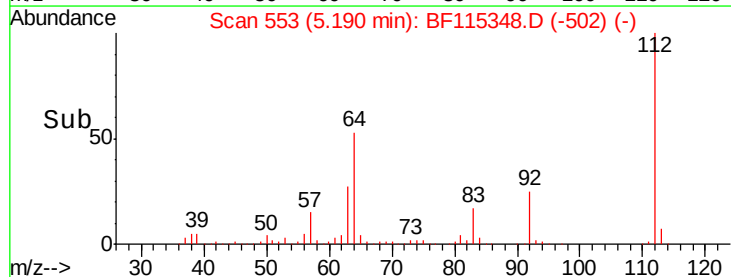


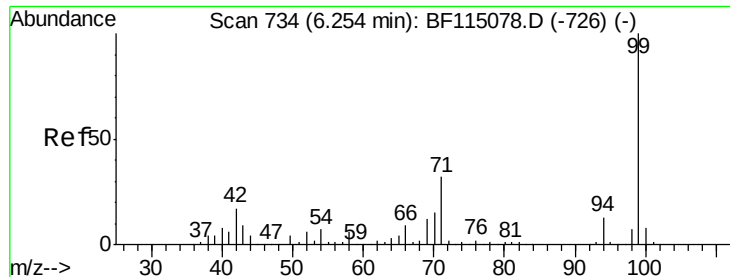
Abundance

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: 29.510 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115348.D

Acq: 1 Jul 2019 19:41

Instrument :

BNA_F

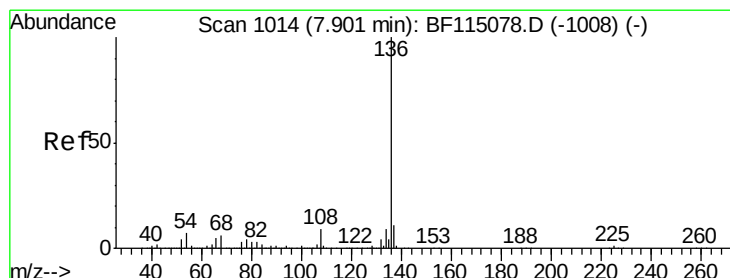
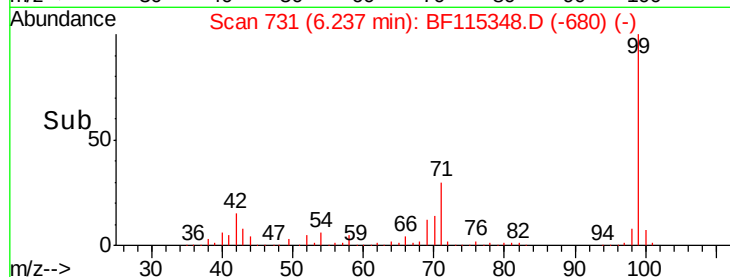
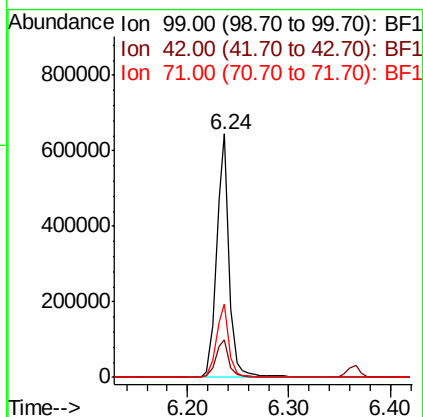
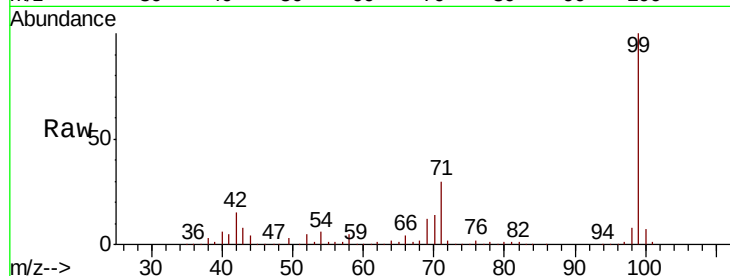
ClientSampleId :

SP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		552364		
42	15.2	13.6	20.4		
71	30.3	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

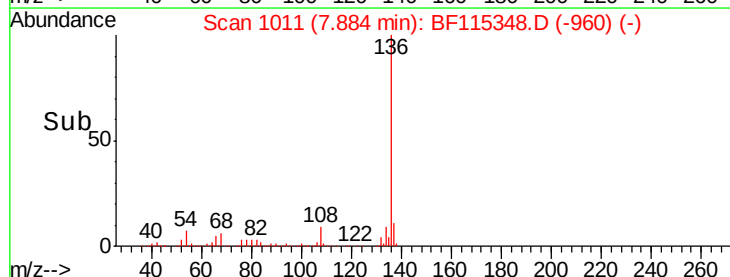
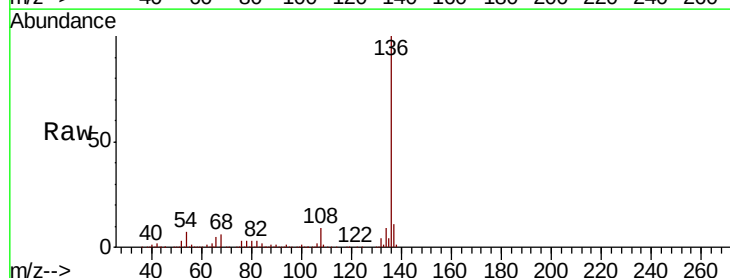
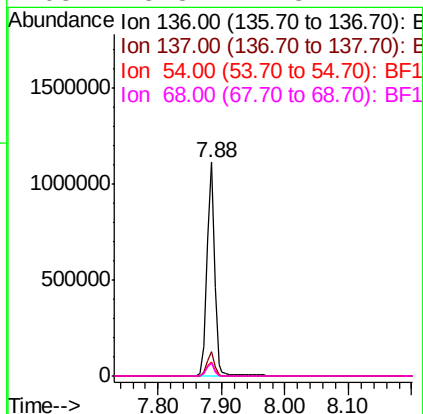
RT: 7.88 min Scan# 1011

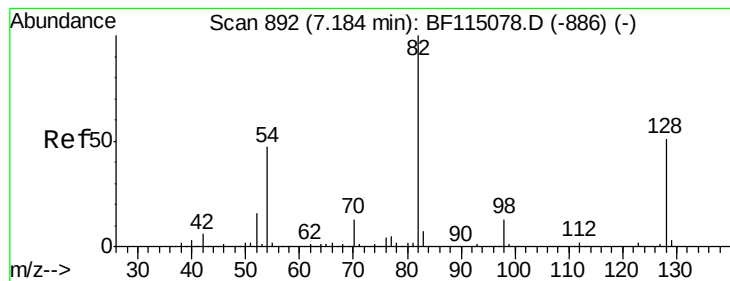
Delta R.T. 0.00 min

Lab File: BF115348.D

Acq: 1 Jul 2019 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		931524		
137	11.4	8.9	13.3		
54	6.8	5.6	8.4		
68	5.8	4.8	7.2		





#23

Nitrobenzene-d5

Concen: 20.388 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115348.D

Acq: 1 Jul 2019 19:41

Instrument :

BNA_F

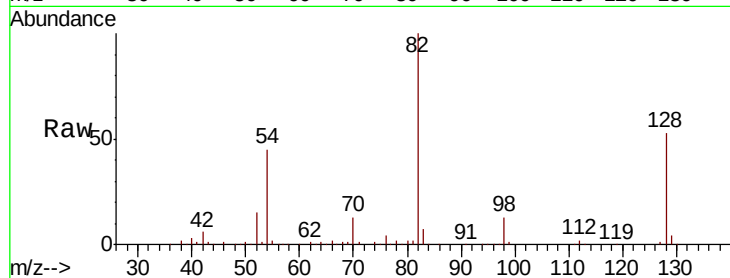
ClientSampled :

