

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115953.D
 Acq On : 2 Aug 2019 18:18
 Operator : HP/JU
 Sample : K4131-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(30)

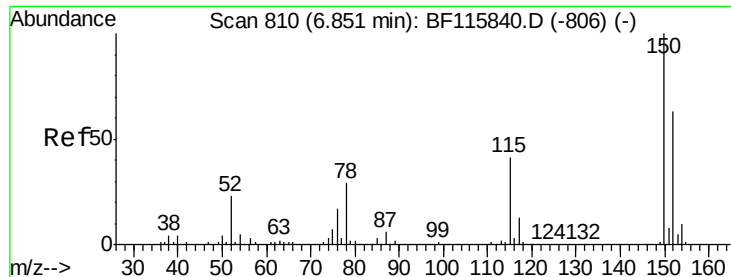
Manual Integrations
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Quant Time: Aug 03 00:35:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	101537	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	400244	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	220488	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	402240	20.00	ng	0.00
76) Chrysene-d12	14.03	240	308777	20.00	ng	0.00
87) Perylene-d12	15.50	264	349668	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	581751	95.91	ng	0.00
7) Phenol-d6	6.48	99	751801	98.24	ng	0.00
23) Nitrobenzene-d5	7.41	82	482294	69.56	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	199350	93.25	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	842054	71.53	ng	0.00
79) Terphenyl-d14	12.97	244	914605	62.41	ng	0.00
Target Compounds						
10) Phenol	6.49	94	40270	4.469	ng	94
50) Dimethylphthalate	9.60	163	72730	4.845	ng	99
71) Phenanthrene	11.40	178	273535	13.302	ng	99
72) Anthracene	11.46	178	78293	3.762	ng	97
75) Fluoranthene	12.60	202	449314	20.871	ng	99
78) Pyrene	12.83	202	379237	16.293	ng	98
81) Benzo(a)anthracene	14.02	228	212866	10.786	ng	98
83) Chrysene	14.06	228	167635	8.749	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	89853	5.583	ng	98
88) Benzo(b)fluoranthene	15.07	252	210047m	10.389	ng	
89) Benzo(k)fluoranthene	15.10	252	69999m	3.555	ng	
90) Benzo(a)pyrene	15.44	252	152393	8.432	ng	# 90
92) Benzo(a,h,i)perylene	17.43	276	86530	5.632	ng	97

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



#1

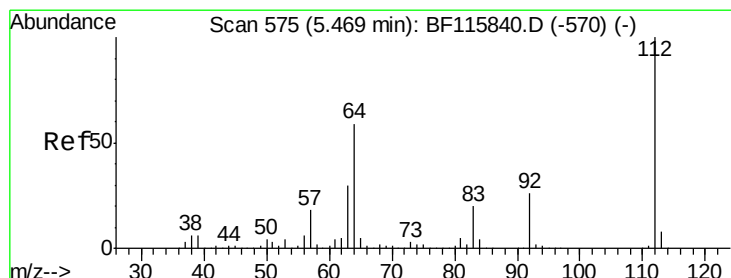
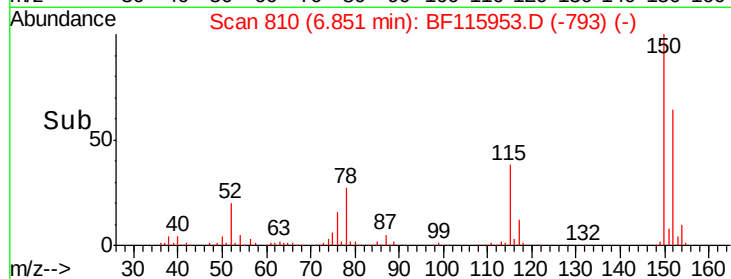
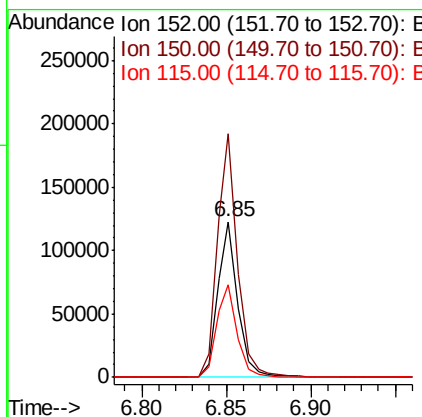
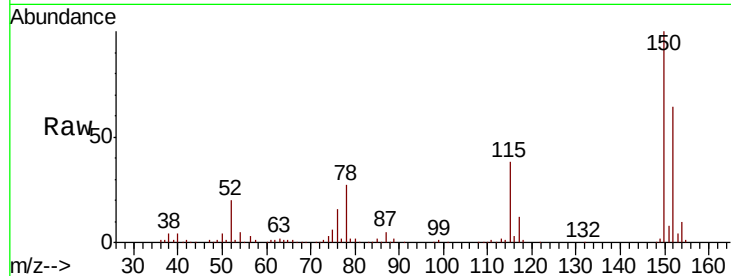
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.0
115	59.3	51.8	77.8

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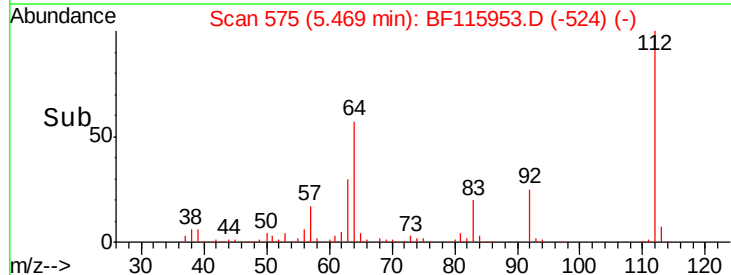
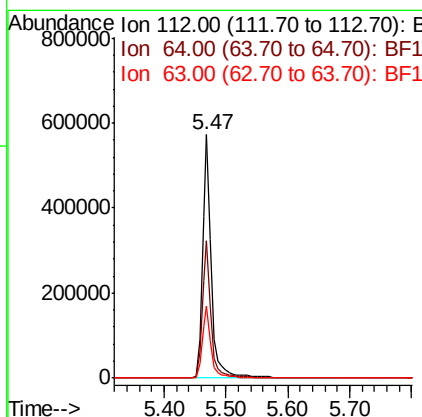
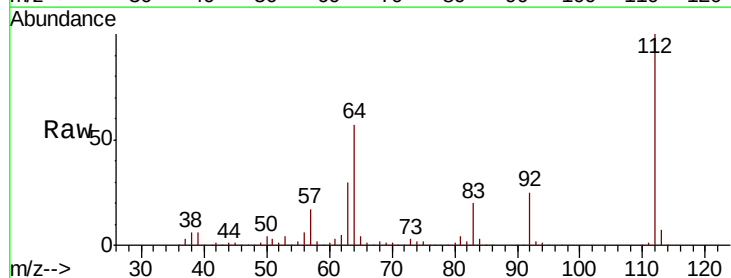
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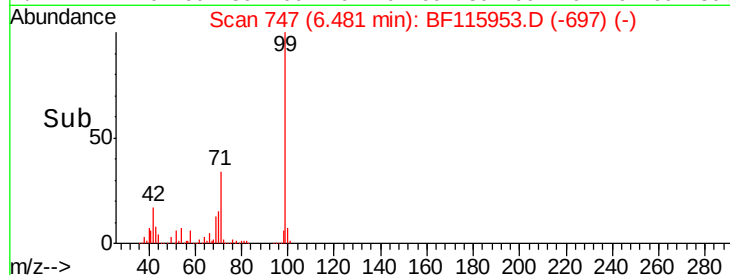
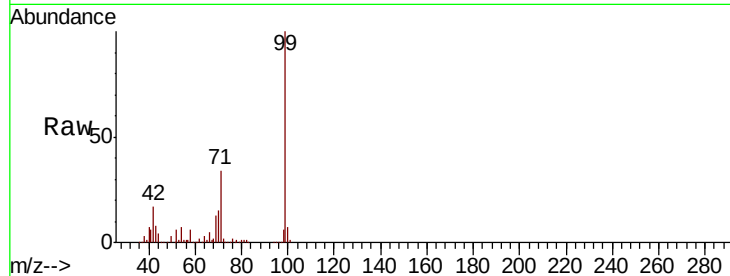
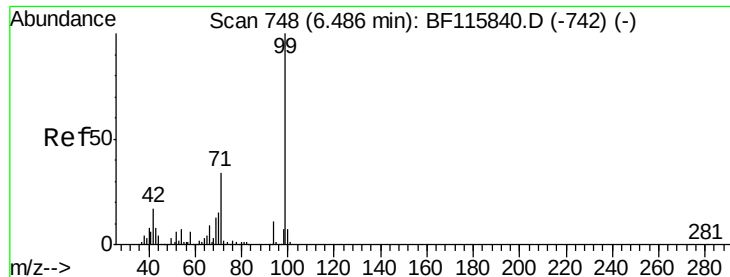


