

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113472.D
 Acq On : 1 Apr 2019 17:53
 Operator : JU/SJ
 Sample : K2056-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-8

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:49:27 PM

Quant Time: Apr 02 02:05:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	135486	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	527617	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	260126	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	514698	20.00	ng	0.00
76) Chrysene-d12	13.85	240	397688	20.00	ng	0.00
87) Perylene-d12	15.26	264	373557	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	784830	94.72	ng	0.00
7) Phenol-d6	6.36	99	1045435	99.73	ng	0.00
23) Nitrobenzene-d5	7.27	82	610068	68.63	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	320476	99.74	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1227421	71.07	ng	0.00
79) Terphenyl-d14	12.80	244	1238532	68.65	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.60	152	74515	2.755	ng	98
50) Dimethylphthalate	9.46	163	100476	5.212	ng	100
71) Phenanthrene	11.24	178	320956	12.557	ng	98
72) Anthracene	11.29	178	218398	8.412	ng	98
73) Carbazole	11.45	167	201769	8.145	ng	99
75) Fluoranthene	12.43	202	1982951	68.626	ng	98
78) Pyrene	12.66	202	1585063	57.516	ng	99
81) Benzo(a)anthracene	13.84	228	358831	15.763	ng	94
83) Chrysene	13.87	228	936512	40.503	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	145280	7.321	ng	96
88) Benzo(b)fluoranthene	14.86	252	993862m	42.829	ng	
89) Benzo(k)fluoranthene	14.89	252	204479m	10.034	ng	
90) Benzo(a)pyrene	15.20	252	156657	7.615	ng	# 94
92) Benzo(g,h,i)perylene	17.03	276	119336	6.654	ng	97

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

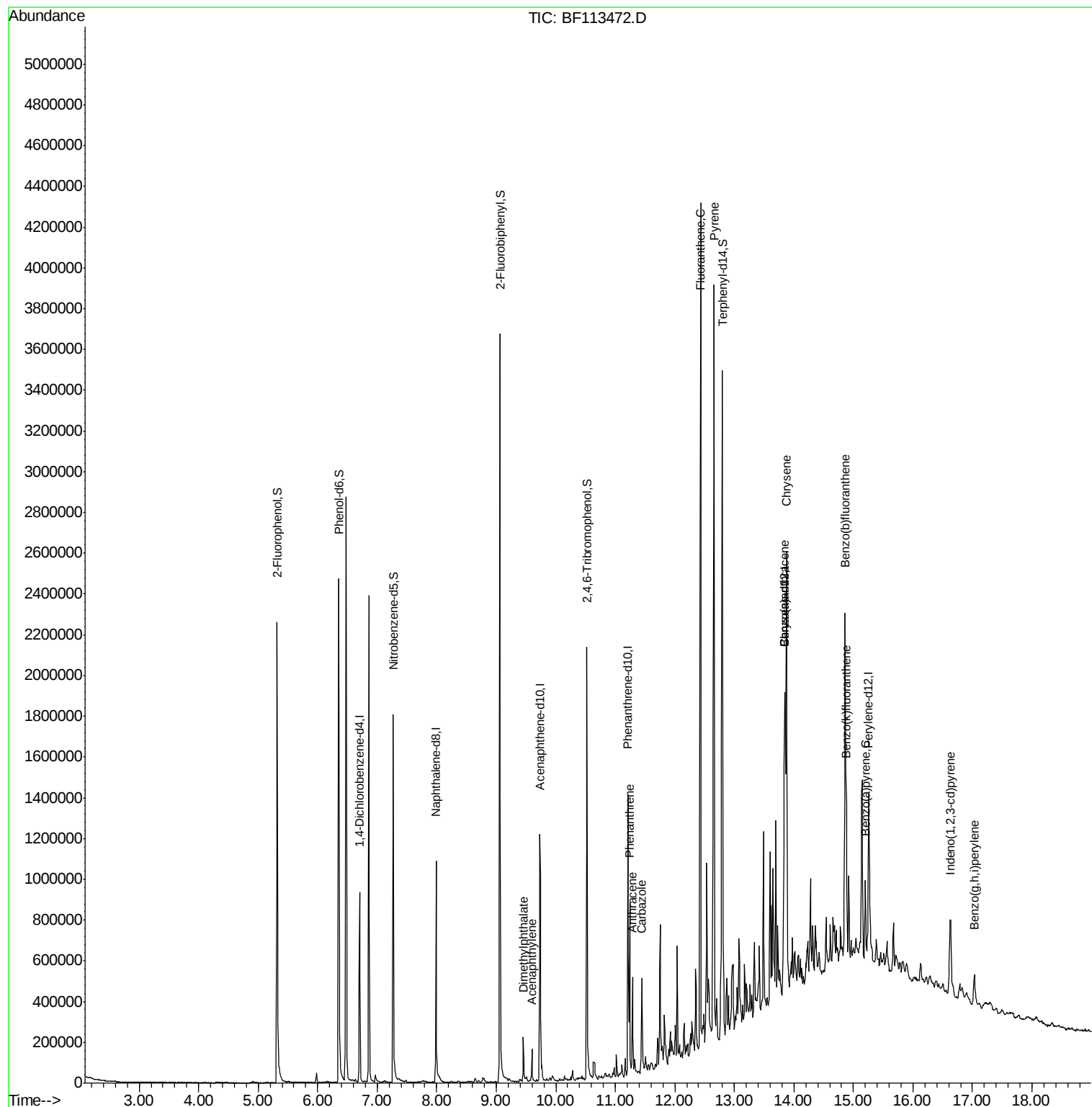
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
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#1

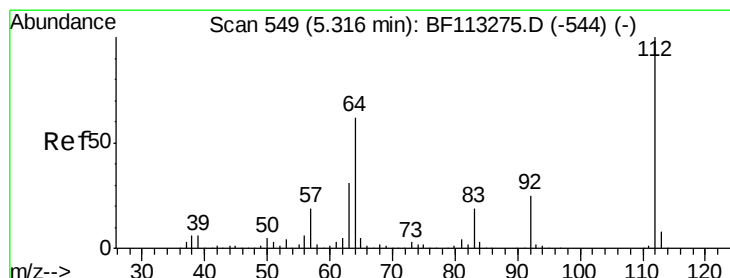
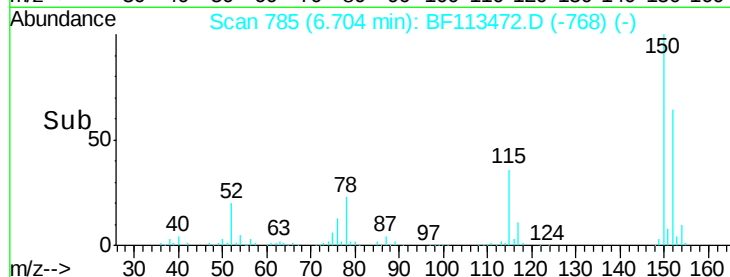
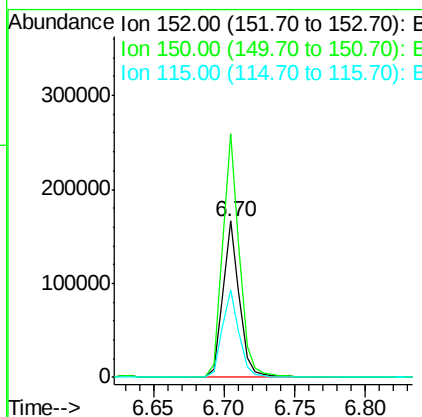
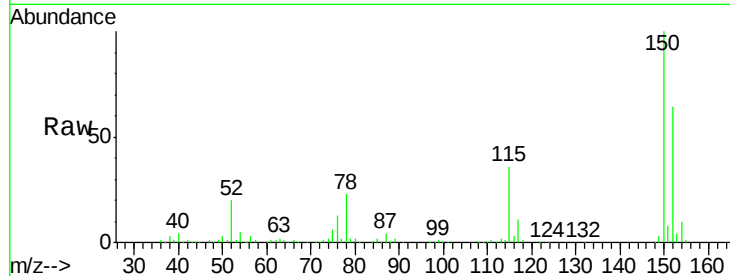
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113472.D
Acq: 1 Apr 2019 17:53