SP-1

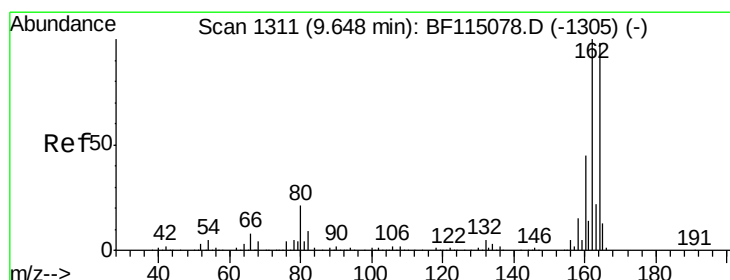
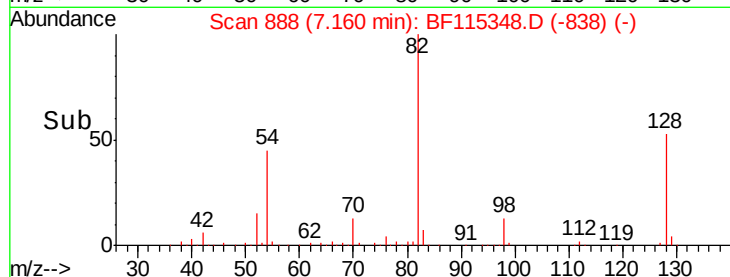
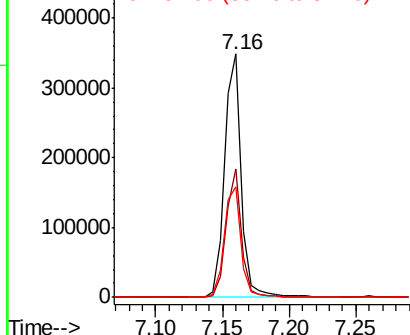
Tot Ion	82	Resp	308734
Ion Ratio	Lower	Upper	
82	100		
128	52.7	40.4	60.6
54	45.5	37.5	56.3

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1308

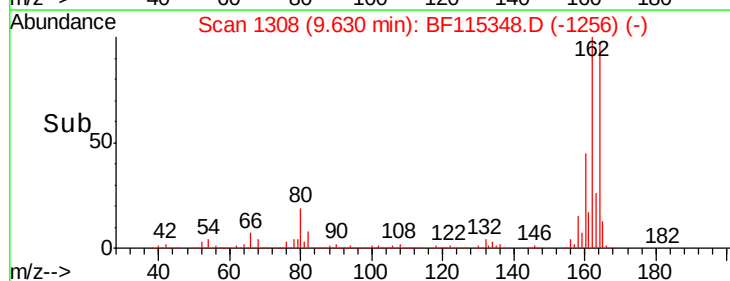
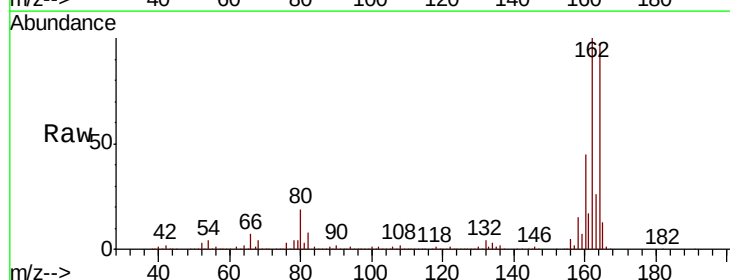
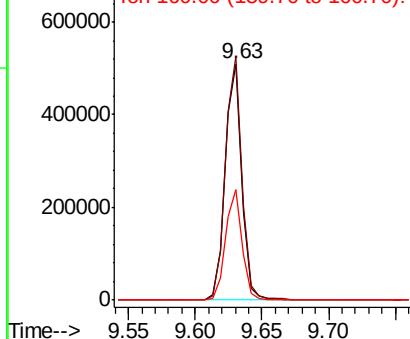
Delta R.T. 0.01 min

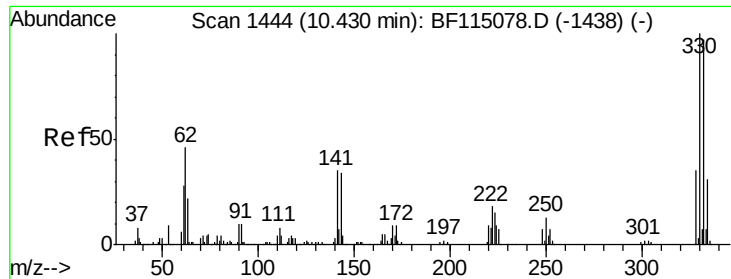
Lab File: BF115348.D

Acq: 1 Jul 2019 19:41

Tgt Ion	164	Resp	447879
Ion Ratio	Lower	Upper	
164	100		
162	103.1	81.7	122.5
160	46.8	37.0	55.4

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





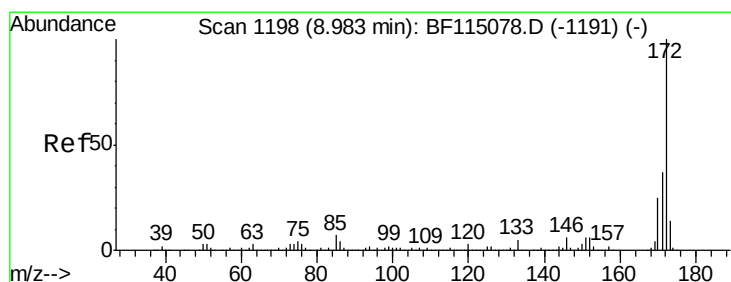
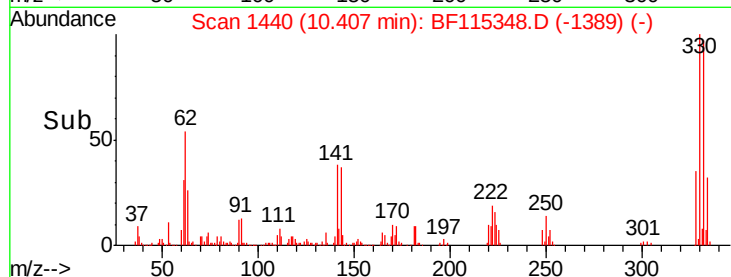
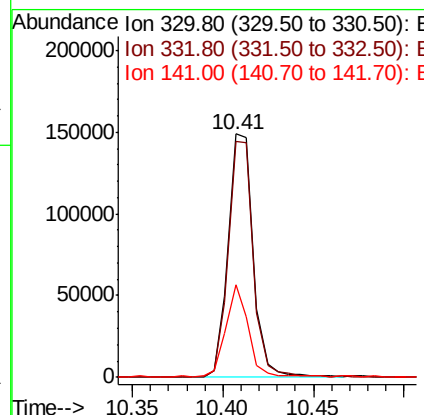
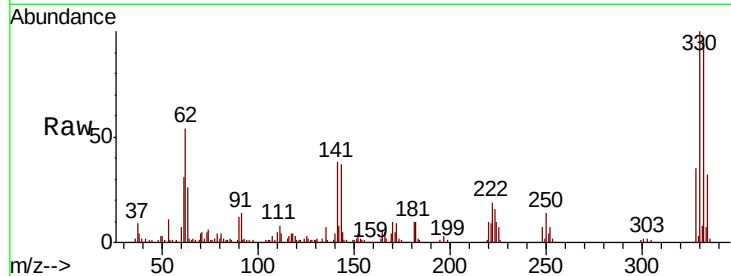
#42
 2,4,6-Tribromophenol
 Concen: 30.659 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115348.D
 Acq: 1 Jul 2019 19:41

