

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118887.D
 Acq On : 11 Feb 2020 16:42
 Operator : CG/JU
 Sample : L1481-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11931

Manual Integrations
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Quant Time: Feb 12 07:14:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	271915	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	757919	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	427708	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	822752	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	695075	20.00	ng	-0.01
87) Perylene-d12	15.42	264	717694	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1500374	104.45	ng	0.00
7) Phenol-d6	6.44	99	1849258	103.71	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1191108	93.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	518521	101.32	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1703948	71.22	ng	-0.02
79) Terphenyl-d14	12.92	244	2219137	65.58	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.55	163	86865	2.983	ng	99
70) Pentachlorophenol	11.13	266	92325	15.663	ng	98
71) Phenanthrene	11.35	178	199402	4.926	ng	97
75) Fluoranthene	12.54	202	574781	13.005	ng	98
78) Pyrene	12.77	202	532876	11.175	ng	96
81) Benzo(a)anthracene	13.96	228	249750	6.038	ng	97
83) Chrysene	13.99	228	267981	6.455	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	74929	2.714	ng	99
86) Indeno(1,2,3-cd)pyrene	16.84	276	259677	6.226	ng	94
88) Benzo(b)fluoranthene	14.99	252	382685m	8.593	ng	
89) Benzo(k)fluoranthene	15.02	252	145464m	3.751	ng	
90) Benzo(a)pyrene	15.35	252	261718	6.867	ng	99
92) Benzo(a,h,i)perylene	17.28	276	265914	8.172	ng	98

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

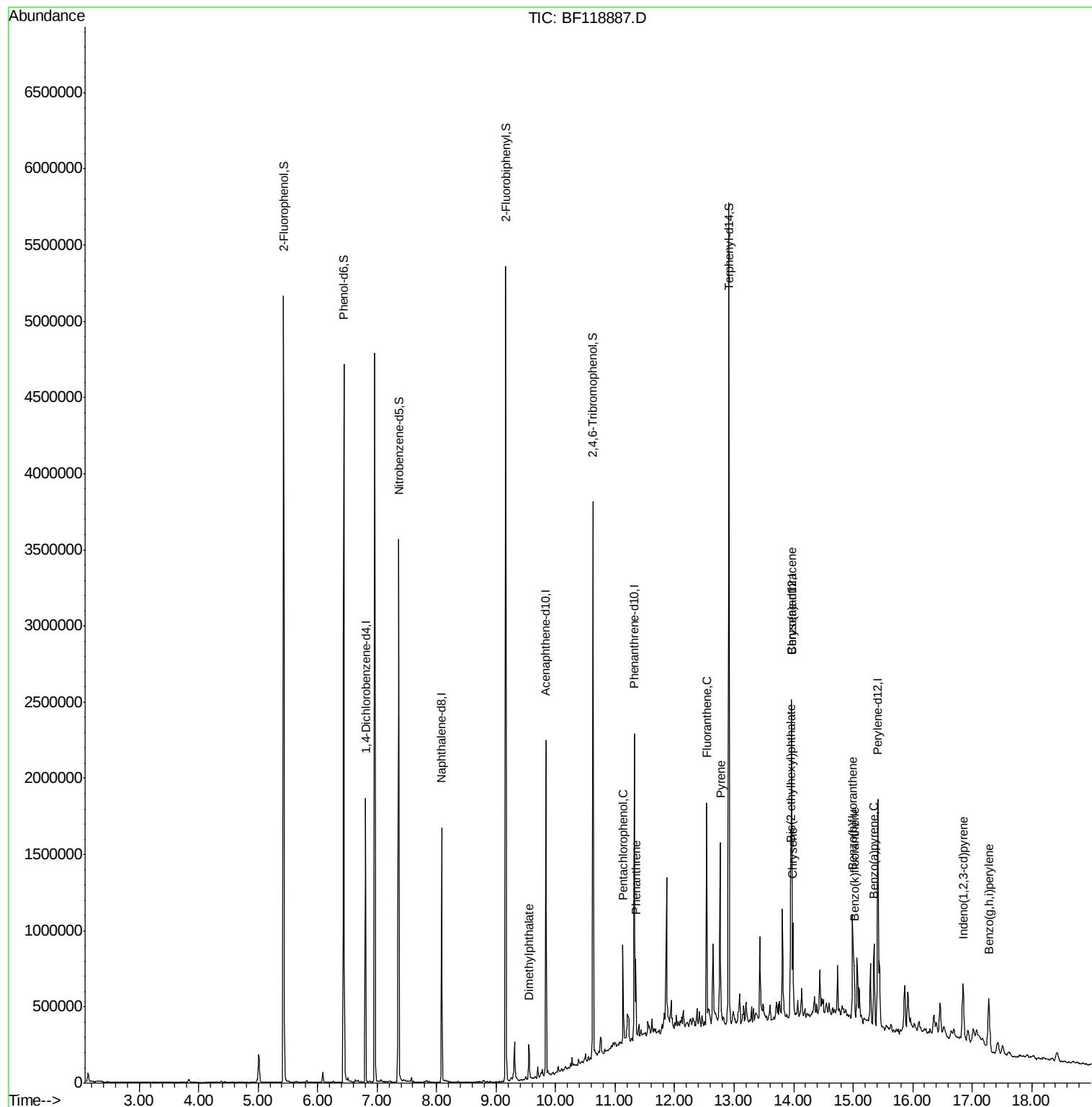
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118887.D
Acq On : 11 Feb 2020 16:42
Operator : CG/JU
Sample : L1481-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

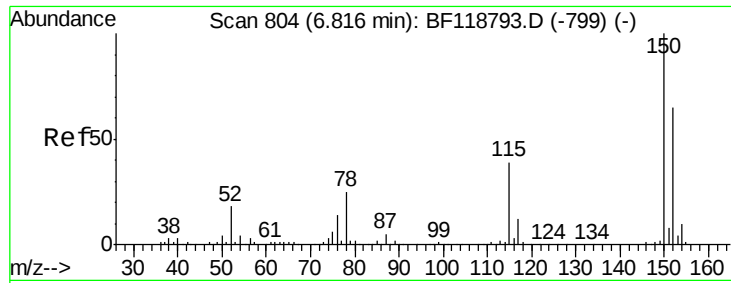
Instrument :
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Quant Time: Feb 12 07:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

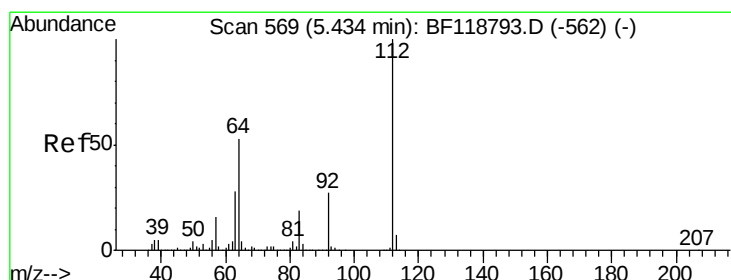
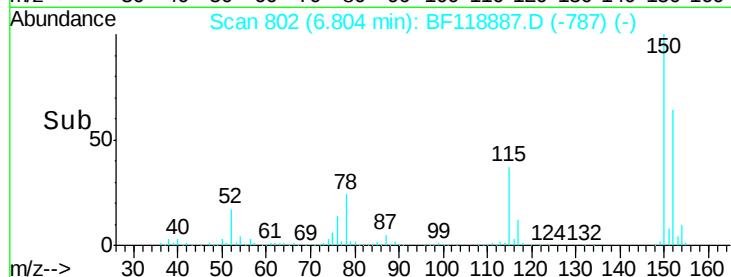
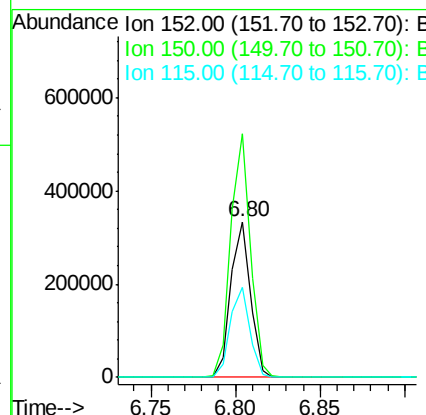
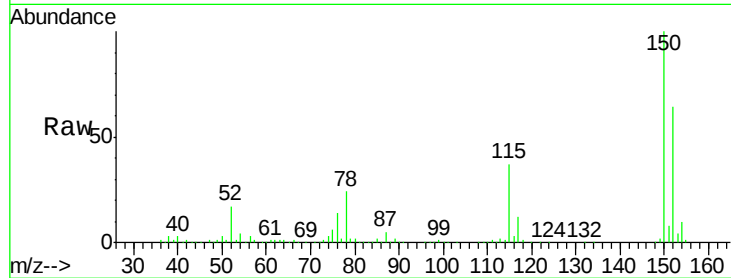
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Instrument :
BNA_F
ClientSampleId :
72-11931

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	123.6	185.4
115	57.7	48.2	72.2