Instrument :
BNA_F
ClientSampleId :
CS-8

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	56.3	46.0	69.0

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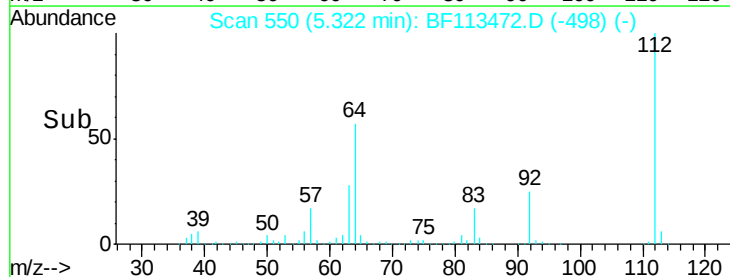
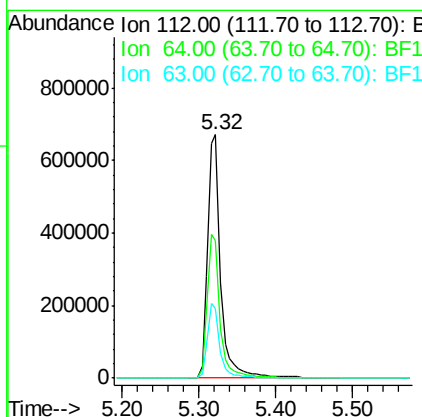
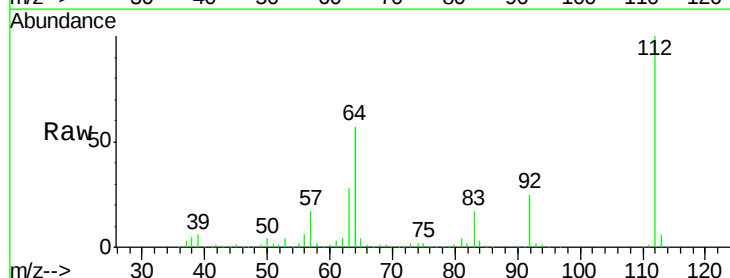
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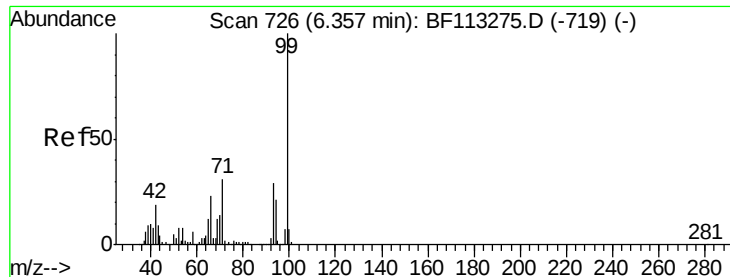


#5

2-Fluorophenol
Concen: 94.718 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113472.D
Acq: 1 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	49.2	73.8
63	28.5	24.9	37.3





#7

Phenol-d6

Concen: 99.734 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

ClientSampleId :

CS-8

Tgt Ion: 99 Resp: 1045435

Ion Ratio Lower Upper

99 100

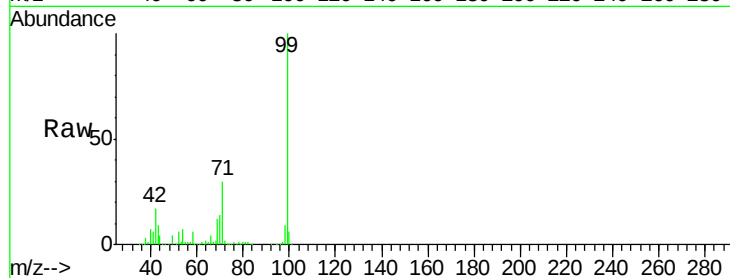
42 17.2 14.8 22.2

71 30.0 24.9 37.3

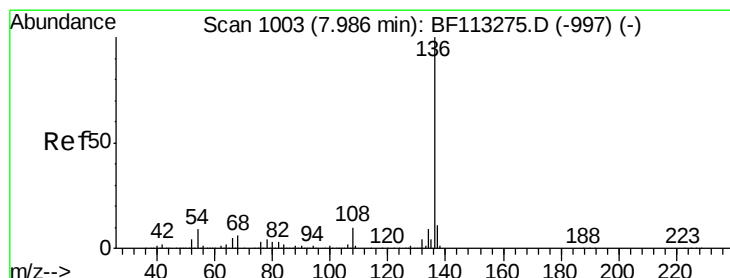
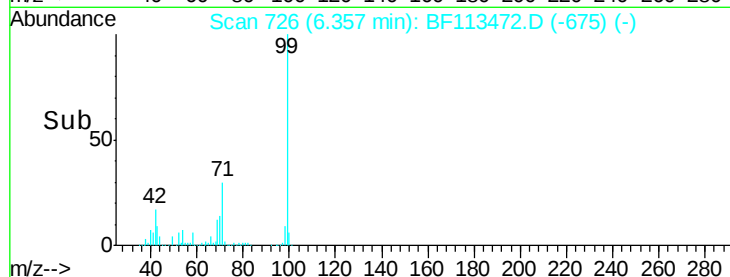
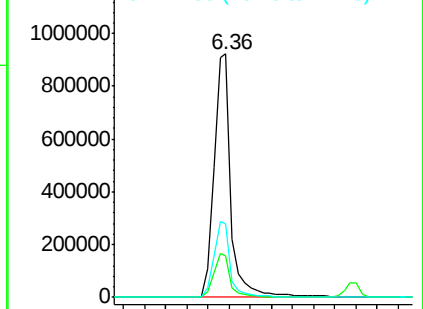
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Tgt Ion: 136 Resp: 527617

Ion Ratio Lower Upper

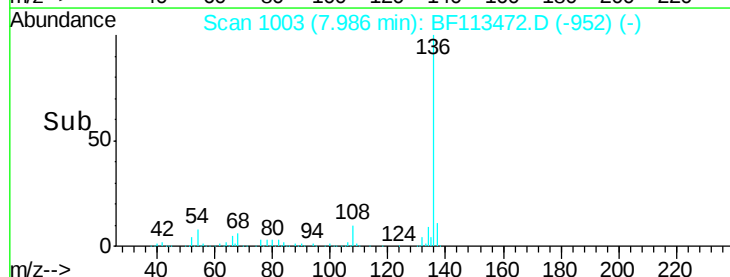
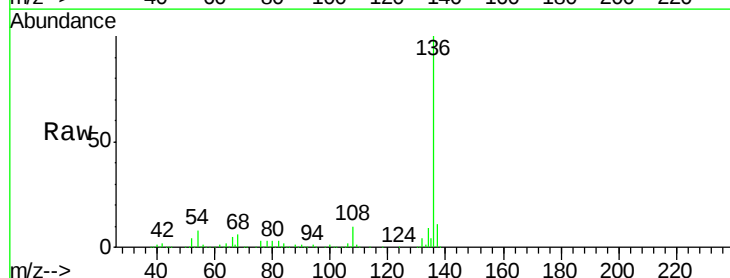
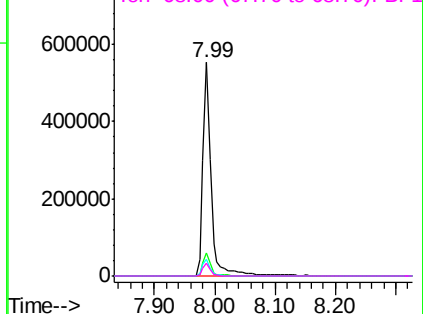
136 100

137 10.9 8.9 13.3

54 8.1 7.0 10.6

68 6.2 4.8 7.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





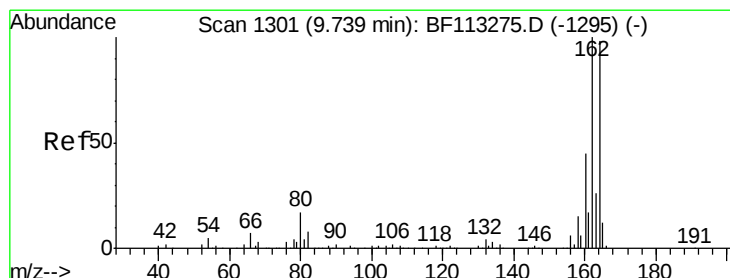
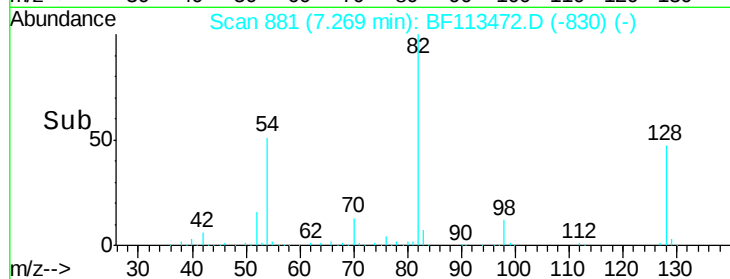
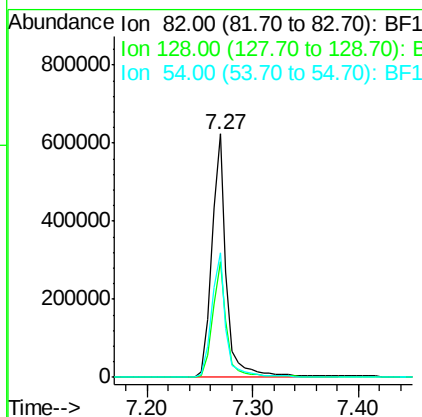
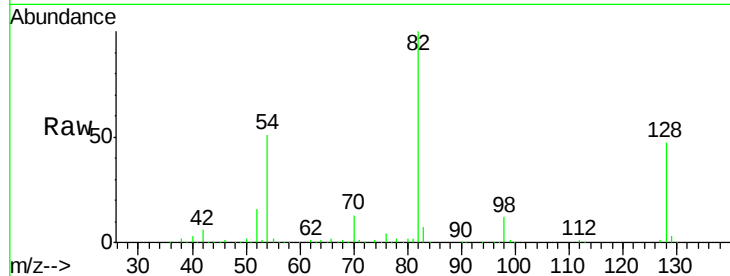
#23
 Nitrobenzene-d5
 Concen: 68.629 ng
 RT: 7.27 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Instrument :
 BNA_F
 ClientSampled :
 CS-8

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	610068		
128	47.3	36.5	54.7	
54	51.0	42.2	63.2	

