

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
 Data File : BF118772.D
 Acq On : 31 Jan 2020 00:47
 Operator : CG/JU
 Sample : L1319-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-01-A

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Quant Time: Jan 31 02:20:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	239809	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	886412	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	445716	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	768969	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	649532	20.00	ng	-0.02
87) Perylene-d12	15.47	264	663695	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1493158	115.64	ng	-0.02
7) Phenol-d6	6.47	99	1835751	109.39	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1213209	76.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	575435	111.62	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2249722	82.96	ng	-0.02
79) Terphenyl-d14	12.95	244	2425195	81.44	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	73535	2.532	ng	99
71) Phenanthrene	11.39	178	487042	13.128	ng	98
72) Anthracene	11.44	178	90635	2.469	ng	97
75) Fluoranthene	12.58	202	661503	16.906	ng	97
78) Pyrene	12.81	202	597972	13.560	ng	97
81) Benzo(a)anthracene	14.00	228	304598	7.796	ng	99
83) Chrysene	14.03	228	297212	7.937	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	117760	5.341	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	118821	3.652	ng	97
88) Benzo(b)fluoranthene	15.04	252	382133m	9.160	ng	
89) Benzo(k)fluoranthene	15.07	252	89832m	2.324	ng	
90) Benzo(a)pyrene	15.40	252	242436	6.737	ng	96
92) Benzo(a,h,i)perylene	17.36	276	106763	3.454	ng	98

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

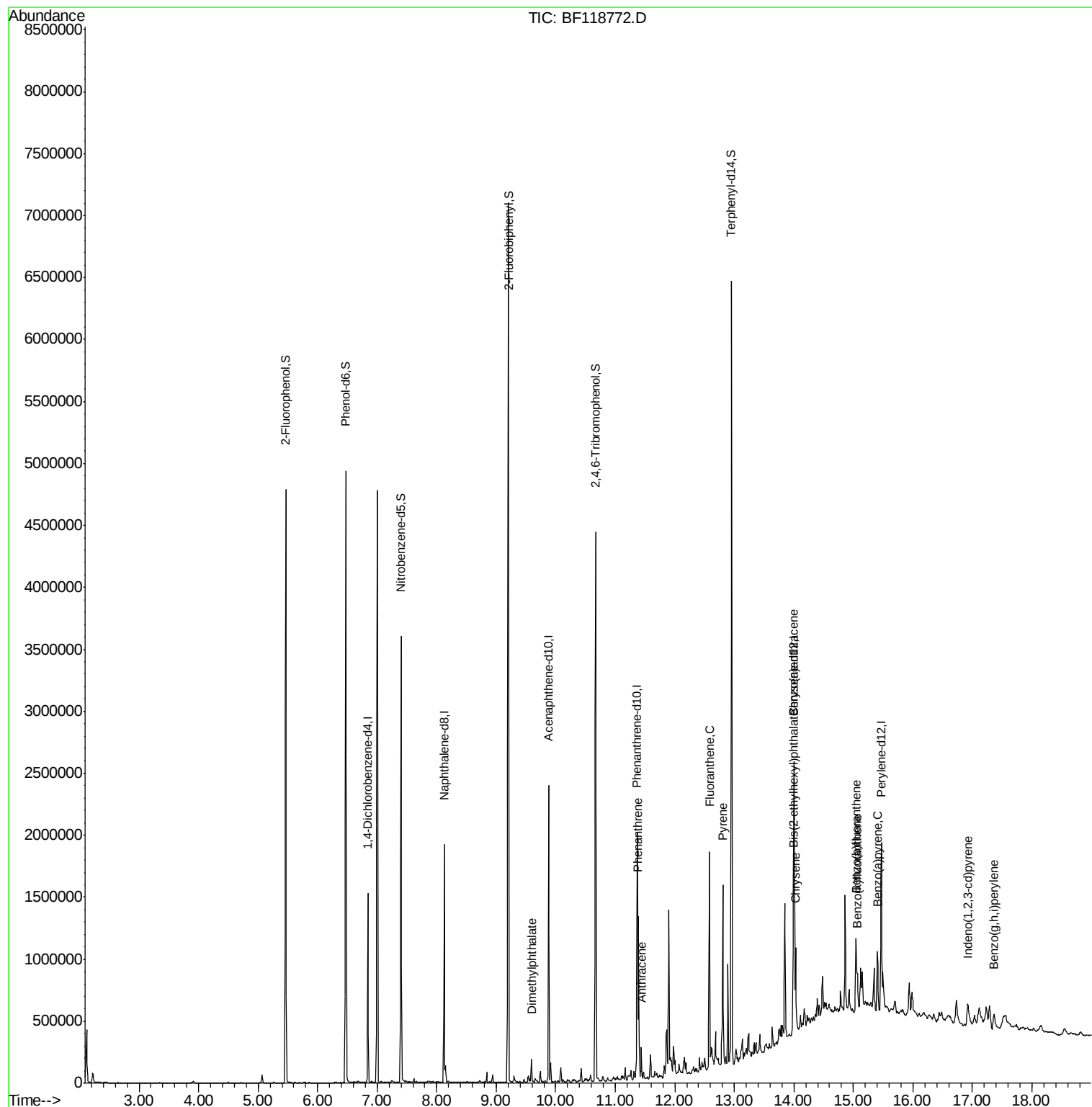
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
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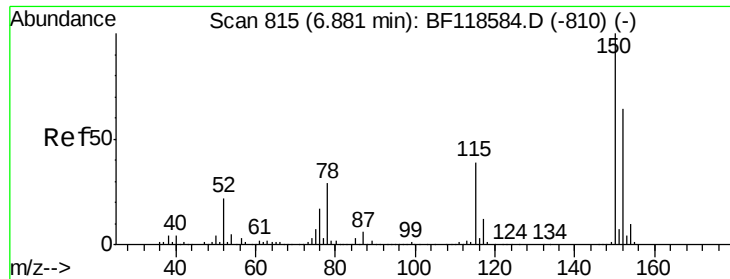
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

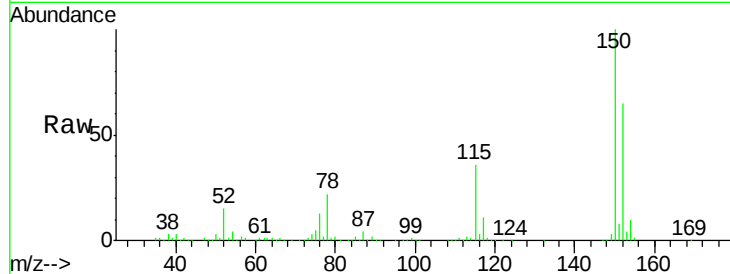
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

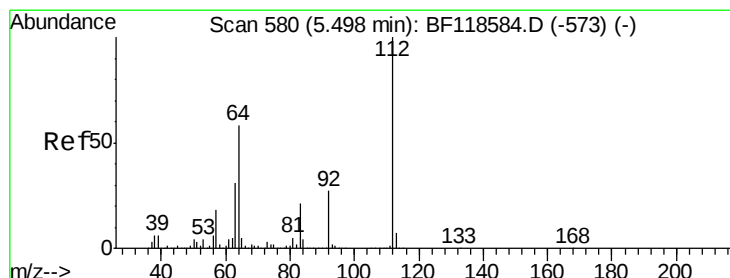
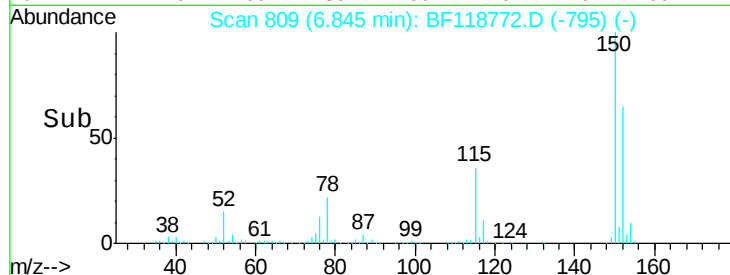
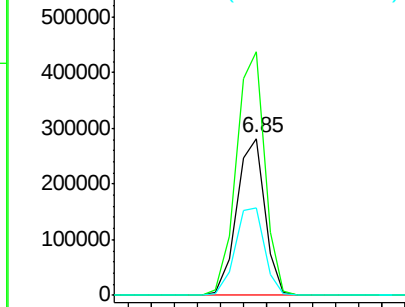
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.7	185.5
115	56.0	45.1	67.7

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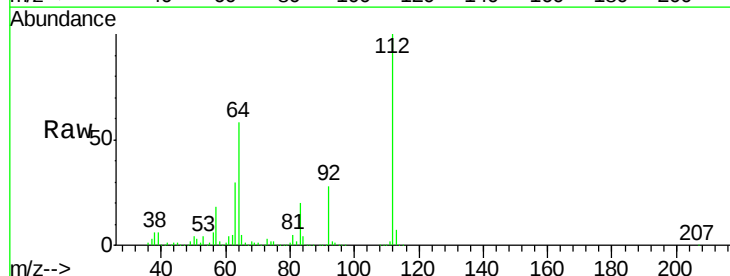
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