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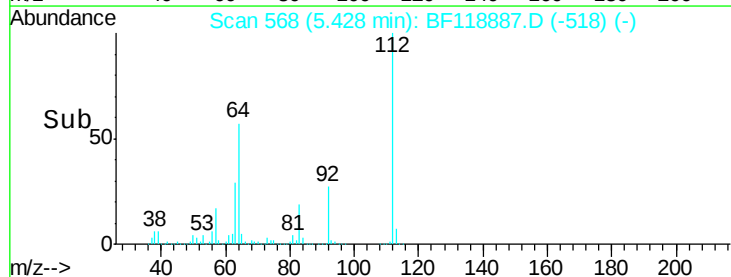
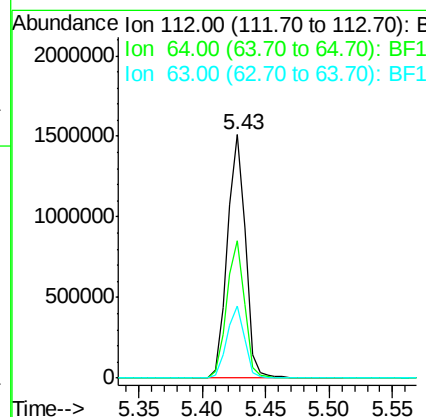
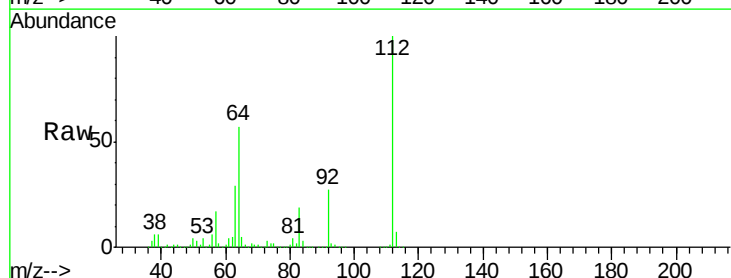
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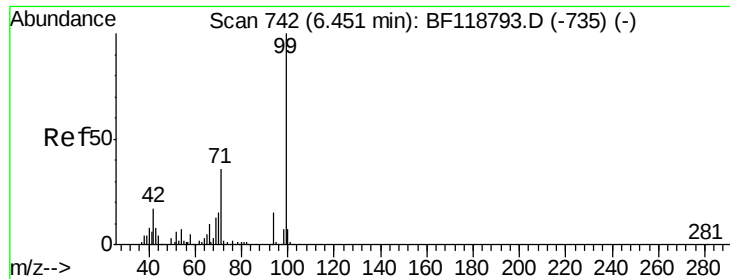


#5

2-Fluorophenol
Concen: 104.448 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	42.6	63.8
63	29.4	22.2	33.4





#7

Phenol-d6

Concen: 103.706 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Instrument :

BNA_F

ClientSampled :

72-11931

Tot Ion: 99 Resp: 1849258

Ion Ratio Lower Upper

99 100

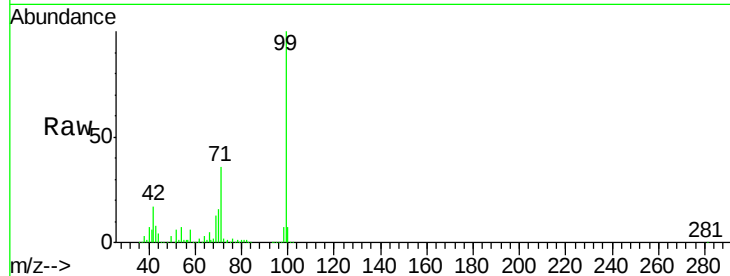
42 17.4 13.4 20.0

71 35.9 29.0 43.6

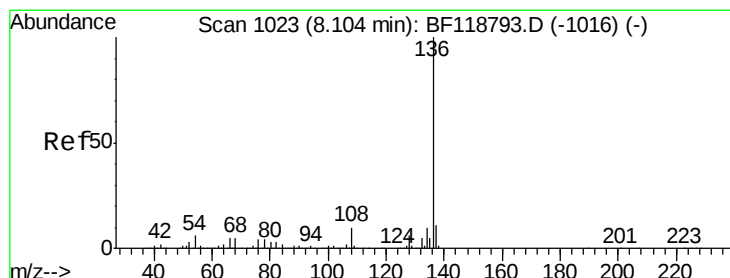
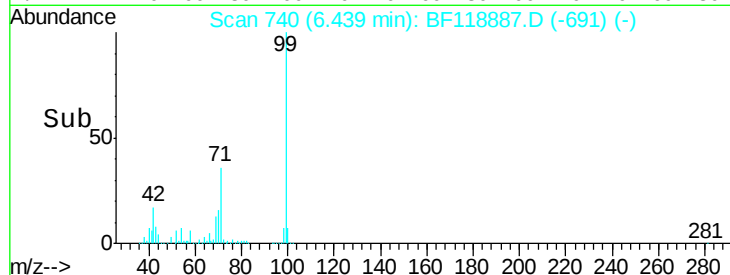
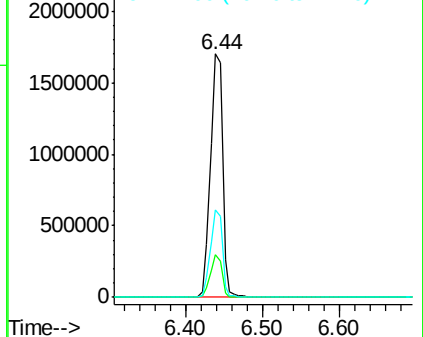
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Tgt Ion: 136 Resp: 757919

Ion Ratio Lower Upper

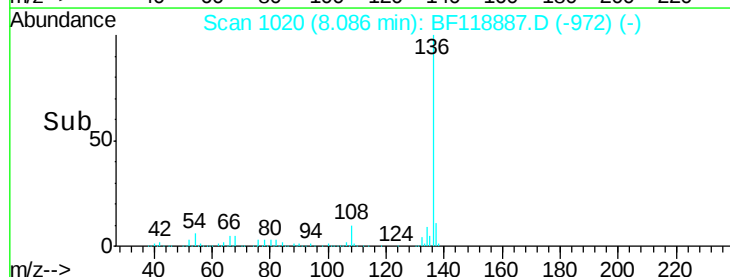
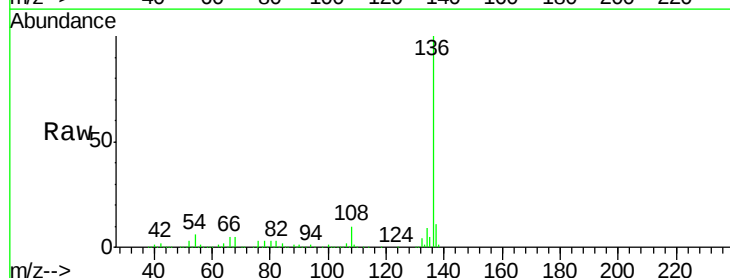
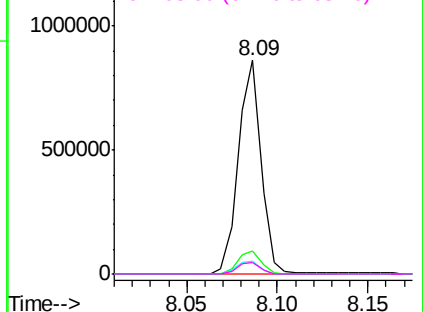
136 100

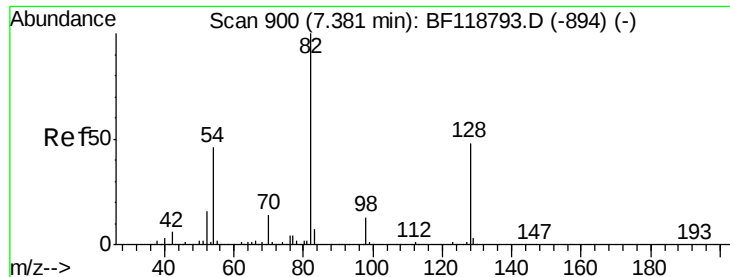
137 10.9 8.7 13.1

54 6.0 5.0 7.6

68 5.3 4.2 6.4

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





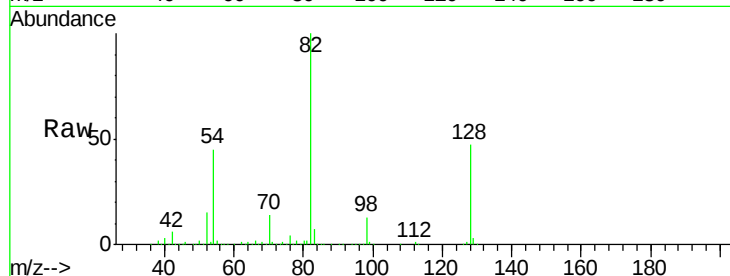
#23
Nitrobenzene-d5
Concen: 93.672 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Instrument :
BNA_F
ClientSampleId :
72-11931