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	144805		
332	97.4		77.3	115.9
141	33.3		28.2	42.2

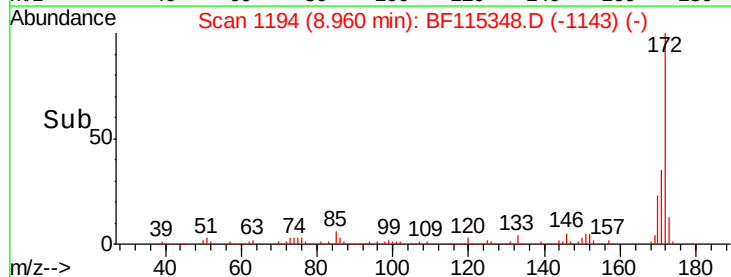
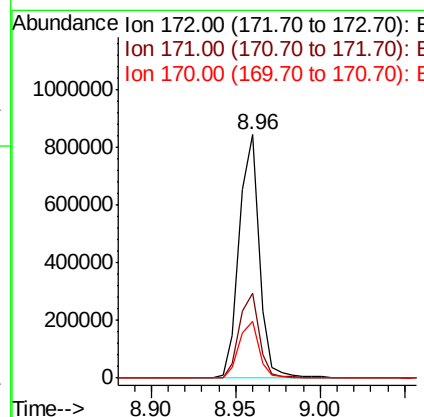
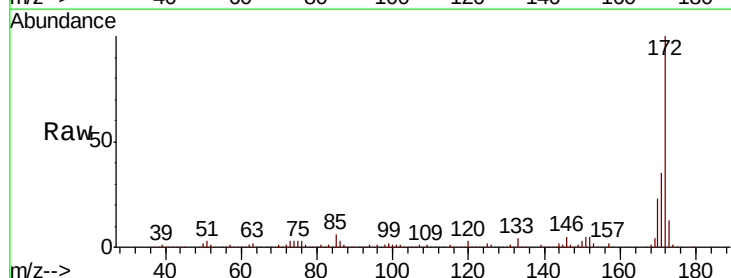
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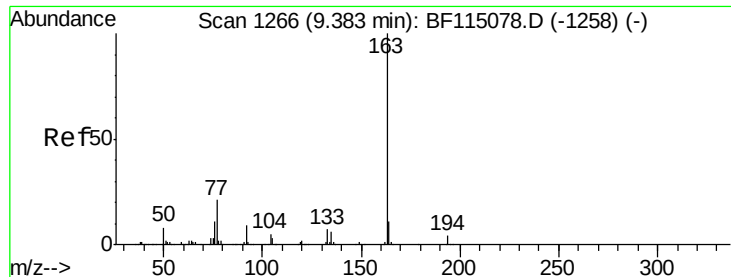
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#45
 2-Fluorobiphenyl
 Concen: 26.567 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115348.D
 Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	700488		
171	35.1		29.8	44.6
170	23.3		20.3	30.5





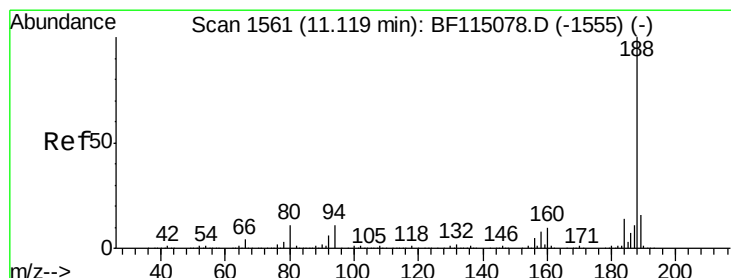
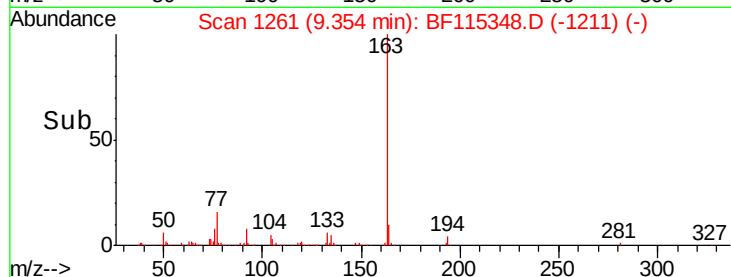
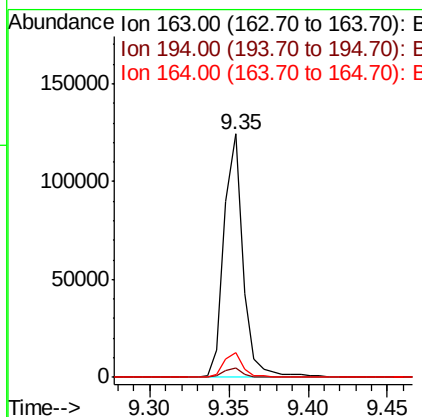
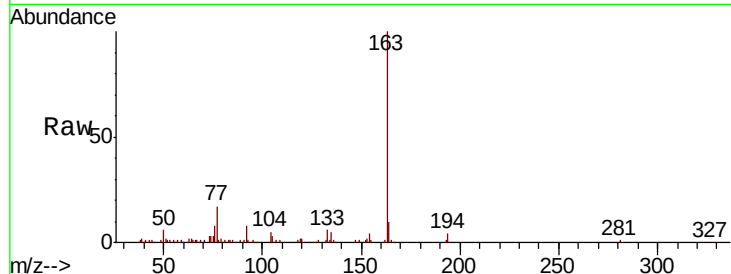
#50
Dimethylphthalate
Concen: 3.153 ng
RT: 9.35 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	3.2	4.8	
164	10.0	8.6	13.0	

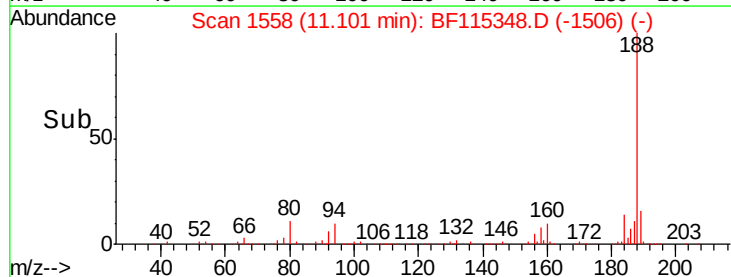
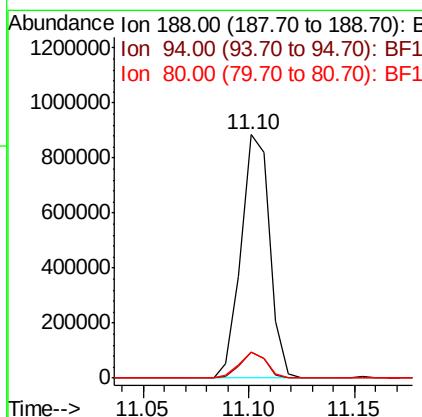
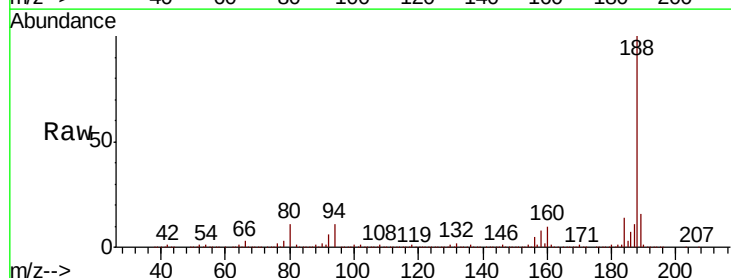
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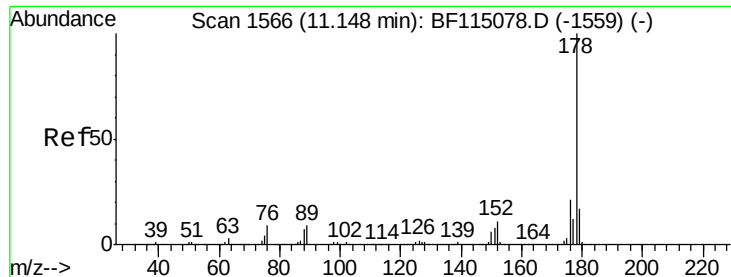
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	8.6	12.8	
80	10.9	8.8	13.2	