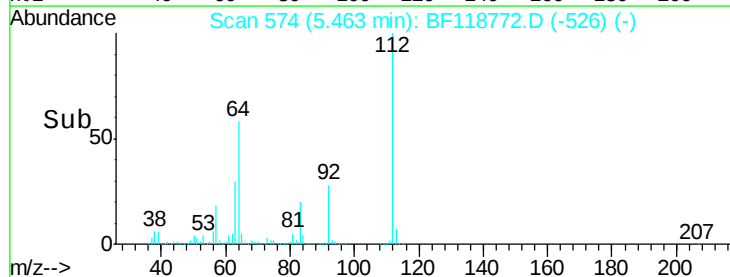
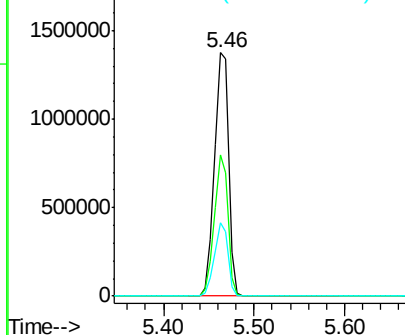
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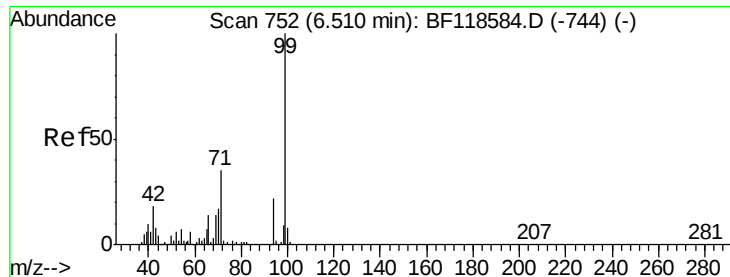
2-Fluorophenol
Concen: 115.641 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.4	63.6
63	30.2	21.7	32.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.386 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-01-A

Tot Ion: 99 Resp: 1835751

Ion Ratio Lower Upper

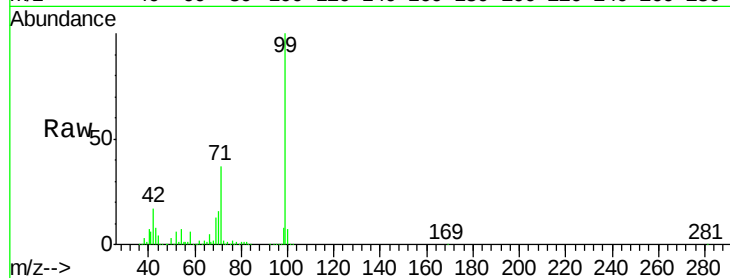
99 100

42 17.0 13.1 19.7

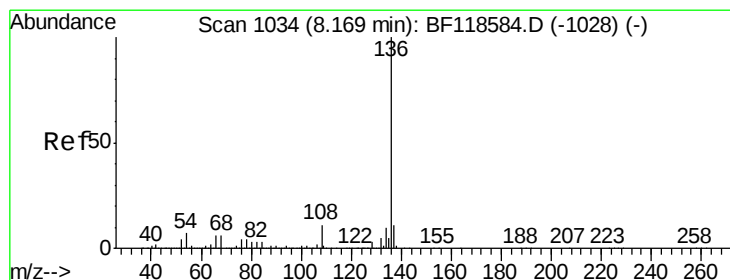
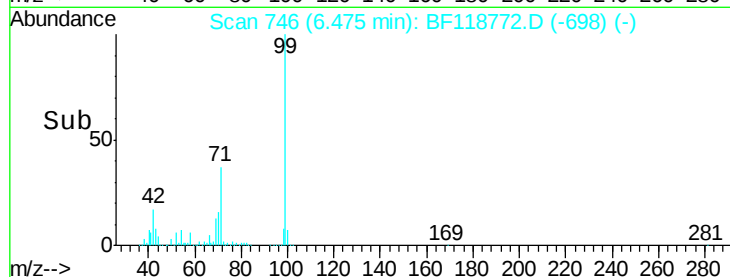
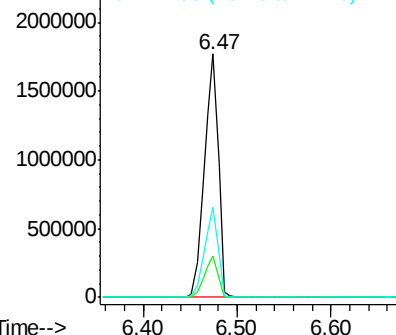
71 36.8 28.4 42.6

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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: 8.13 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Tgt Ion: 136 Resp: 886412

Ion Ratio Lower Upper

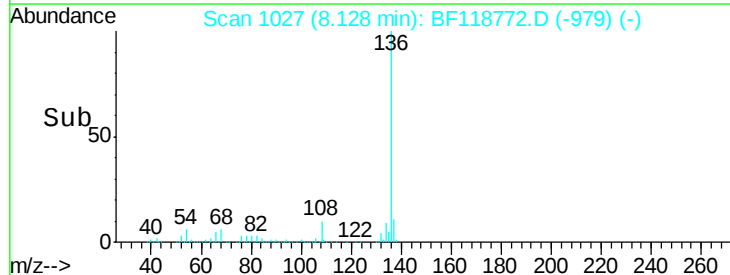
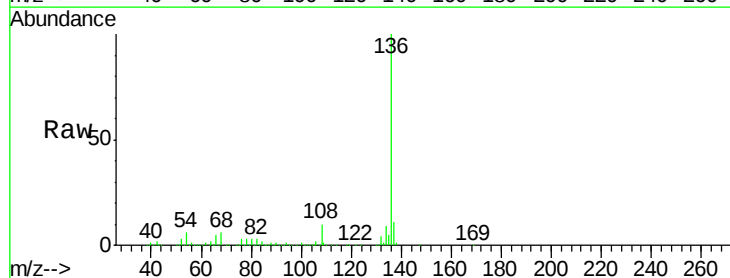
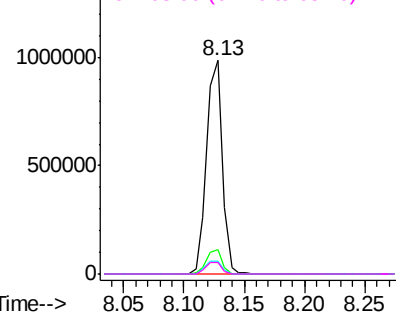
136 100

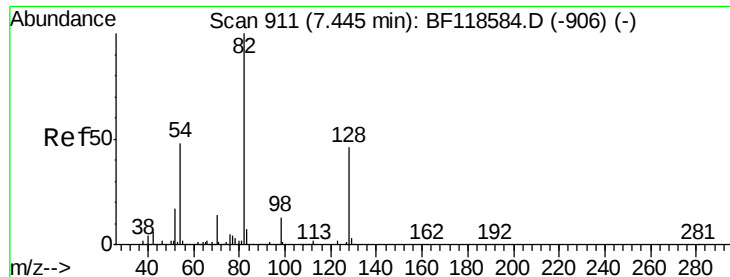
137 11.2 8.9 13.3

54 6.1 5.1 7.7

68 5.7 4.3 6.5

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





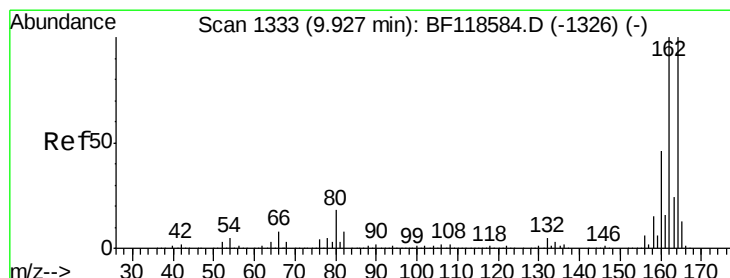
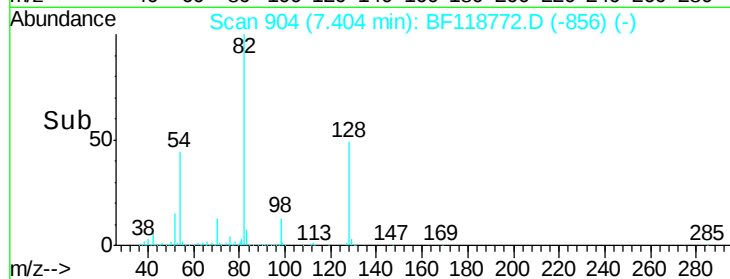
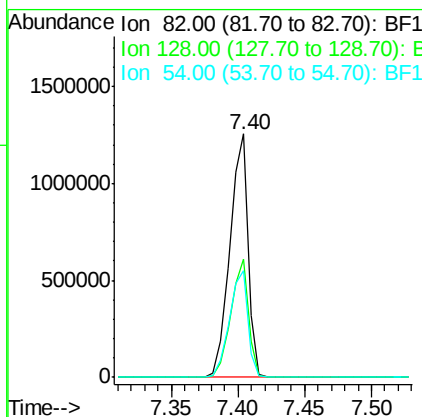
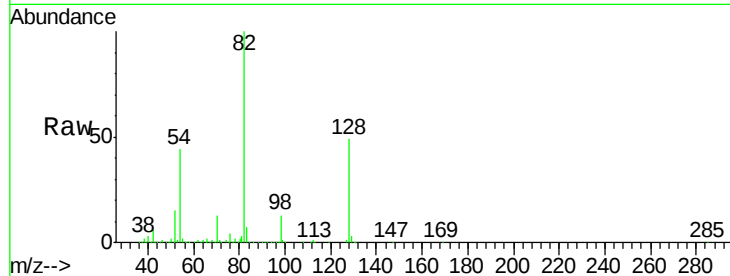
#23
 Nitrobenzene-d5
 Concen: 76.555 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.02 min
 Lab File: BF118772.D
 Acq: 31 Jan 2020 00:47