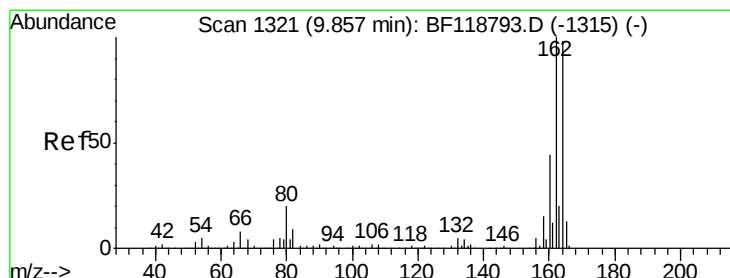
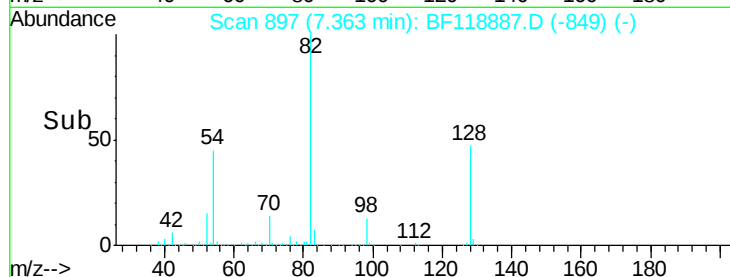
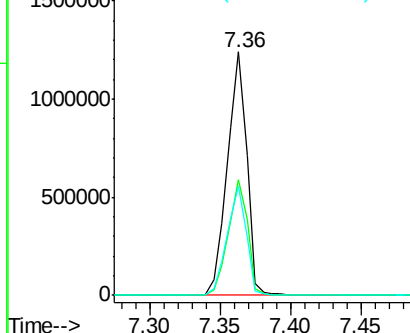
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.5	57.7
54	45.0	36.7	55.1

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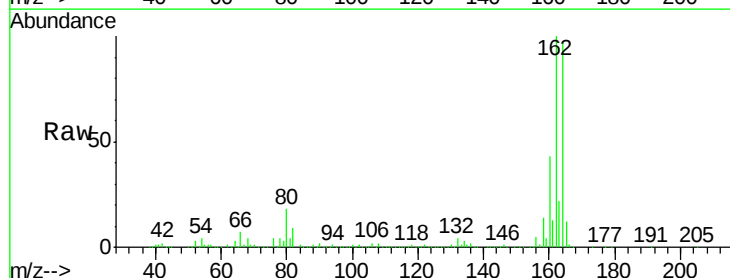


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

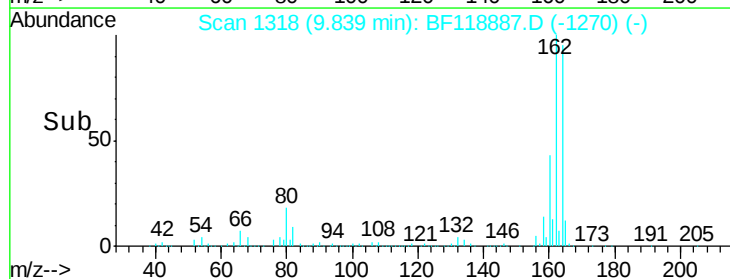
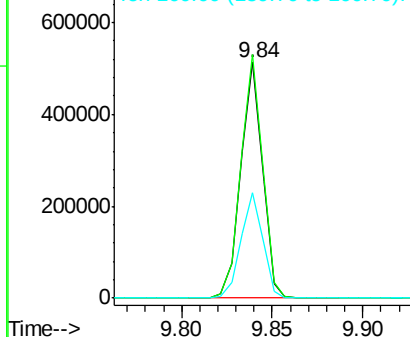


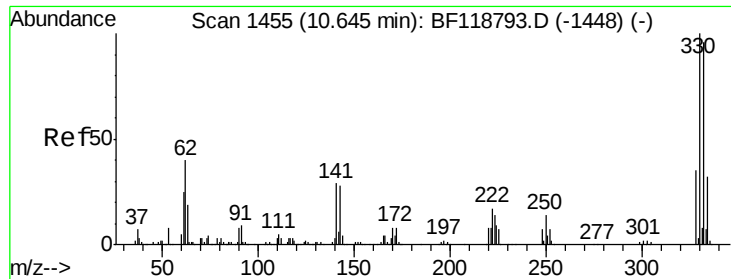
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.4	122.2
160	44.6	35.6	53.4



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





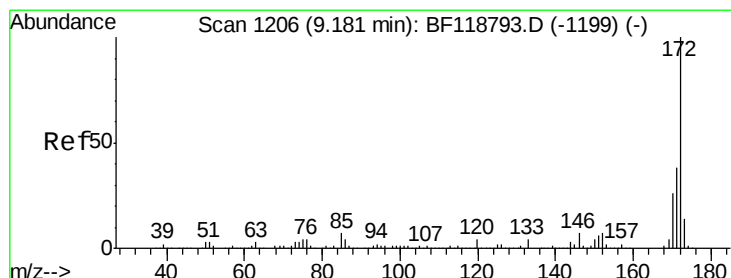
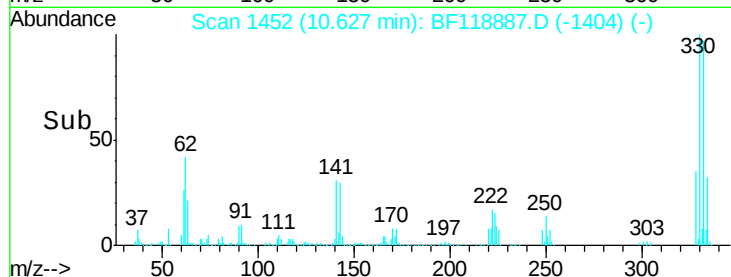
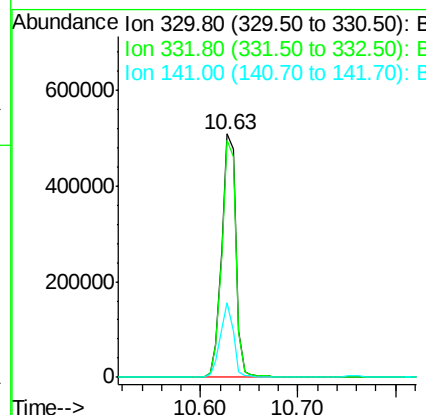
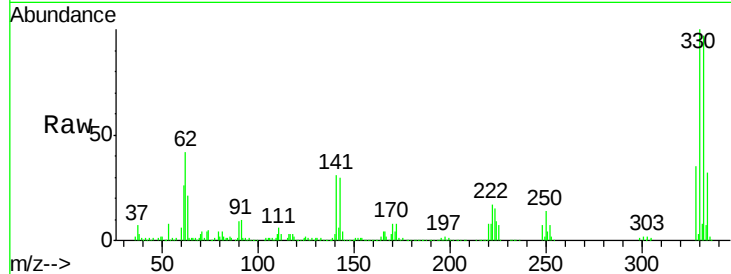
#42
 2,4,6-Tribromophenol
 Concen: 101.320 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF118887.D
 Acq: 11 Feb 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 72-11931

Tot Ion	Ratio	Resp	Lower	Upper
330	100	518521		
332	96.8	77.3	115.9	
141	27.9	22.4	33.6	

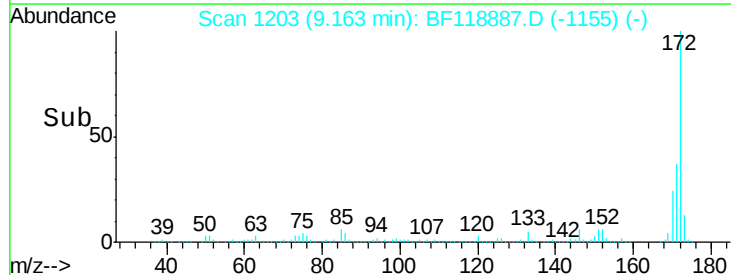
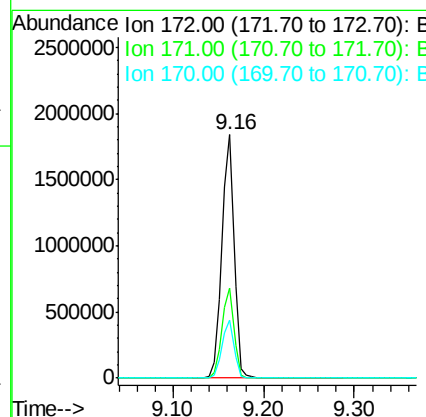
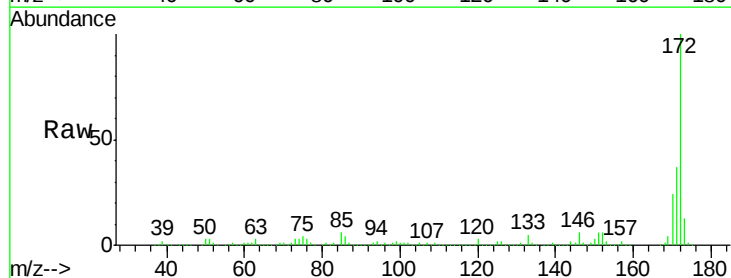
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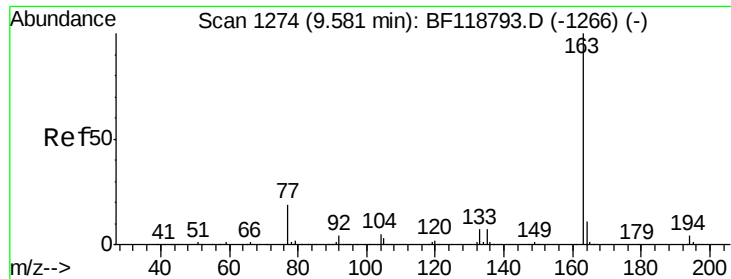
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#45
 2-Fluorobiphenyl
 Concen: 71.220 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118887.D
 Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1703948		
171	37.1	30.8	46.2	
170	24.0	20.5	30.7	