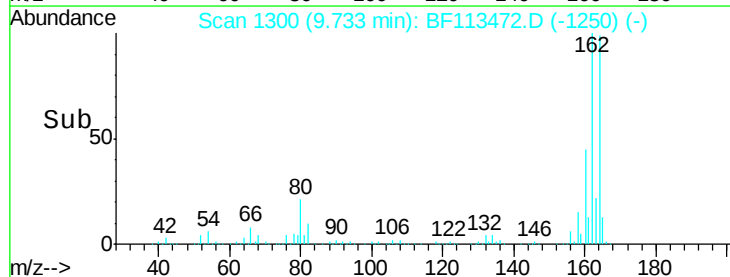
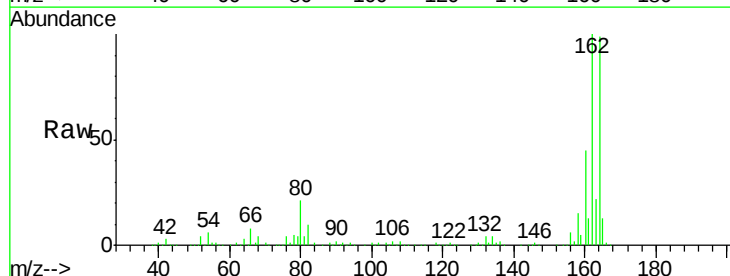
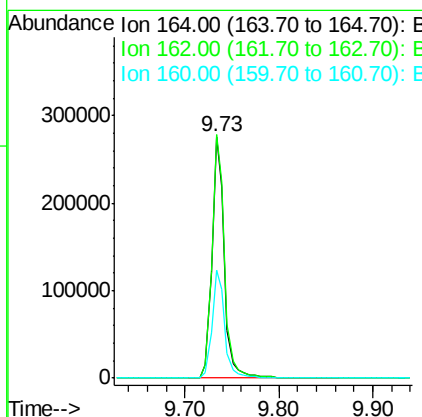
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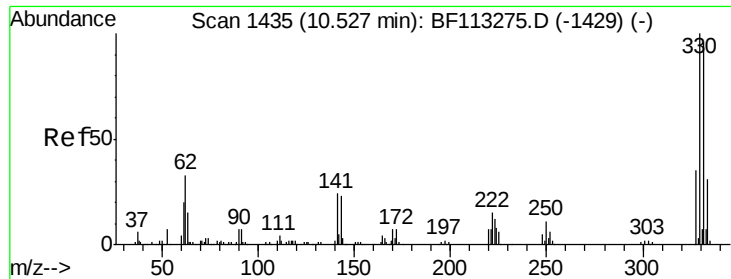
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	260126		
162	100.9	81.8	122.6	
160	44.9	36.4	54.6	





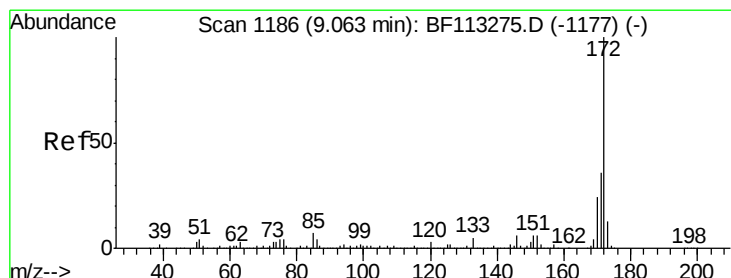
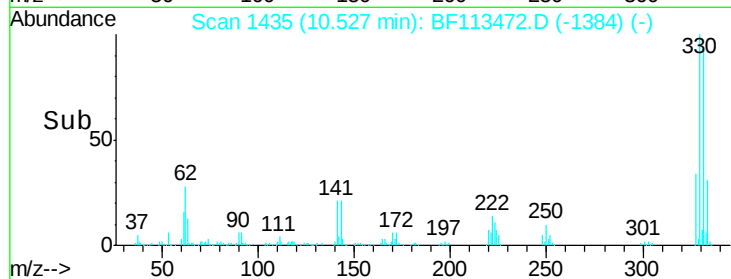
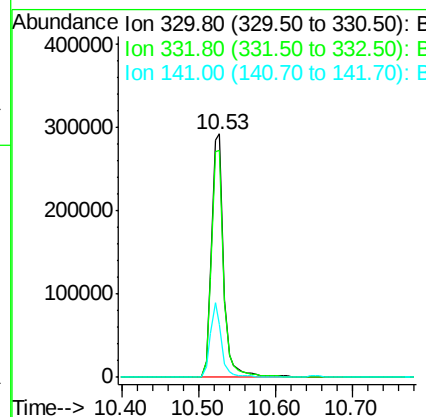
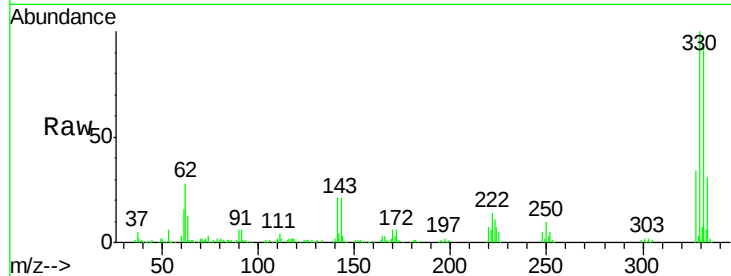
#42
 2,4,6-Tribromophenol
 Concen: 99.739 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 CS-8

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	320476		
332	94.6	77.8	116.6	
141	28.3	22.7	34.1	

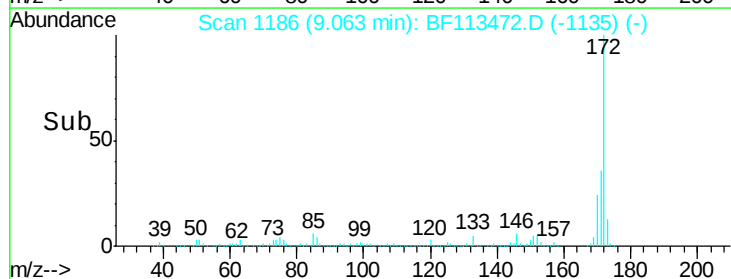
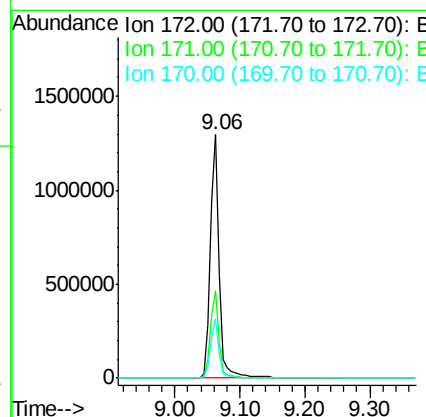
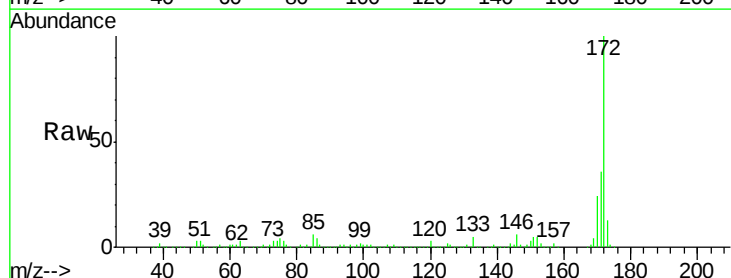
Manual Integrations
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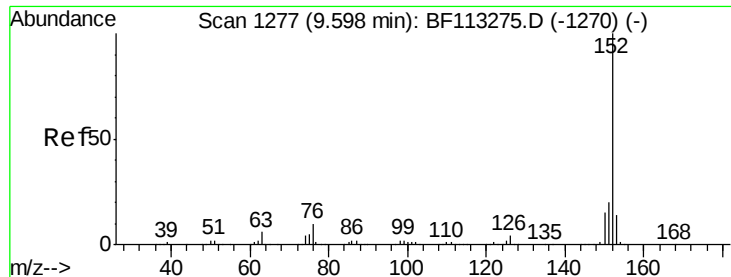
Sohil
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#45
 2-Fluorobiphenyl
 Concen: 71.066 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1227421		
171	35.9	29.0	43.6	
170	24.1	19.5	29.3	