Instrument :
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Tot Ion	82	Resp	1213209
Ion Ratio	100	Lower	Upper
82	100		
128	48.8	38.2	57.2
54	43.8	36.1	54.1

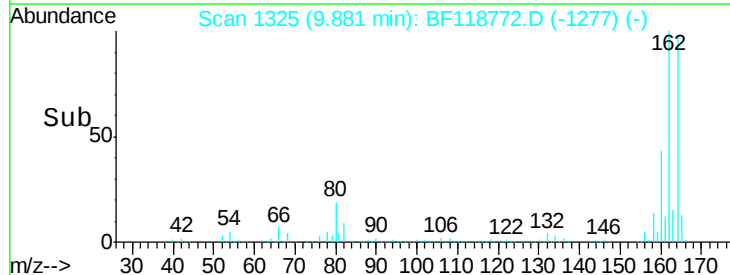
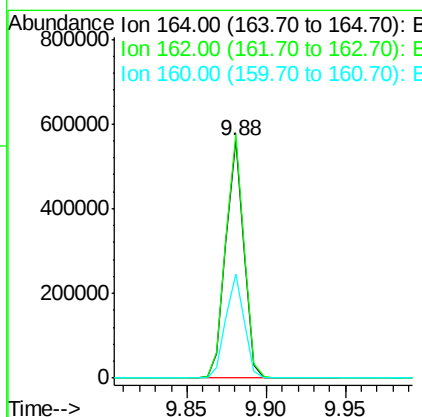
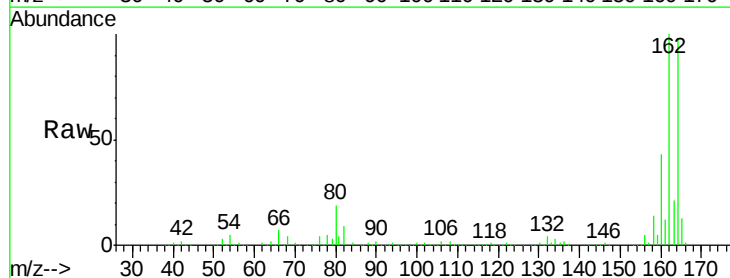
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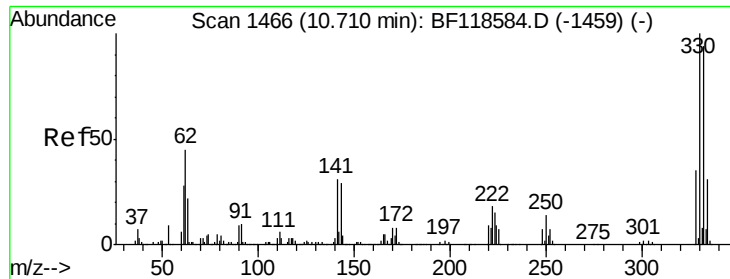
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BF118772.D
 Acq: 31 Jan 2020 00:47

Tgt Ion	164	Resp	445716
Ion Ratio	100	Lower	Upper
164	100		
162	102.2	80.8	121.2
160	43.9	35.4	53.0





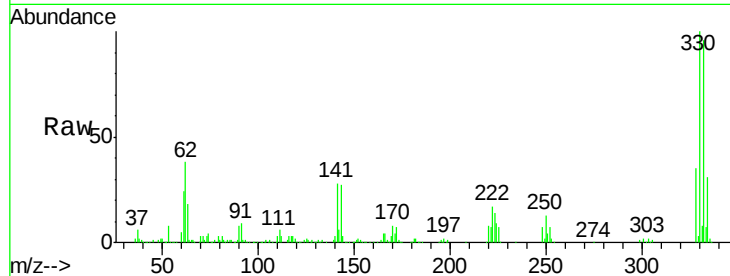
#42
 2,4,6-Tribromophenol
 Concen: 111.621 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF118772.D
 Acq: 31 Jan 2020 00:47

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-01-A

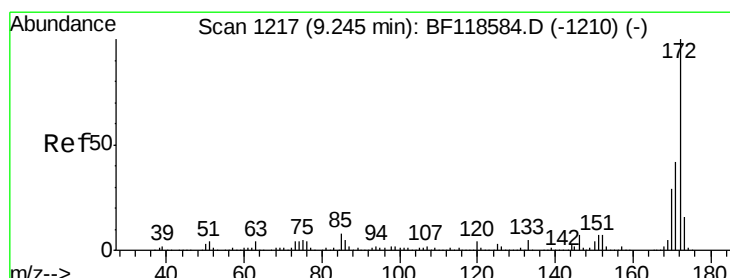
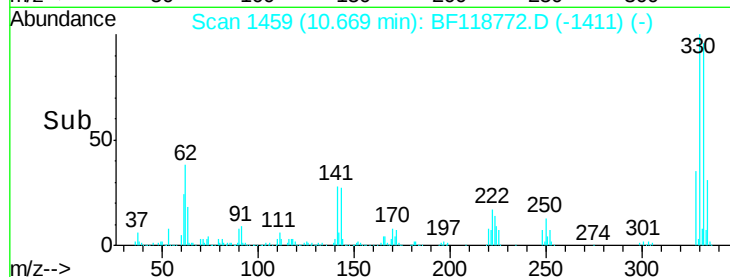
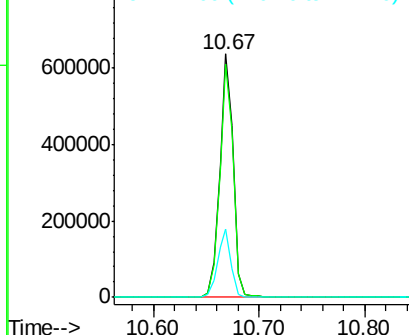
Tot Ion	Ratio	Resp	Lower	Upper
330	100	575435		
332	96.0		77.6	116.4
141	28.0		22.2	33.2

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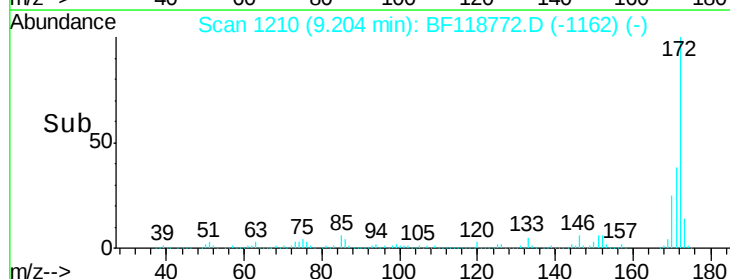
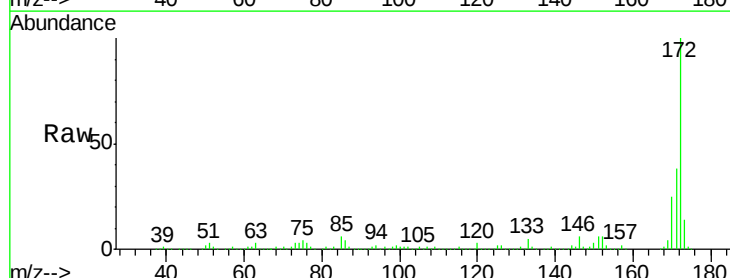
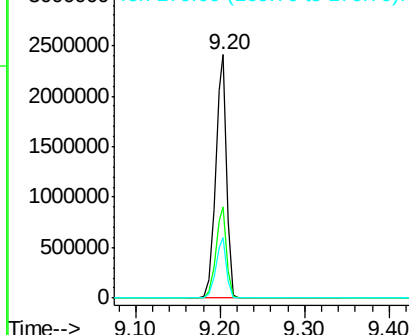
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