#50

Dimethylphthalate

Concen: 2.983 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.03 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Instrument :

BNA_F

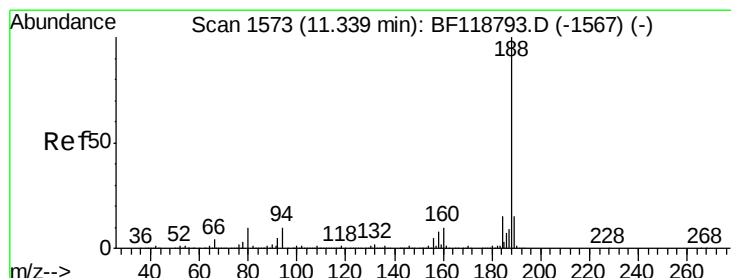
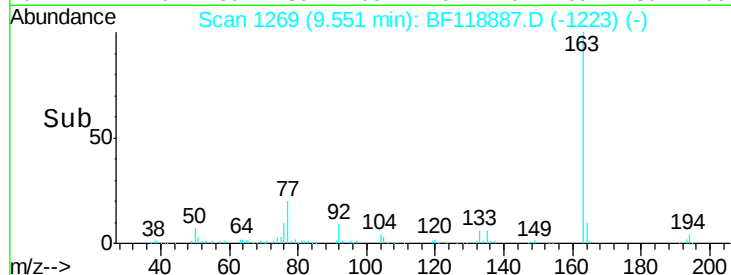
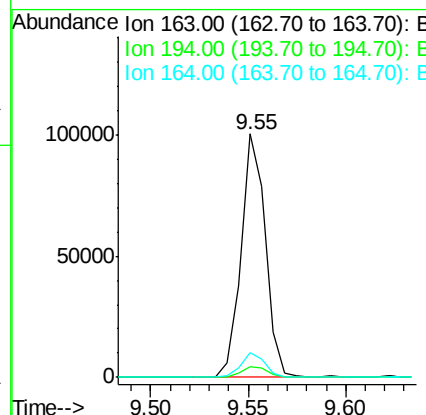
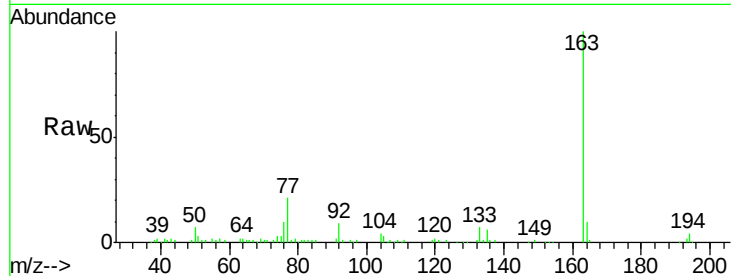
ClientSampled :

72-11931

Tot Ion:	163	Resp:	86865
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.6	5.4
164	10.3	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

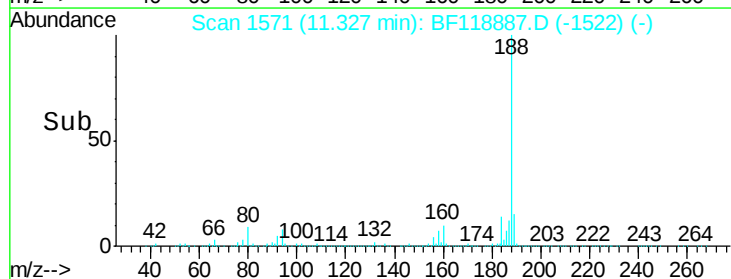
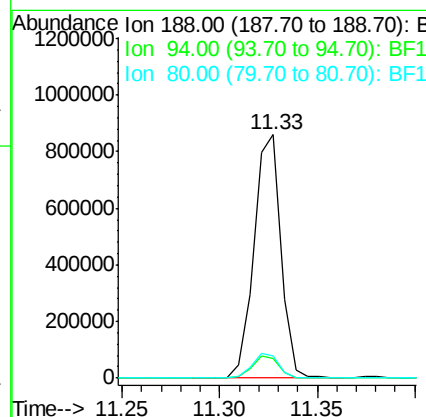
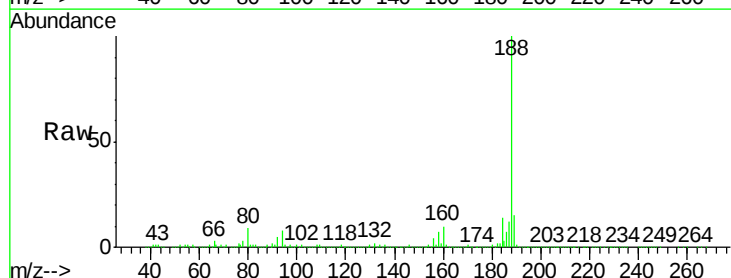
RT: 11.33 min Scan# 1571

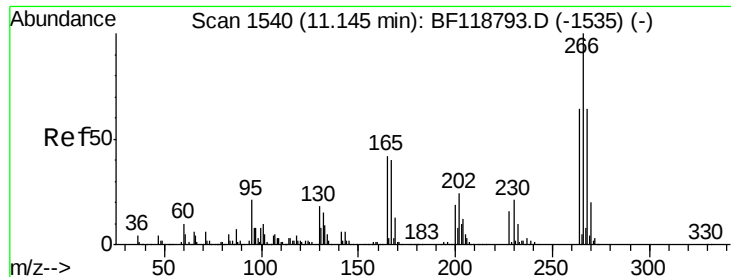
Delta R.T. -0.01 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Tgt Ion:	188	Resp:	822752
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.9	11.9
80	9.0	8.4	12.6





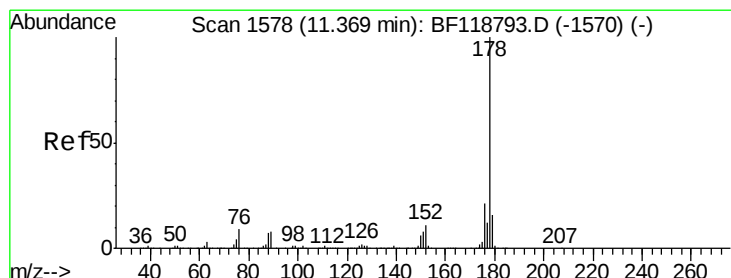
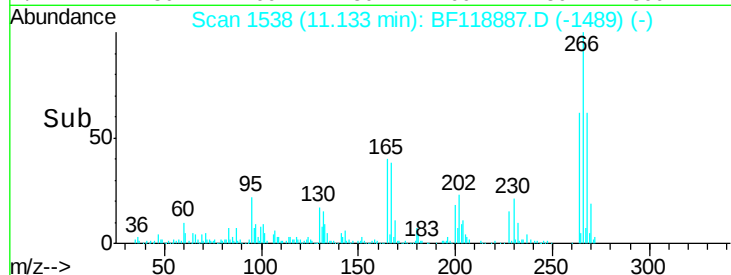
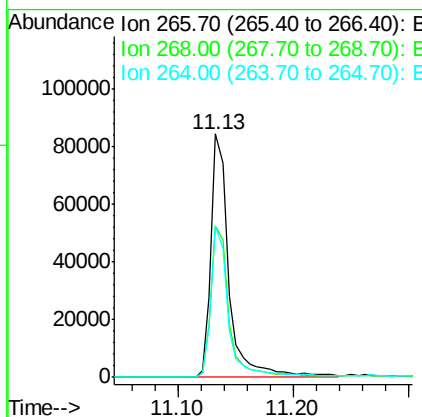
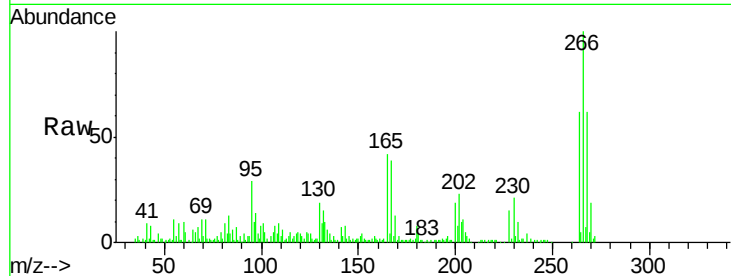
#70
 Pentachlorophenol
 Concen: 15.663 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: BF118887.D
 Acq: 11 Feb 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 72-11931

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.2	51.0	76.6
264	62.5	51.4	77.2