#49

Acenaphthylene

Concen: 2.755 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

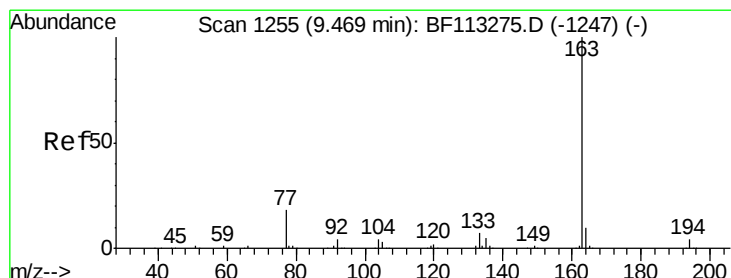
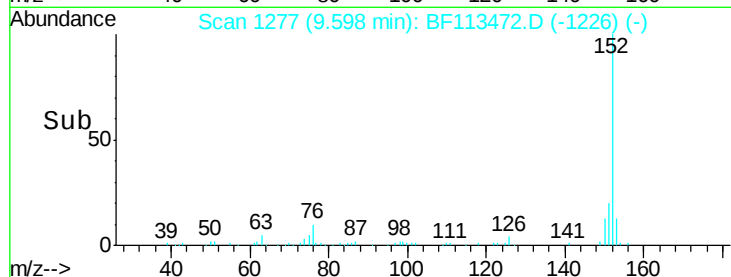
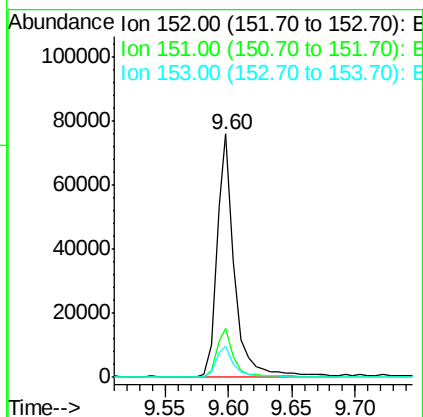
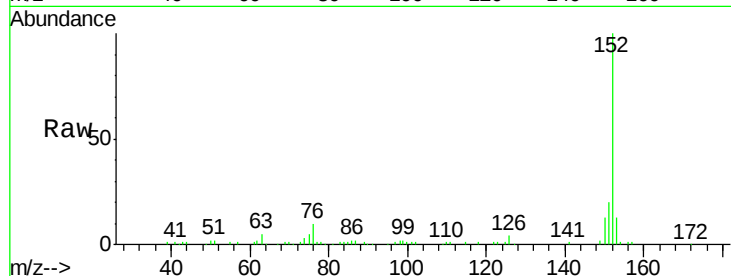
ClientSampled :

CS-8

Tgt Ion:	152	Resp:	74515
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.2	24.4
153	12.7	11.0	16.6

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#50

Dimethylphthalate

Concen: 5.212 ng

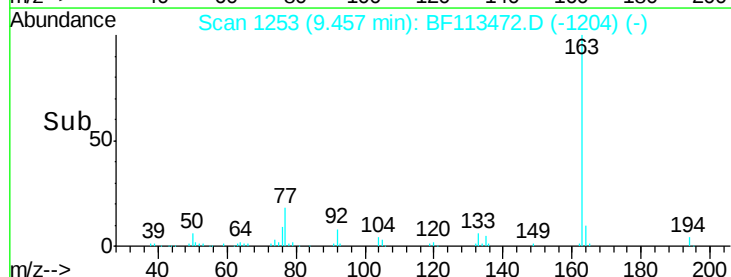
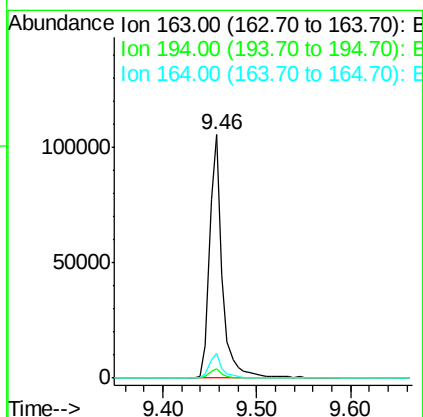
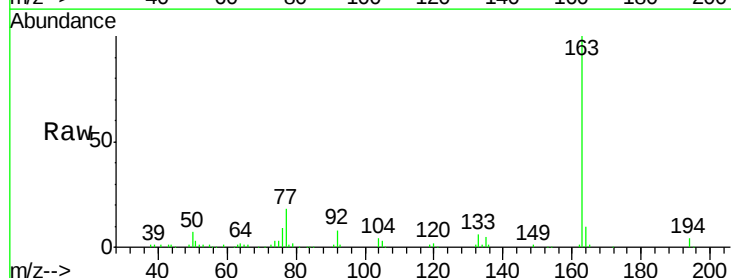
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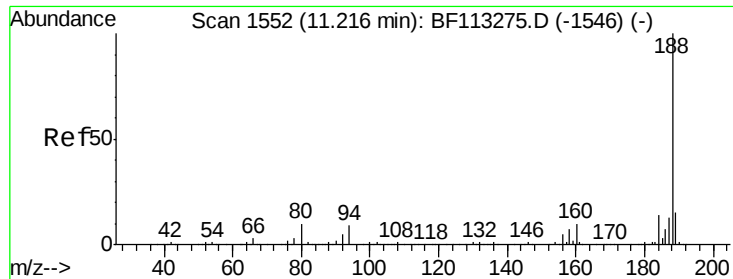
Delta R.T. -0.01 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Tgt Ion:	163	Resp:	100476
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.1	8.1	12.1





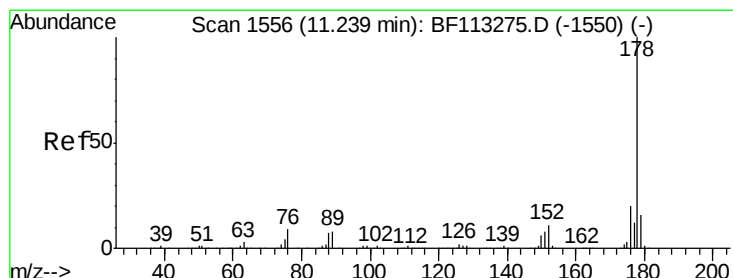
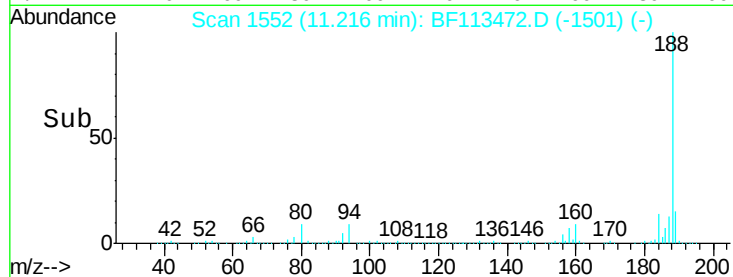
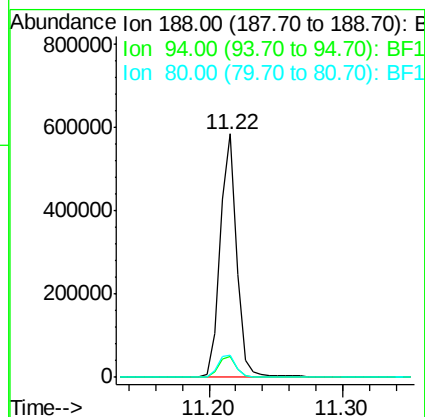
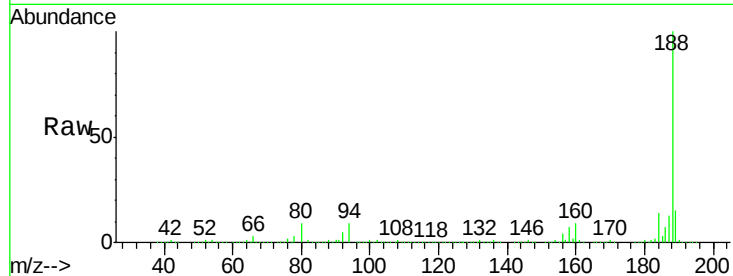
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Instrument :
 BNA_F
 ClientSampled :
 CS-8

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	7.0	10.6
80	9.2	7.7	11.5

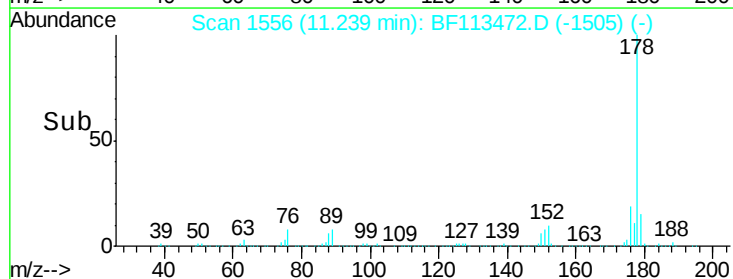
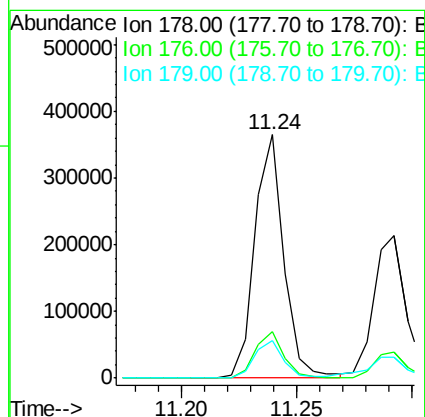
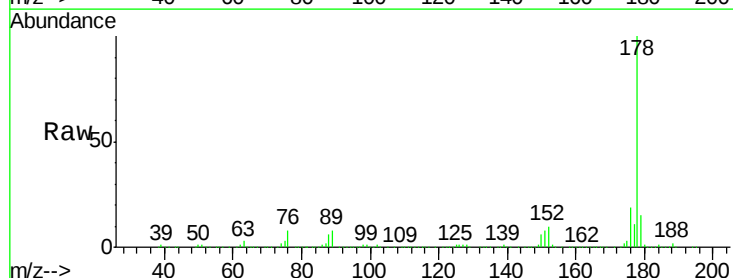
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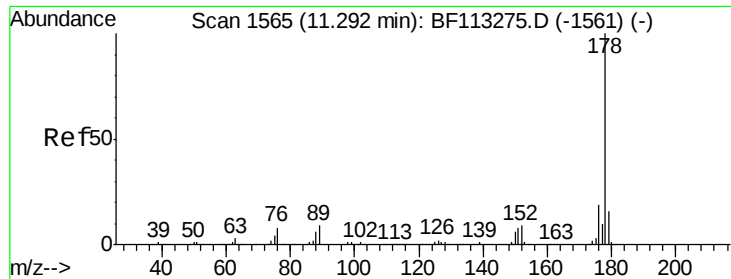
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#71
 Phenanthrene
 Concen: 12.557 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	16.2	24.2
179	15.3	12.7	19.1





