

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113240.D
 Acq On : 22 Mar 2019 17:51
 Operator : JU/SJ
 Sample : K2050-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-3

Manual Integrations
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Quant Time: Mar 23 00:22:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	149267	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	512426	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	250970	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	479851	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	310194	20.00	ng	-0.01
87) Perylene-d12	15.27	264	356867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1078984	112.44	ng	0.00
7) Phenol-d6	6.37	99	1347708	111.81	ng	0.00
23) Nitrobenzene-d5	7.28	82	862600	100.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	373965	140.36	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1168547	74.72	ng	-0.02
79) Terphenyl-d14	12.81	244	904753	56.54	ng	-0.01
Target Compounds						
10) Phenol	6.37	94	87484	6.219	ng	Qvalue 97
32) Benzoic acid	7.79	122	173060	33.451	ng	91
50) Dimethylphthalate	9.47	163	149517	8.080	ng	98
71) Phenanthrene	11.25	178	58157	2.436	ng	97
75) Fluoranthene	12.44	202	334218	13.066	ng	94
78) Pyrene	12.66	202	290425	11.106	ng	99
81) Benzo(a)anthracene	13.85	228	118209m	5.498	ng	
83) Chrysene	13.89	228	194720	9.247	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	137890	7.681	ng	# 90
88) Benzo(b)fluoranthene	14.87	252	365746m	15.845	ng	
89) Benzo(k)fluoranthene	14.89	252	114567m	5.479	ng	
90) Benzo(a)pyrene	15.21	252	145555	7.129	ng	97
91) Dibenzo(a,h)anthracene	16.63	278	41679	2.392	ng	# 92
92) Benzo(g,h,i)perylene	17.04	276	123354	7.051	ng	95

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

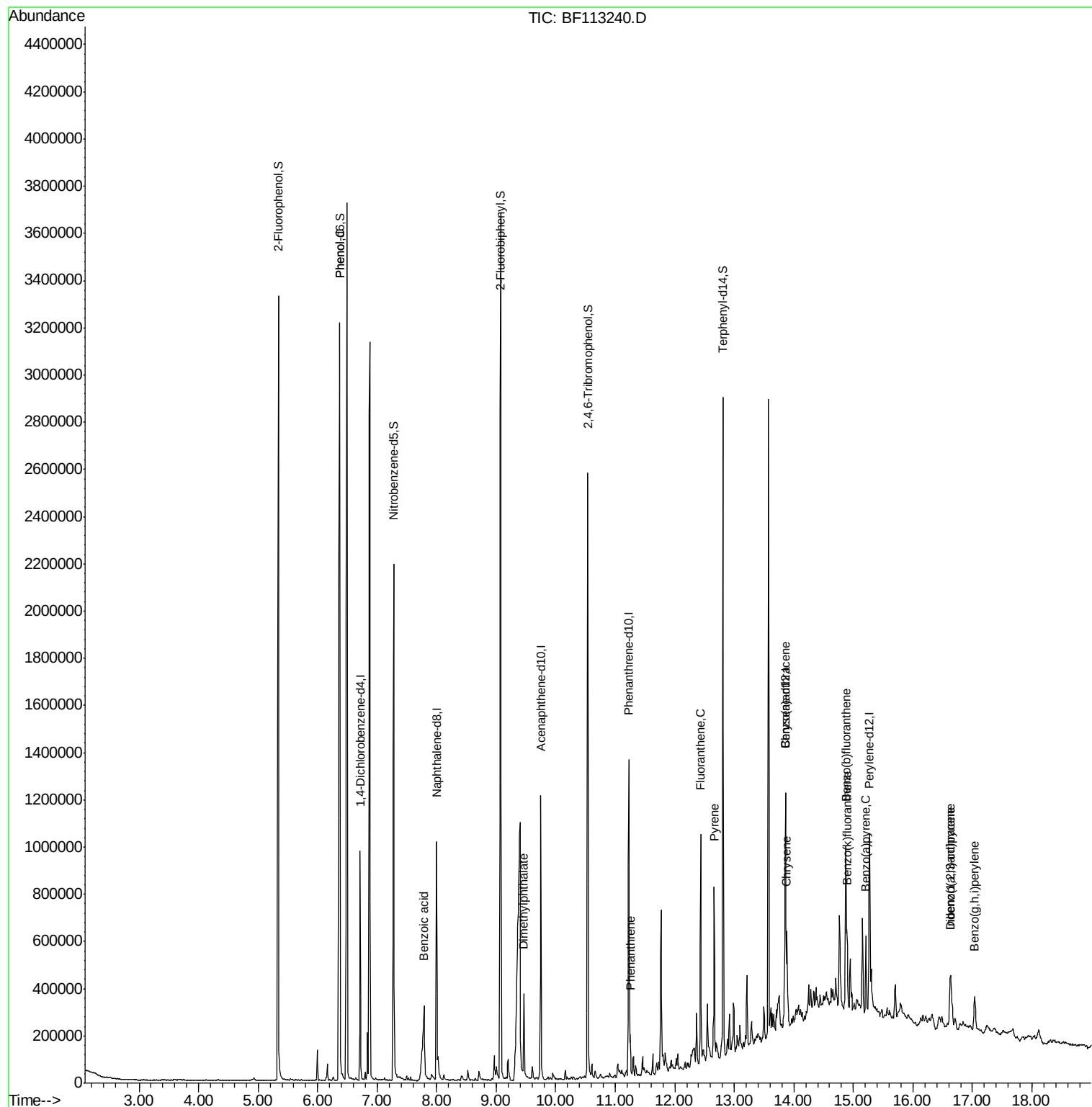
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113240.D
Acq On : 22 Mar 2019 17:51
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Sample : K2050-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

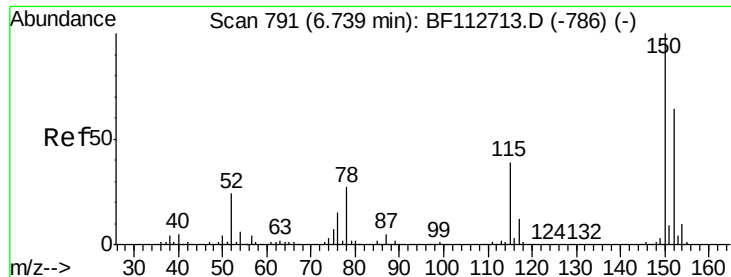
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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#1

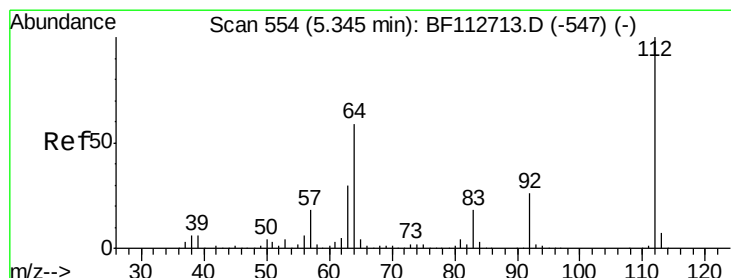
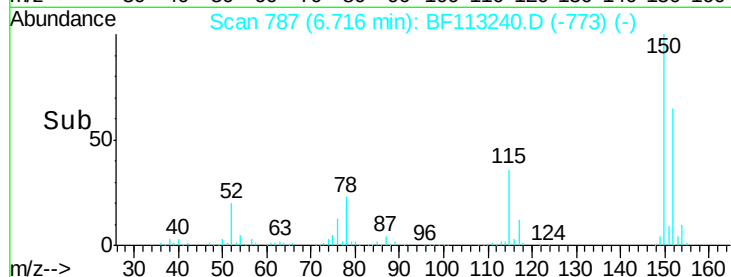
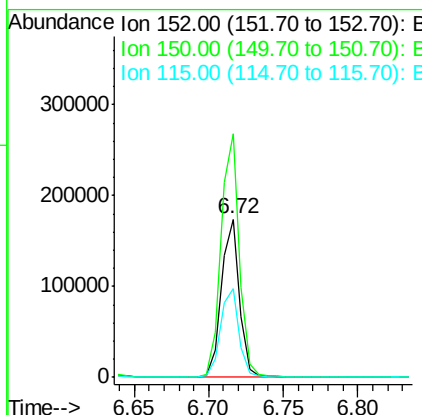
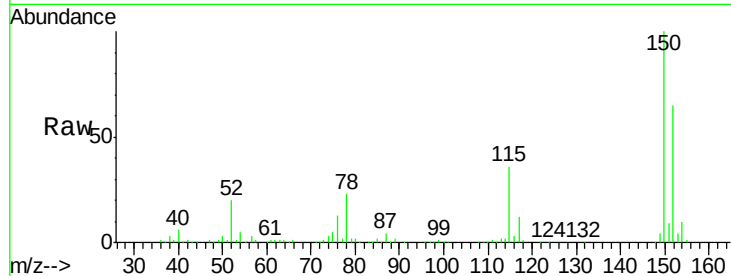
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampleId :
CS-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.2	186.2
115	55.8	48.2	72.4

