

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114470.D
 Acq On : 21 May 2019 21:35
 Operator : JU/SJ
 Sample : K2900-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-2(0-10)

Manual Integrations
 APPROVED

Sohil
 5/23/2019 8:15:52 AM

Quant Time: May 22 07:42:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	205690	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	797557	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	360681	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	628490	20.00	ng	0.00
76) Chrysene-d12	14.00	240	411572	20.00	ng	0.00
87) Perylene-d12	15.47	264	366052	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1134205	88.74	ng	0.00
7) Phenol-d6	6.47	99	1516855	100.34	ng	-0.01
23) Nitrobenzene-d5	7.39	82	909866	64.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	313041	83.95	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1588759	66.63	ng	0.00
79) Terphenyl-d14	12.94	244	1197429	59.98	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	246274	9.301	ng	Qvalue 100
71) Phenanthrene	11.38	178	163564	5.349	ng	97
75) Fluoranthene	12.57	202	236618	7.186	ng	98
78) Pyrene	12.80	202	319295	9.644	ng	98
81) Benzo(a)anthracene	13.99	228	197082	7.403	ng	99
83) Chrysene	14.03	228	201374	7.717	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	96605	4.189	ng	97
88) Benzo(b)fluoranthene	15.04	252	274022m	11.685	ng	
89) Benzo(k)fluoranthene	15.07	252	69072m	3.206	ng	
90) Benzo(a)pyrene	15.41	252	170869	8.279	ng	100
92) Benzo(g,h,i)perylene	17.40	276	100546	5.850	ng	98

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

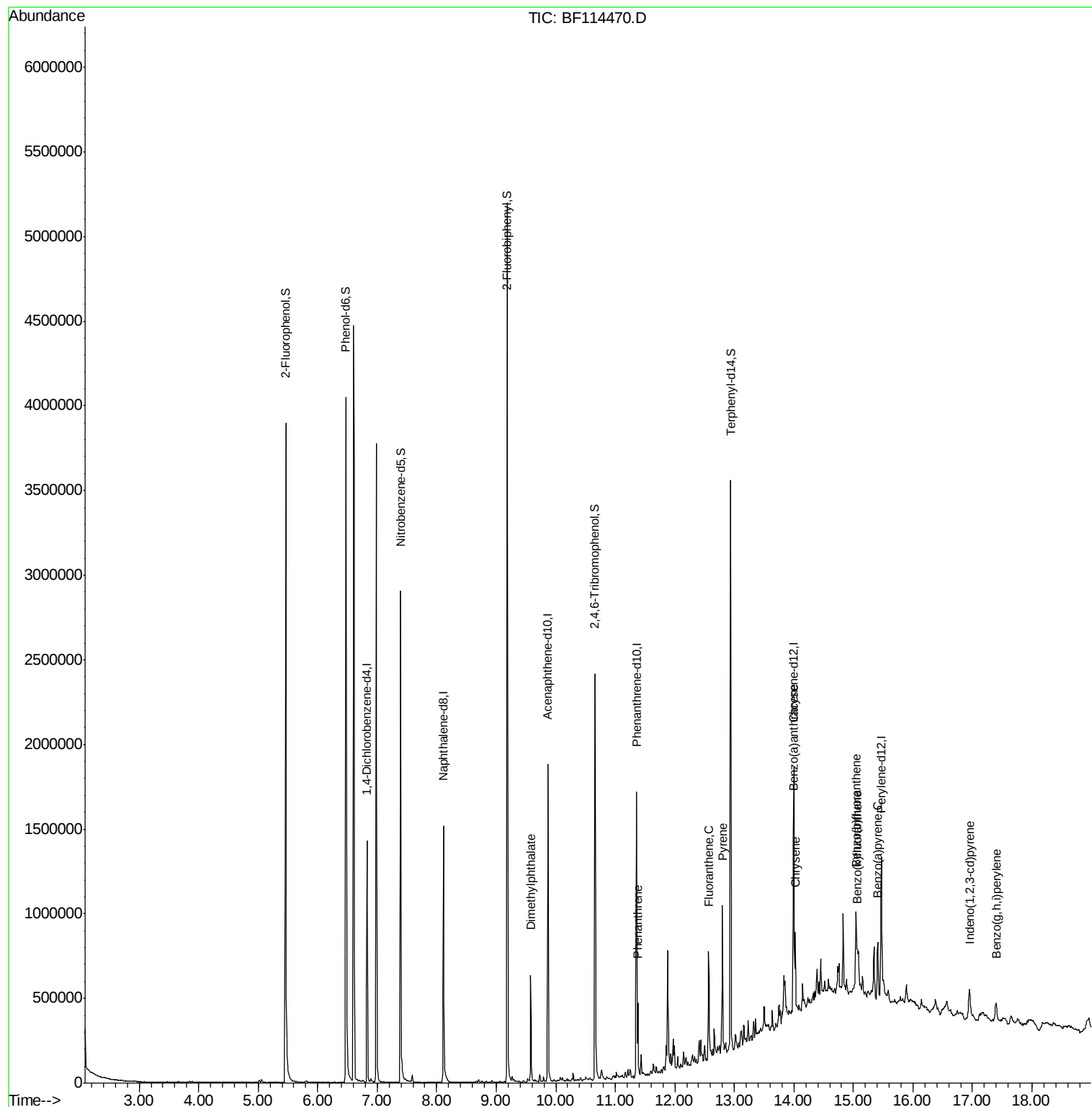
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
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ALS Vial : 23 Sample Multiplier: 1