#72

Anthracene

Concen: 8.412 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

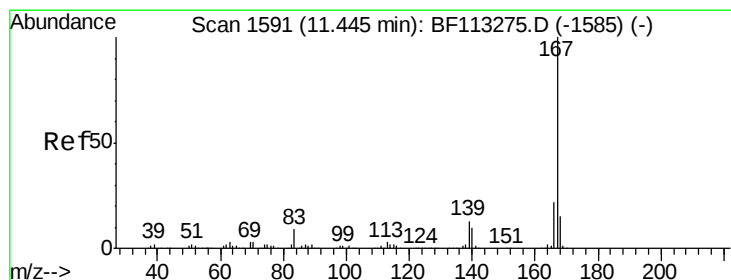
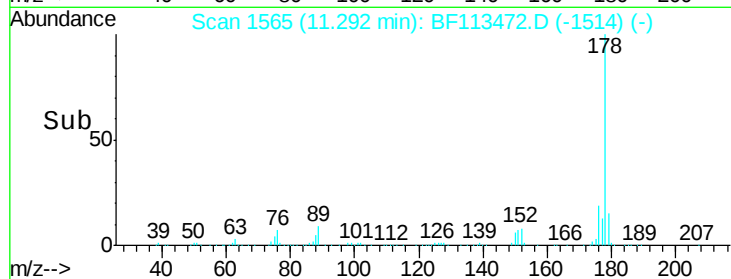
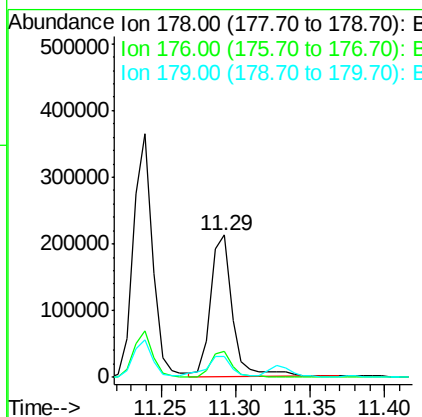
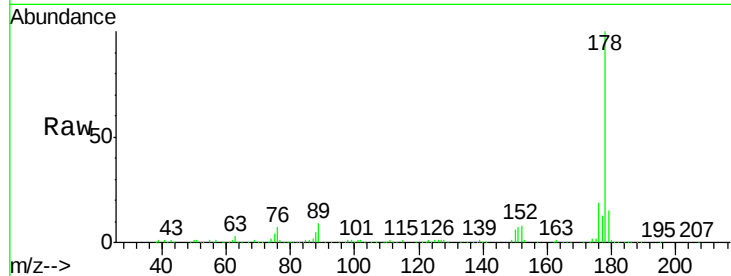
ClientSampled :

CS-8

Tgt Ion:	178	Resp:	218398
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.4	23.2
179	15.0	12.8	19.2

Manual Integrations
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#73

Carbazole

Concen: 8.145 ng

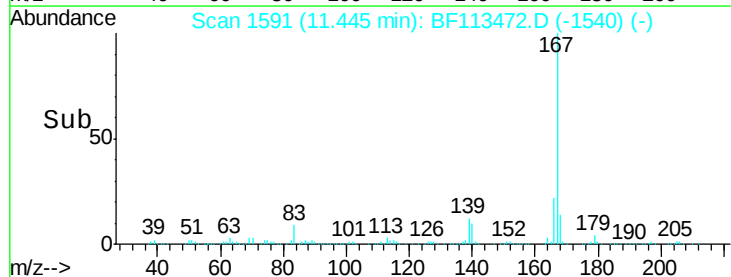
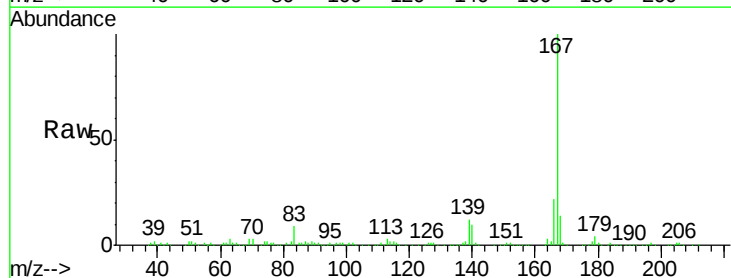
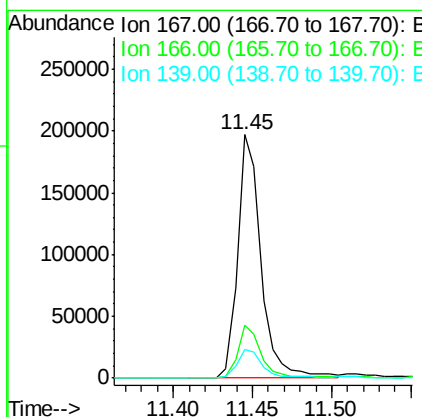
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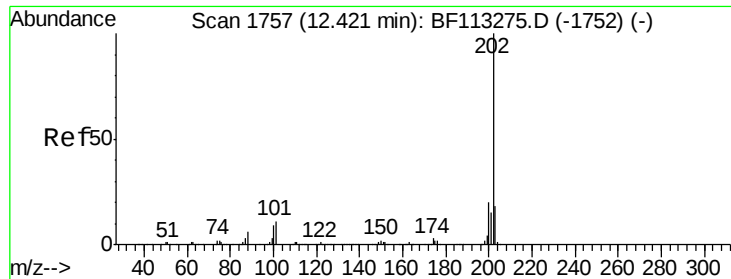
Delta R.T. 0.00 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Tgt Ion:	167	Resp:	201769
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.4	26.0
139	12.0	10.4	15.6





#75

Fluoranthene

Concen: 68.626 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

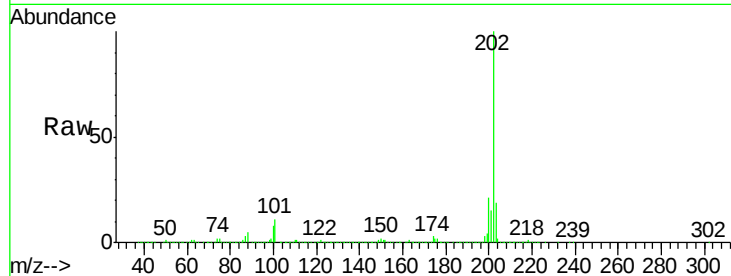
ClientSampled :

CS-8

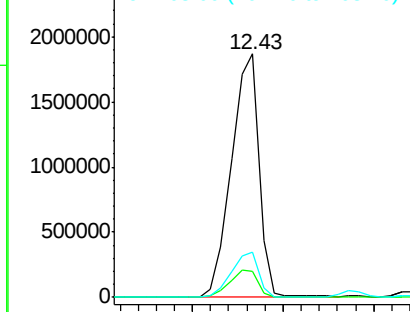
Tgt	Ion	202	Resp	1982951
Ion	Ratio	Lower	Upper	
202	100			
101	10.7	0.0	31.4	
203	18.6	0.0	38.0	

Manual Integrations
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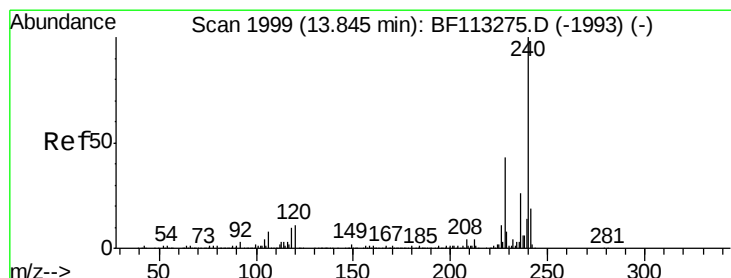
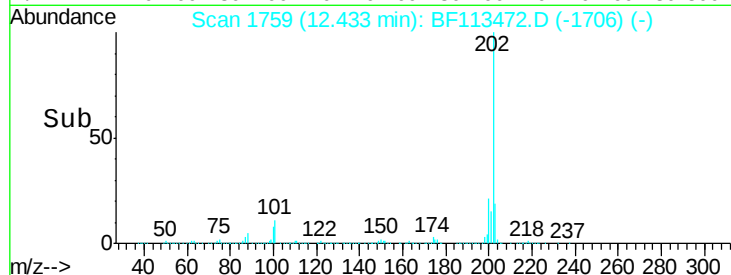
Sohil
4/2/2019 3:49:27 PM