#5

2-Fluorophenol
Concen: 95.915 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.8	70.2
63	29.7	24.2	36.2





#7

Phenol-d6

Concen: 98.243 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Tot Ion:	99	Resp:	751801
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.8	20.6
71	33.6	27.1	40.7

Instrument :

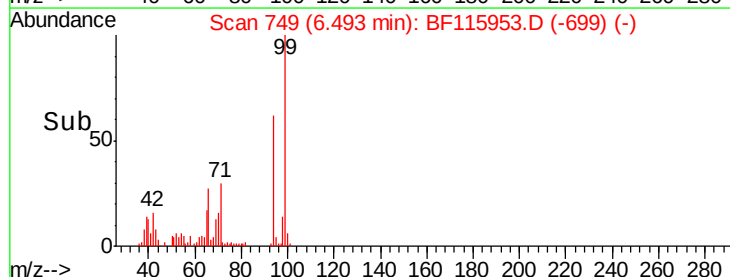
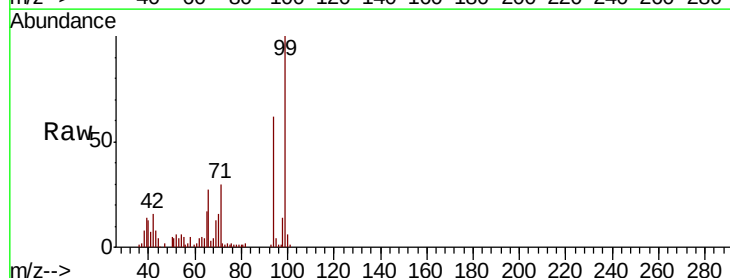
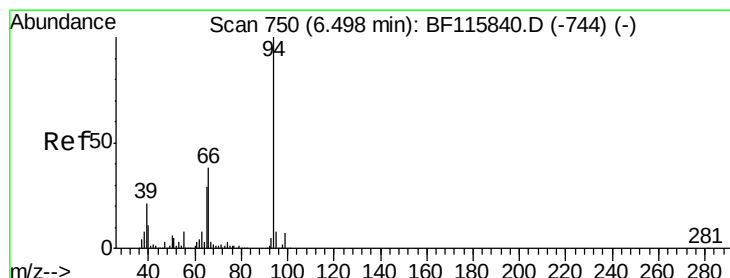
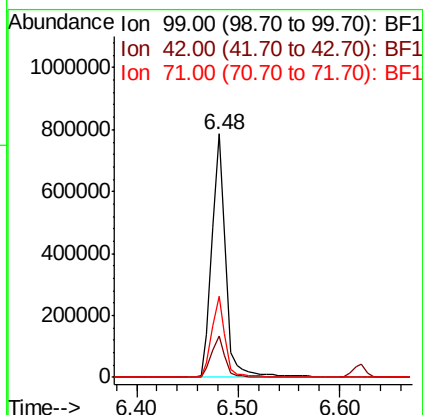
BNA_F

ClientSampleId :

1S-D1-D4-COMP-(30)

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#10

Phenol

Concen: 4.469 ng

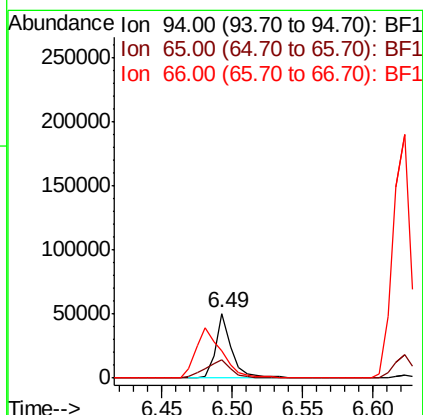
RT: 6.49 min Scan# 749

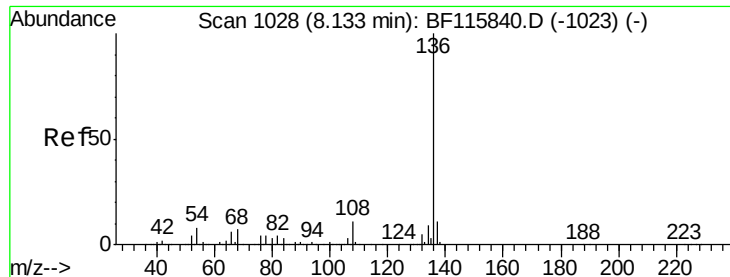
Delta R.T. -0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Tgt Ion:	94	Resp:	40270
Ion Ratio	Lower	Upper	
94	100		
65	27.7	8.9	48.9
66	42.9	18.0	58.0





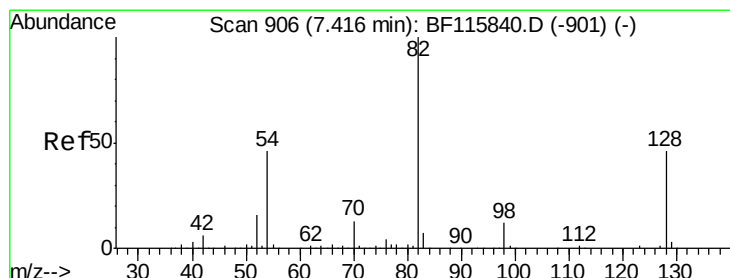
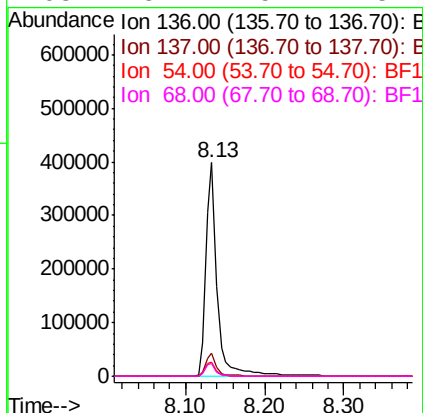
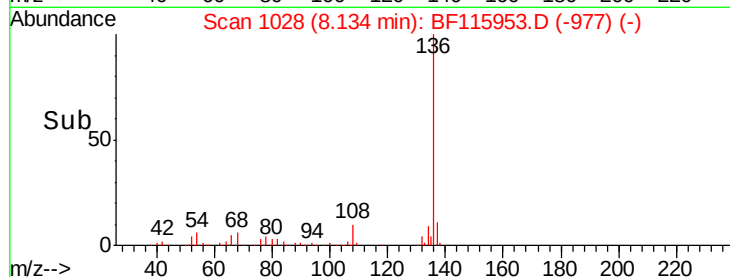
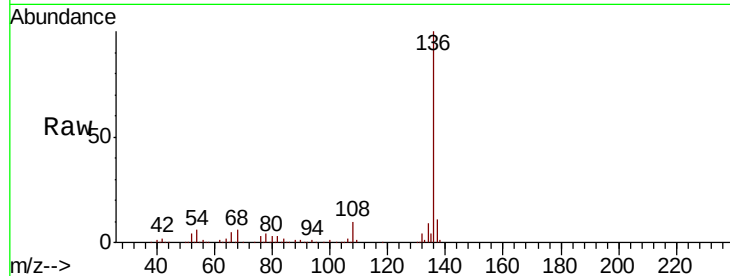
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.5	6.1	9.1
68	5.7	5.4	8.2