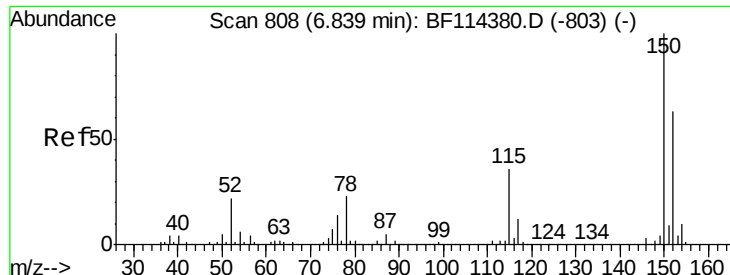
Instrument :
BNA_F
ClientSampleId :
P-2(0-10)

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Quant Time: May 22 07:42:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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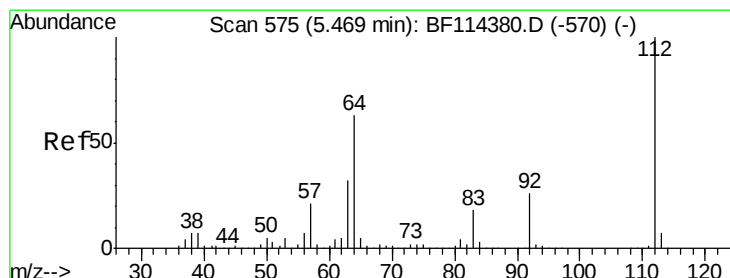
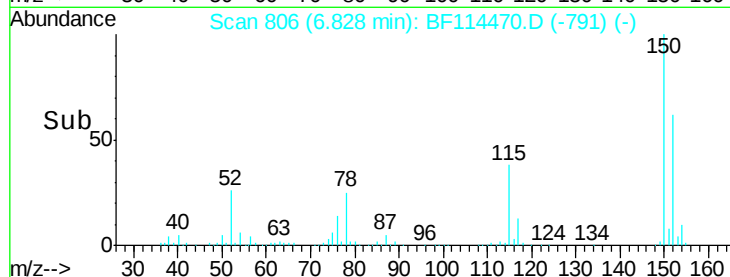
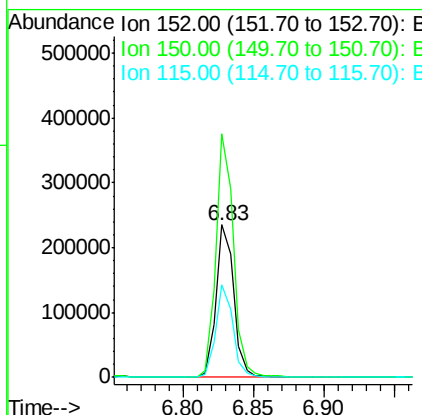
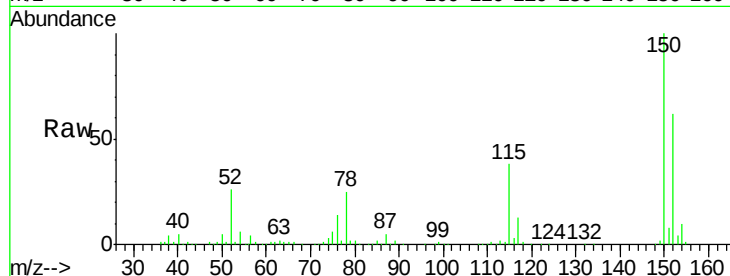
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF114470.D
 Acq: 21 May 2019 21:35

Instrument :
 BNA_F
 ClientSampled :
 P-2(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	205690		
150	160.0	124.3	186.5	
115	61.0	49.1	73.7	