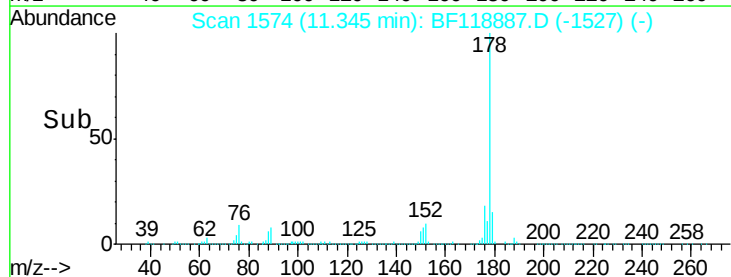
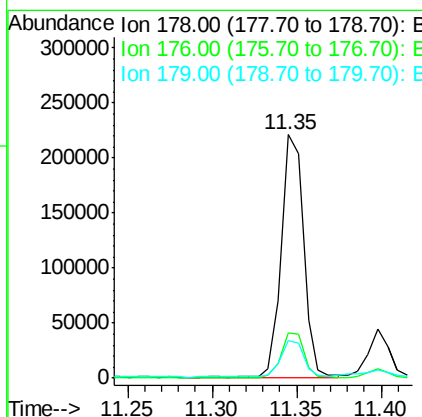
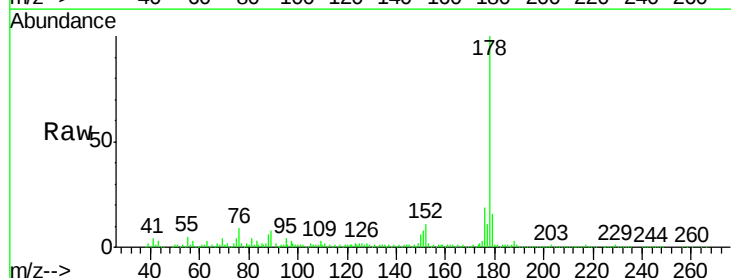
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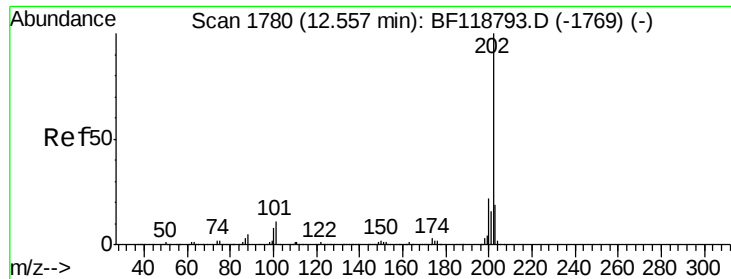
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#71
 Phenanthrene
 Concen: 4.926 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF118887.D
 Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	15.6	13.2	19.8





#75

Fluoranthene

Concen: 13.005 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Instrument :

BNA_F

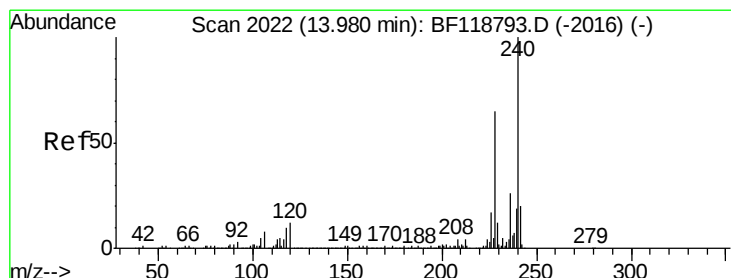
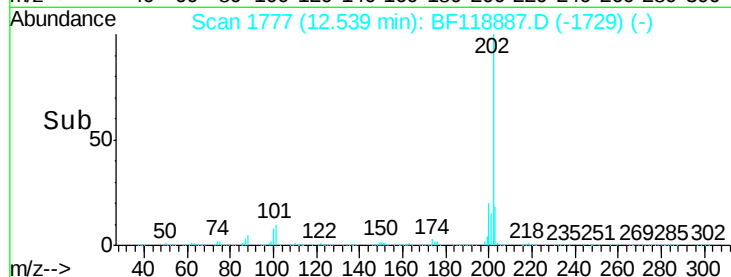
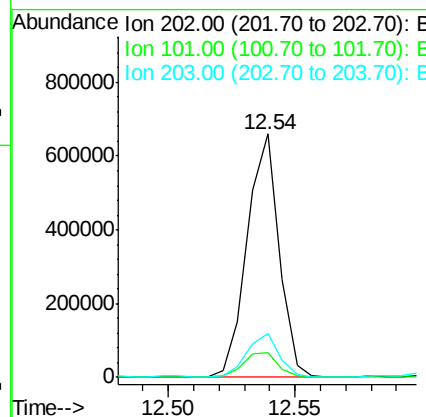
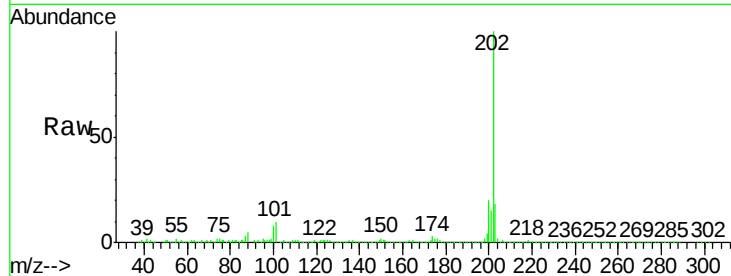
ClientSampleId :

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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	31.0
203	18.1	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

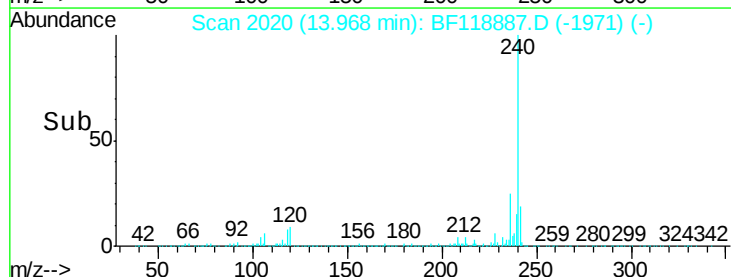
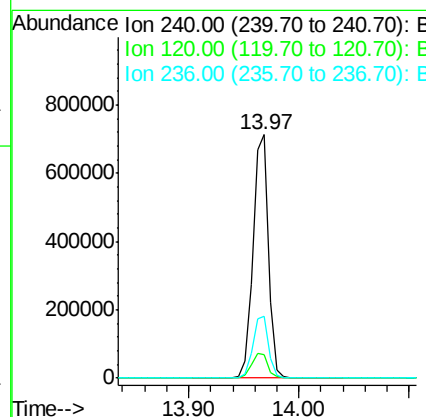
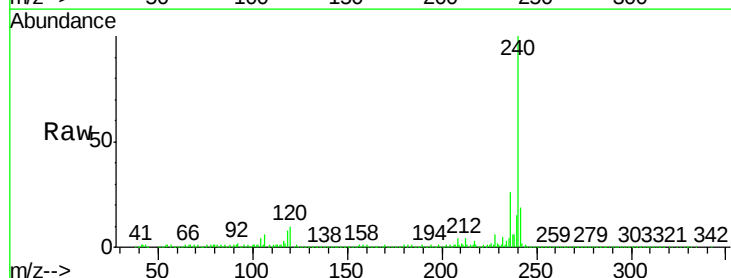
RT: 13.97 min Scan# 2020

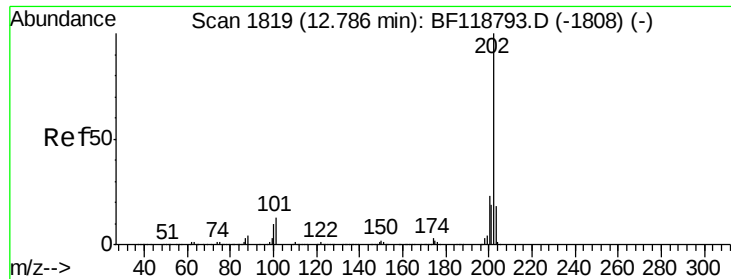
Delta R.T. -0.01 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	9.4	14.0
236	25.5	21.0	31.6





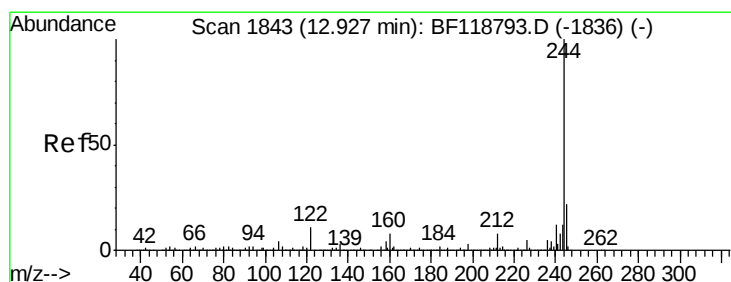
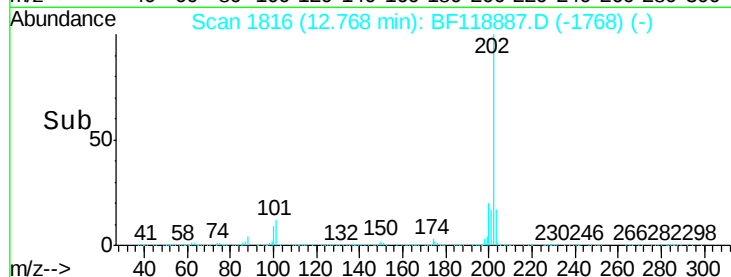
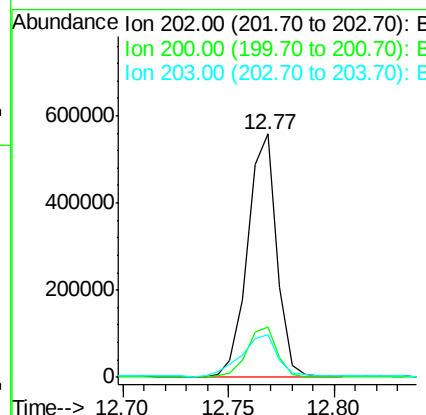
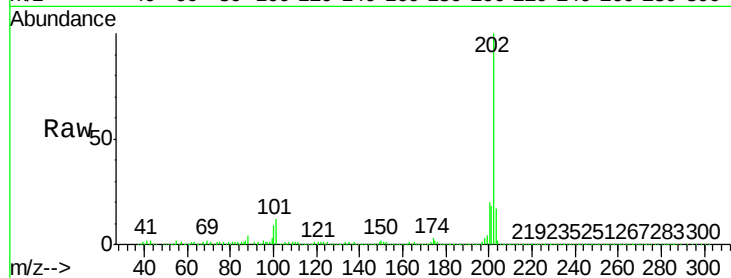
#78
Pvrene
Concen: 11.175 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Instrument :
BNA_F
ClientSampleId :
72-11931