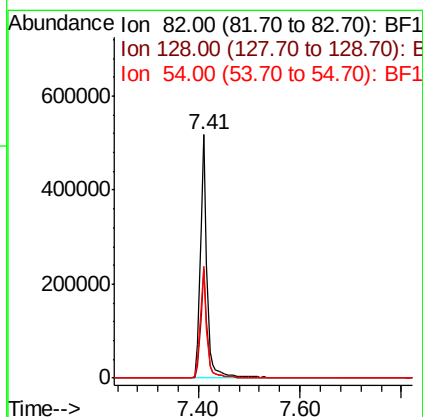
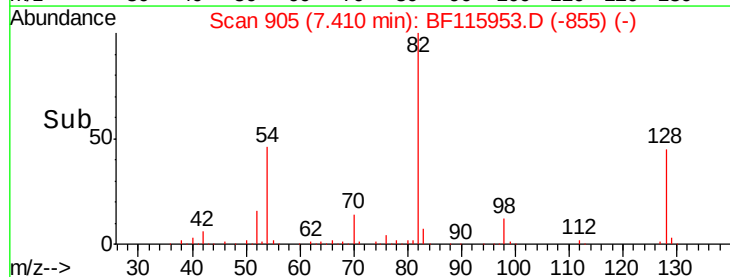
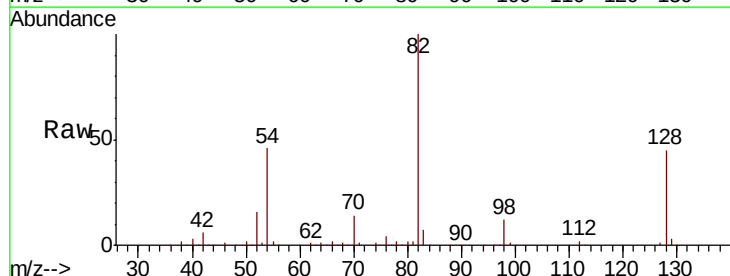
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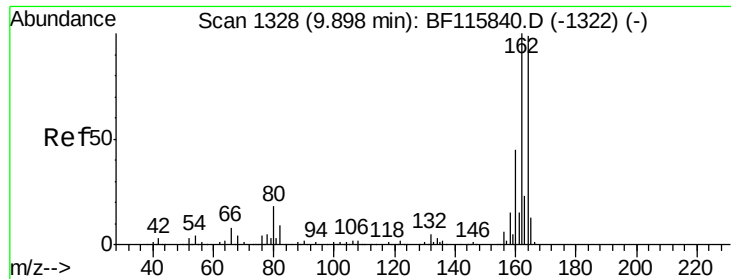
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#23
Nitrobenzene-d5
Concen: 69.556 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.6	55.0
54	45.9	36.6	55.0





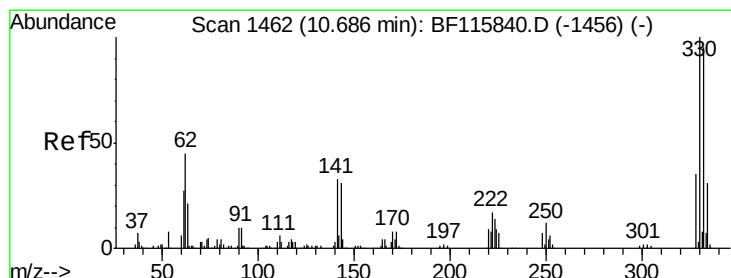
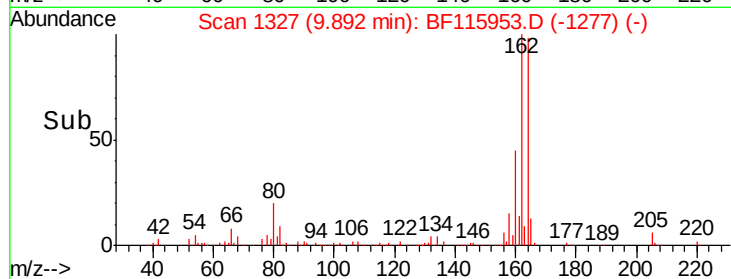
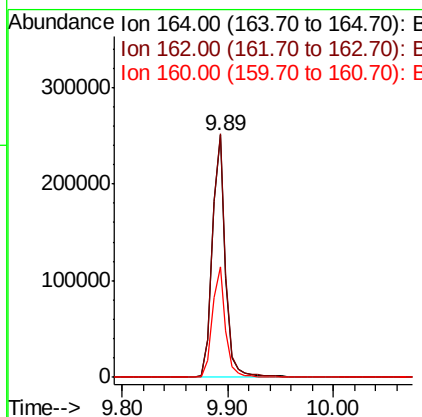
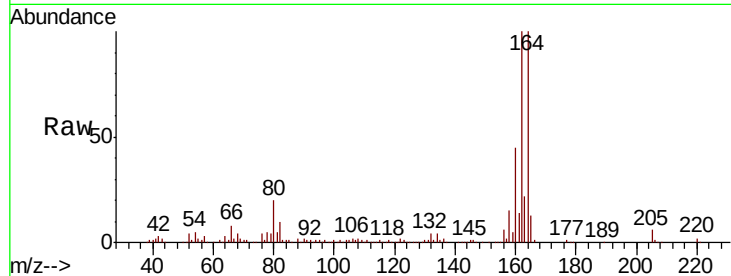
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	80.8	121.2	
160	45.5	36.2	54.4	

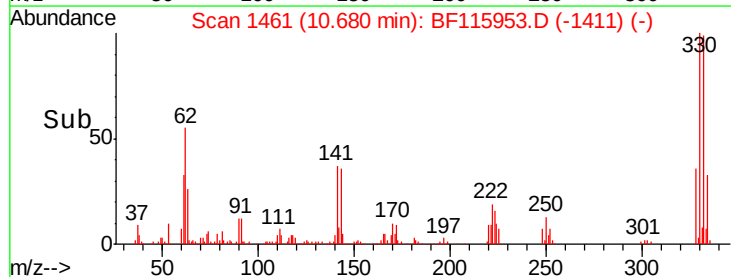
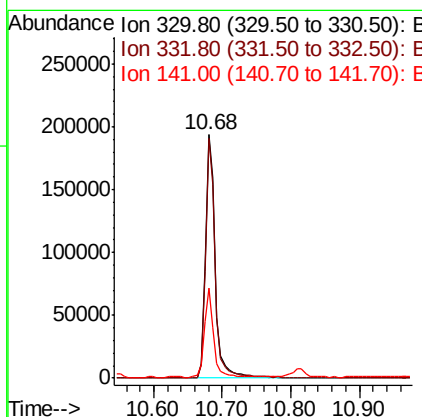
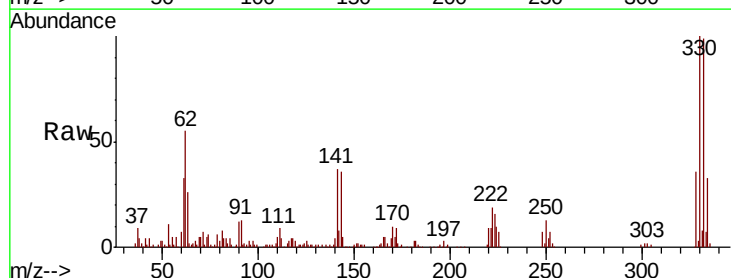
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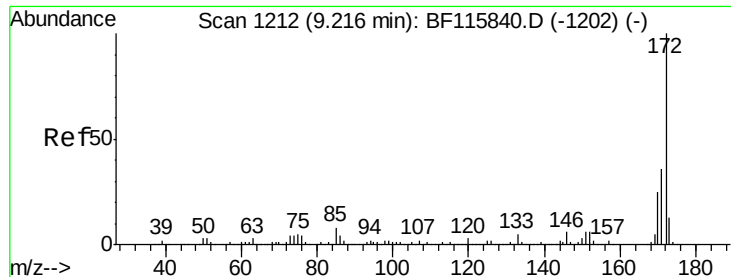
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#42
 2,4,6-Tribromophenol
 Concen: 93.255 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.7	116.5	
141	34.3	28.1	42.1	





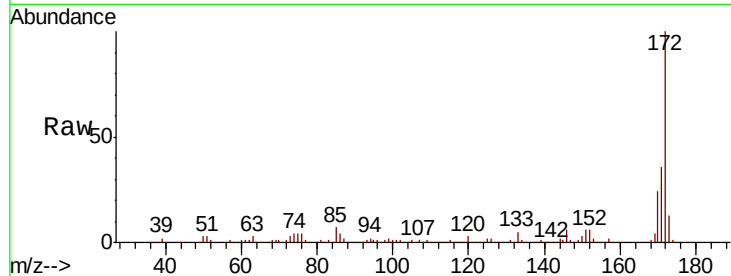
#45
2-Fluorobiphenyl
Concen: 71.534 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.1	43.7
170	24.3	20.1	30.1