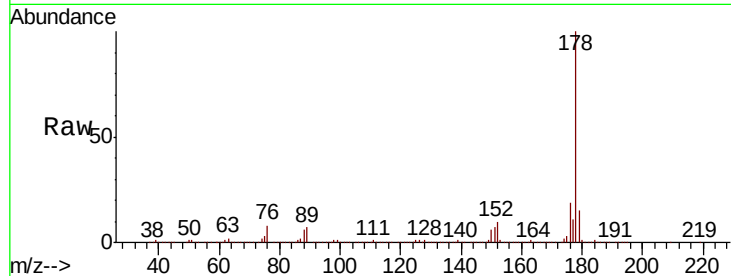
#71
Phenanthrene
Concen: 21.604 ng
RT: 11.13 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.9	25.3
179	15.3	13.2	19.8

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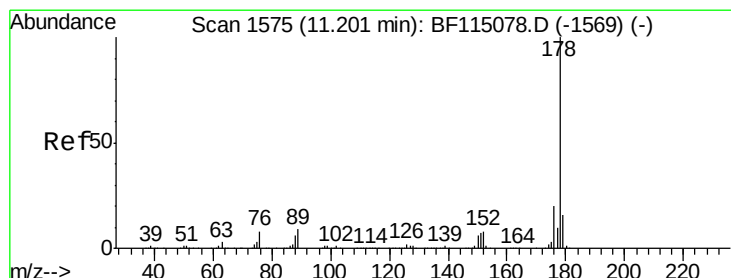
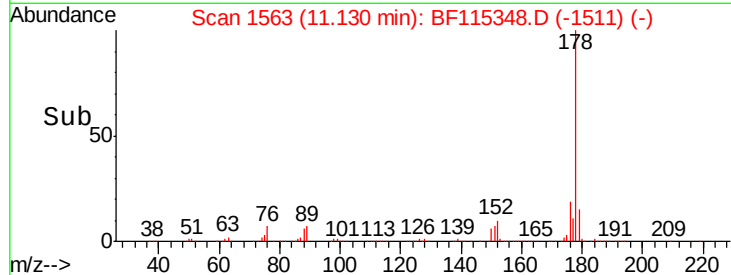
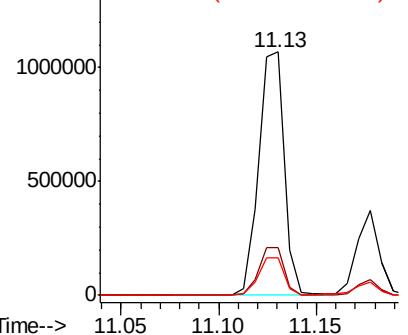


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 6.406 ng
RT: 11.18 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

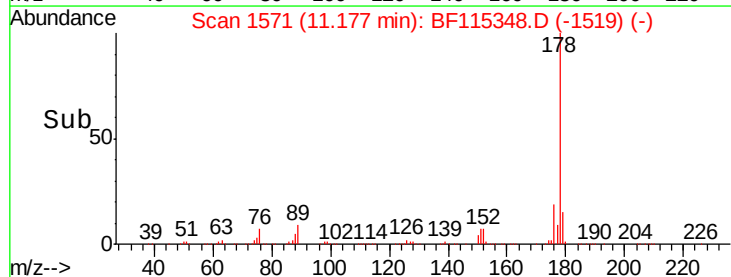
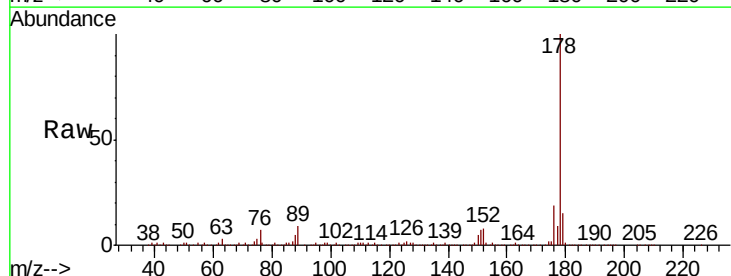
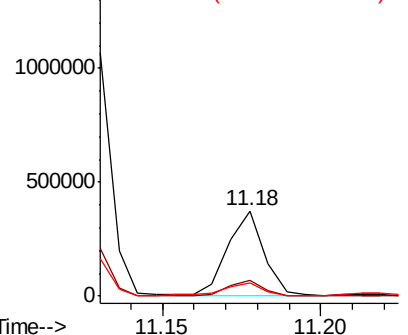
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.1	24.1
179	15.5	12.9	19.3

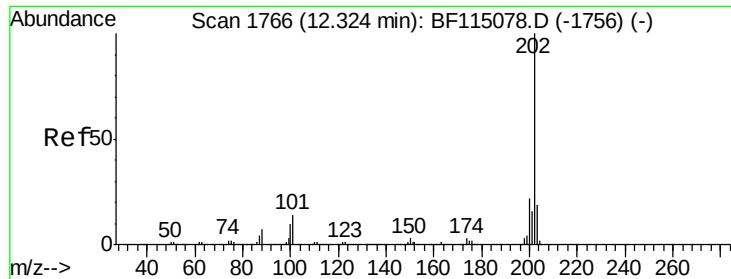
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 37.692 ng

RT: 12.31 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF115348.D

Acq: 1 Jul 2019 19:41

Instrument :

BNA_F

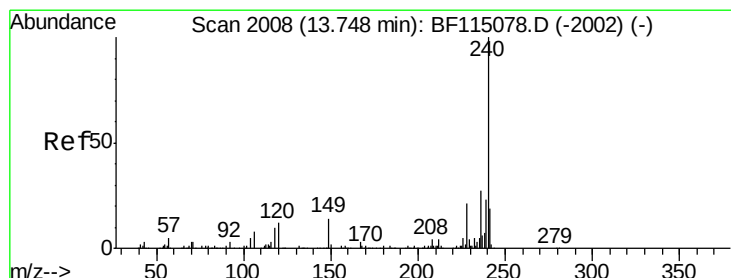
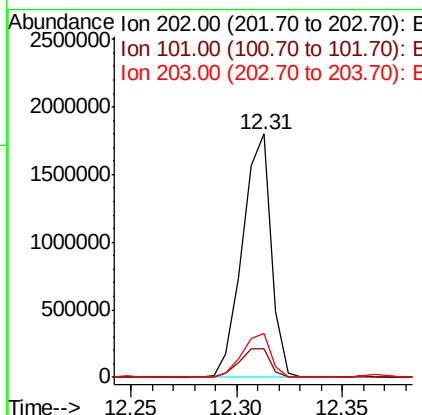
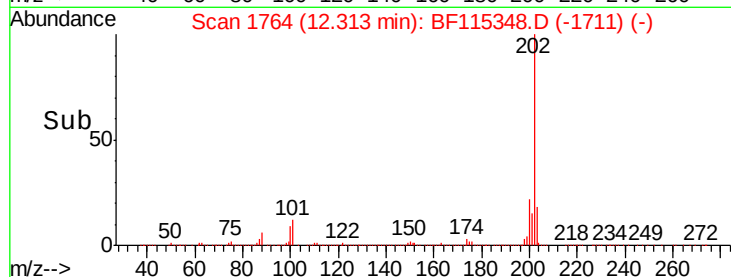
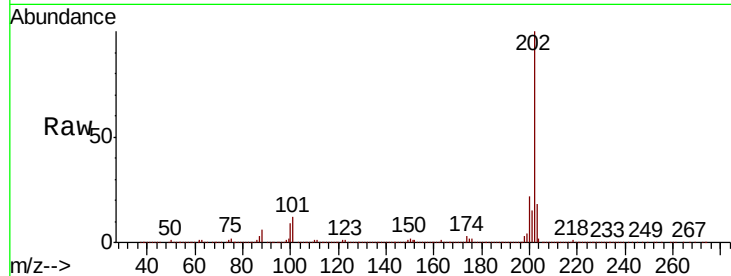
ClientSampled :