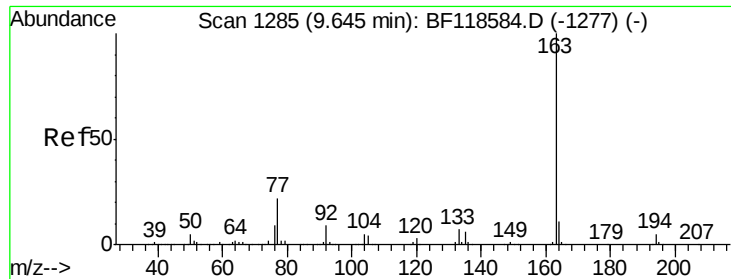


#45
 2-Fluorobiphenyl
 Concen: 82.960 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF118772.D
 Acq: 31 Jan 2020 00:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2249722		
171	37.7		31.0	46.4
170	25.1		20.7	31.1

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





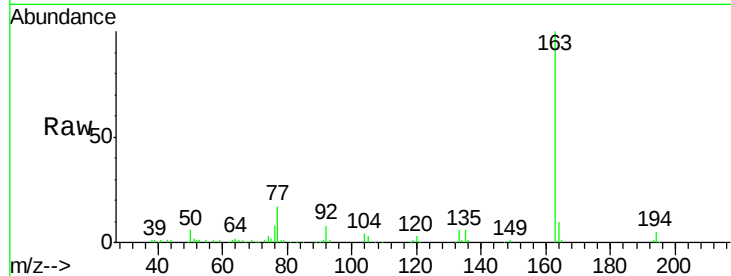
#50
Dimethylphthalate
Concen: 2.532 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

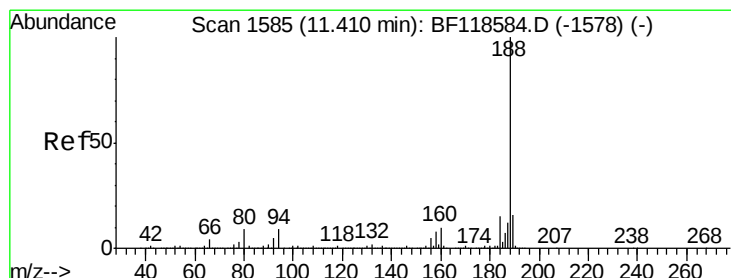
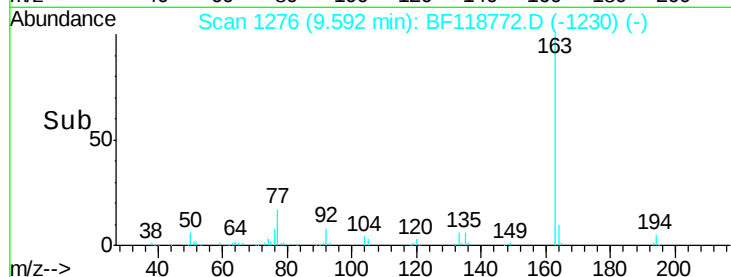
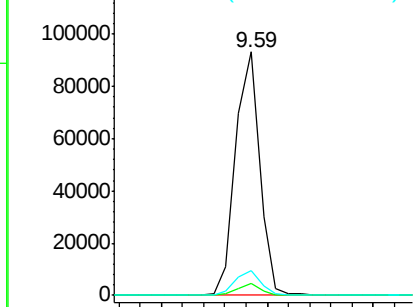
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.7	5.5
164	10.0	8.2	12.2

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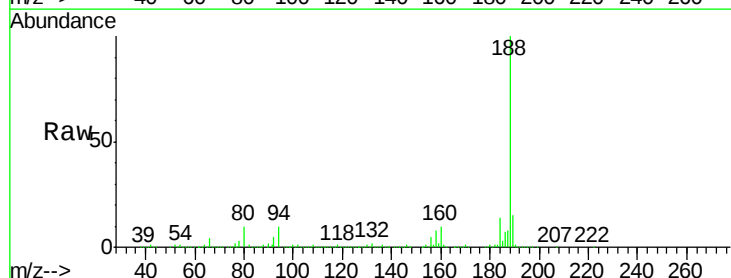


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

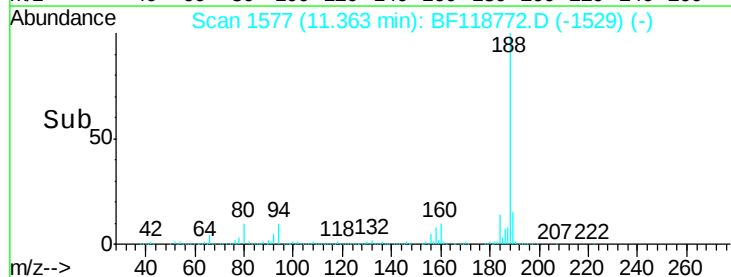
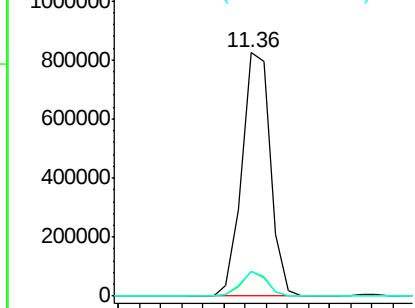


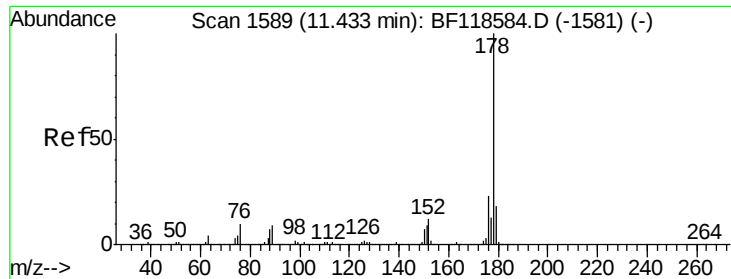
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.3	7.8	11.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





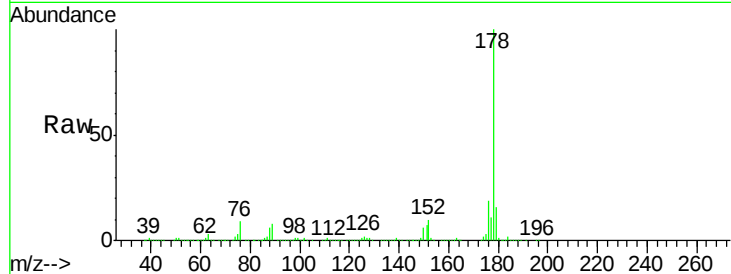
#71
Phenanthrene
Concen: 13.128 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

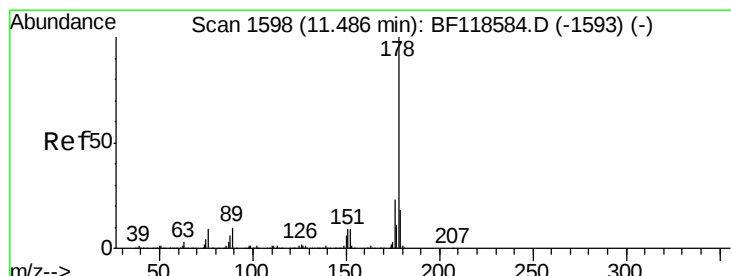
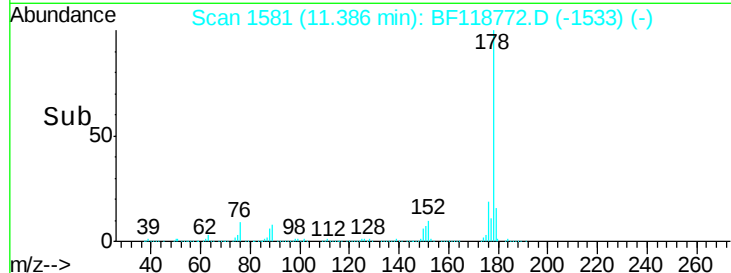
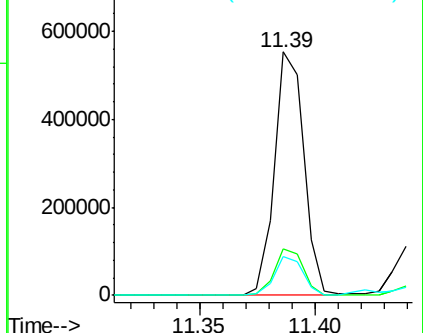
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.5	24.7
179	16.0	13.3	19.9