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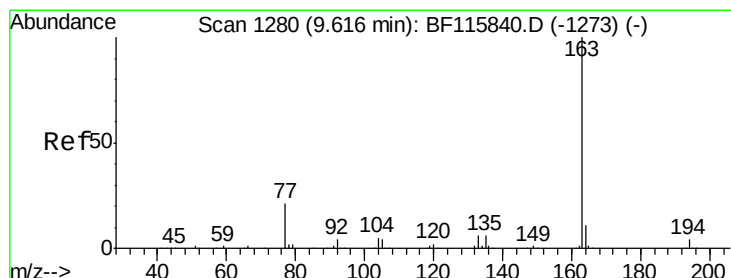
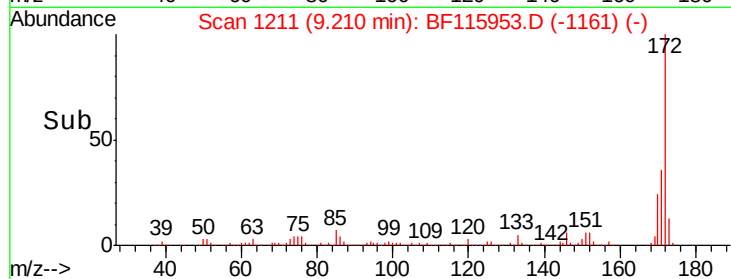
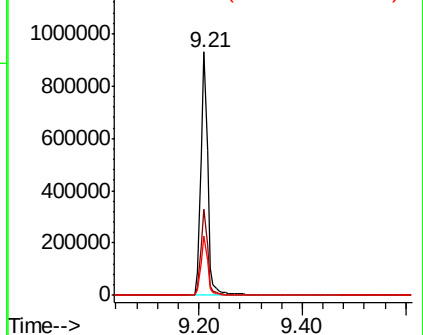


Abundance

Ion 172.00 (171.70 to 172.70): E

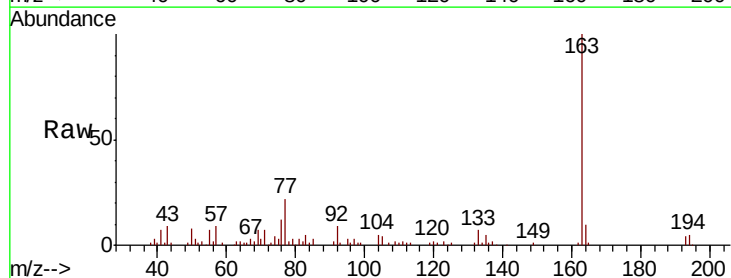
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.845 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.0	4.6
164	10.1	8.4	12.6

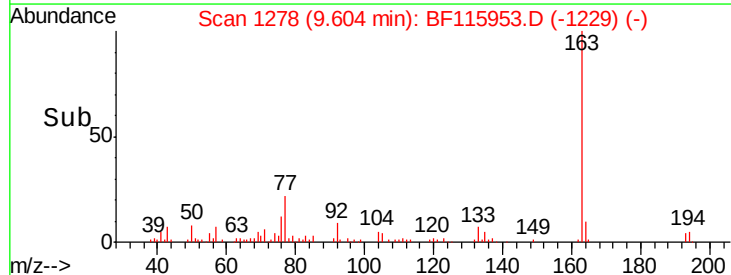
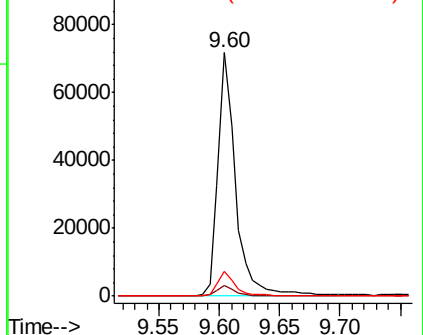


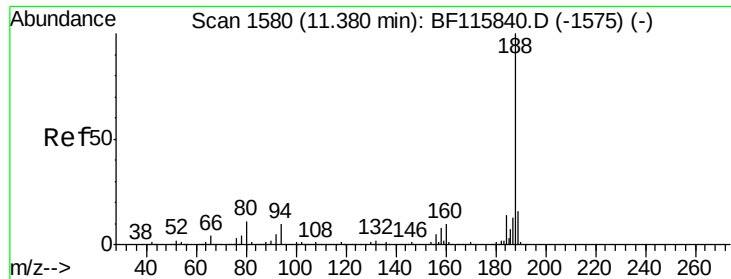
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





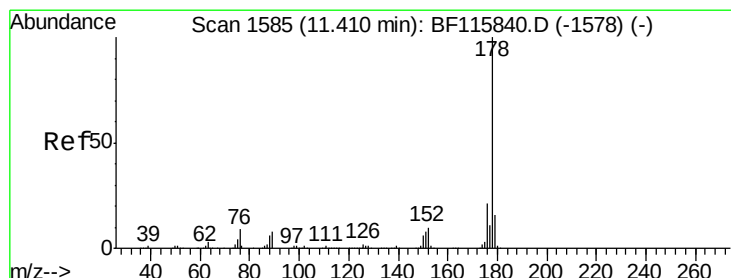
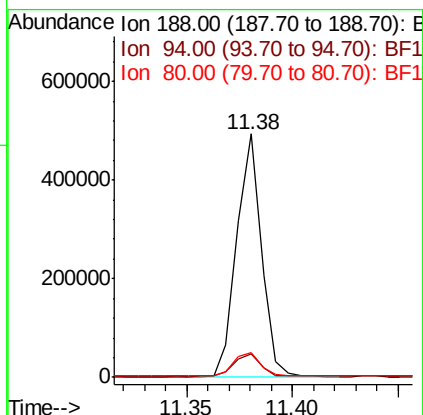
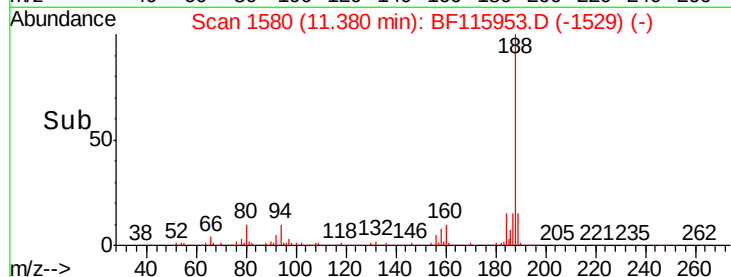
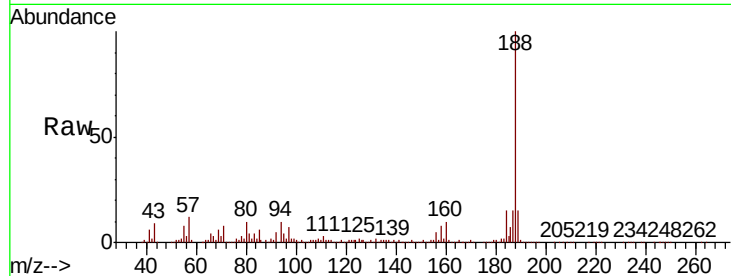
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	402240		
94	9.8		8.0	12.0
80	10.3		8.6	12.8