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.2	27.2
203	17.4	14.8	22.2

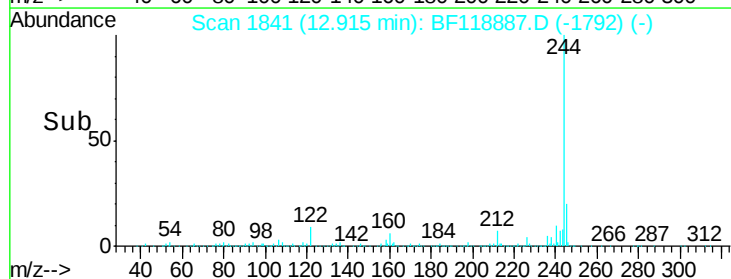
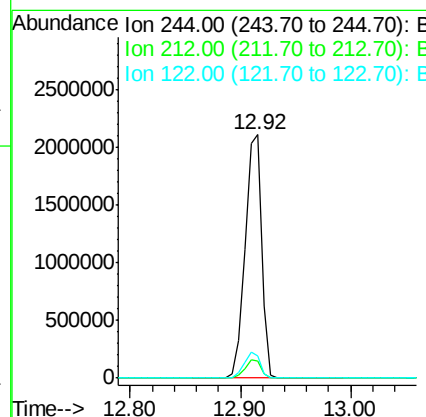
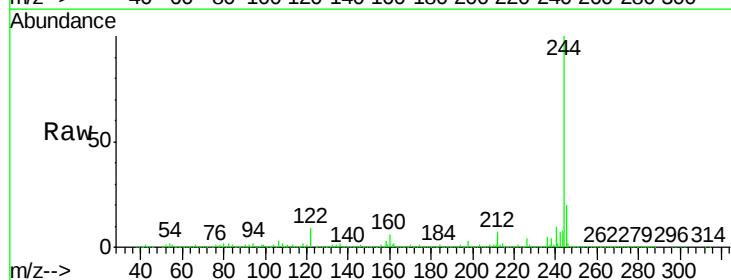
Manual Integrations
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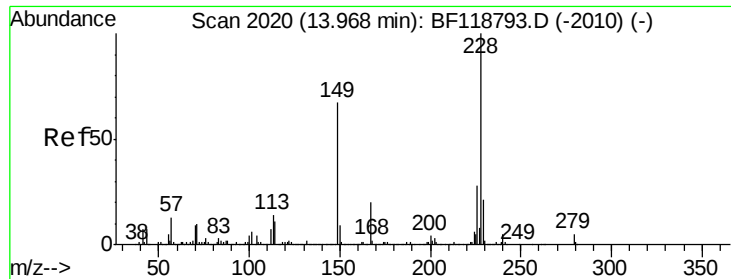
mohammad
2/12/2020 3:50:47 PM



#79
Terphenyl-d14
Concen: 65.579 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	9.0	8.9	13.3





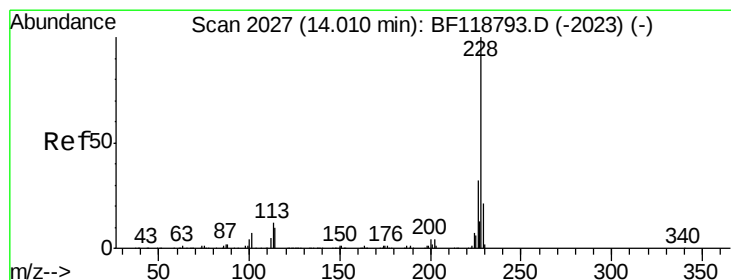
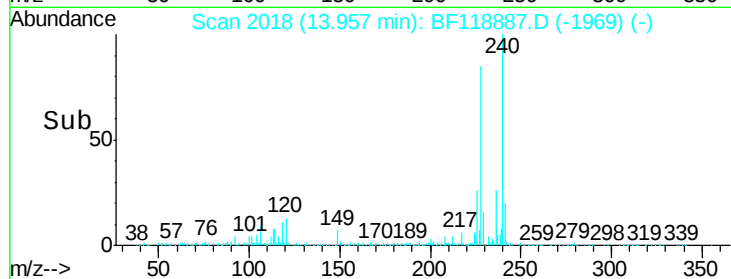
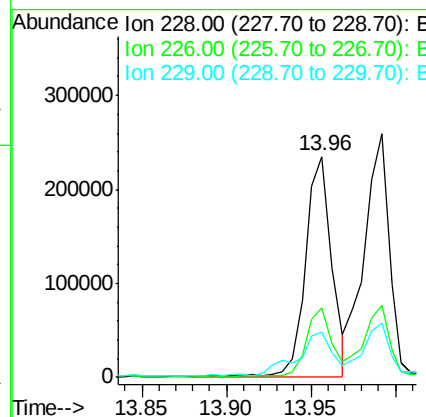
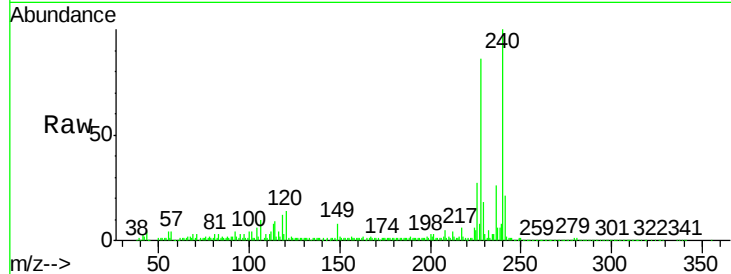
#81
Benzo(a)anthracene
Concen: 6.038 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Instrument :
BNA_F
ClientSampleId :
72-11931

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.7	34.1
229	20.5	16.6	25.0

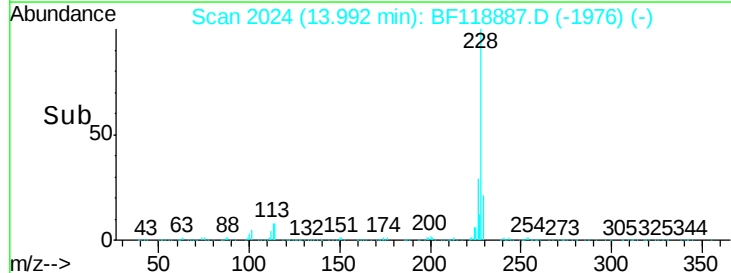
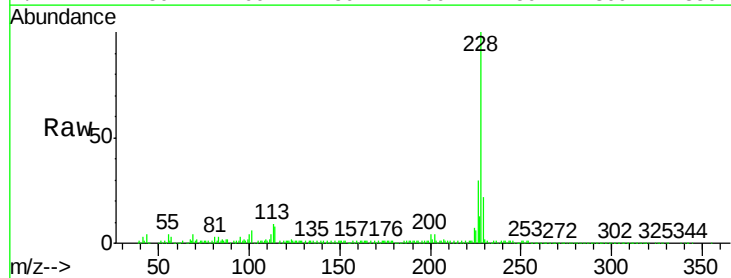
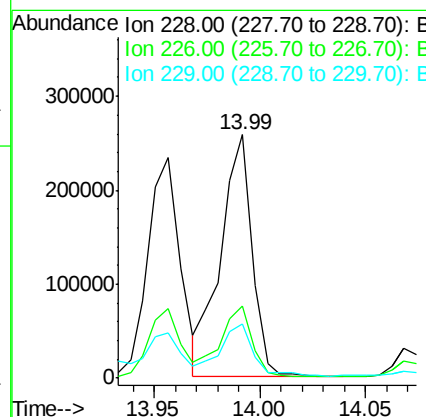
Manual Integrations
APPROVED

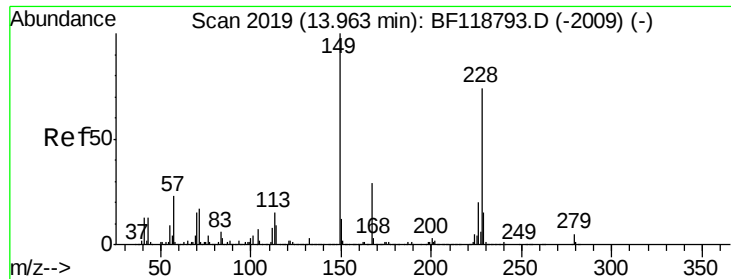
mohammad
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#83
Chrysene
Concen: 6.455 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	22.3	16.9	25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.714 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Instrument :