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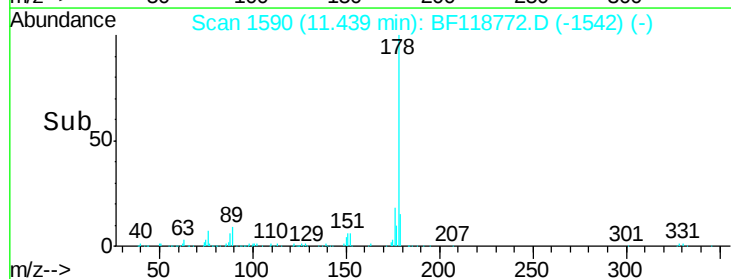
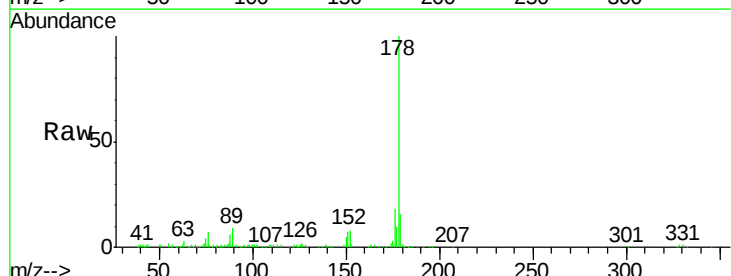
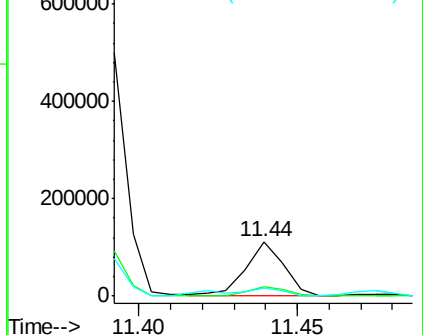
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

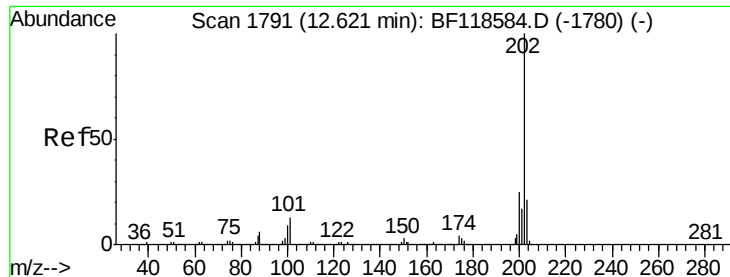


#72
Anthracene
Concen: 2.469 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.6	13.3	19.9

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: 16.906 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA_F

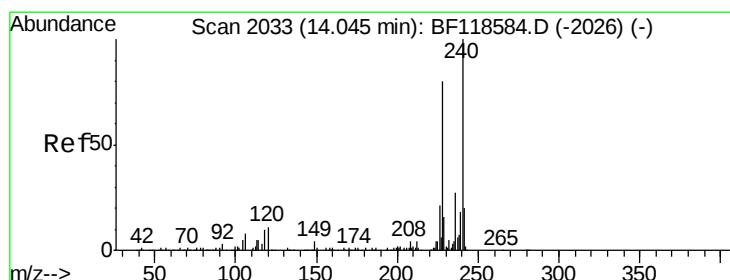
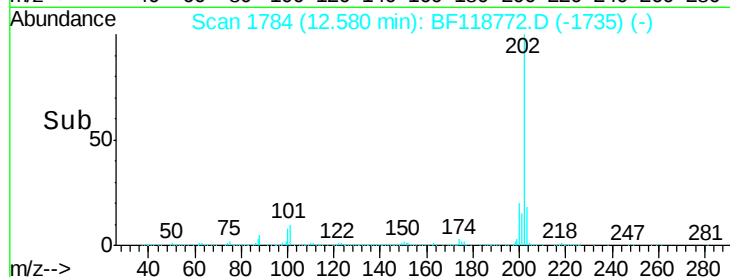
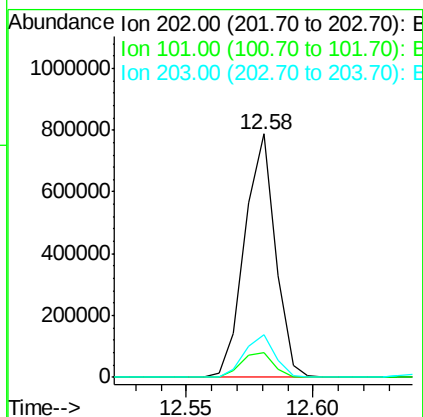
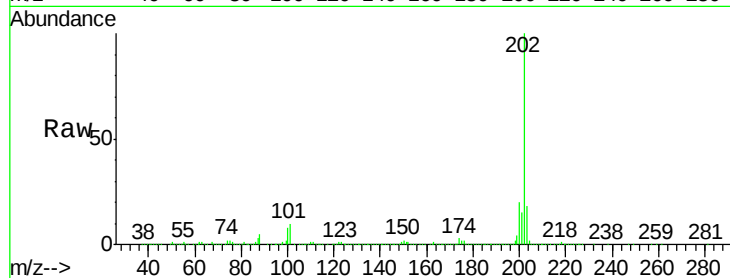
ClientSampleId :

RAINEY-PARK-BH-01-A

Tot Ion:	202	Resp:	661503
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	32.1
203	17.6	0.0	38.9

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#76

Chrysene-d12

Concen: 20.000 ng

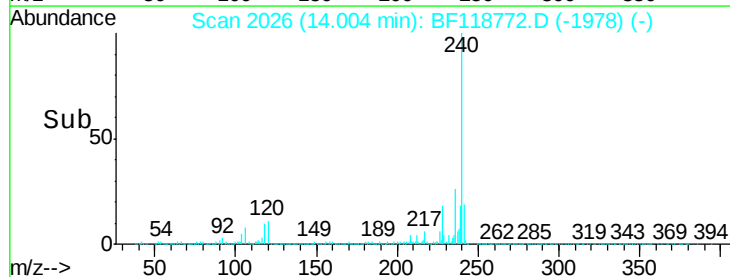
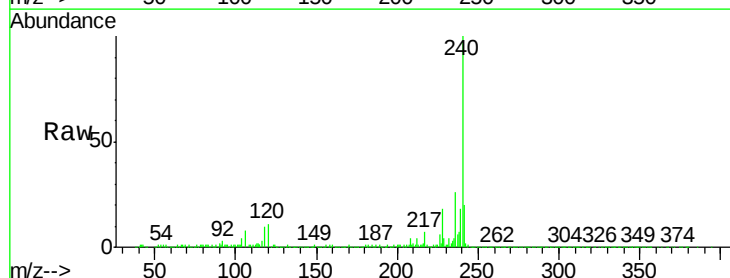
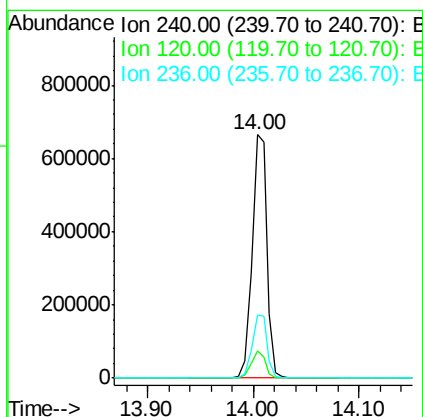
RT: 14.00 min Scan# 2026

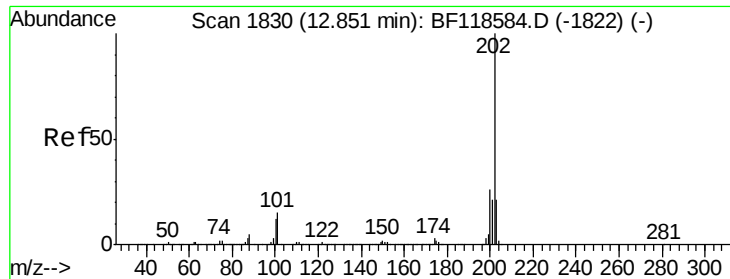
Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Tgt Ion:	240	Resp:	649532
Ion Ratio	Lower	Upper	
240	100		
120	11.1	7.6	11.4
236	26.2	21.0	31.4