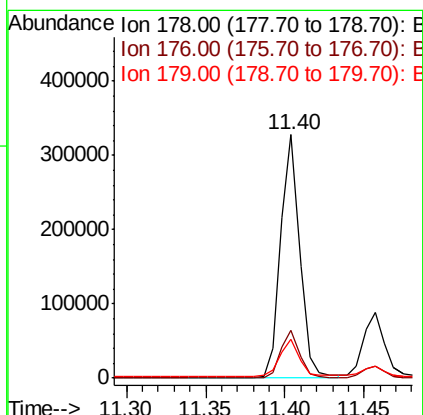
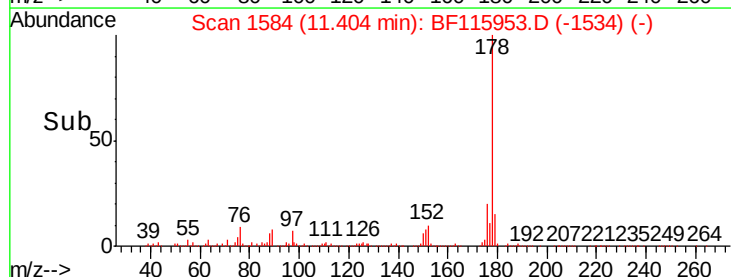
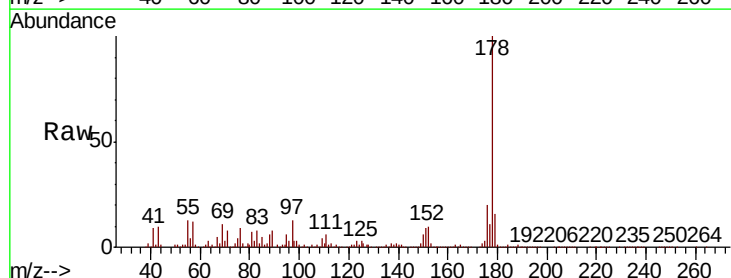
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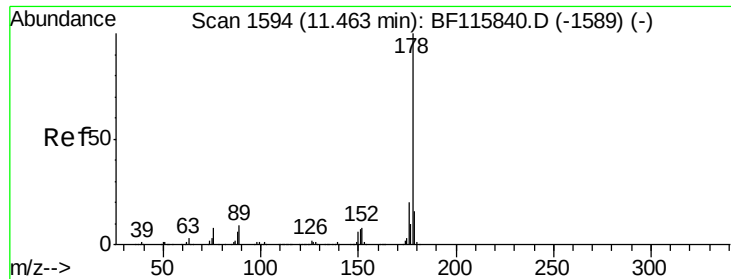
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#71
Phenanthrene
Concen: 13.302 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	273535		
176	19.8		16.5	24.7
179	15.8		12.6	18.8





#72

Anthracene

Concen: 3.762 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(30)

Tot Ion:178 Resp: 78293

Ion Ratio Lower Upper

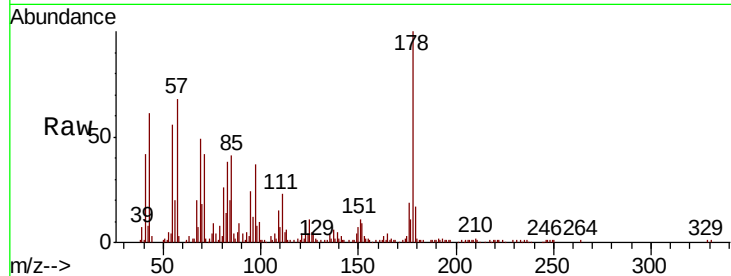
178 100

176 18.7 15.7 23.5

179 17.5 12.4 18.6

Manual Integrations
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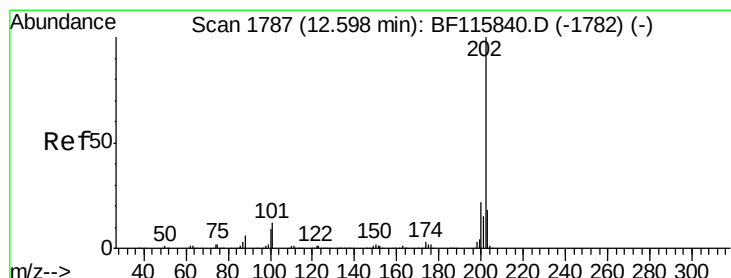
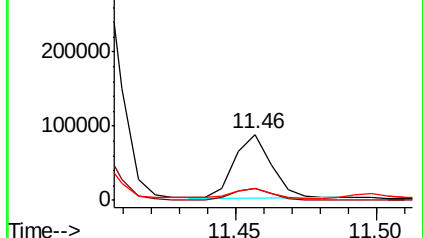
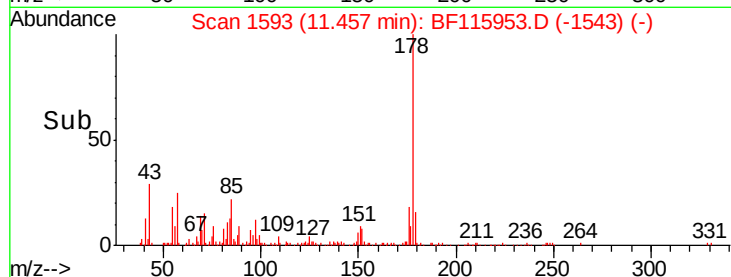
mohammad
8/8/2019 4:44:41 PM



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: 20.871 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

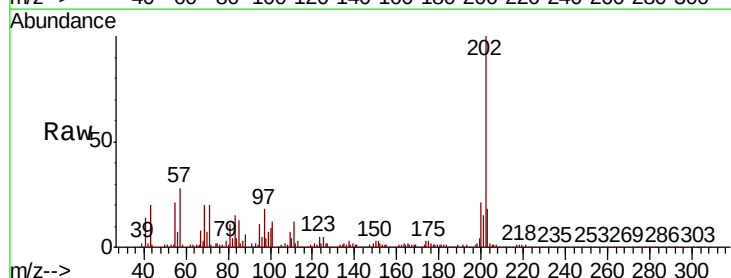
Tgt Ion:202 Resp: 449314

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.5

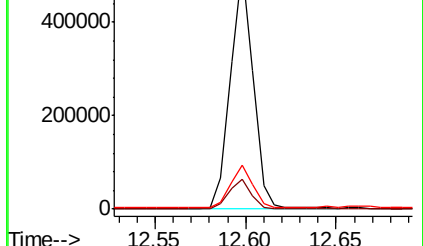
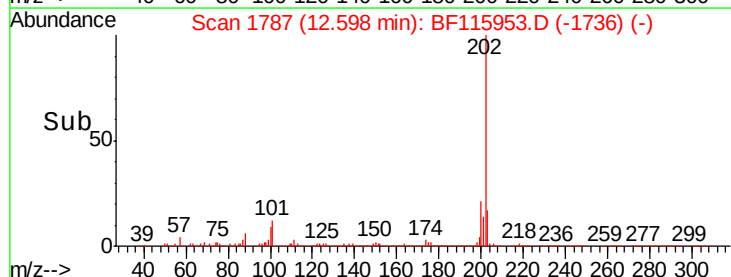
203 17.9 0.0 37.9

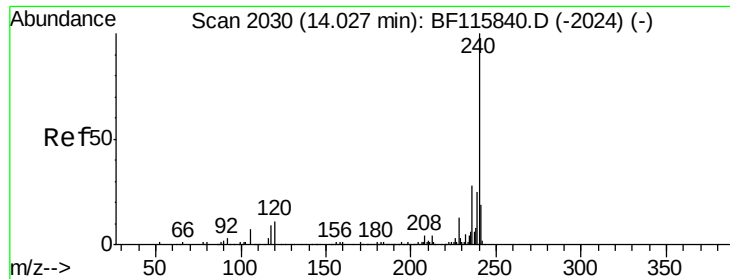


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





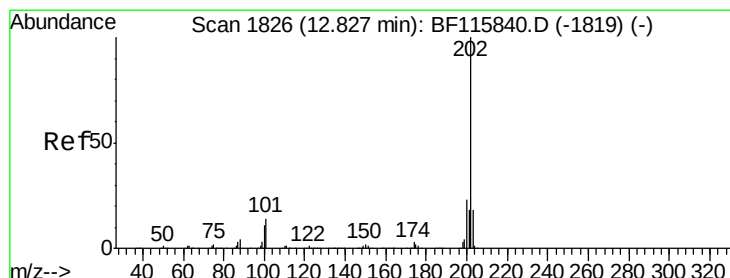
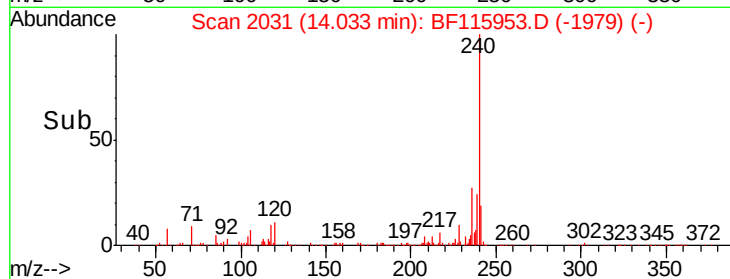
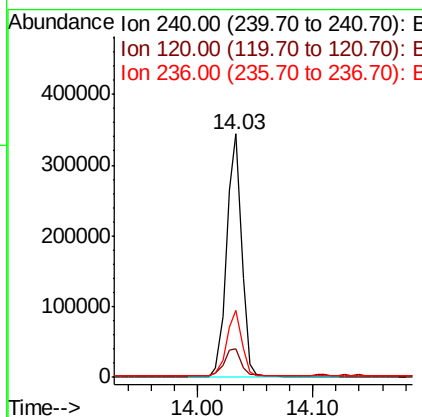
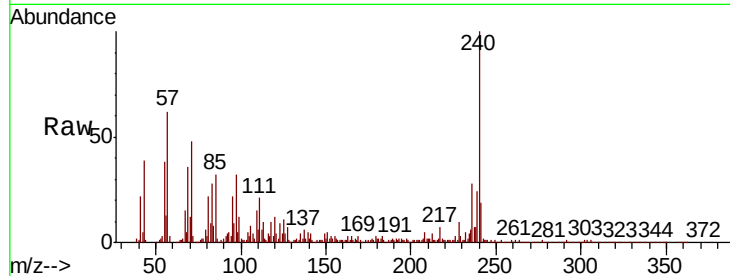
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.5	12.7
236	27.8	22.2	33.2