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



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

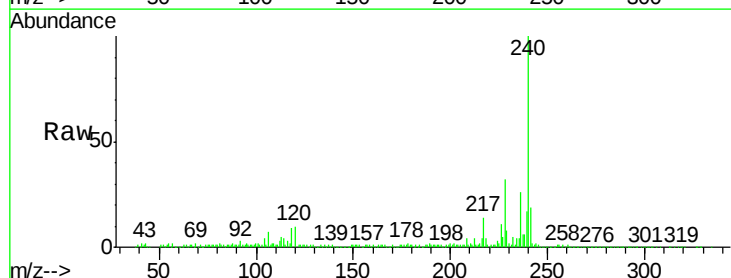
RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

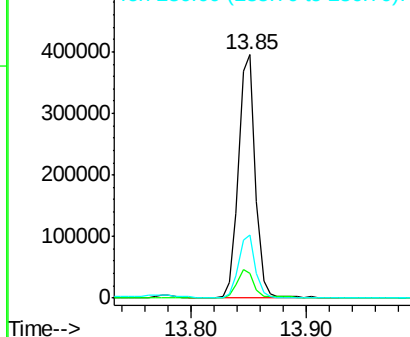
Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

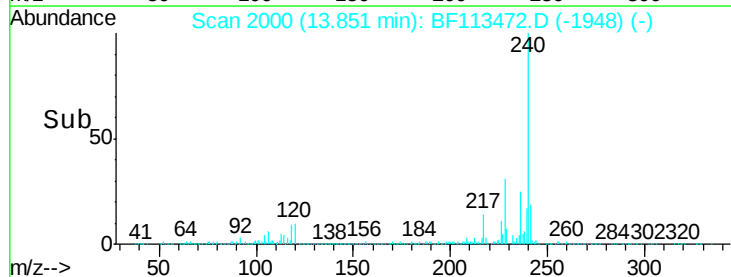
Tgt	Ion	240	Resp	397688
Ion	Ratio	Lower	Upper	
240	100			
120	10.0	8.8	13.2	
236	25.8	20.9	31.3	

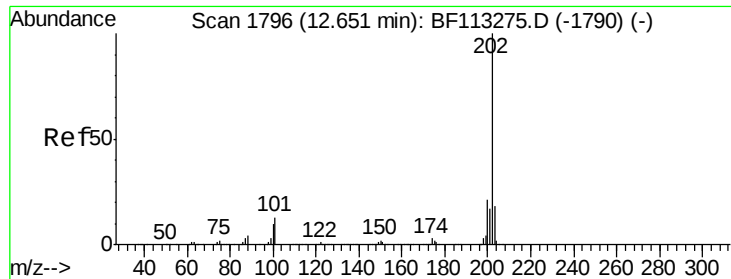


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





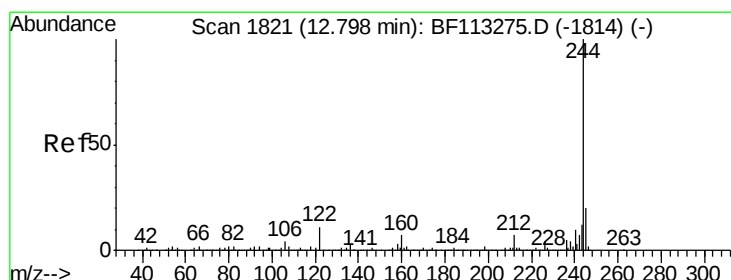
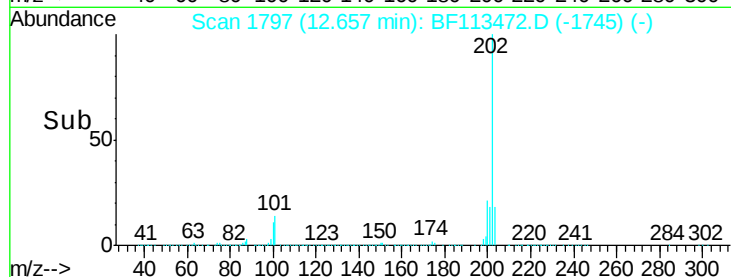
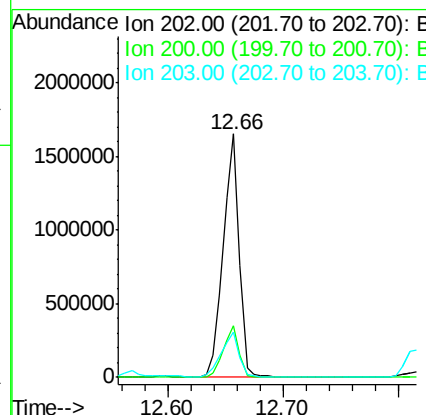
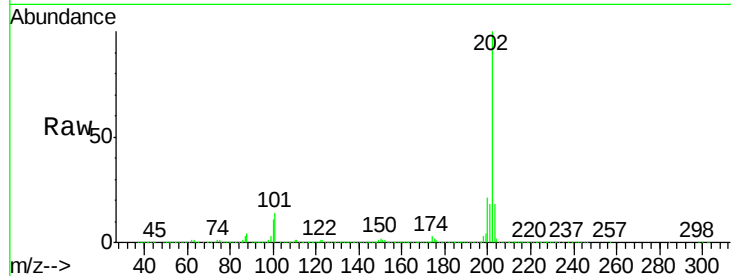
#78
 Pyrene
 Concen: 57.516 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. 0.01 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 CS-8

Tgt Ion:202 Resp: 1585063
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.8 25.2
 203 18.5 14.4 21.6

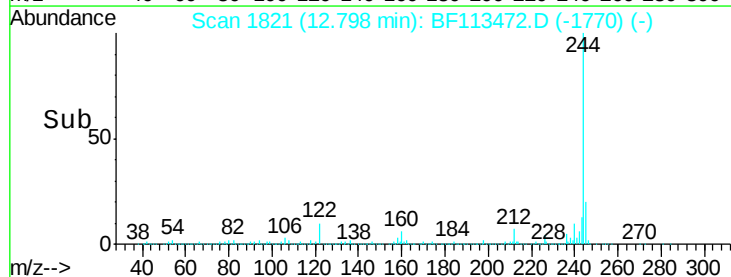
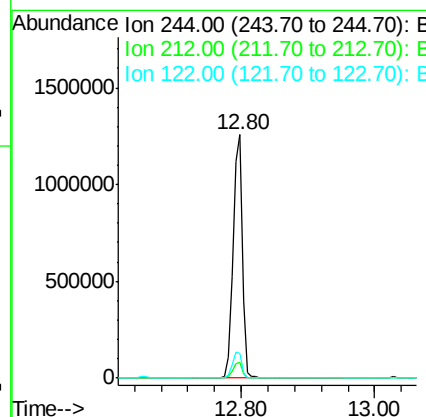
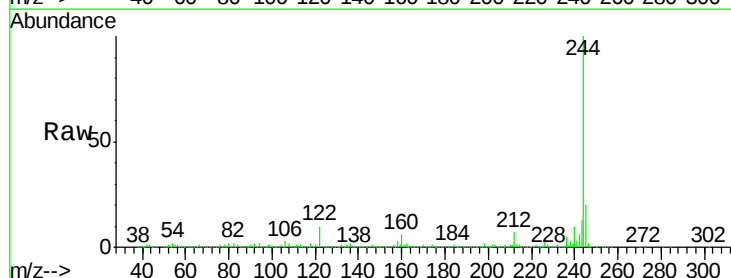
Manual Integrations
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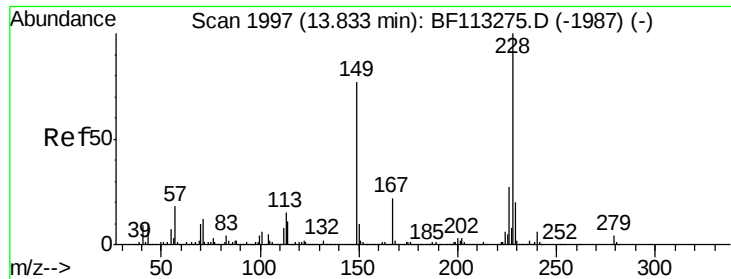
Sohil
 4/2/2019 3:49:27 PM



#79
 Terphenyl-d14
 Concen: 68.645 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Tgt Ion:244 Resp: 1238532
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 10.1 8.6 13.0