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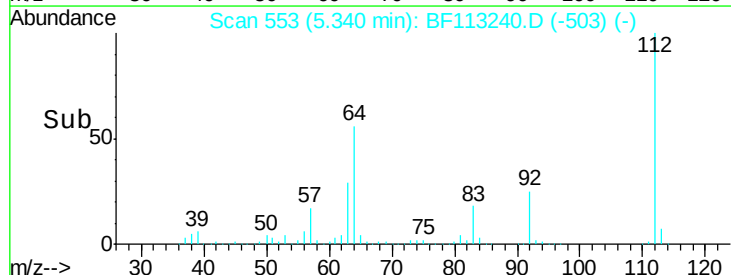
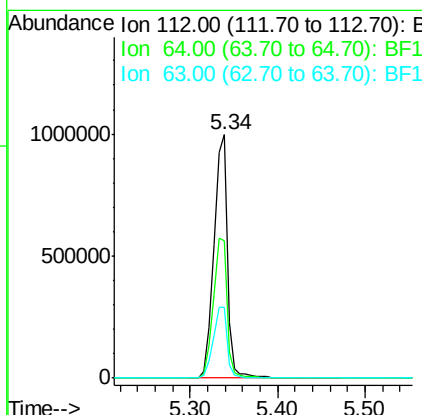
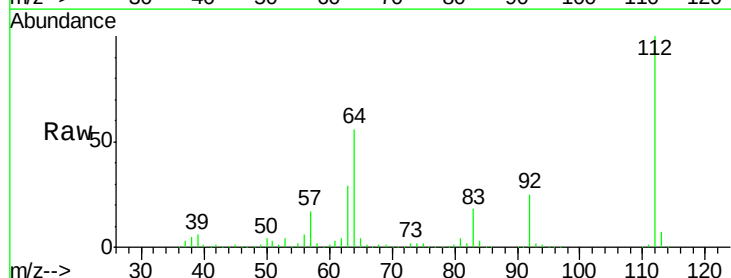
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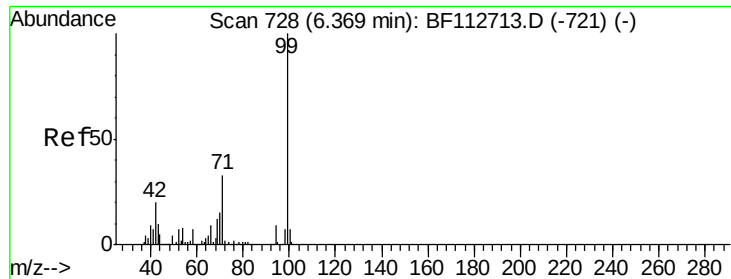


#5

2-Fluorophenol
Concen: 112.443 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.6	71.4
63	29.1	24.4	36.6





#7

Phenol-d6

Concen: 111.807 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

Instrument :

BNA_F

ClientSampled :

CS-3

Tgt Ion: 99 Resp: 1347708

Ion Ratio Lower Upper

99 100

42 18.7 16.3 24.5

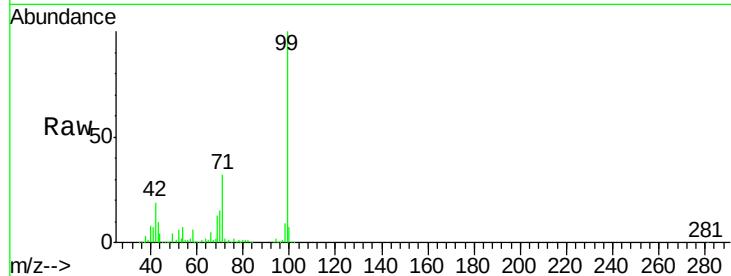
71 32.0 26.2 39.4

Manual Integrations

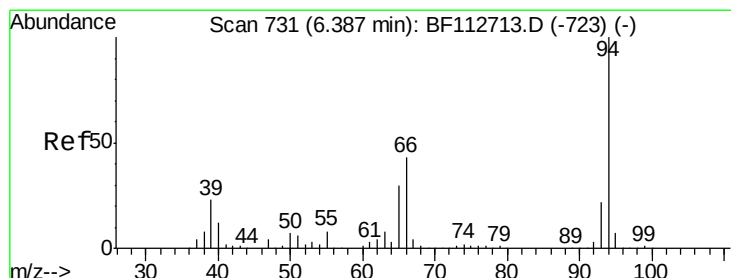
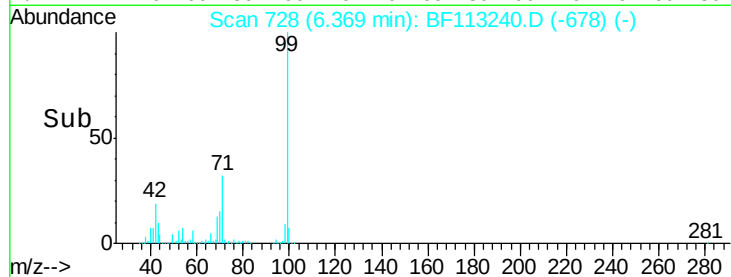
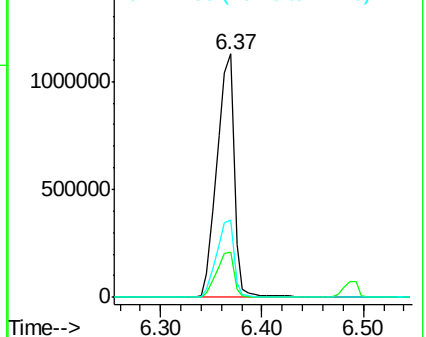
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.219 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

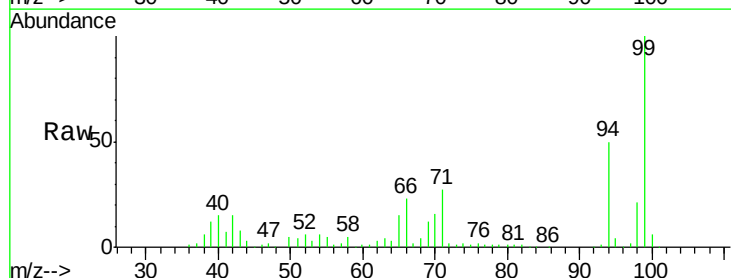
Tgt Ion: 94 Resp: 87484

Ion Ratio Lower Upper

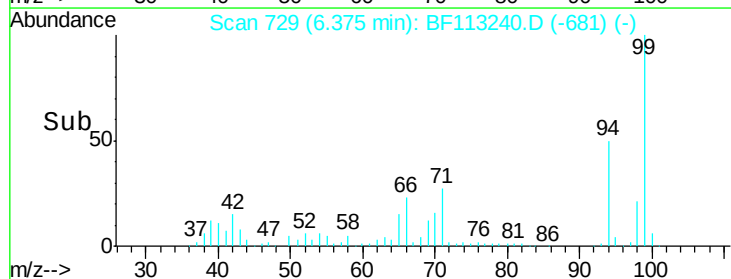
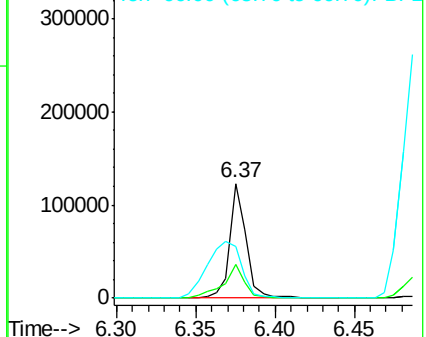
94 100

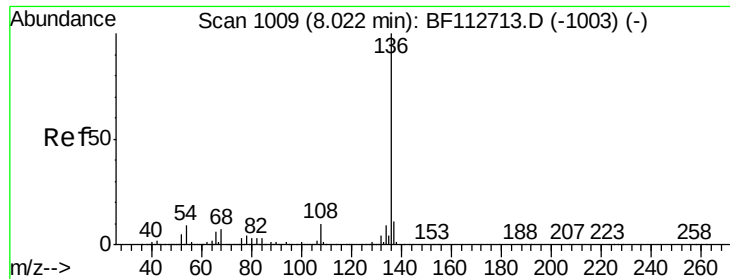
65 29.8 10.5 50.5

66 45.4 22.6 62.6



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





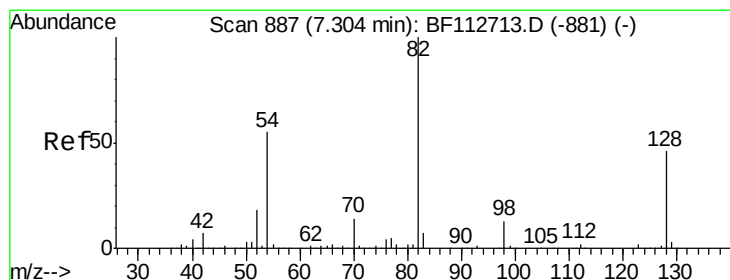
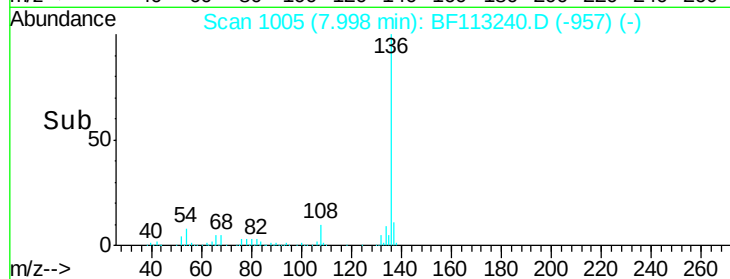
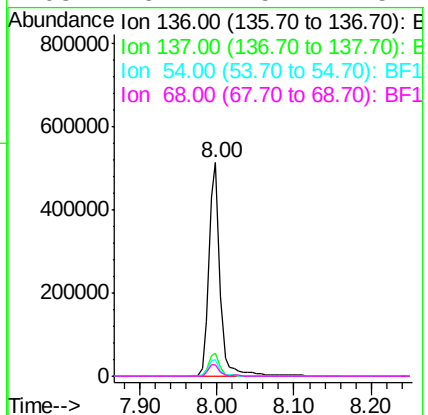
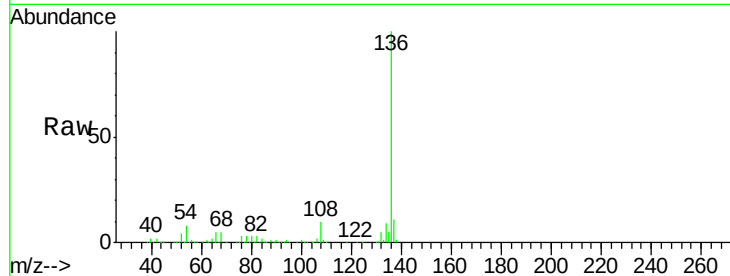
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.9	7.3	10.9
68	5.2	5.4	8.2#