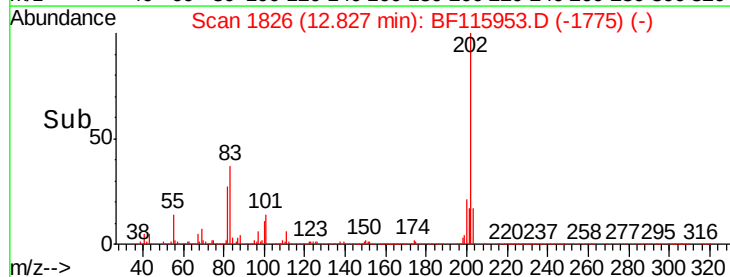
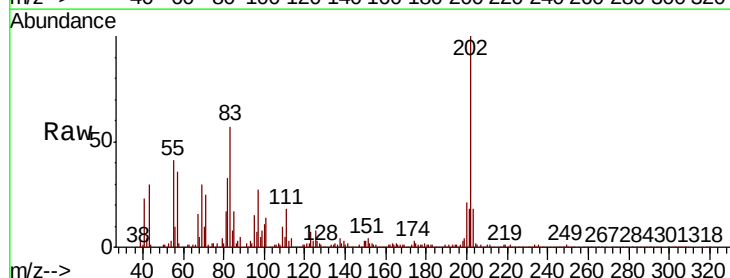
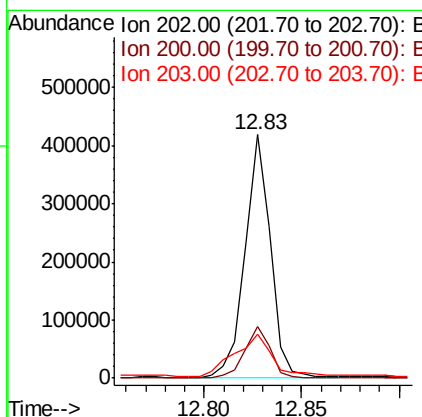
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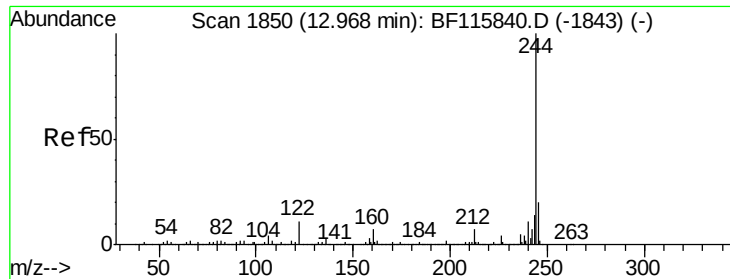
mohammad
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#78
Pyrene
Concen: 16.293 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.2	27.2
203	18.1	14.3	21.5





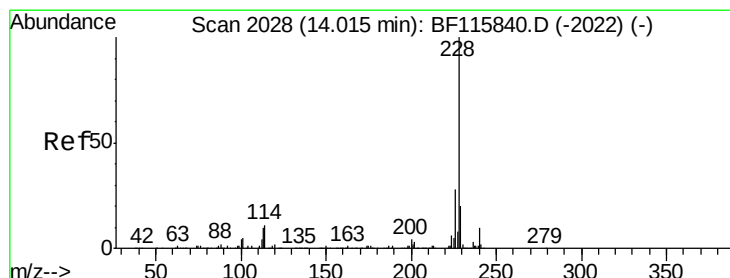
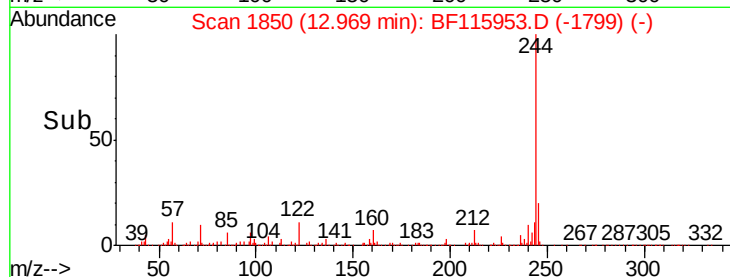
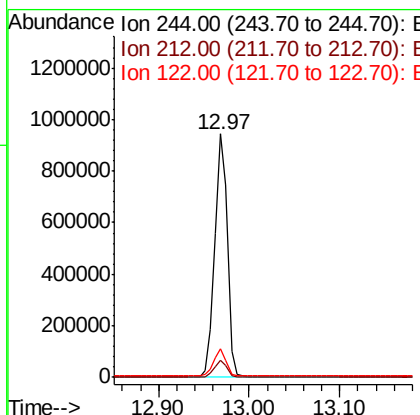
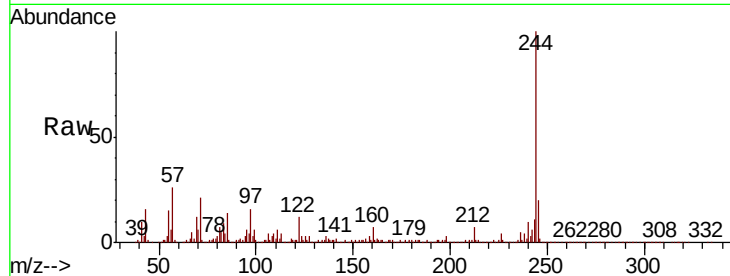
#79
 Terphenyl-d14
 Concen: 62.415 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
244	100	914605		
212	6.8		5.6	8.4
122	11.6		8.6	13.0

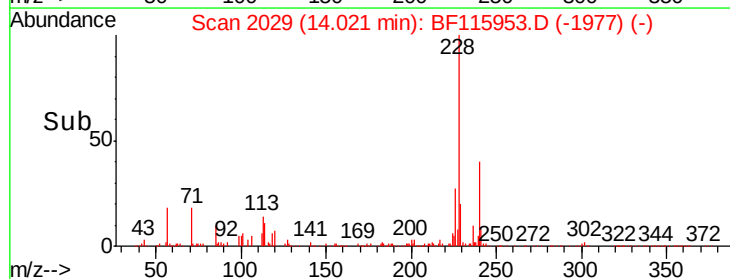
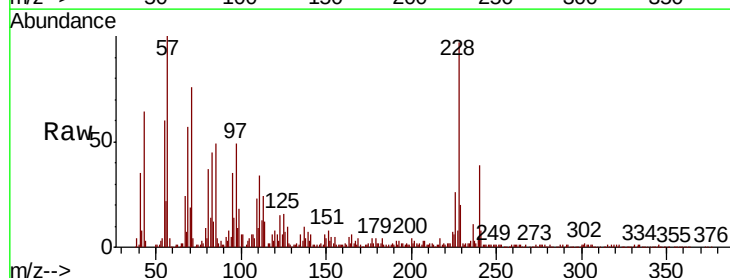
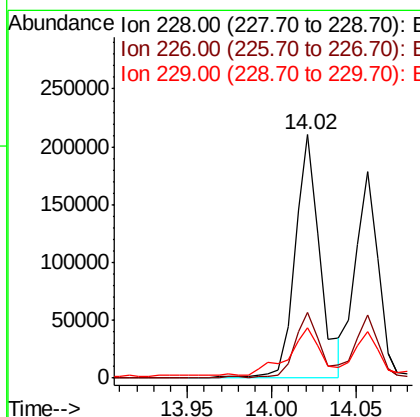
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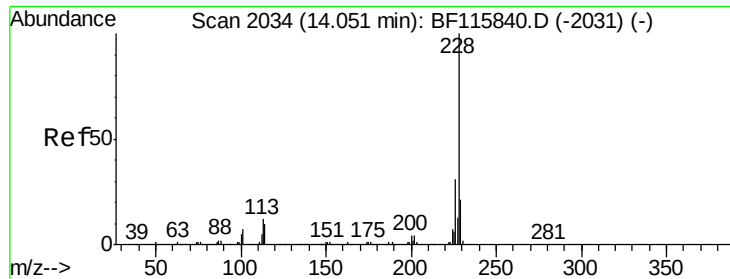
mohammad
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#81
 Benzo(a)anthracene
 Concen: 10.786 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	212866		
226	27.2		22.5	33.7
229	20.7		16.1	24.1