#81

Benzo(a)anthracene

Concen: 15.763 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

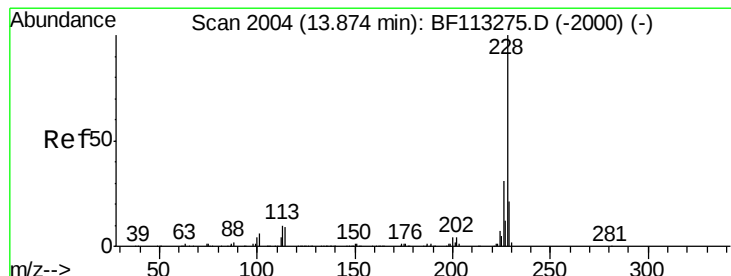
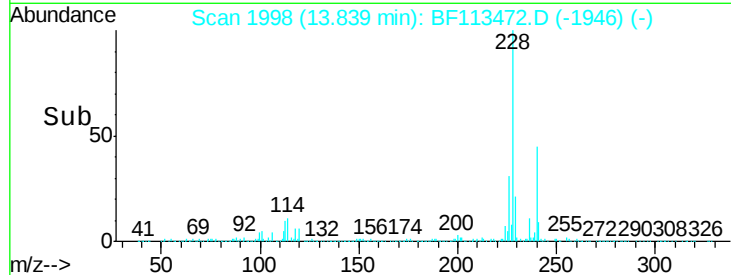
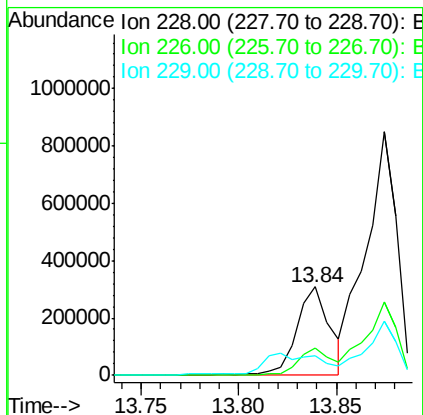
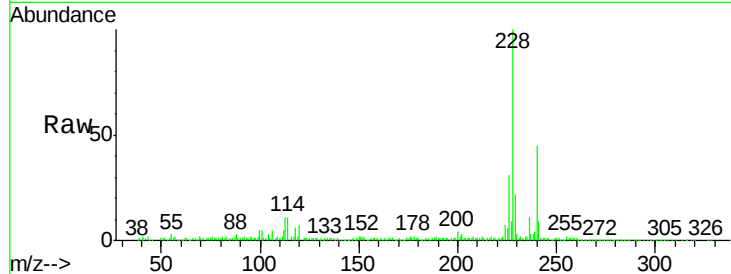
ClientSampled :

CS-8

Tgt Ion:	228	Resp:	358831
Ion Ratio	Lower	Upper	
228	100		
226	31.3	21.8	32.8
229	21.7	16.2	24.4

Manual Integrations
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#83

Chrysene

Concen: 40.503 ng

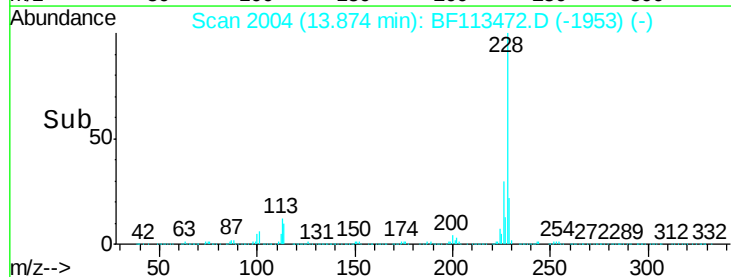
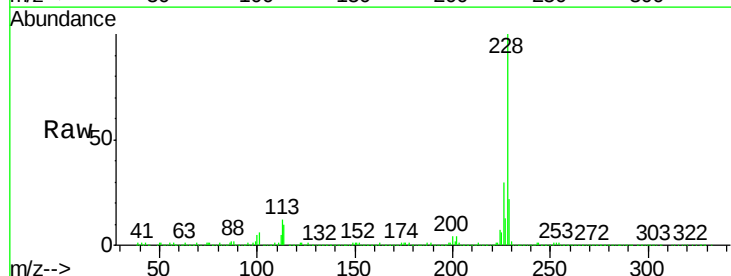
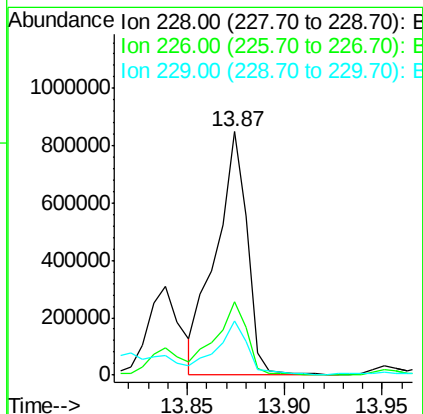
RT: 13.87 min Scan# 2004

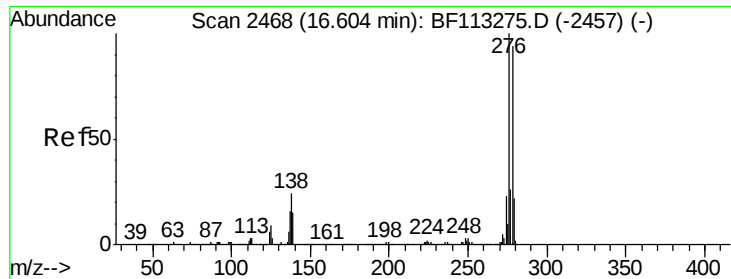
Delta R.T. 0.00 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Tgt Ion:	228	Resp:	936512
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	22.2	16.3	24.5





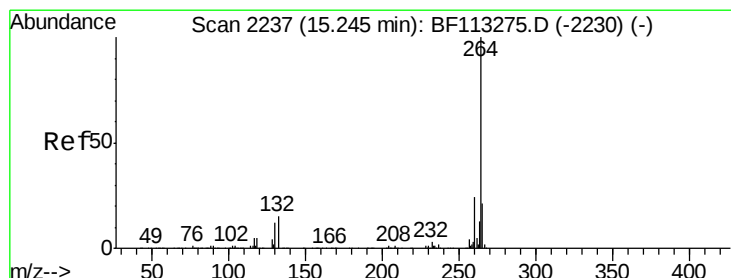
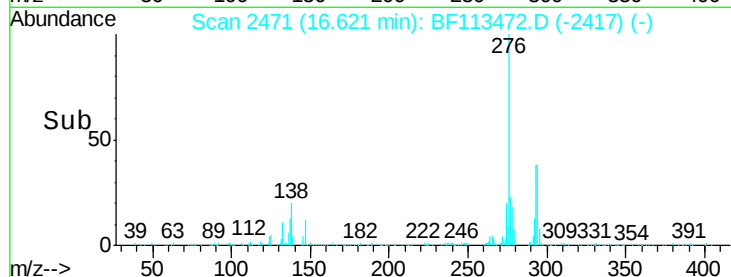
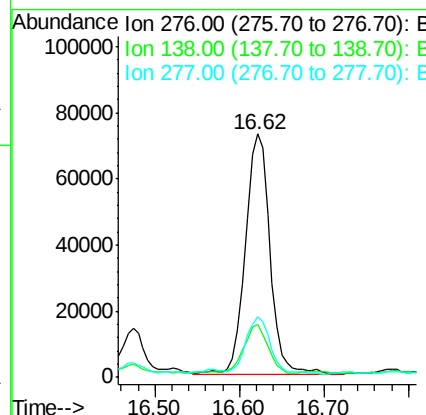
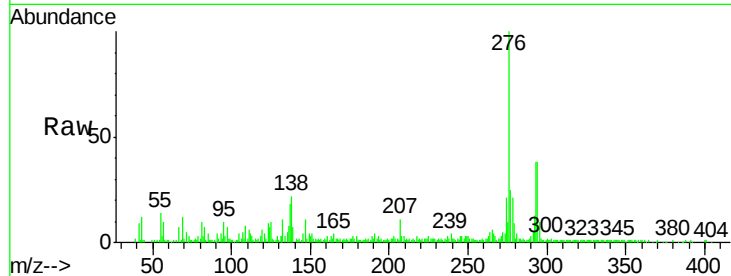
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.321 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. 0.02 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Instrument :
 BNA_F
 ClientSampled :
 CS-8

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	145280		
138	20.2	18.1	27.1	
277	23.7	20.2	30.4	

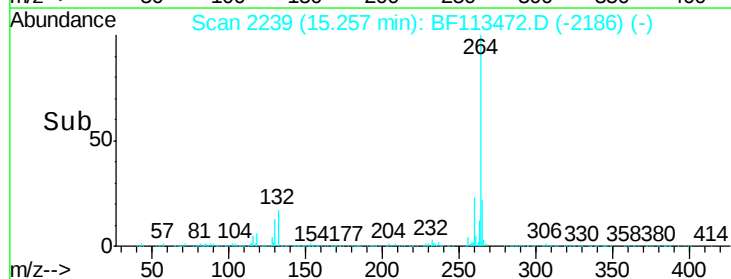
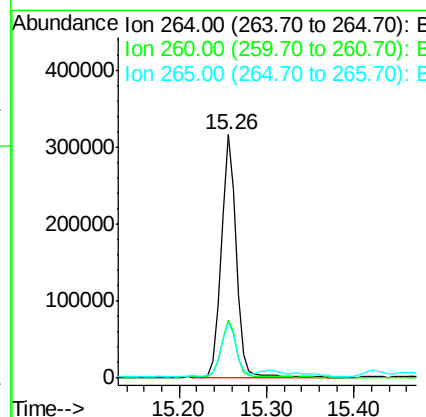
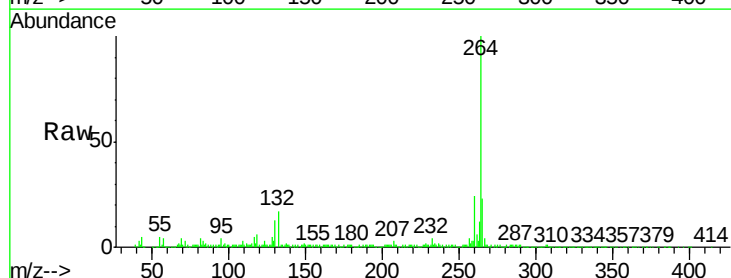
Manual Integrations
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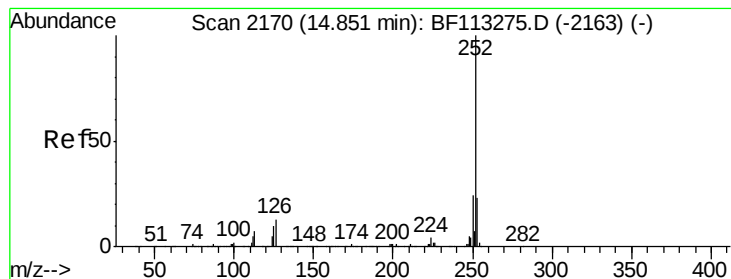
Sohil
 4/2/2019 3:49:27 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113472.D
 Acq: 1 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	373557		
260	23.6	19.1	28.7	
265	22.5	17.1	25.7	