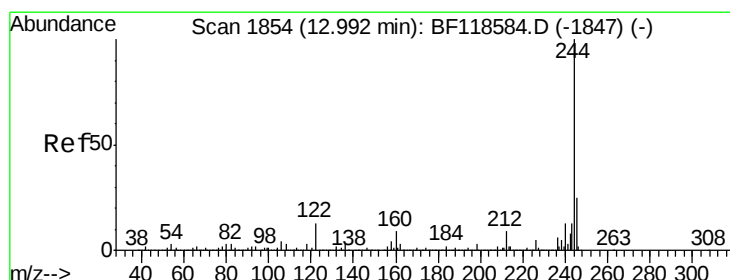
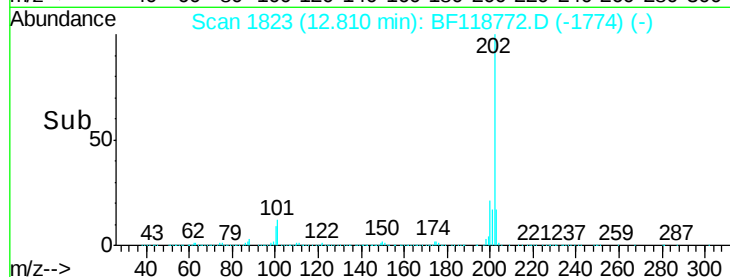
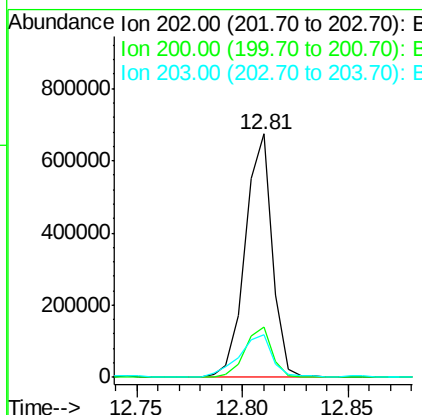
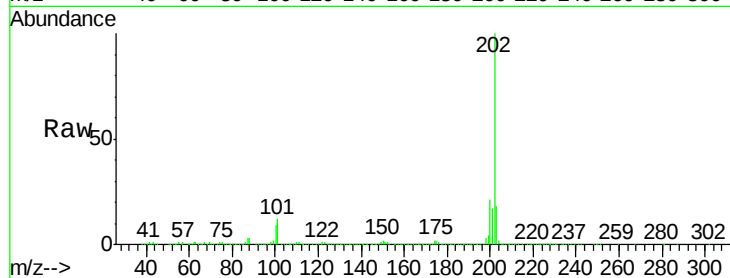
#78
Pvrene
Concen: 13.560 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.1	27.1
203	17.6	15.2	22.8

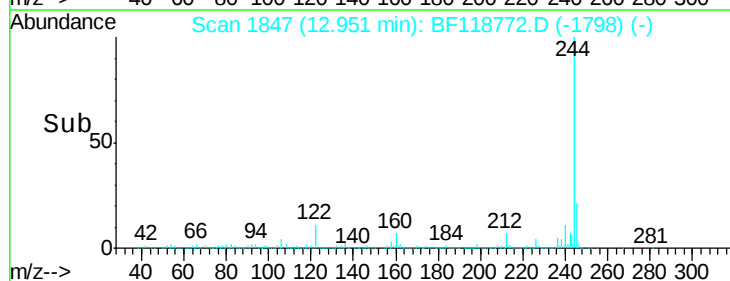
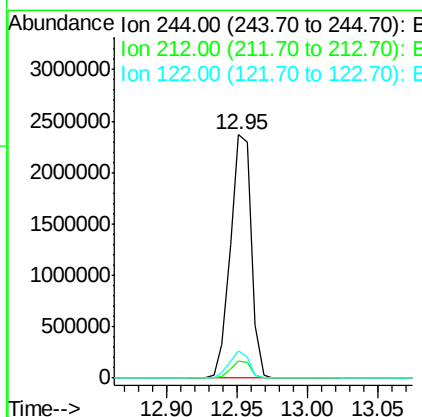
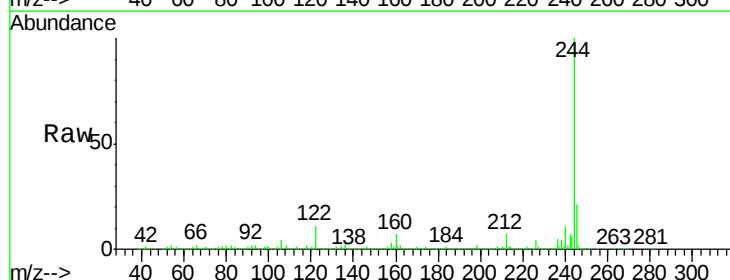
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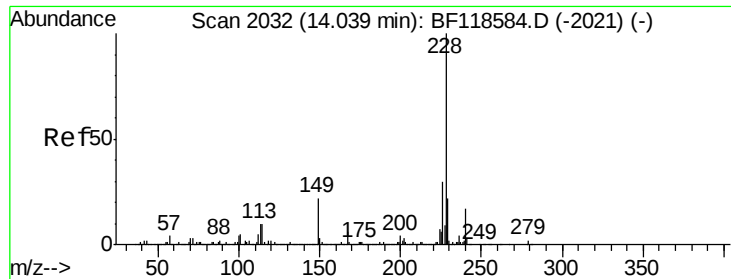
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#79
Terphenyl-d14
Concen: 81.437 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	11.2	9.2	13.8





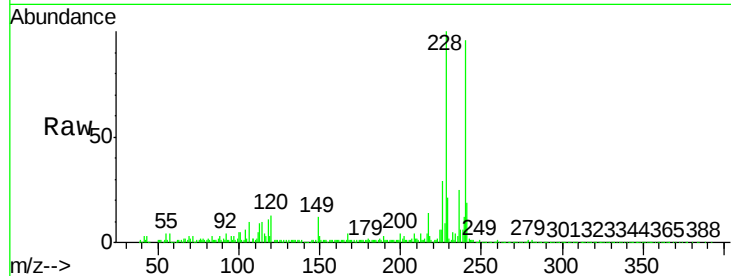
#81
Benzo(a)anthracene
Concen: 7.796 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	21.1	16.6	25.0

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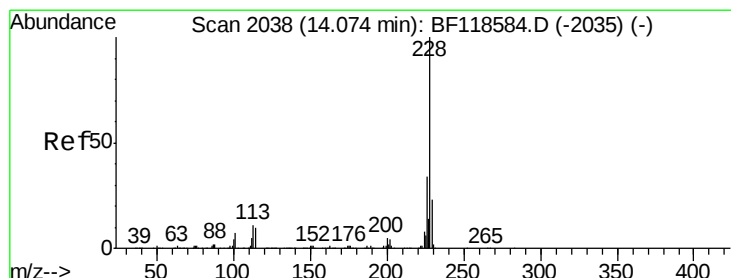
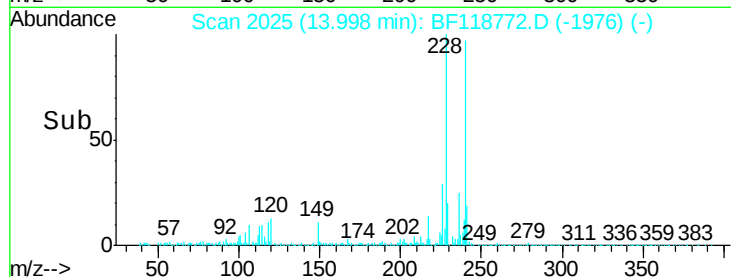
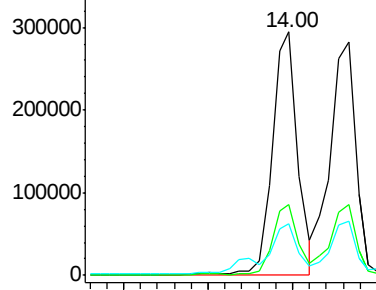


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 7.937 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

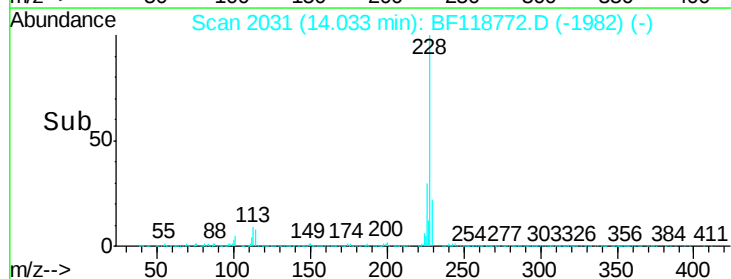
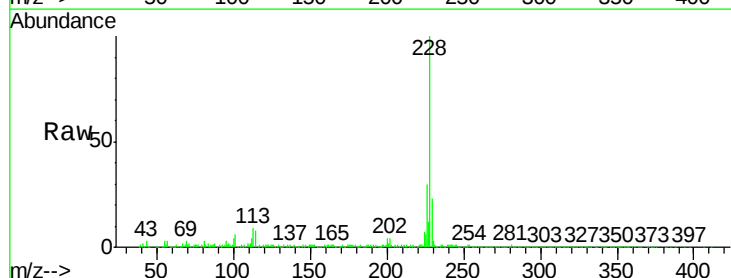
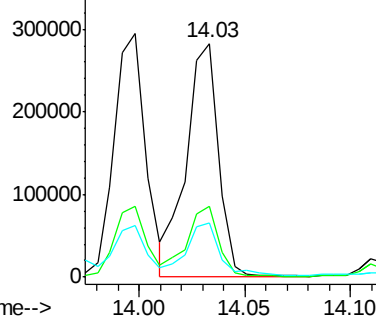
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.6	38.4
229	23.0	17.1	25.7