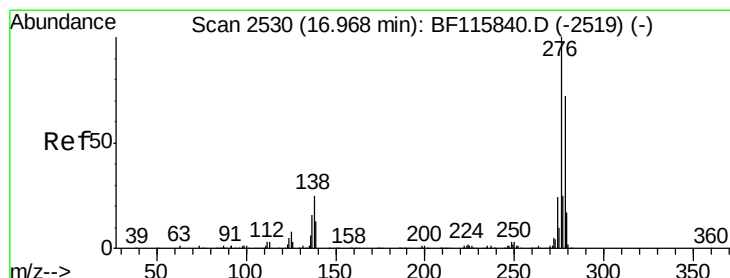
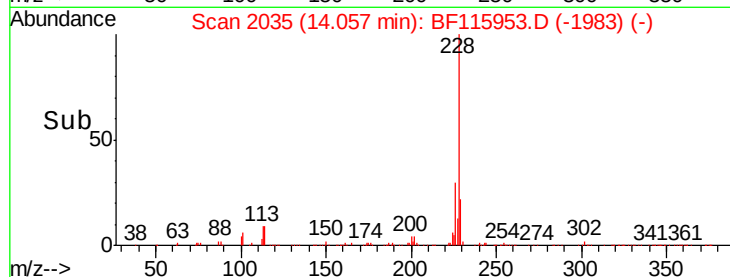
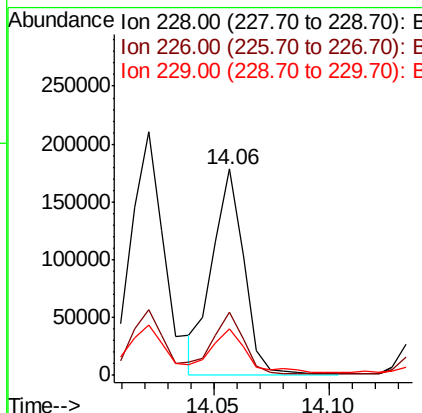
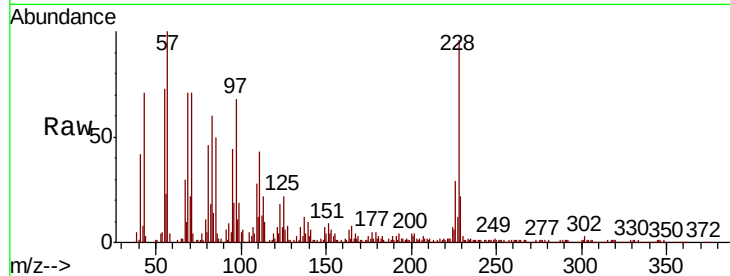
#83
Chrysene
Concen: 8.749 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	22.8	16.4	24.6

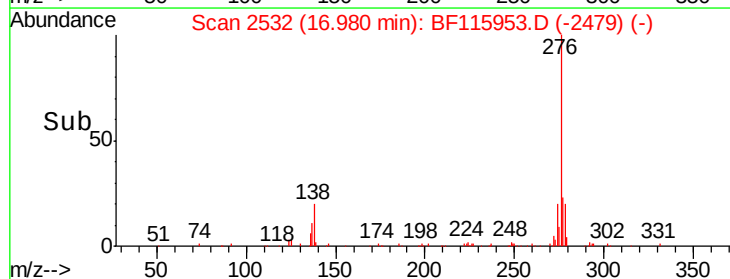
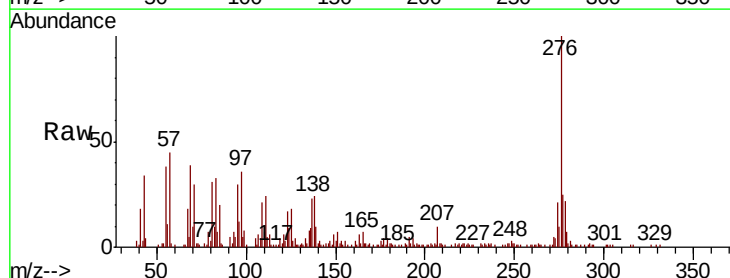
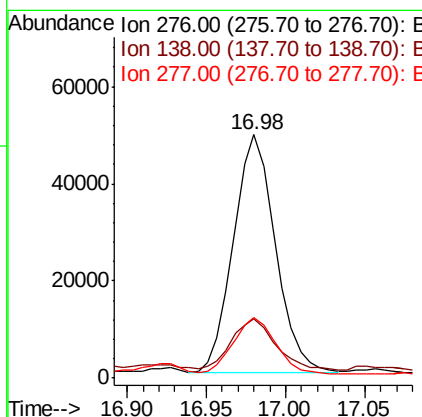
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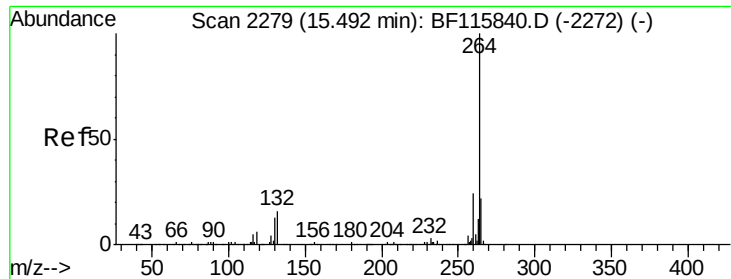
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.583 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.6	29.4
277	24.5	20.1	30.1





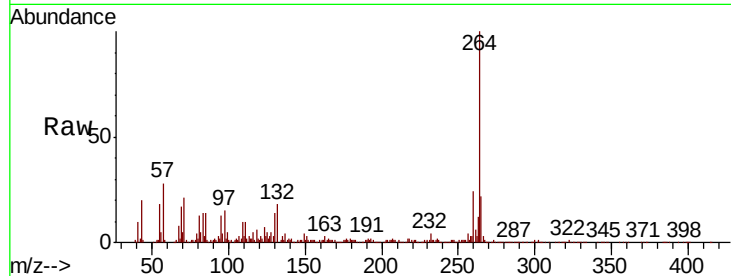
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.5	17.5	26.3

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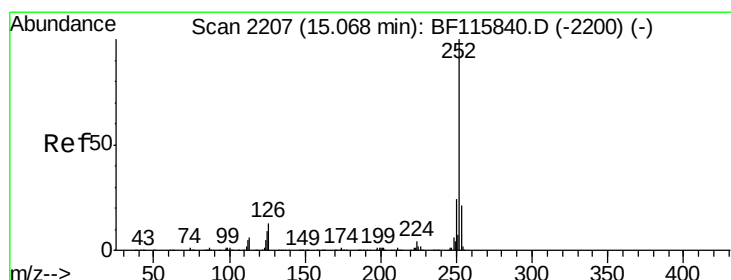
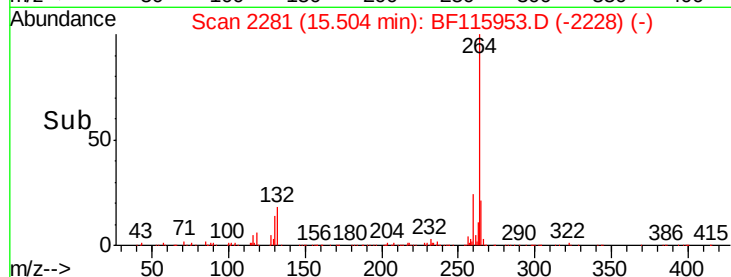
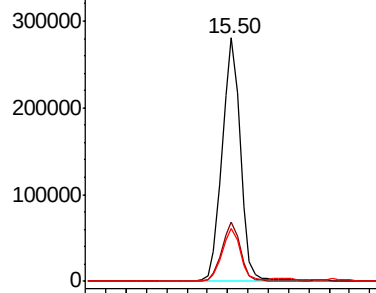