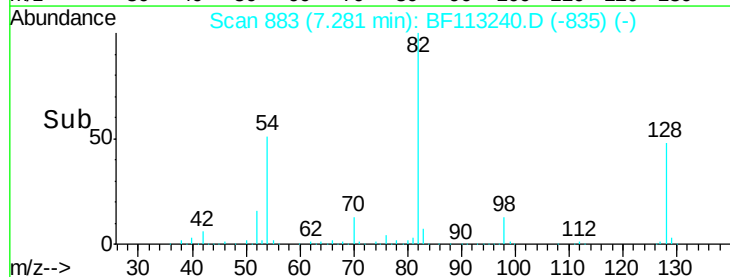
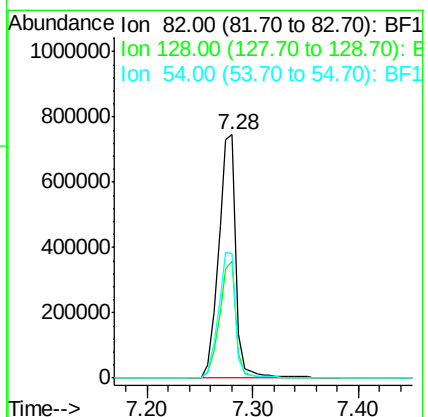
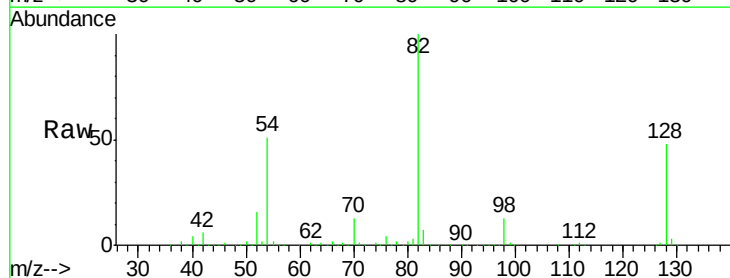
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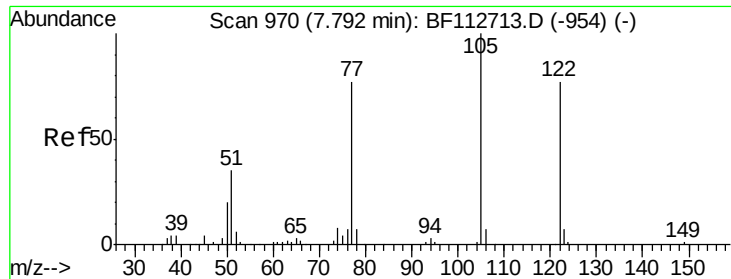
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#23
Nitrobenzene-d5
Concen: 100.729 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.0	36.3	54.5
54	51.1	43.7	65.5





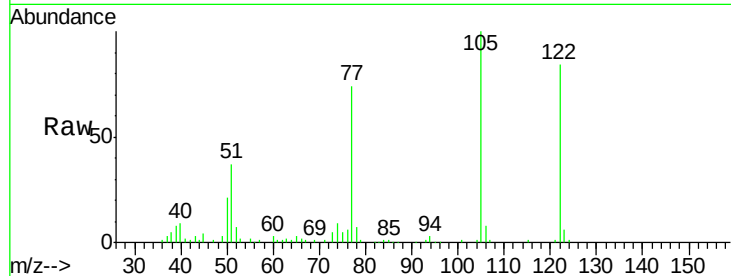
#32
Benzoic acid
Concen: 33.451 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampled :
CS-3

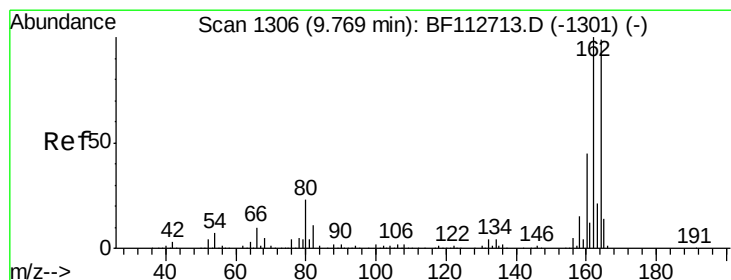
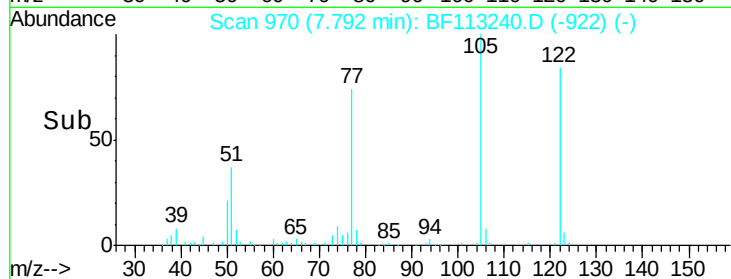
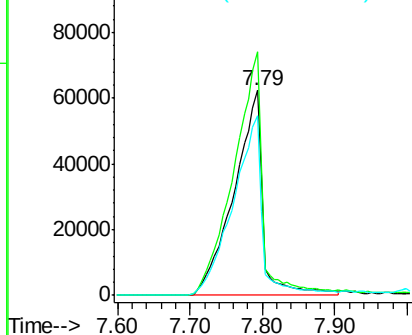
Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.8	106.8	146.8
77	87.9	79.4	119.4

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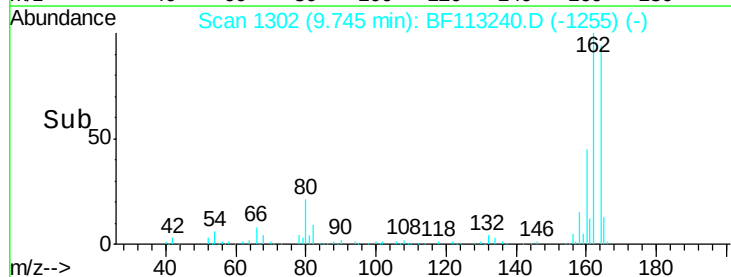
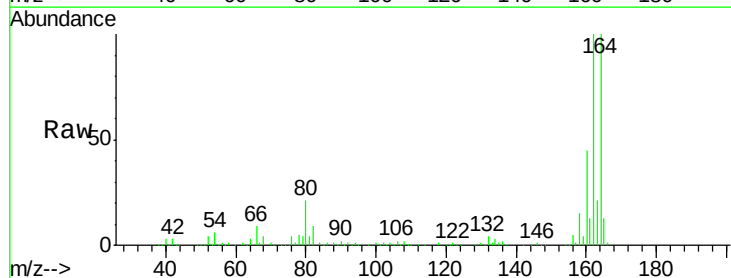
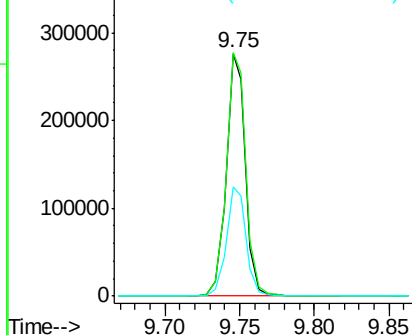
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

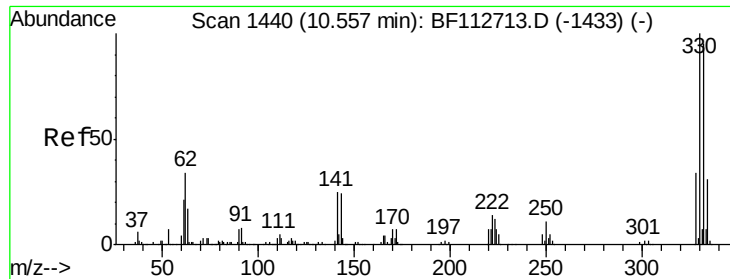


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.9	36.0	54.0

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: 140.358 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

Instrument :