SP-1

Tot Ion:	202	Resp:	1690397
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.0
203	17.9	0.0	38.8

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#76

Chrysene-d12

Concen: 20.000 ng

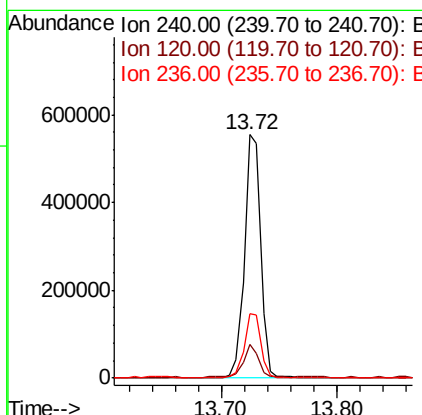
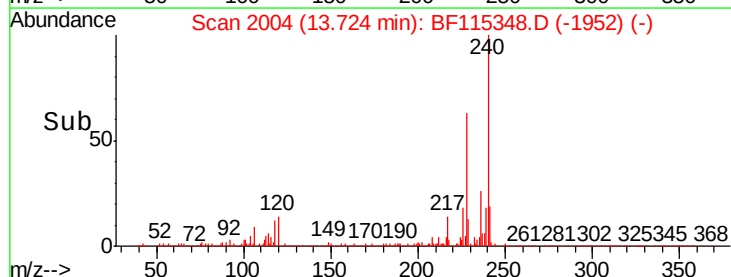
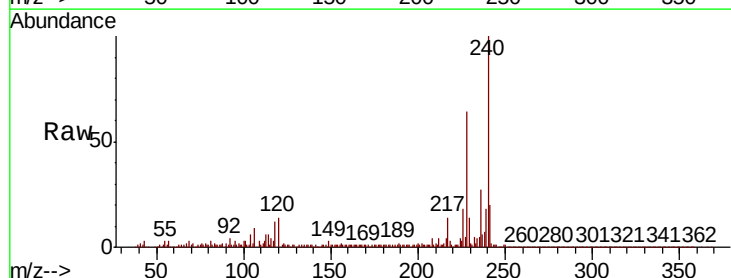
RT: 13.72 min Scan# 2004

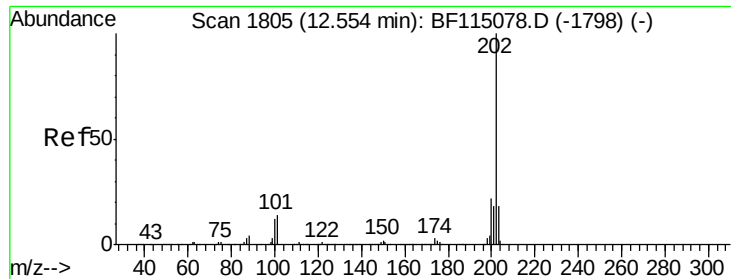
Delta R.T. 0.01 min

Lab File: BF115348.D

Acq: 1 Jul 2019 19:41

Tgt Ion:	240	Resp:	535878
Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.4	14.2
236	26.7	21.7	32.5





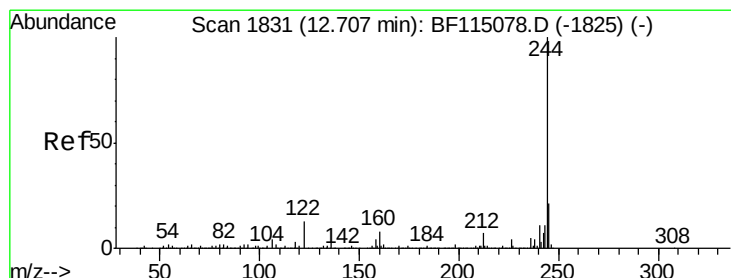
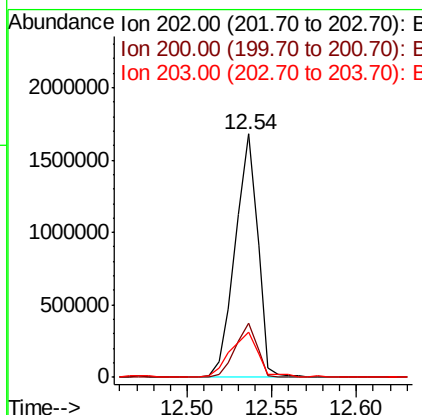
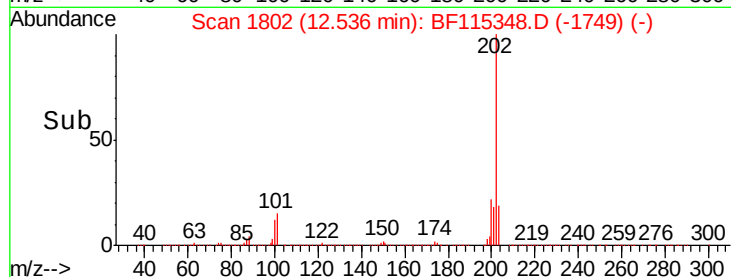
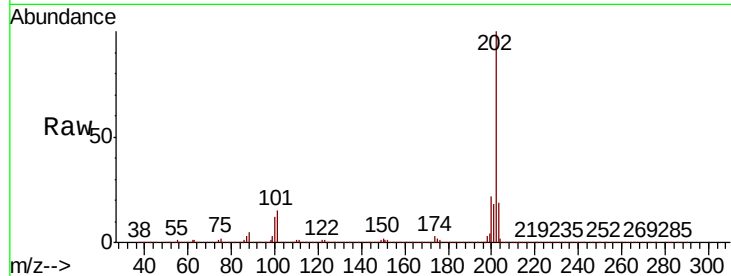
#78
Pvrene
Concen: 37.662 ng
RT: 12.54 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.9	26.9
203	18.7	14.6	21.8

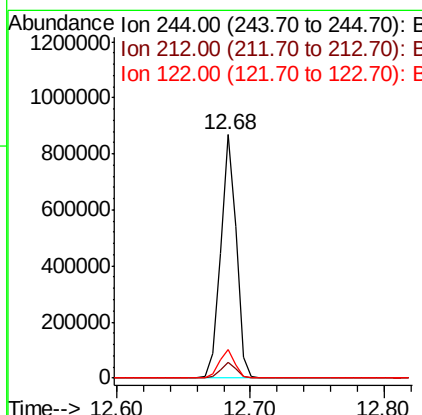
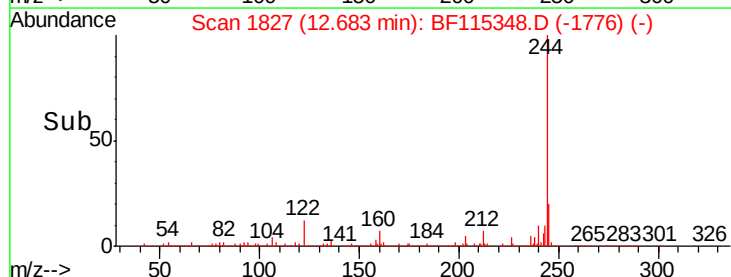
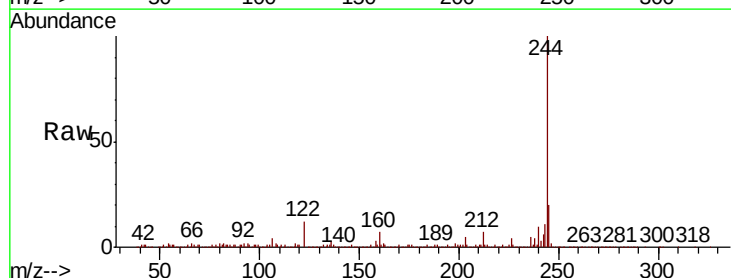
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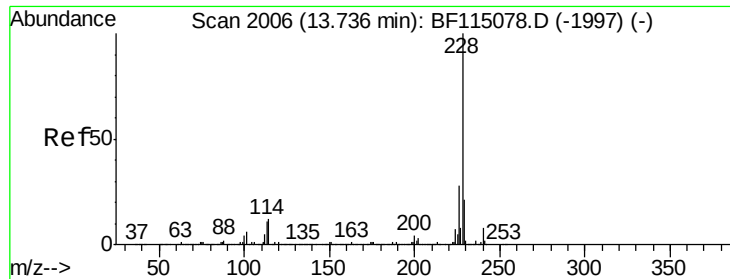
mohammad
7/2/2019 2:53:53 PM