#88

Benzo(b)fluoranthene

Concen: 42.829 ng m

RT: 14.86 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

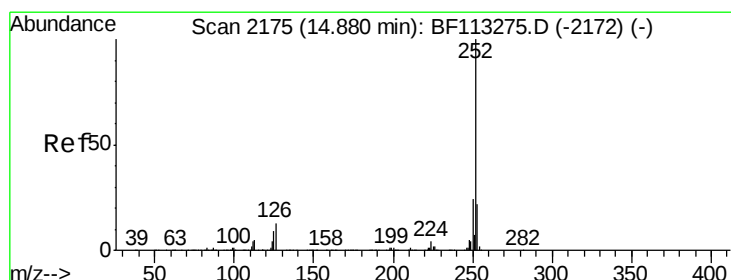
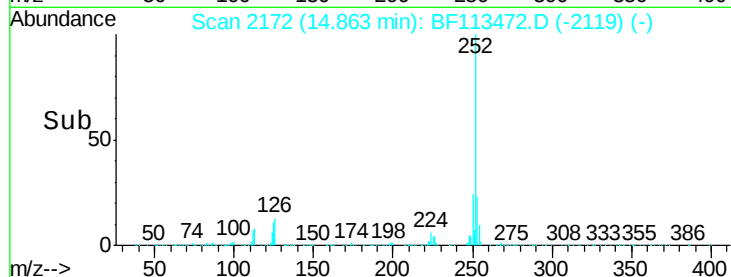
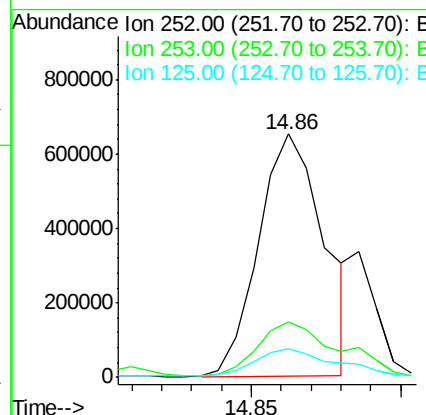
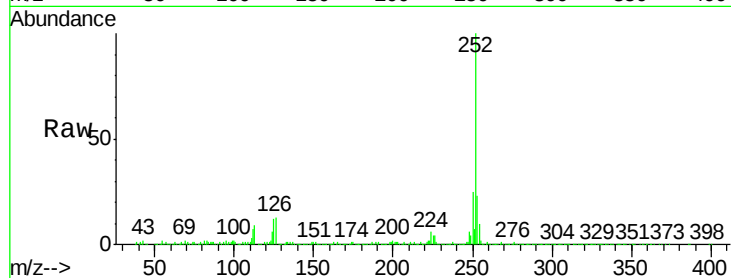
ClientSampleId :

CS-8

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	993862		
253	22.9	18.0	27.0	
125	11.7	7.6	11.4	

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 10.034 ng m

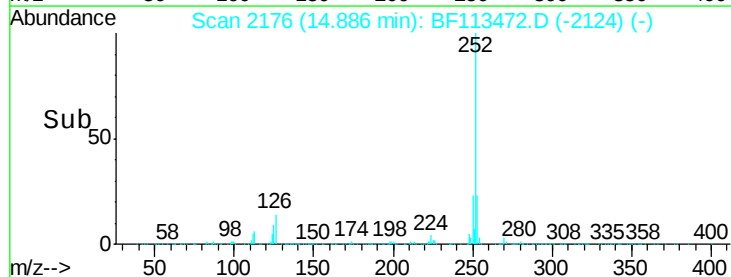
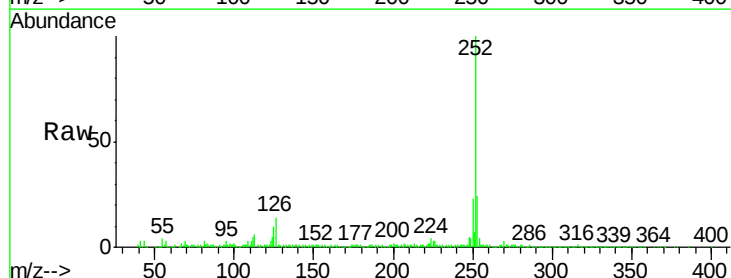
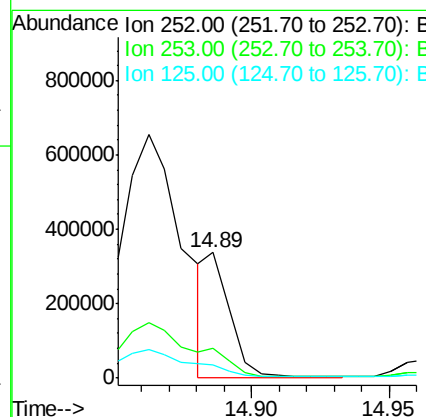
RT: 14.89 min Scan# 2176

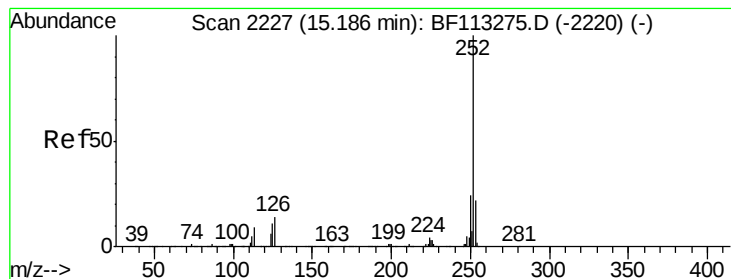
Delta R.T. 0.01 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	204479		
253	23.6	17.7	26.5	
125	10.5	7.3	10.9	





#90

Benzo(a)pyrene

Concen: 7.615 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Instrument :

BNA_F

ClientSampled :

CS-8

Tgt Ion: 252 Resp: 156657
Ion Ratio Lower Upper

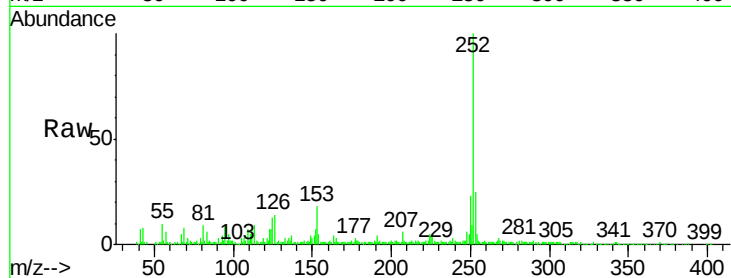
252 100

253 25.2 17.9 26.9

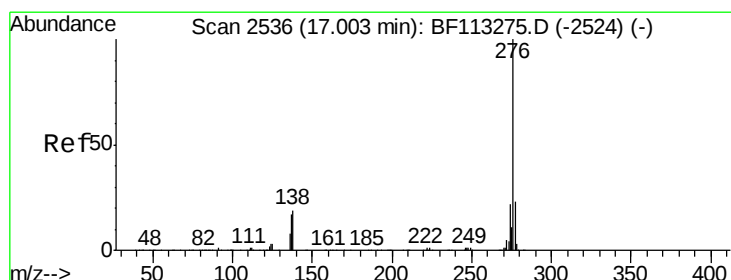
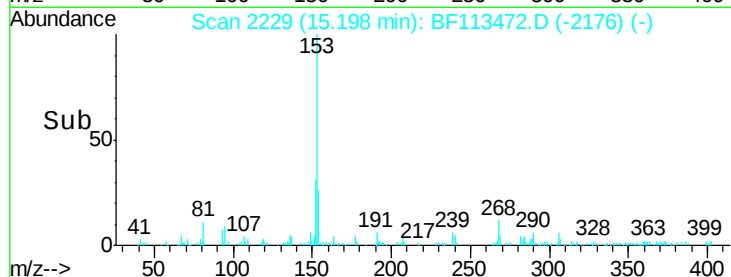
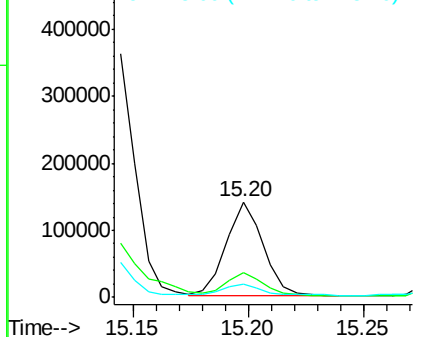
125 13.4 8.8 13.2#

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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



#92

Benzo(g,h,i)perylene

Concen: 6.654 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.02 min

Lab File: BF113472.D

Acq: 1 Apr 2019 17:53

Tgt Ion: 276 Resp: 119336
Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 22.1 15.6 23.4

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