BNA_F

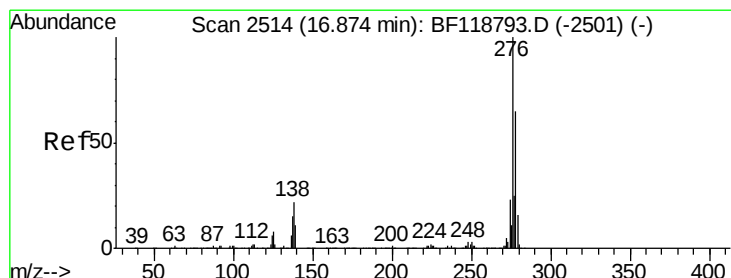
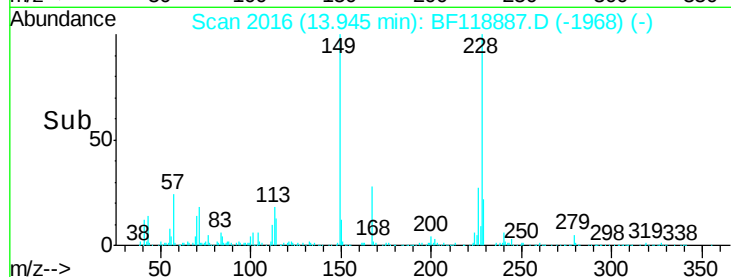
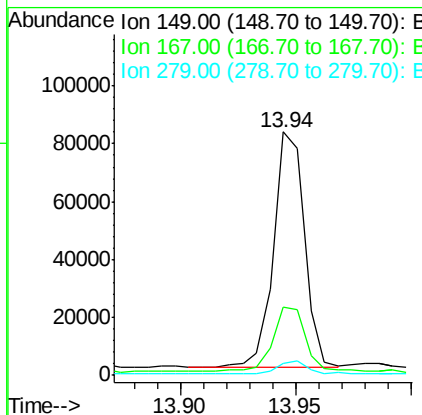
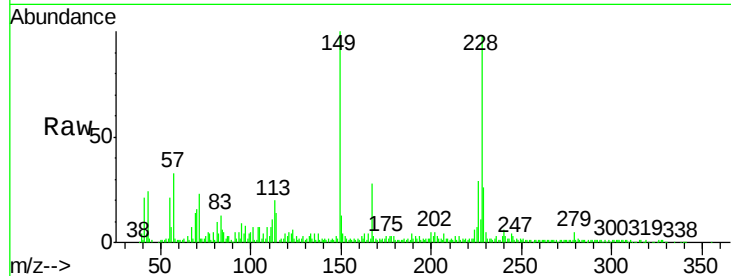
ClientSampleId :

72-11931

Tot Ion:	149	Resp:	74929
Ion Ratio	Lower	Upper	
149	100		
167	28.3	23.0	34.6
279	5.1	4.4	6.6

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 6.226 ng

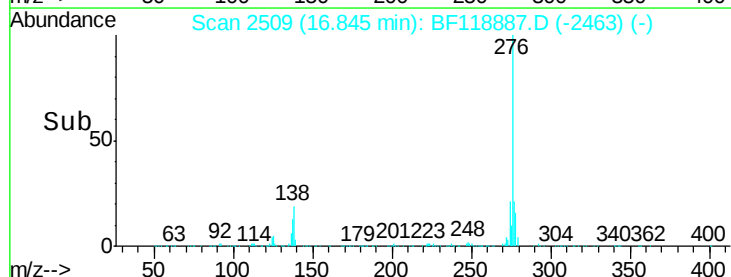
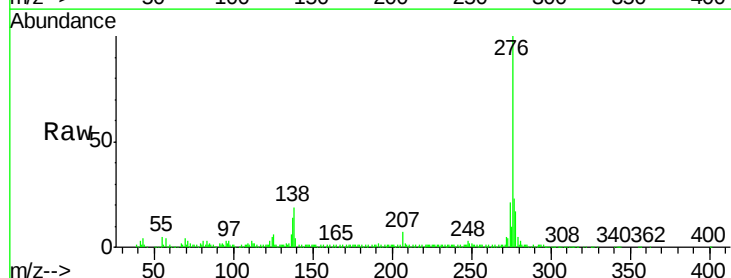
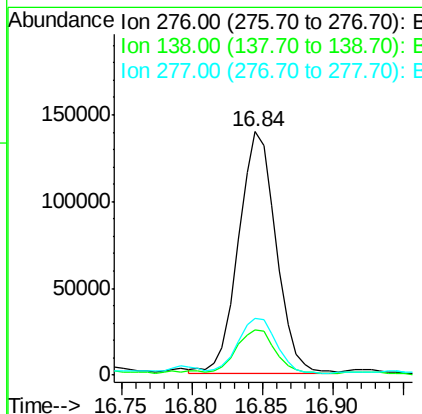
RT: 16.84 min Scan# 2509

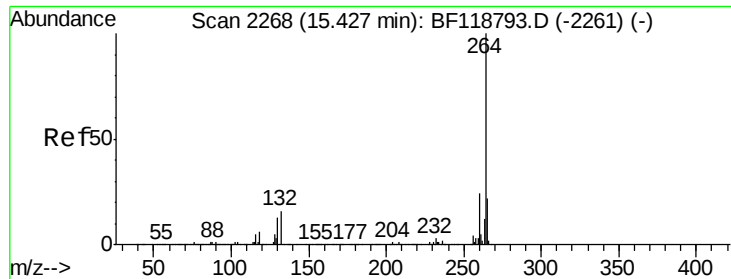
Delta R.T. -0.03 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Tgt Ion:	276	Resp:	259677
Ion Ratio	Lower	Upper	
276	100		
138	18.8	18.3	27.5
277	23.5	20.2	30.4





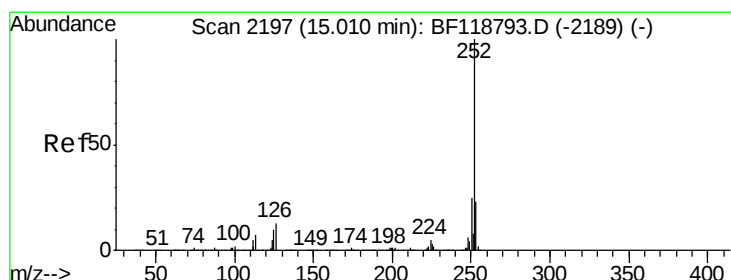
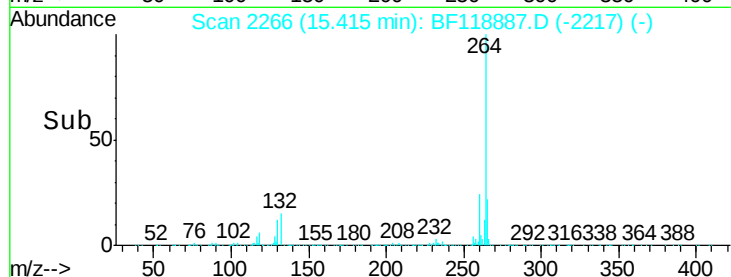
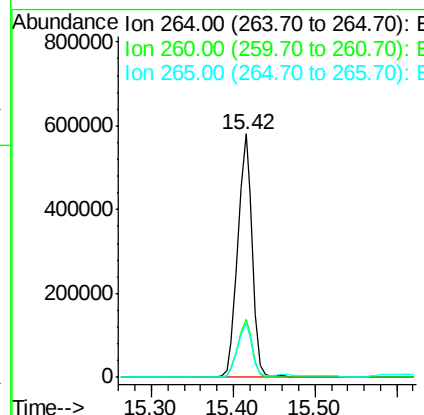
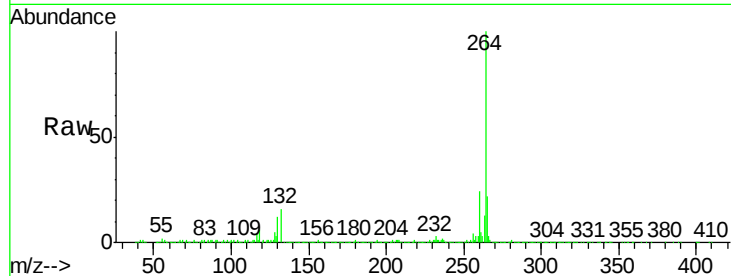
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Instrument :
BNA_F
ClientSampleId :
72-11931