BNA_F

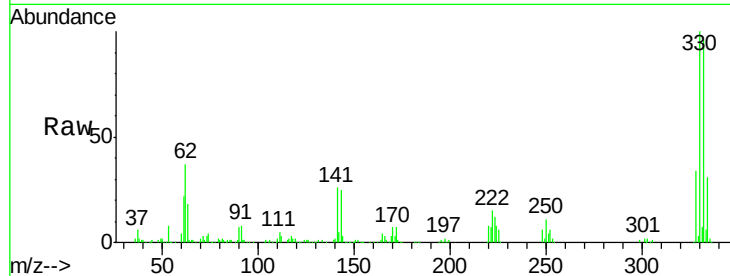
ClientSampled :

CS-3

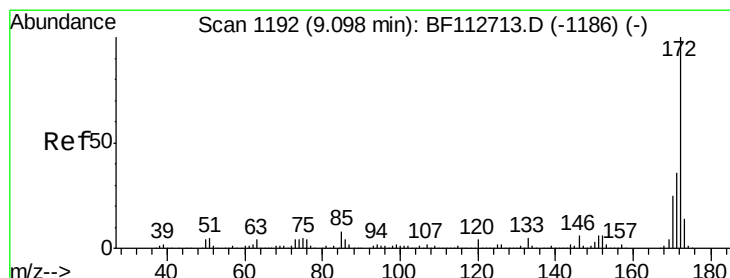
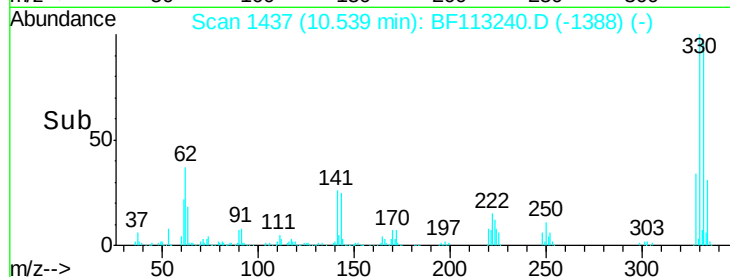
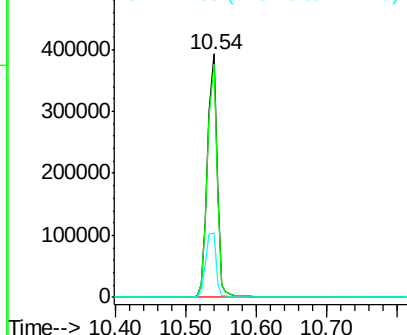
Tgt Ion:	330	Resp:	373965
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.4
141	28.7	27.0	40.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 74.721 ng

RT: 9.07 min Scan# 1188

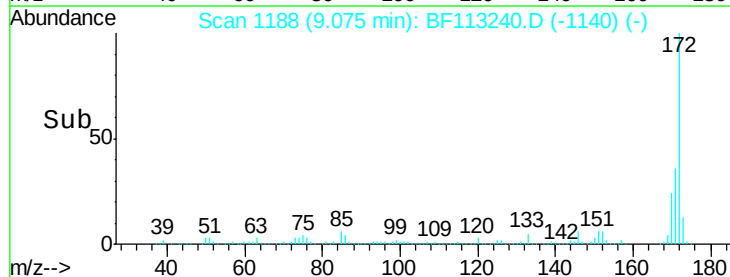
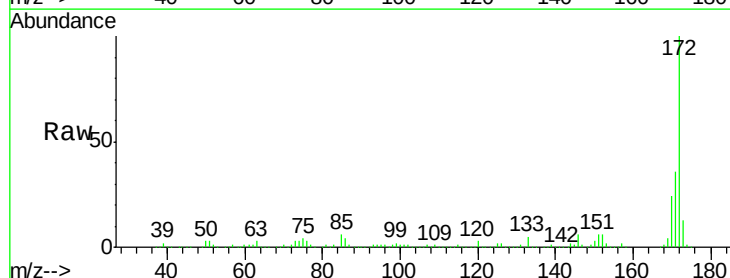
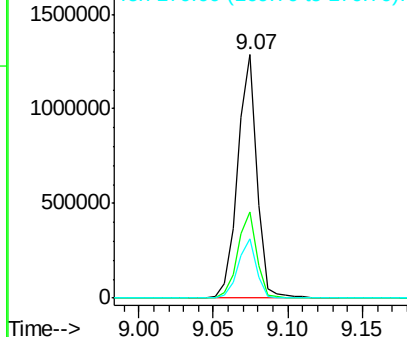
Delta R.T. -0.02 min

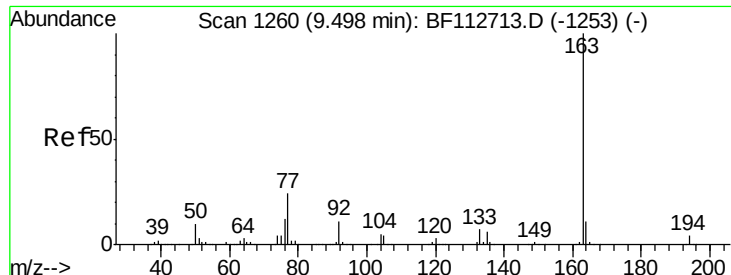
Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

Tgt Ion:	172	Resp:	1168547
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.0	43.4
170	24.5	20.0	30.0

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





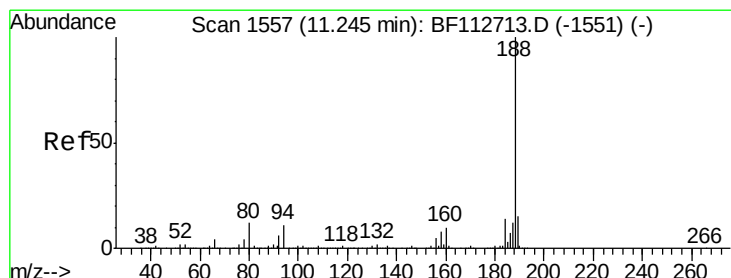
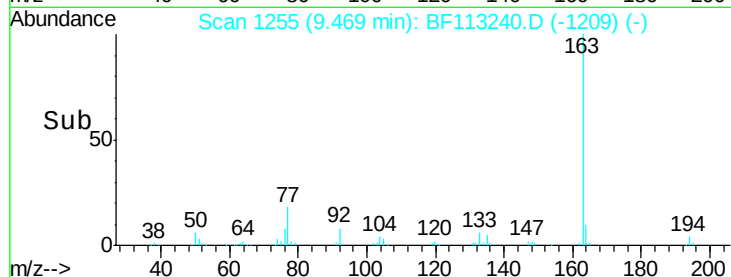
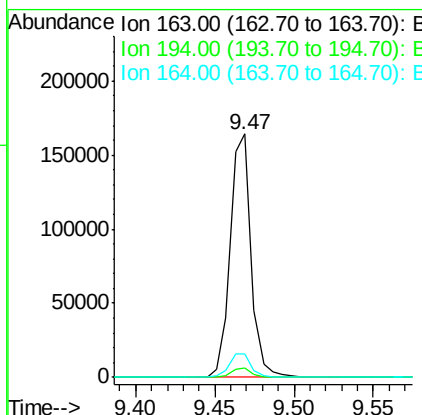
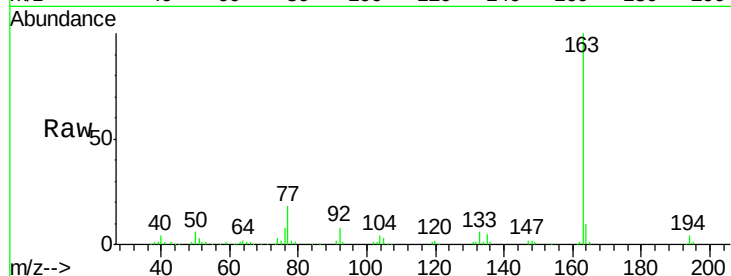
#50
Dimethylphthalate
Concen: 8.080 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.03 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampleId :
CS-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.0	4.4
164	9.5	8.4	12.6