Abundance

Ion 264.00 (263.70 to 264.70): E

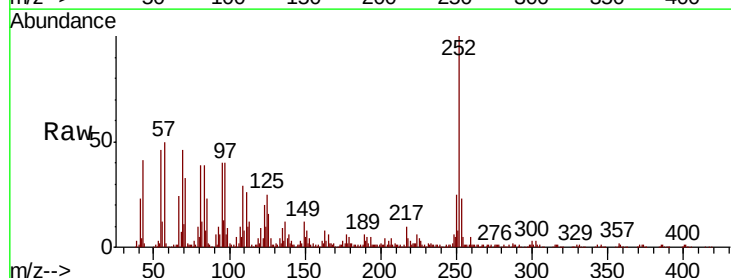
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 10.389 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	25.0	7.4	11.0

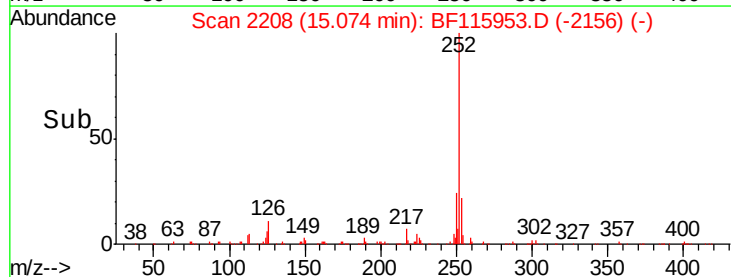
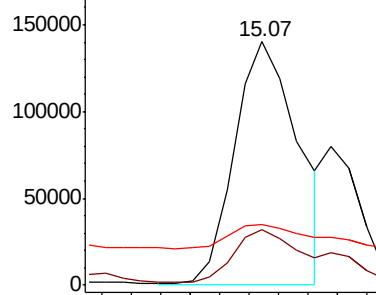


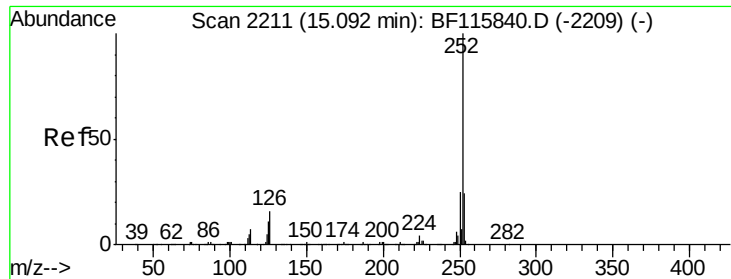
Abundance

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: 3.555 ng m

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Instrument :

BNA_F

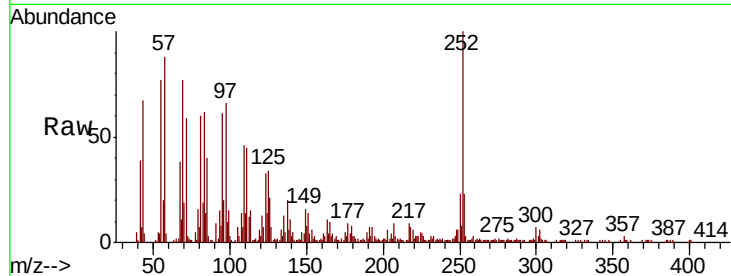
ClientSampleId :

1S-D1-D4-COMP-(30)

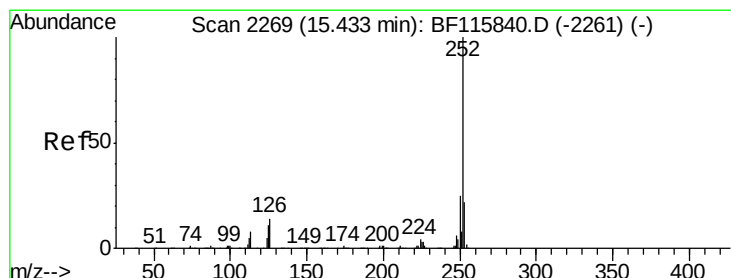
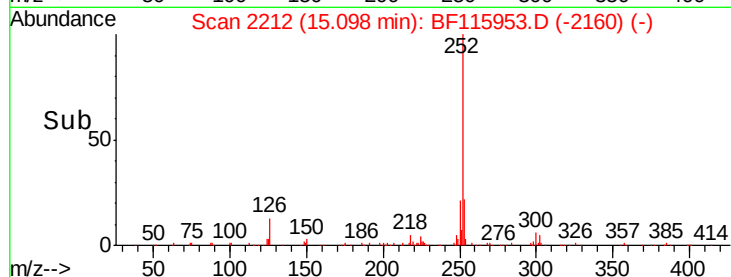
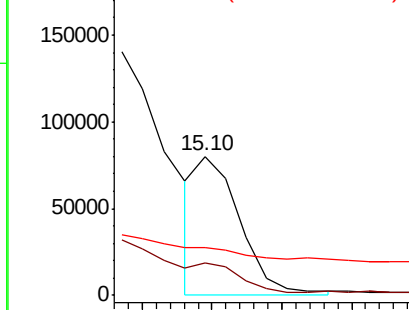
Tot Ion:	252	Resp:	69999
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.4
125	34.3	8.9	13.3#

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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



#90

Benzo(a)pyrene

Concen: 8.432 ng

RT: 15.44 min Scan# 2270

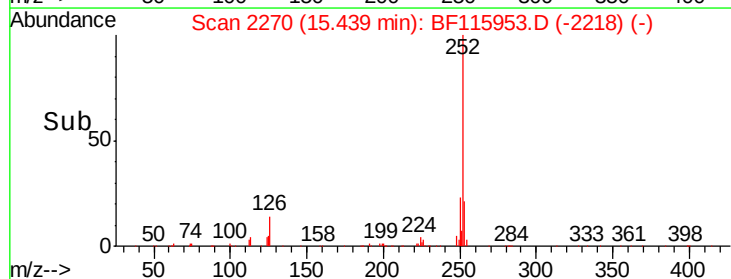
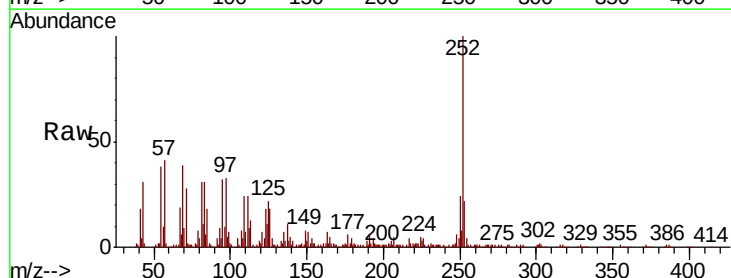
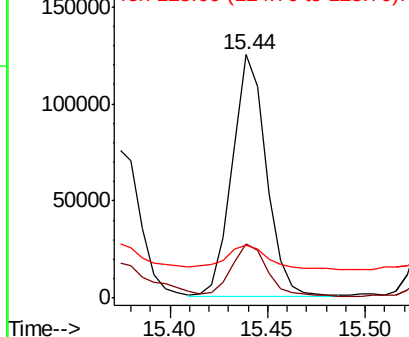
Delta R.T. 0.01 min

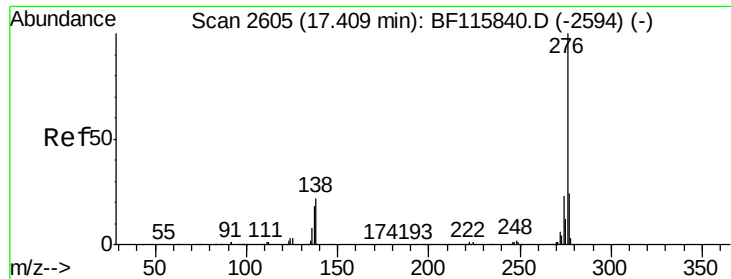
Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Tgt Ion:	252	Resp:	152393
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	22.0	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





#92
 Benzo(a,h,i)perylene
 Concen: 5.632 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(30)

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.7	19.5	29.3	
138	24.6	17.8	26.8	

Manual Integrations
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