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.0	17.2	25.8

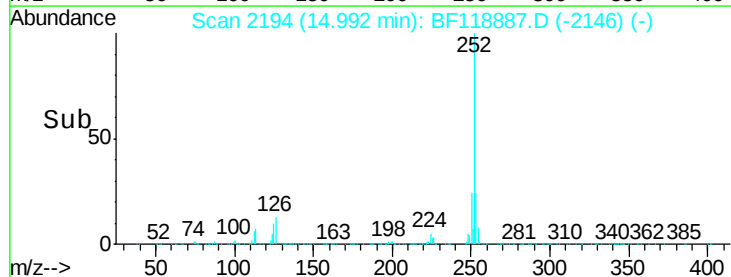
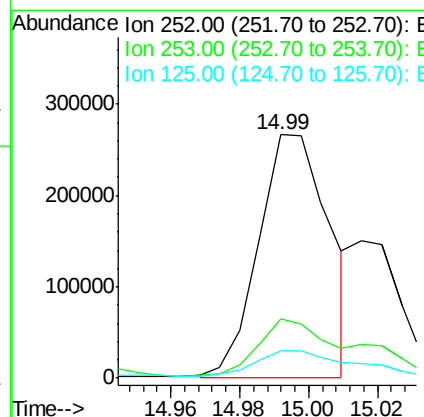
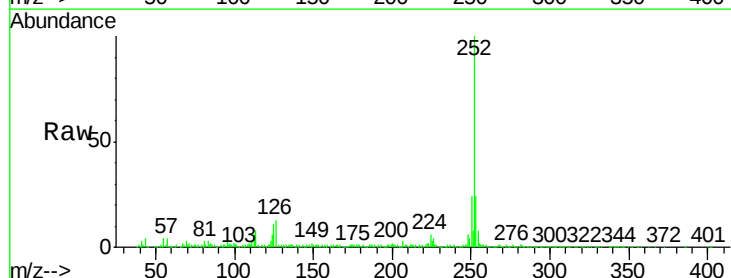
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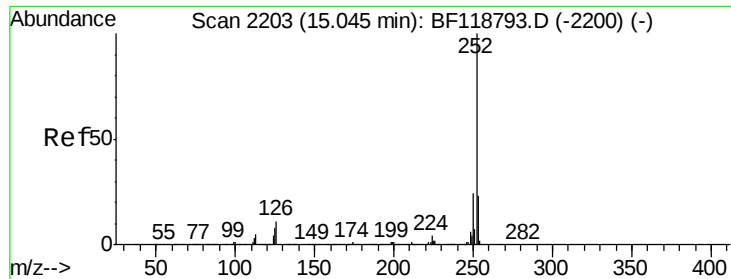
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#88
Benzo(b)fluoranthene
Concen: 8.593 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118887.D
Acq: 11 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	11.2	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 3.751 ng m

RT: 15.02 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Instrument :

BNA_F

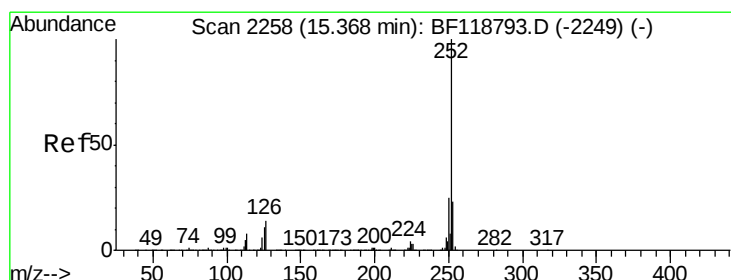
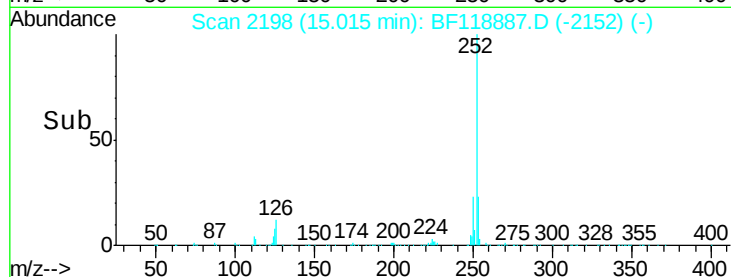
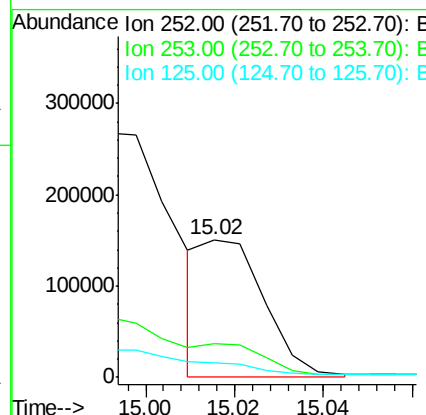
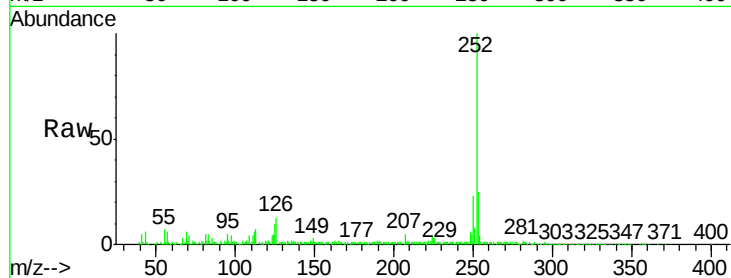
ClientSampleId :

72-11931

Tot Ion:	252	Resp:	145464
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.2	27.4
125	10.3	7.0	10.6

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#90

Benzo(a)pyrene

Concen: 6.867 ng

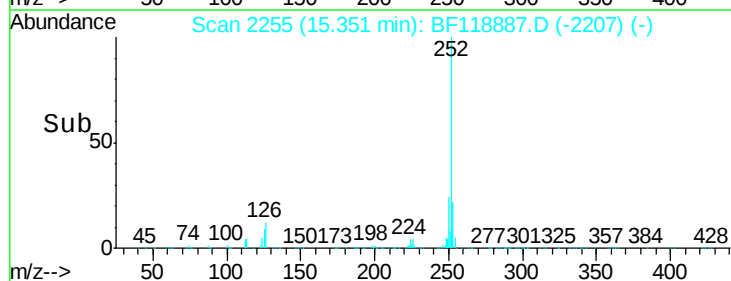
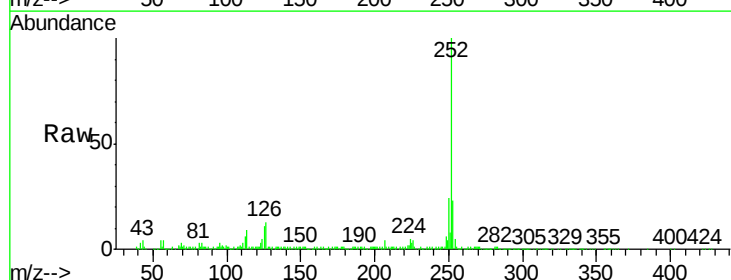
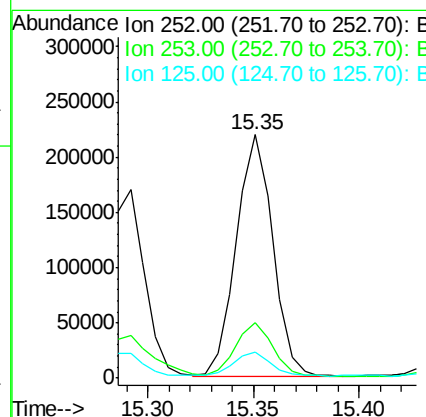
RT: 15.35 min Scan# 2255

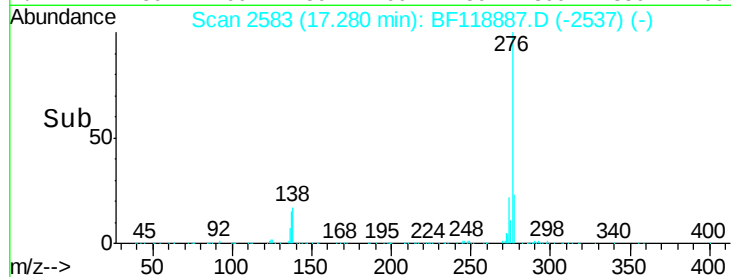
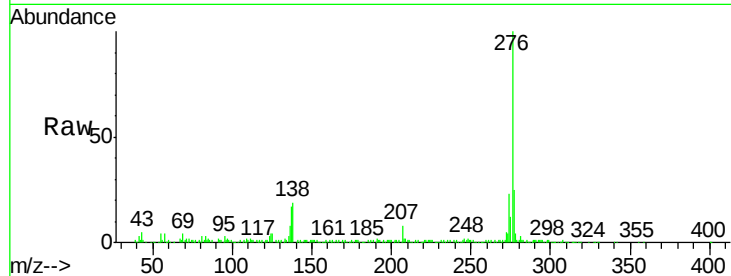
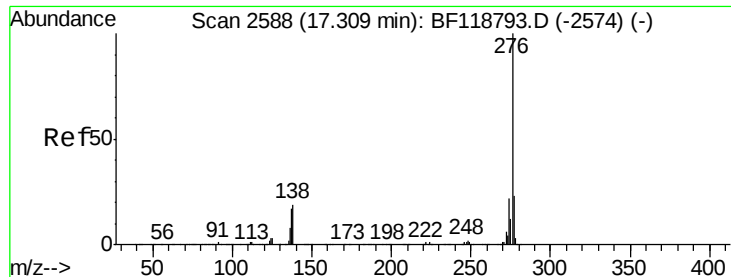
Delta R.T. -0.02 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Tgt Ion:	252	Resp:	261718
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	10.6	8.7	13.1





#92

Benzo(a,h,i)perylene

Concen: 8.172 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.03 min

Lab File: BF118887.D

Acq: 11 Feb 2020 16:42

Tot Ion:	276	Resp:	265914
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.7	28.1
138	18.5	15.4	23.2

Instrument :

BNA_F

ClientSampleId :

72-11931

Manual Integrations
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