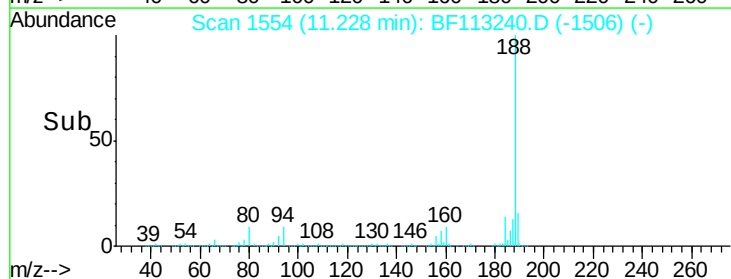
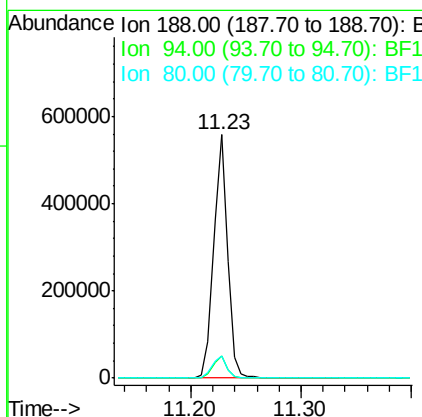
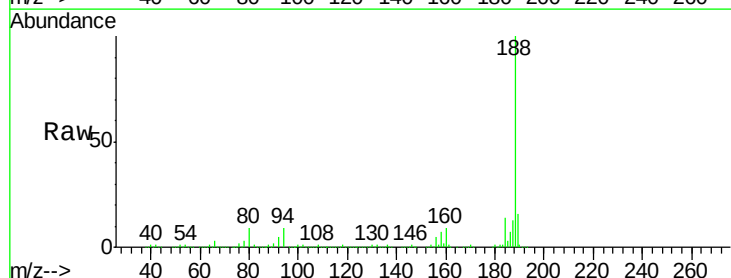
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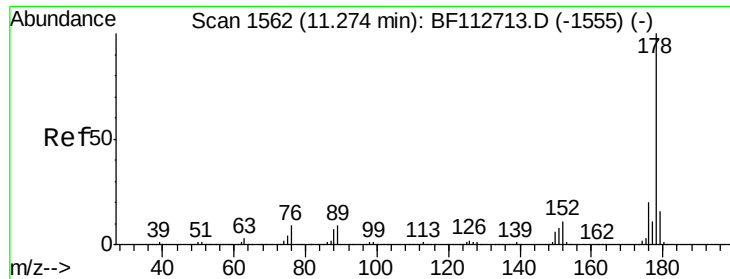
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	9.0	13.4
80	8.9	9.2	13.8#





#71

Phenanthrene

Concen: 2.436 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.02 min

Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

Instrument :

BNA_F

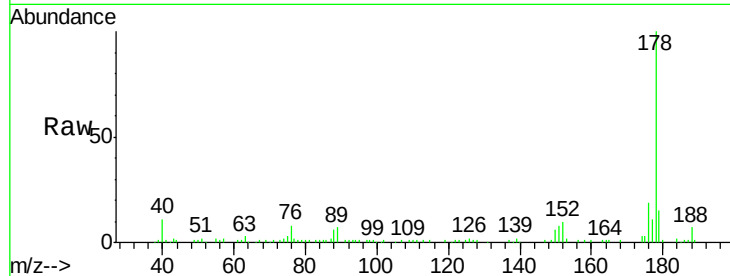
ClientSampled :

CS-3

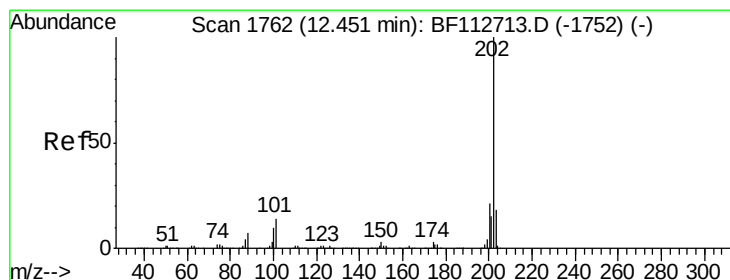
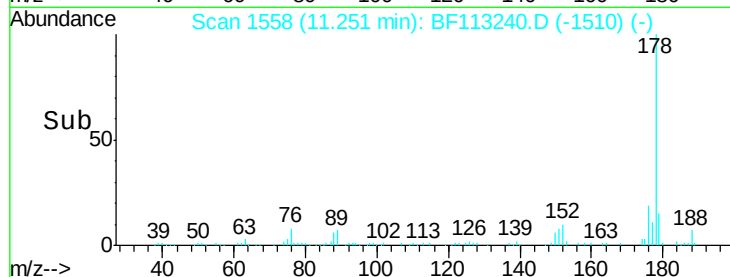
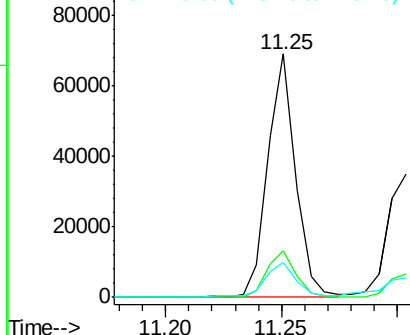
Tgt Ion:	178	Resp:	58157
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.3	24.5
179	14.5	12.7	19.1

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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



#75

Fluoranthene

Concen: 13.066 ng

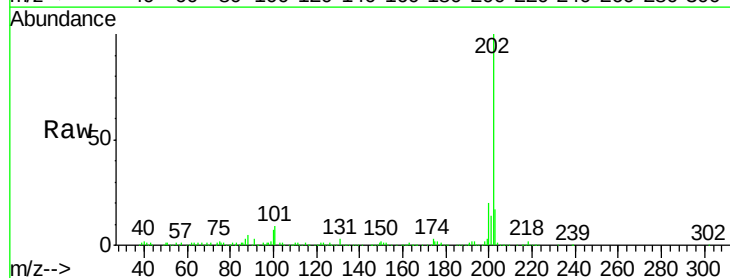
RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

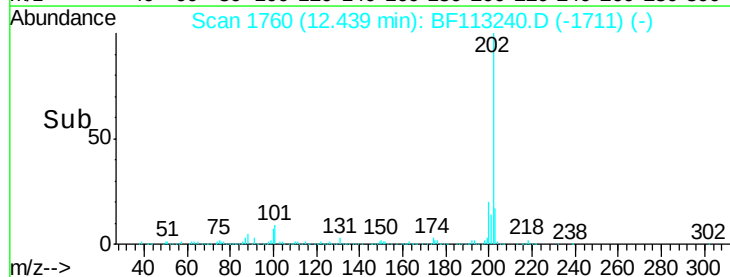
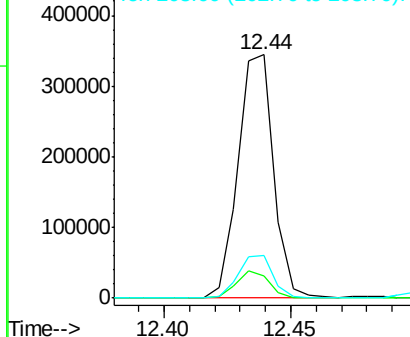
Lab File: BF113240.D

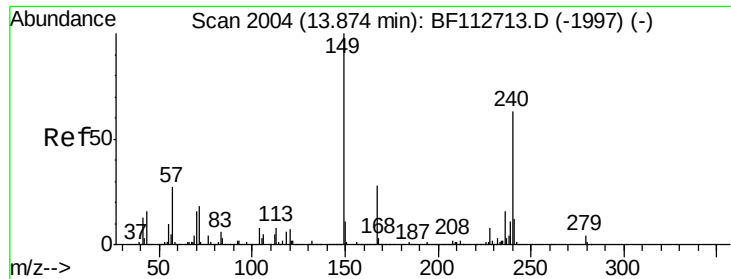
Acq: 22 Mar 2019 17:51

Tgt Ion:	202	Resp:	334218
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	33.8
203	17.5	0.0	38.4



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: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

Instrument :

BNA_F

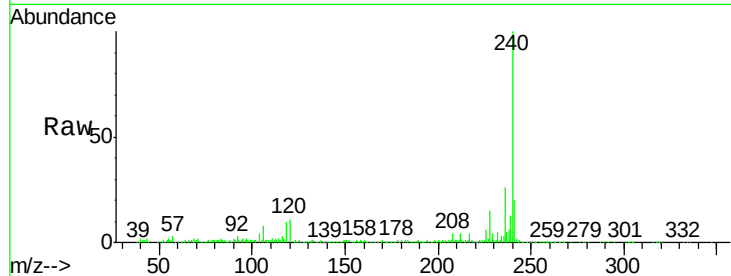
ClientSampleId :

CS-3

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	310194		
120	11.3	8.9	13.3	
236	25.8	20.7	31.1	

Manual Integrations
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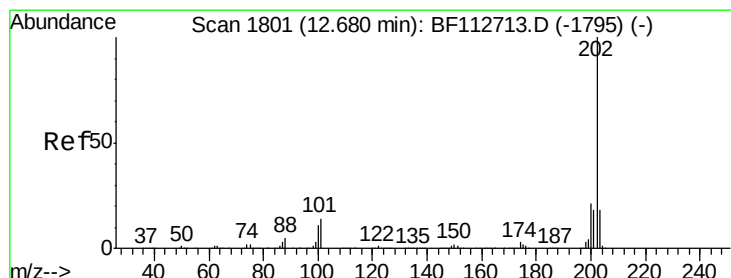
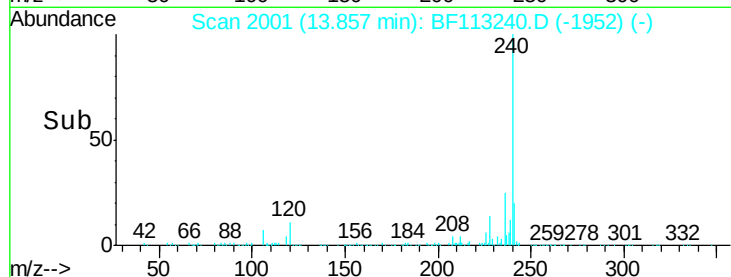
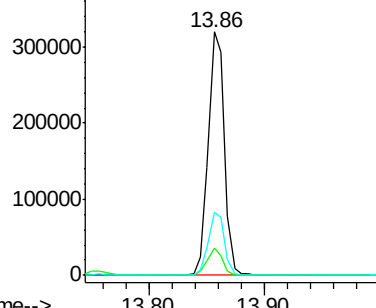
Sohil
3/25/2019 6:32:11 PM