#79
Terphenyl-d14
Concen: 28.472 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.9	10.4	15.6





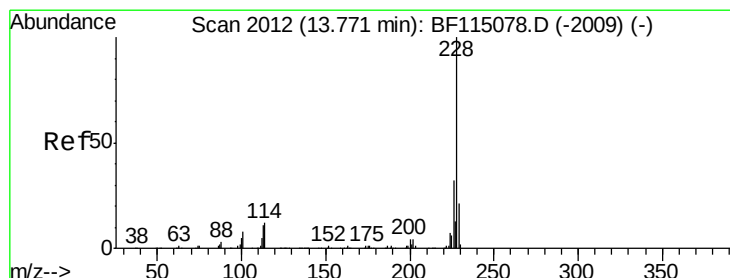
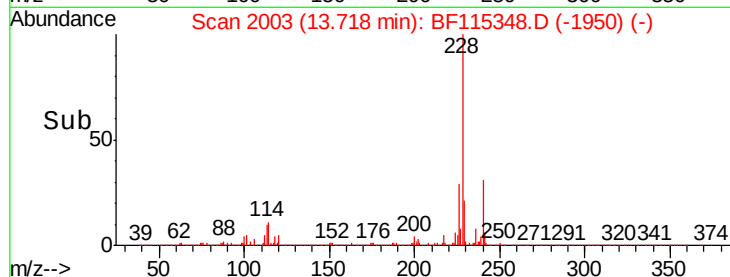
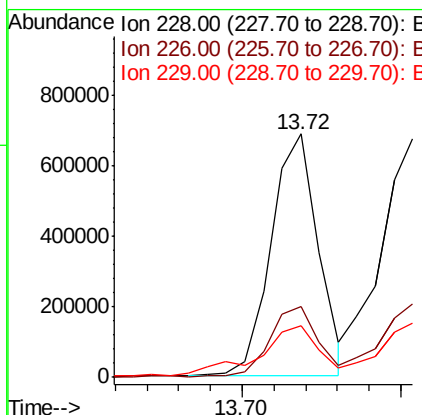
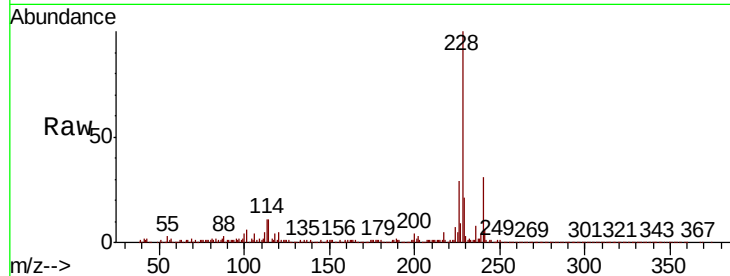
#81
Benzo(a)anthracene
Concen: 18.469 ng
RT: 13.72 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.5	33.7
229	21.2	16.6	24.8

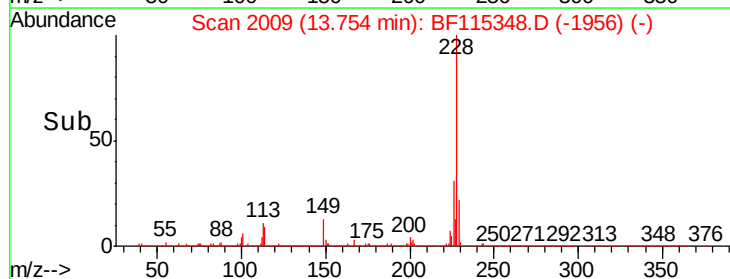
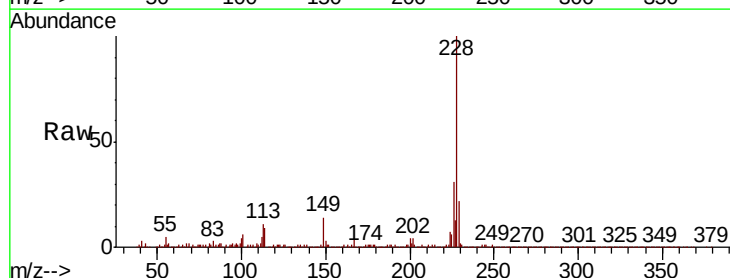
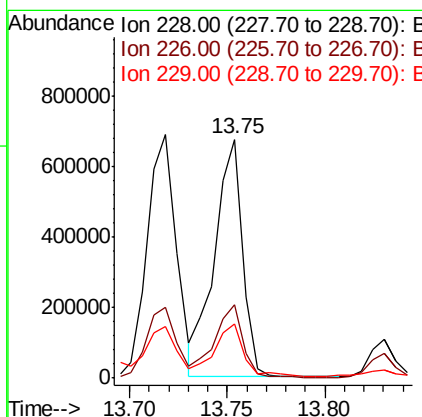
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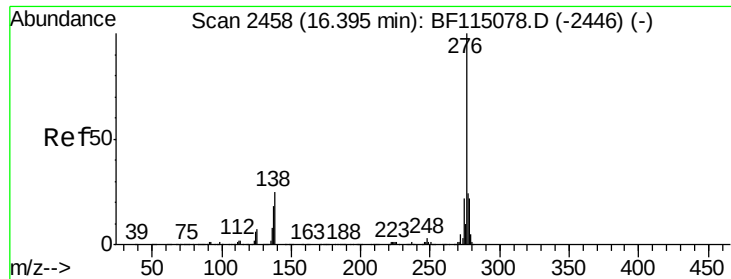
mohammad
7/2/2019 2:53:53 PM



#83
Chrysene
Concen: 19.223 ng
RT: 13.75 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	22.5	16.5	24.7





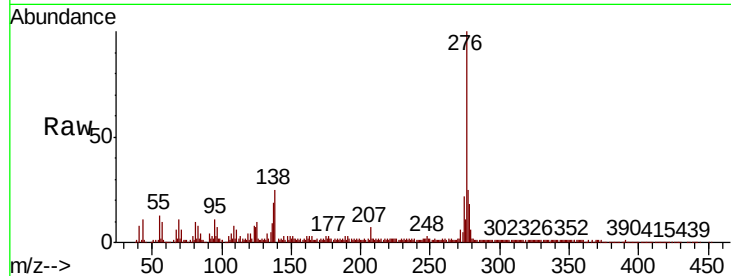
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.218 ng
RT: 16.37 min Scan# 2453
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.2	34.8
277	23.6	20.1	30.1