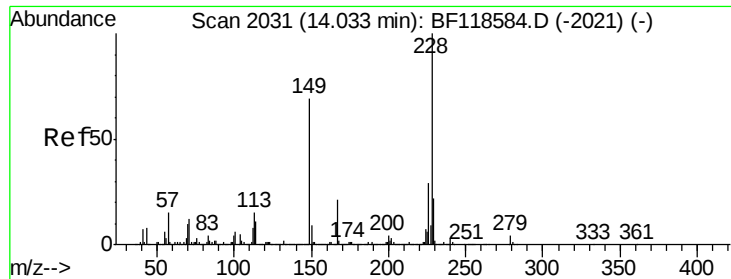
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





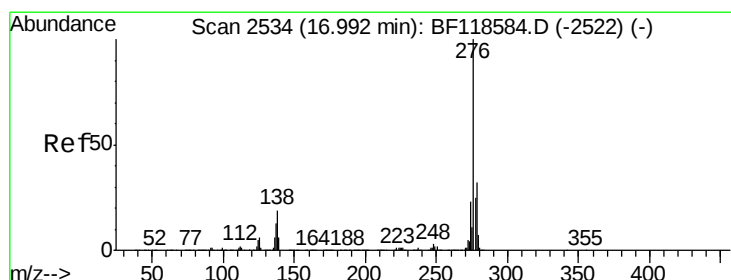
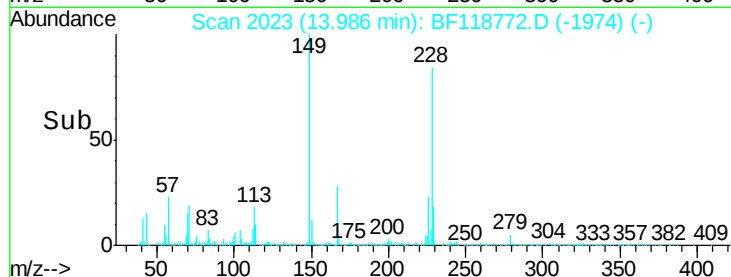
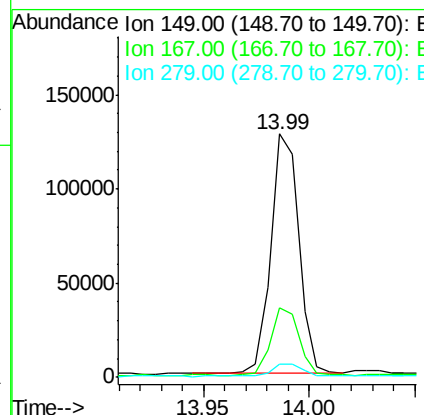
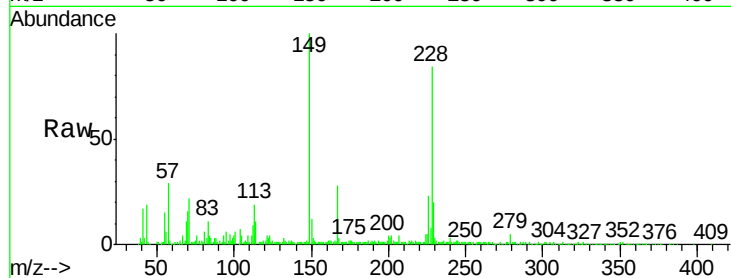
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.341 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.6	35.4
279	5.4	4.5	6.7

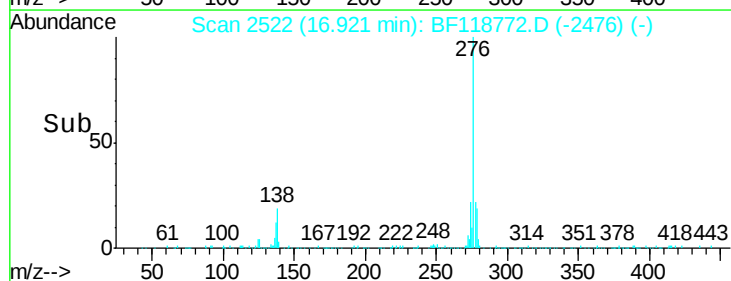
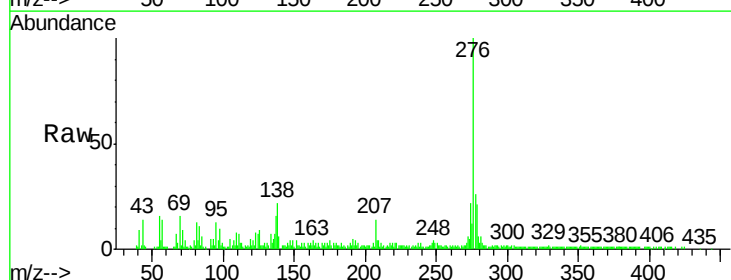
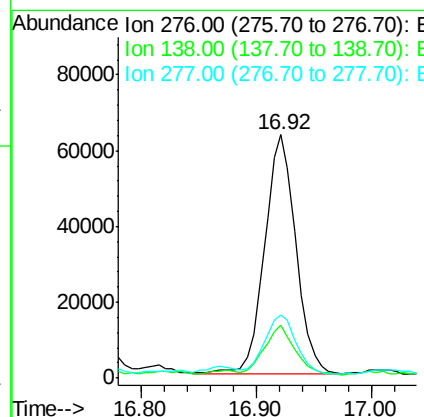
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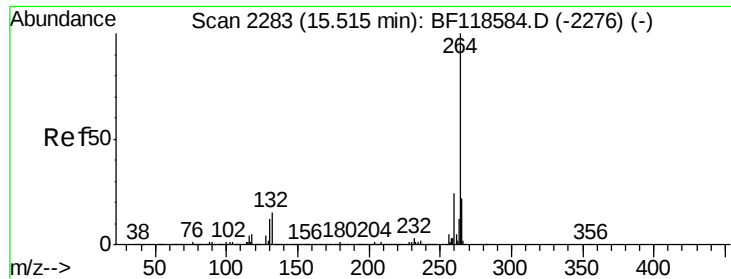
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.652 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.03 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.2	27.4
277	25.1	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA_F

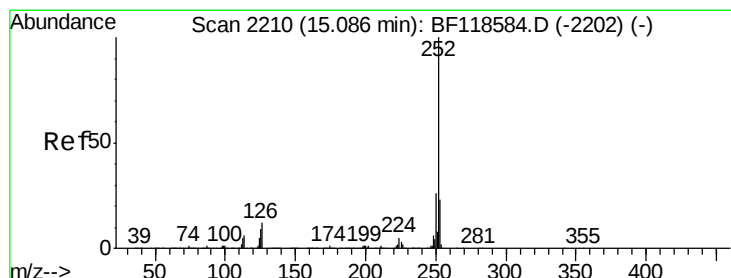
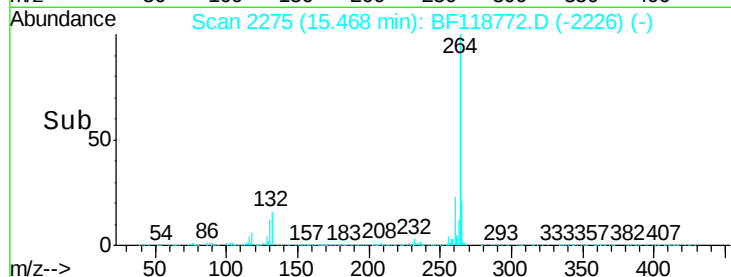
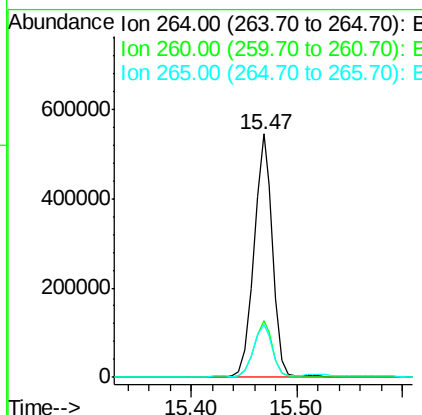
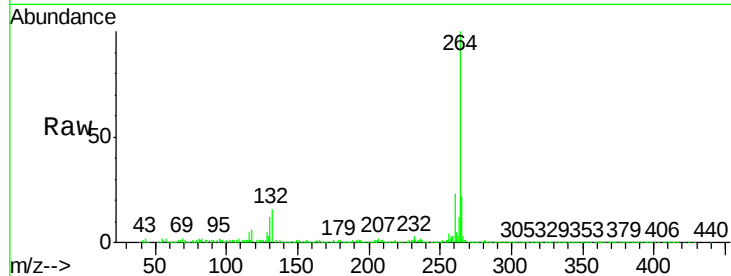
ClientSampleId :

RAINEY-PARK-BH-01-A

Tot Ion:	264	Resp:	663695
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	28.0
265	21.6	17.0	25.6