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



#78

Pyrene

Concen: 11.106 ng

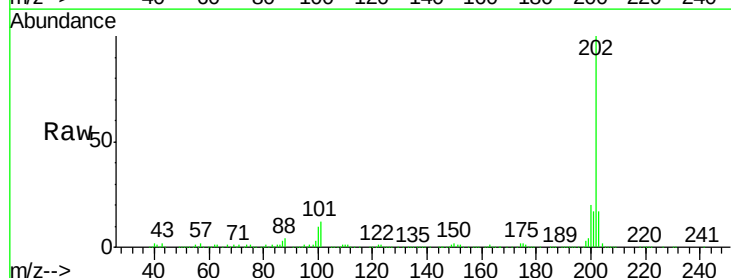
RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF113240.D

Acq: 22 Mar 2019 17:51

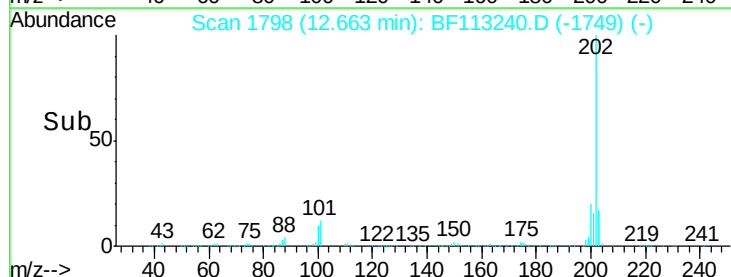
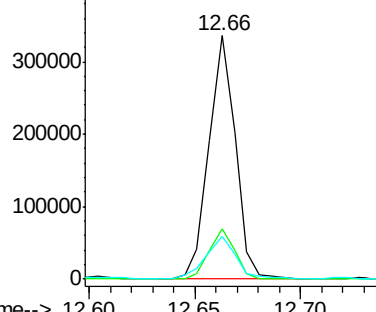
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	290425		
200	20.4	17.0	25.4	
203	17.4	14.4	21.6	

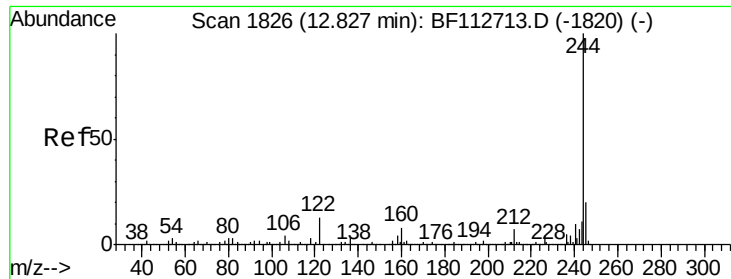


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





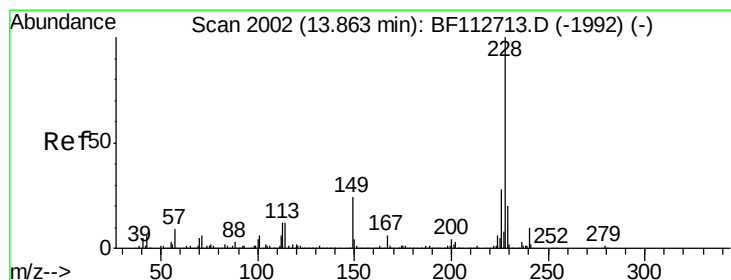
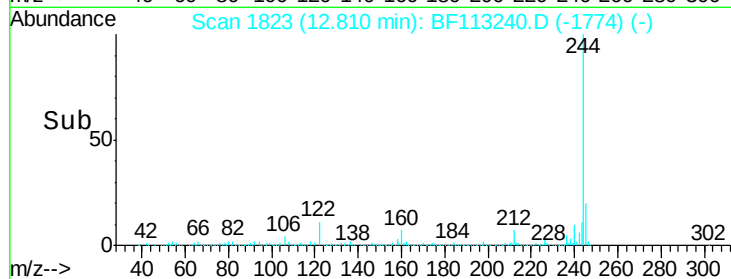
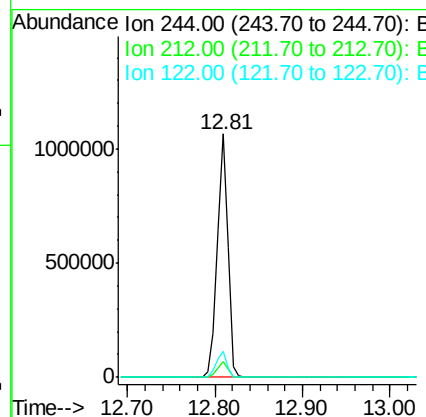
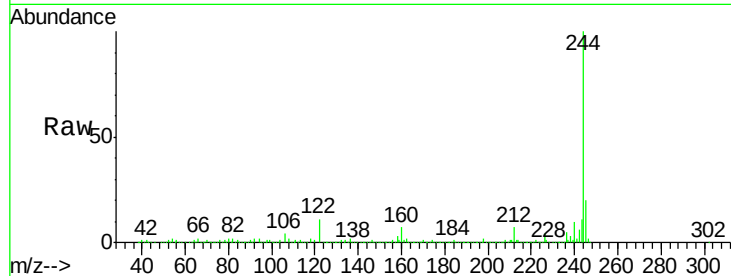
#79
 Terphenyl-d14
 Concen: 56.541 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113240.D
 Acq: 22 Mar 2019 17:51

Instrument :
 BNA_F
 ClientSampled :
 CS-3

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.8	10.5	15.7

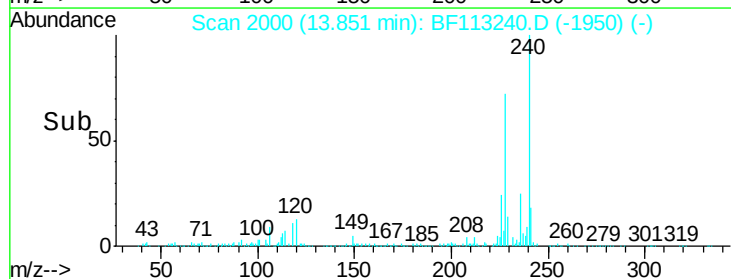
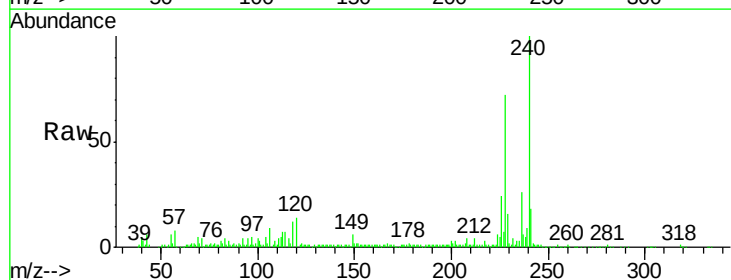
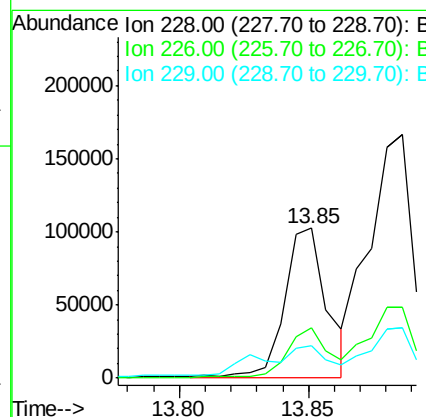
Manual Integrations
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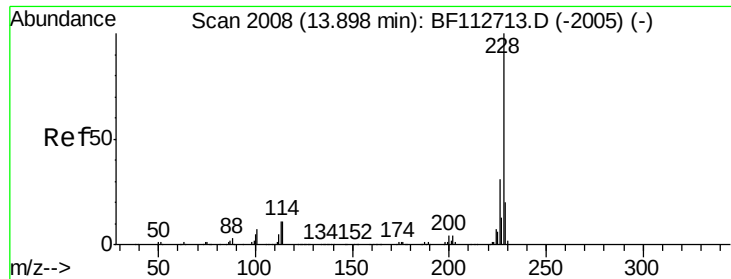
Sohil
 3/25/2019 6:32:11 PM



#81
 Benzo(a)anthracene
 Concen: 5.498 ng m
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113240.D
 Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.2	33.4#
229	21.5	16.0	24.0