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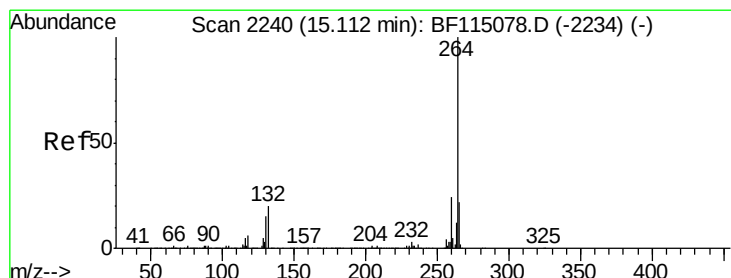
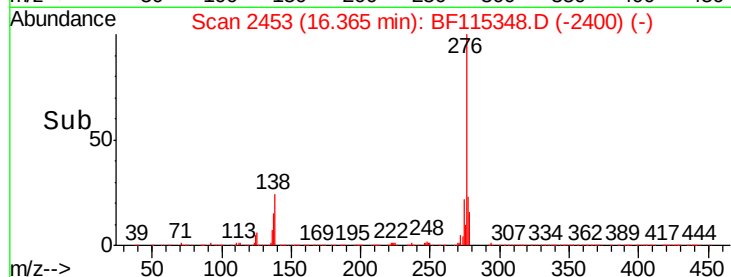
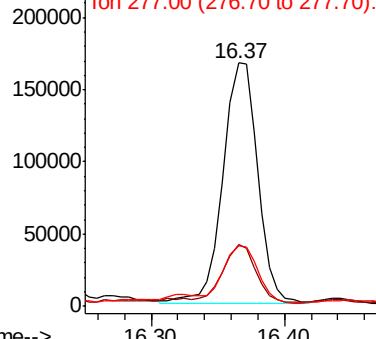


Abundance

Ion 276.00 (275.70 to 276.70): E

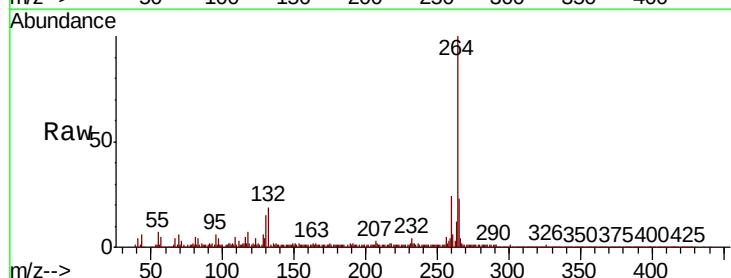
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.09 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	22.7	17.3	25.9

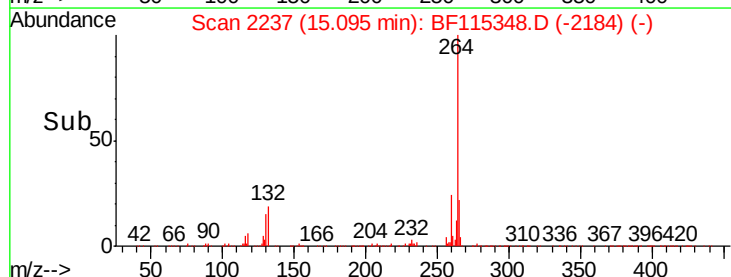
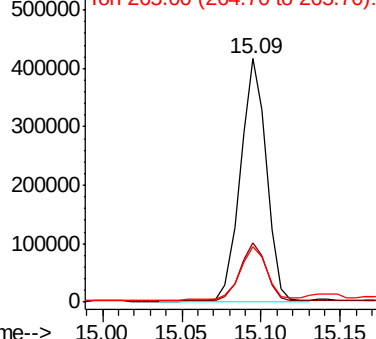


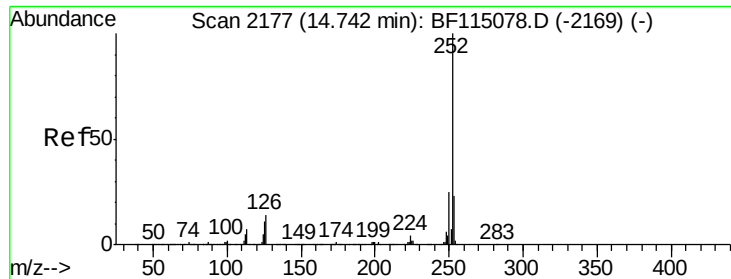
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





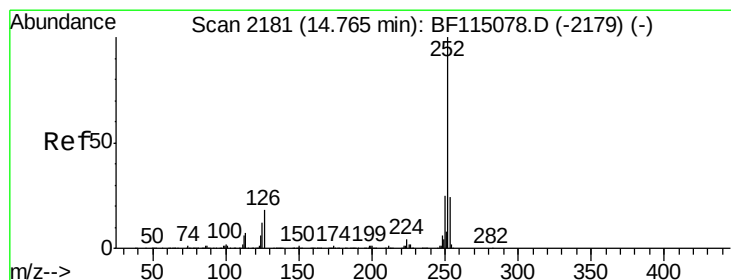
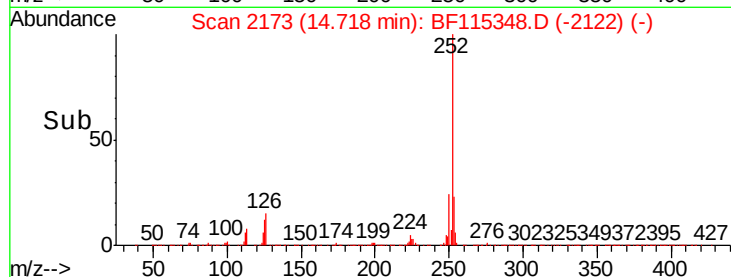
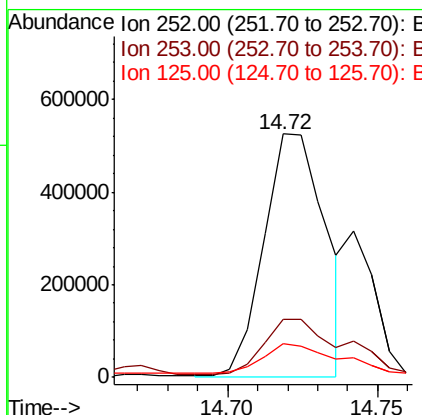
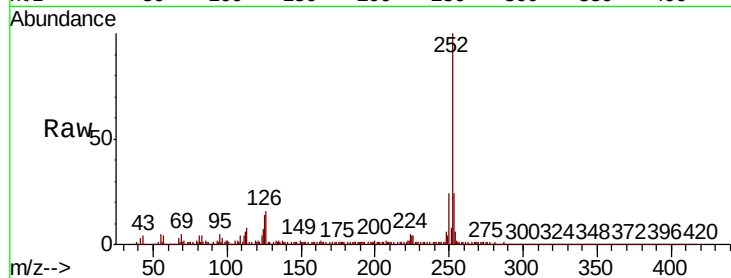
#88
Benzo(b)fluoranthene
Concen: 25.138 ng m
RT: 14.72 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	13.7	8.7	13.1