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#88

Benzo(b)fluoranthene

Concen: 9.160 ng m

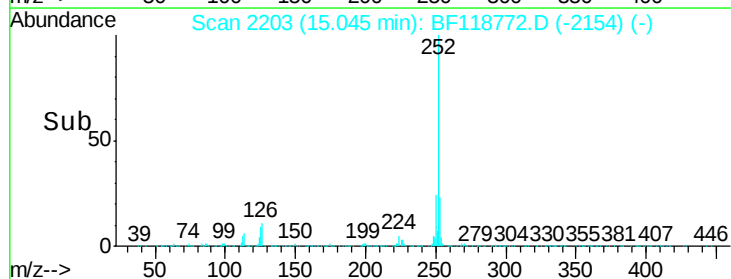
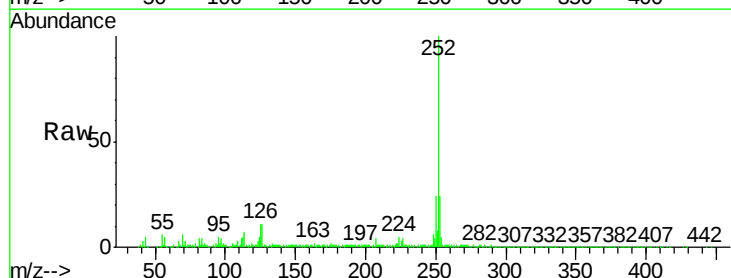
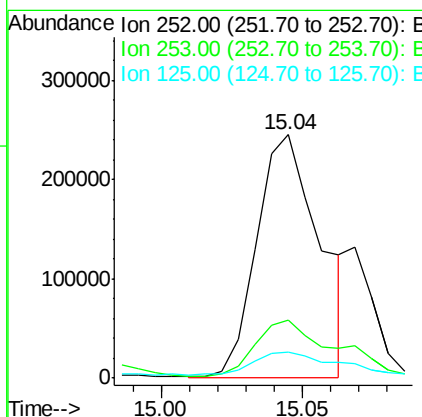
RT: 15.04 min Scan# 2203

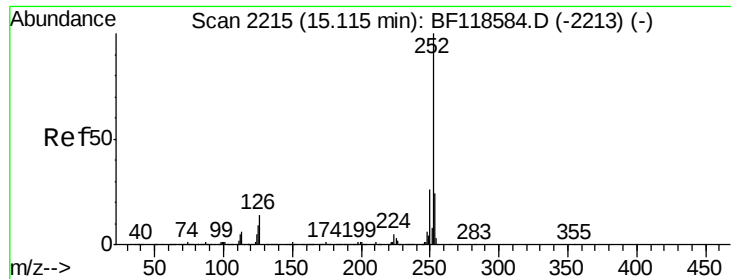
Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Tgt Ion:	252	Resp:	382133
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.2	27.4
125	10.7	7.7	11.5





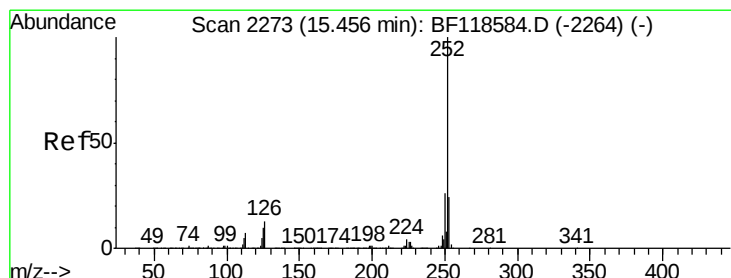
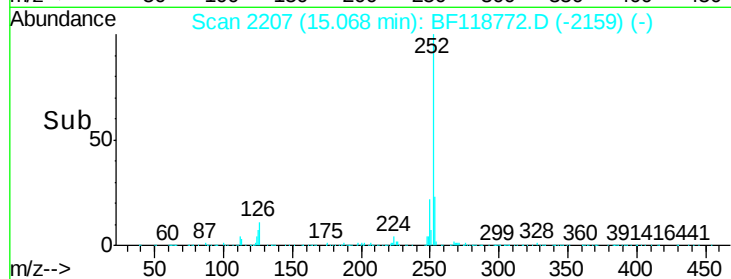
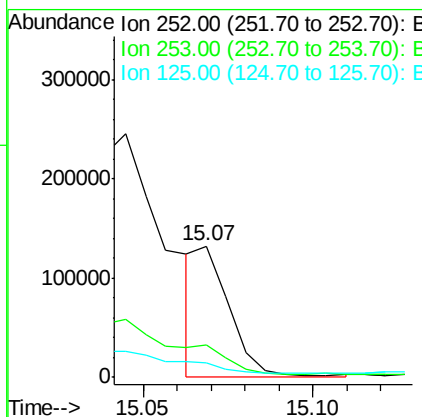
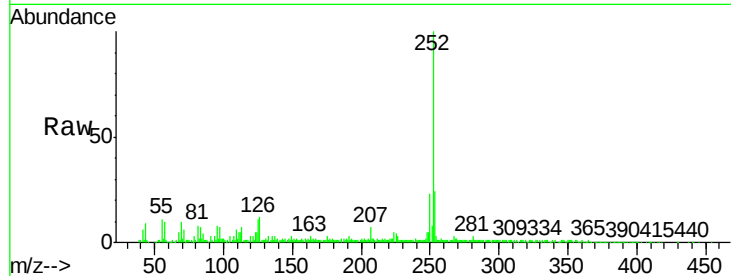
#89
Benzo(k)fluoranthene
Concen: 2.324 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-01-A

Tot Ion:	252	Resp:	89832
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.4	27.6
125	11.1	8.1	12.1

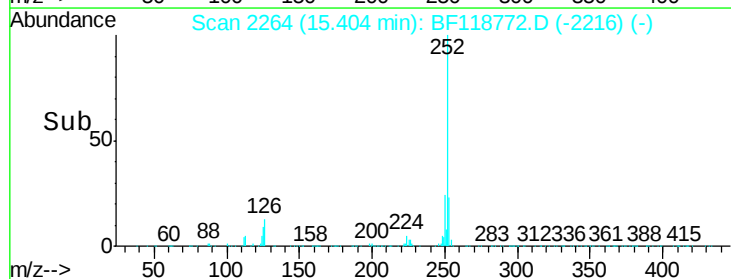
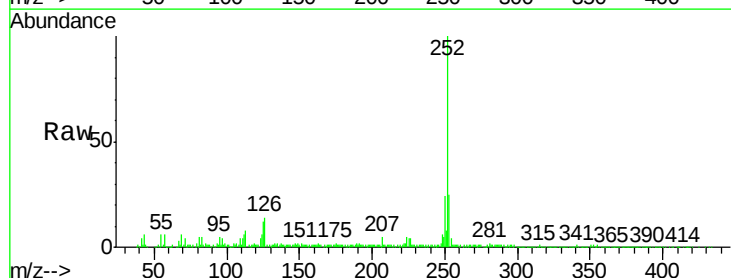
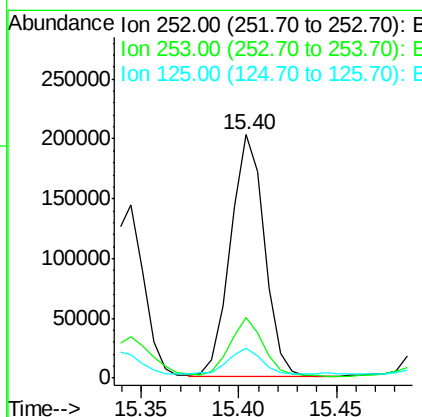
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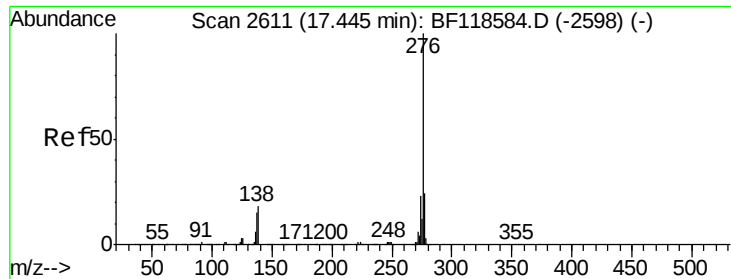
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#90
Benzo(a)pyrene
Concen: 6.737 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF118772.D
Acq: 31 Jan 2020 00:47

Tgt Ion:	252	Resp:	242436
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.4
125	12.1	8.3	12.5





#92
 Benzo(a,h,i)perylene
 Concen: 3.454 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. -0.03 min
 Lab File: BF118772.D
 Acq: 31 Jan 2020 00:47

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-01-A

Tot Ion:	276	Resp:	106763
Ion Ratio		Lower	Upper
276	100		
277	22.3	19.0	28.6
138	19.7	15.4	23.2

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