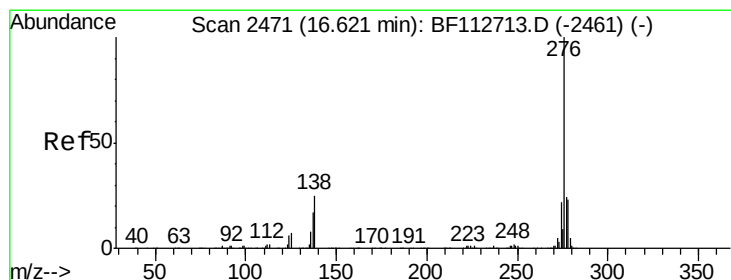
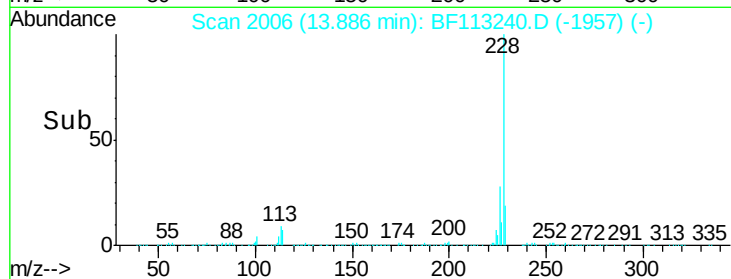
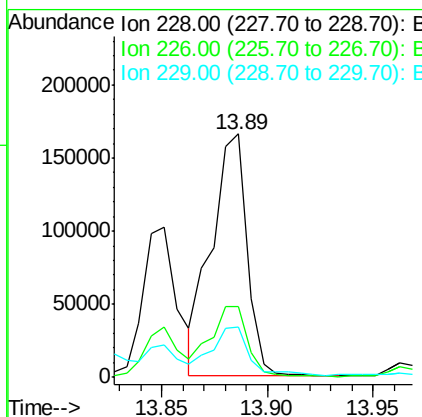
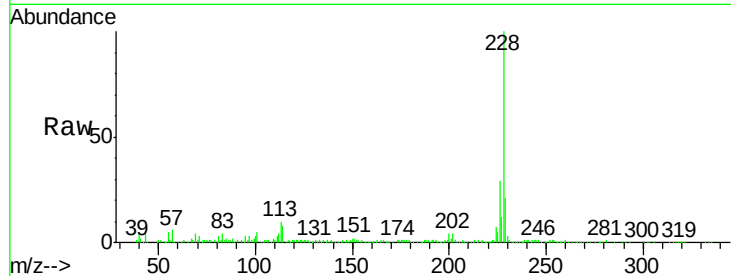
#83
Chrysene
Concen: 9.247 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	194720		
226	28.9	24.9	37.3	
229	20.6	16.3	24.5	

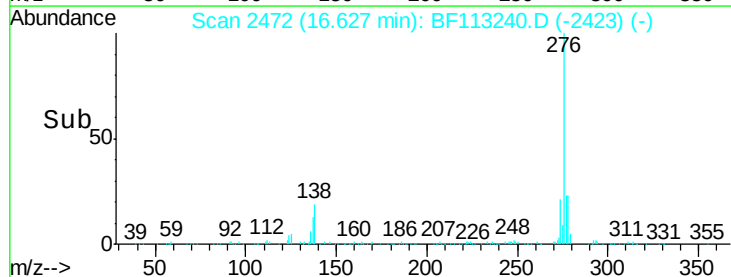
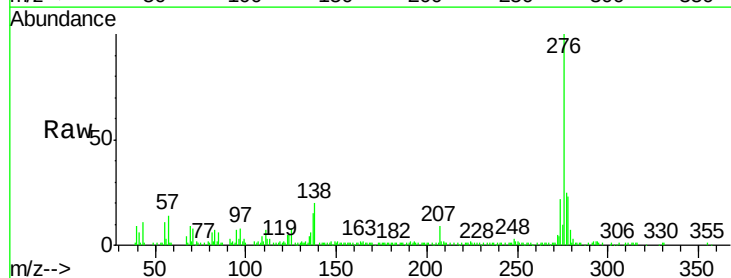
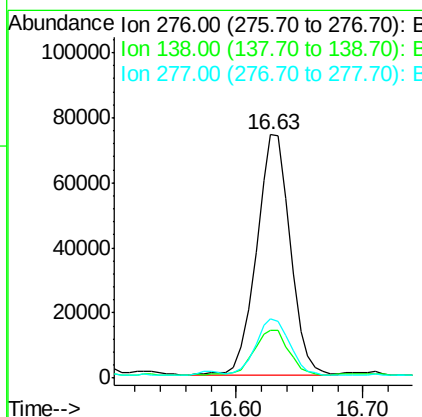
Manual Integrations
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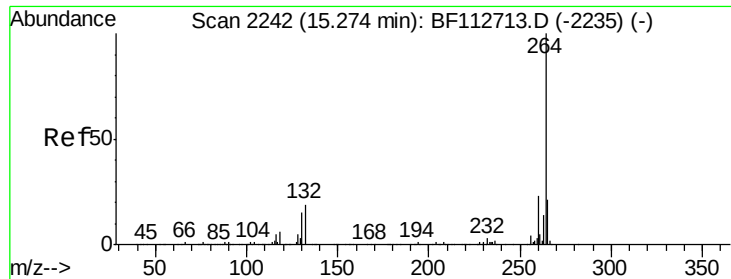
Sohil
3/25/2019 6:32:11 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.681 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	137890		
138	20.5	23.2	34.8#	
277	23.6	19.9	29.9	





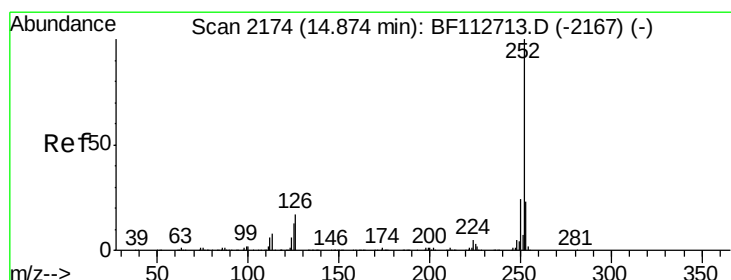
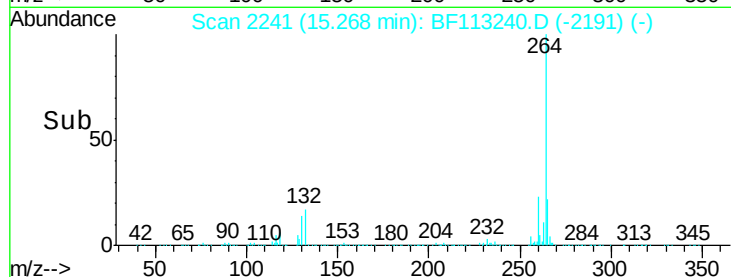
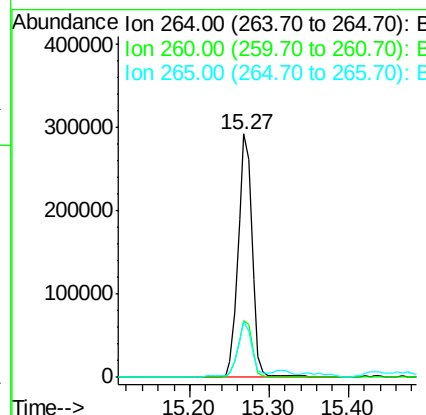
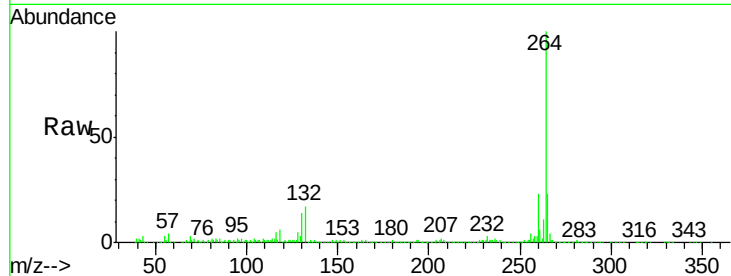
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampleId :
CS-3

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	356867		
260	23.1	18.7	28.1	
265	22.5	17.2	25.8	

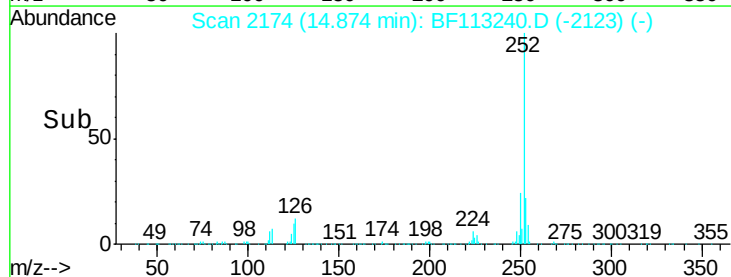
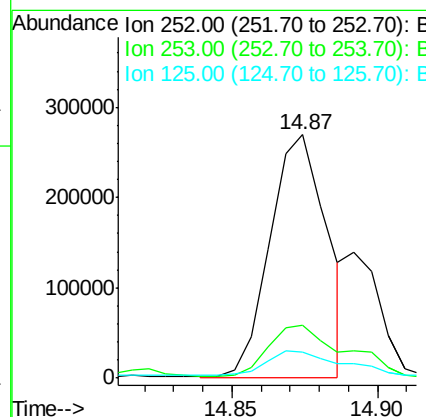
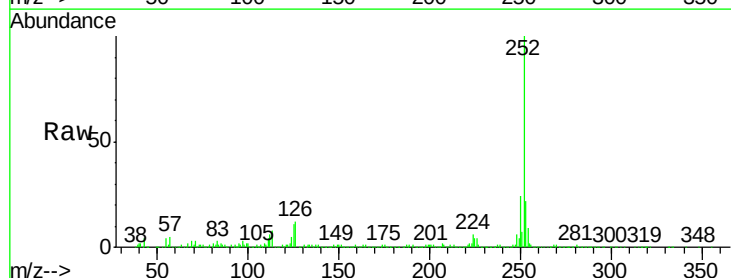
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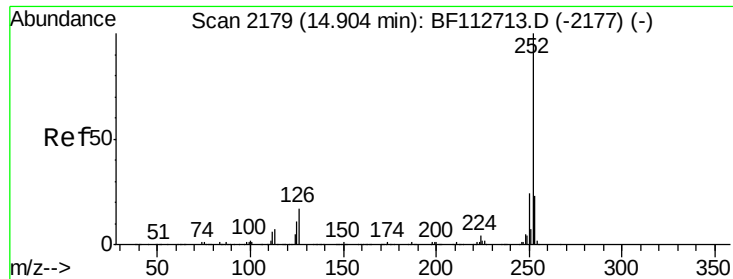
Sohil
3/25/2019 6:32:11 PM