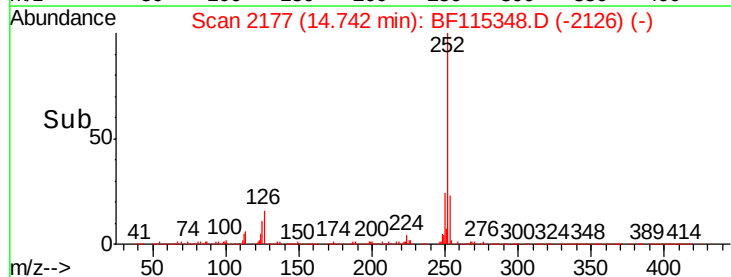
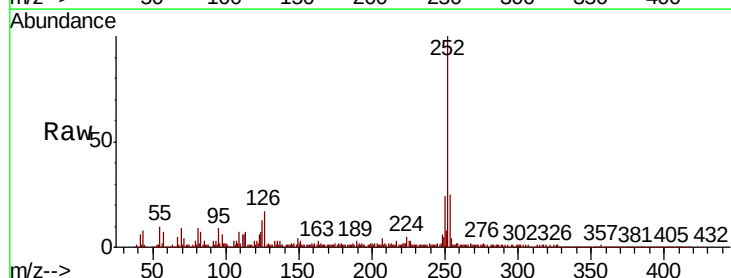
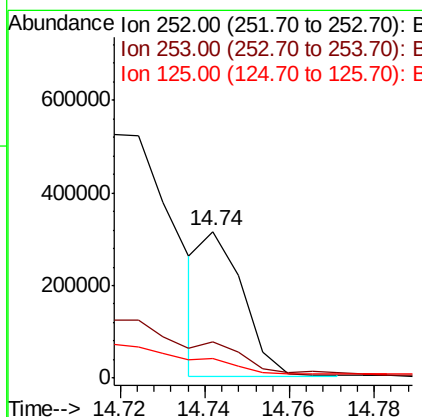
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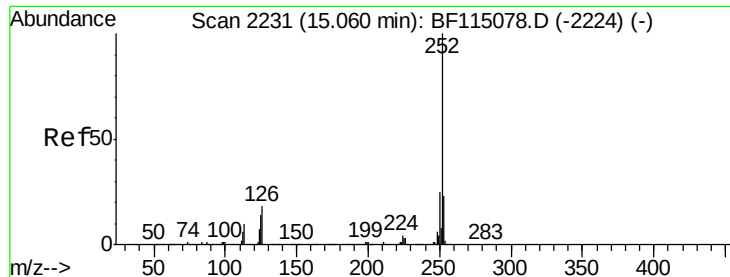
mohammad
7/2/2019 2:53:53 PM



#89
Benzo(k)fluoranthene
Concen: 7.953 ng m
RT: 14.74 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.9	28.3
125	13.5	10.2	15.2





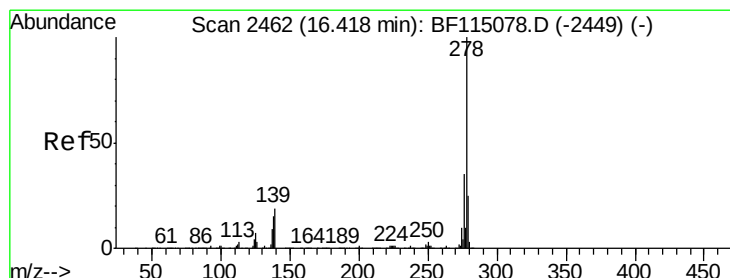
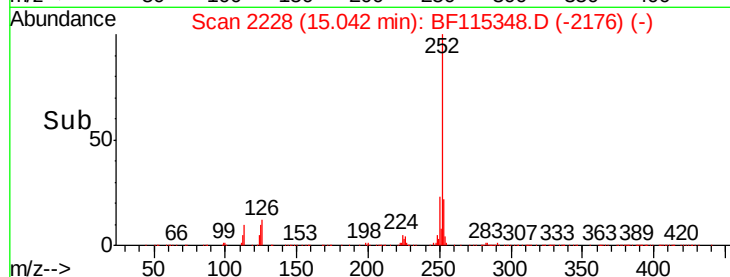
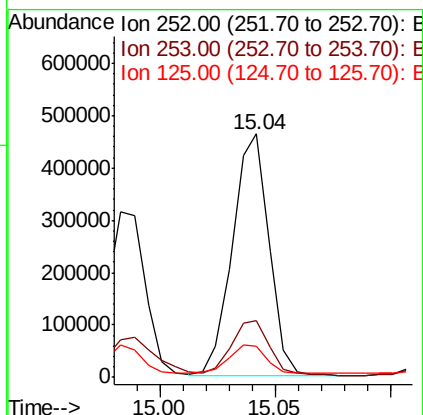
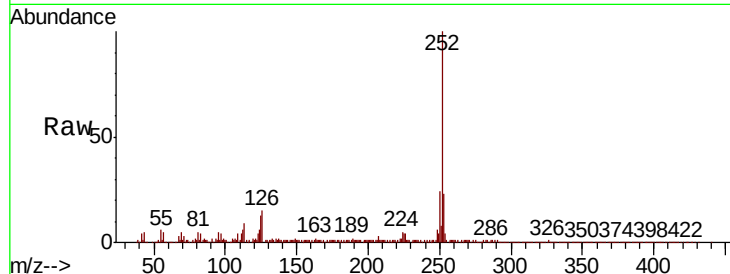
#90
Benzo(a)pyrene
Concen: 19.093 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	12.7	10.9	16.3

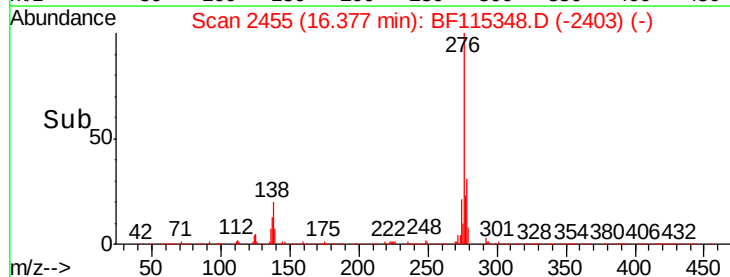
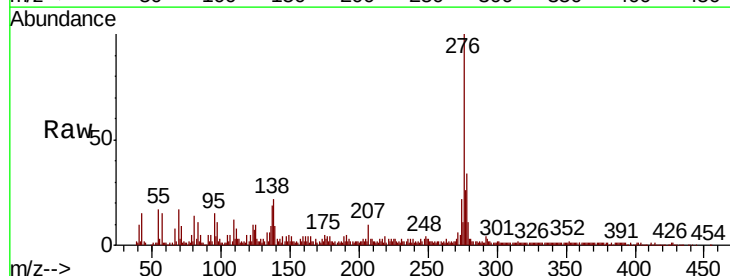
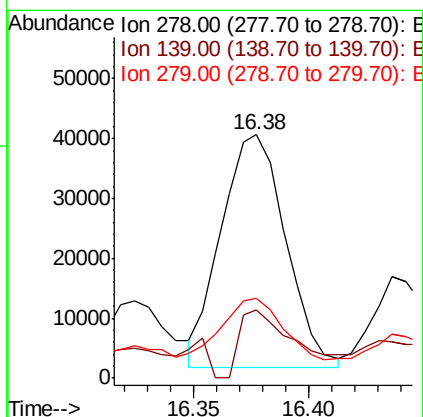
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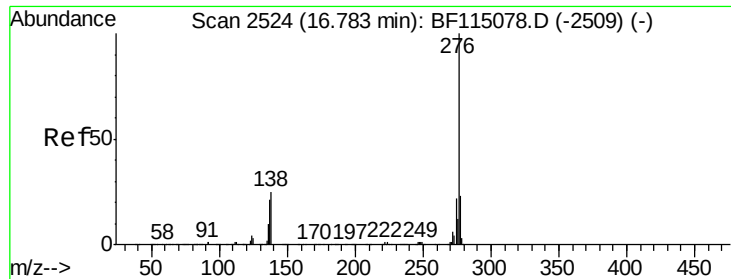
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.017 ng
RT: 16.38 min Scan# 2455
Delta R.T. 0.01 min
Lab File: BF115348.D
Acq: 1 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.3	15.4	23.2#
279	32.6	19.9	29.9#





#92
 Benzo(a,h,i)perylene
 Concen: 11.160 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF115348.D
 Acq: 1 Jul 2019 19:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	25.1	19.8	29.6

Manual Integrations
 APPROVED

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 7/2/2019 2:53:53 PM