#88
Benzo(b)fluoranthene
Concen: 15.845 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	365746		
253	21.9	18.0	27.0	
125	10.9	10.2	15.2	





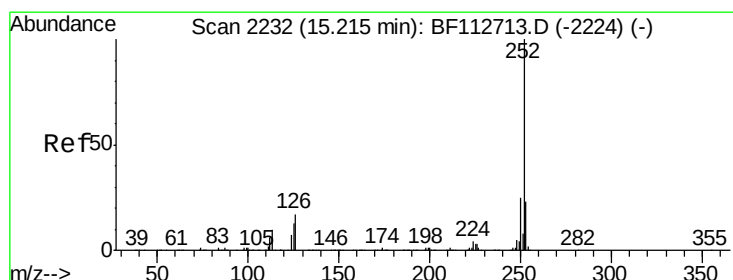
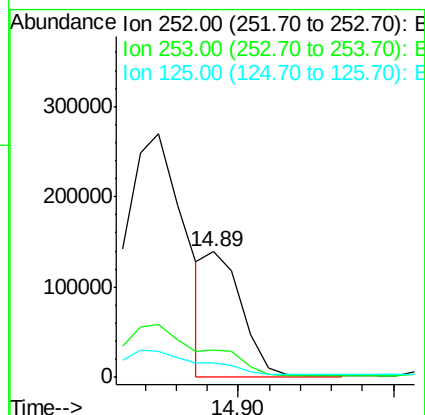
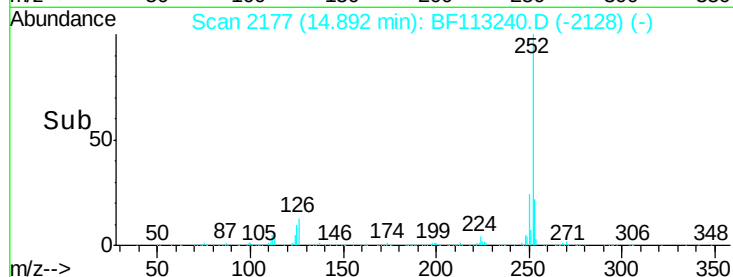
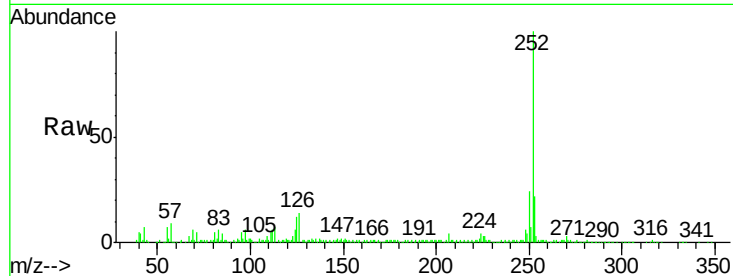
#89
Benzo(k)fluoranthene
Concen: 5.479 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.0	9.8	14.6

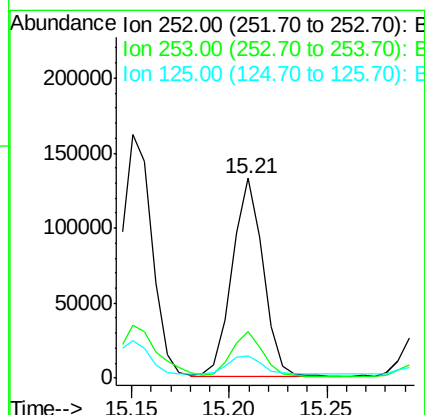
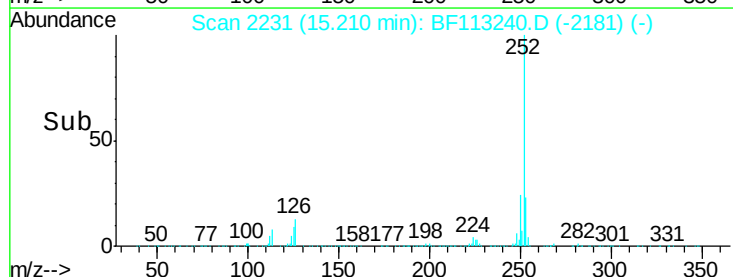
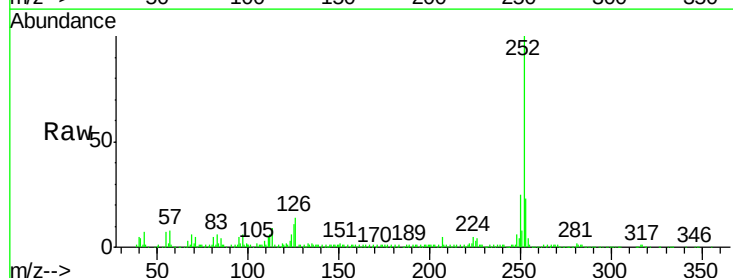
Manual Integrations
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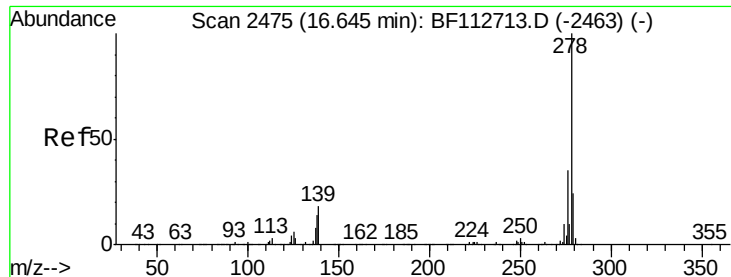
Sohil
3/25/2019 6:32:11 PM



#90
Benzo(a)pyrene
Concen: 7.129 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.4	10.7	16.1





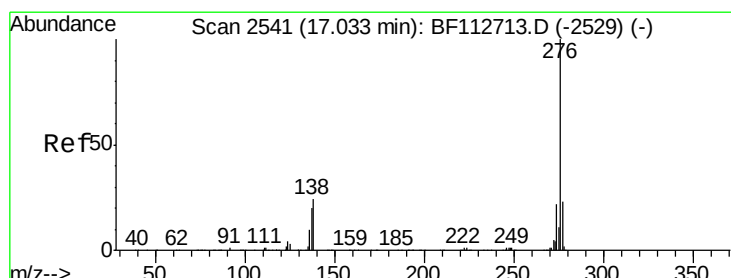
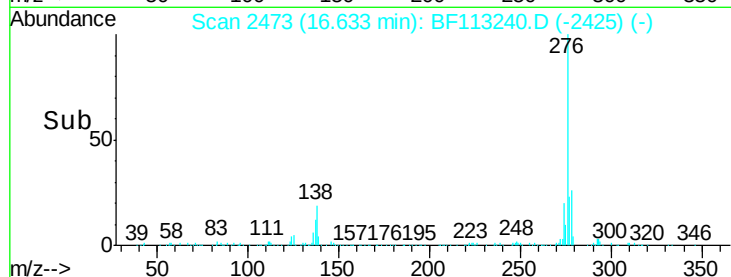
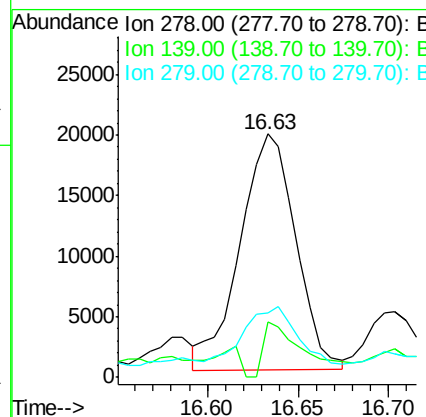
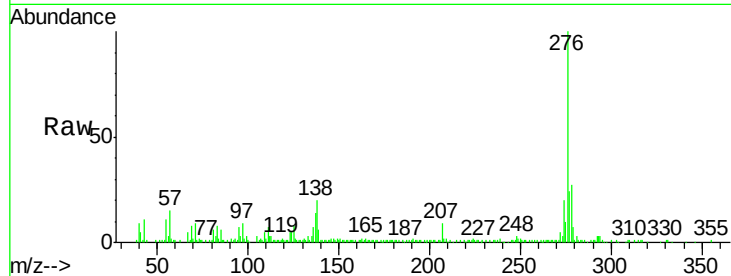
#91
Dibenzo(a,h)anthracene
Concen: 2.392 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	14.3	21.5#
279	26.7	19.4	29.0

Manual Integrations
APPROVED

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3/25/2019 6:32:11 PM



#92
Benzo(g,h,i)perylene
Concen: 7.051 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF113240.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	27.8
138	19.9	19.4	29.0