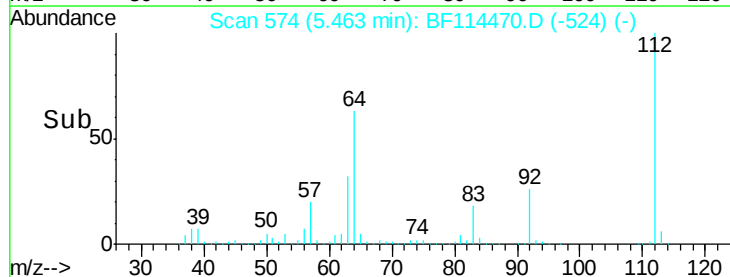
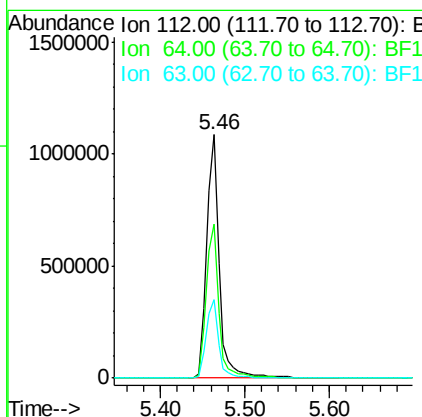
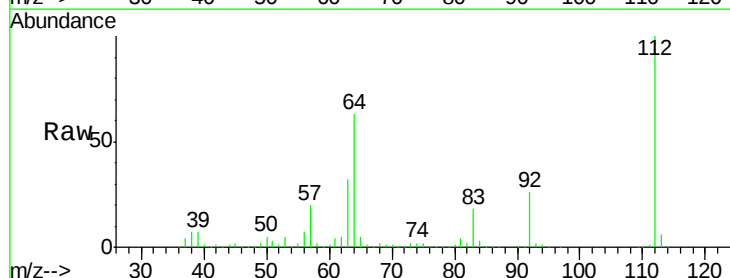
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#5
 2-Fluorophenol
 Concen: 88.737 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF114470.D
 Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1134205		
64	63.4	49.0	73.6	
63	32.4	24.6	37.0	





#7

Phenol-d6

Concen: 100.339 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114470.D

Acq: 21 May 2019 21:35

Instrument :

BNA_F

ClientSampleId :

P-2(0-10)

Tgt Ion: 99 Resp: 1516855

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

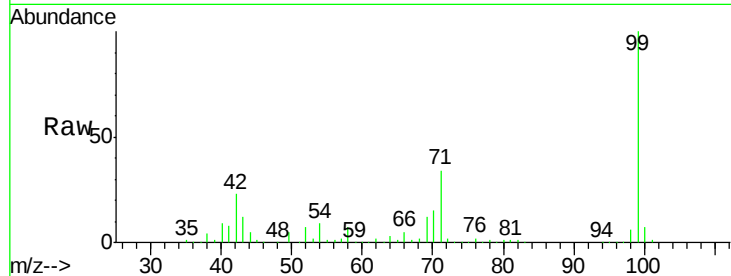
71 33.8 26.2 39.2

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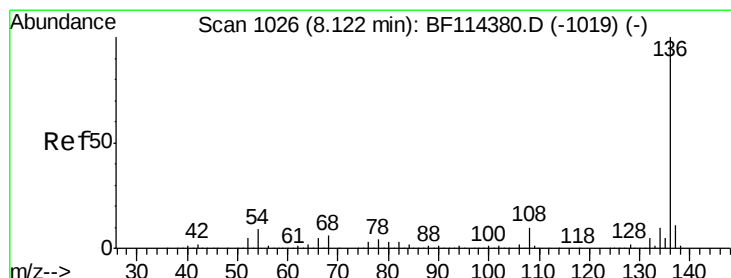
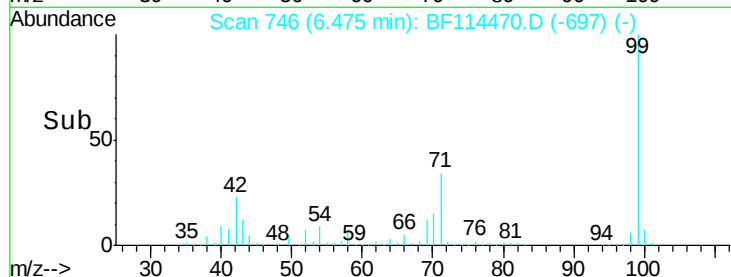
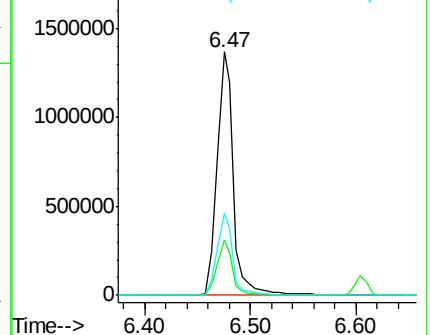
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114470.D

Acq: 21 May 2019 21:35

Tgt Ion: 136 Resp: 797557

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.9 7.8 11.8

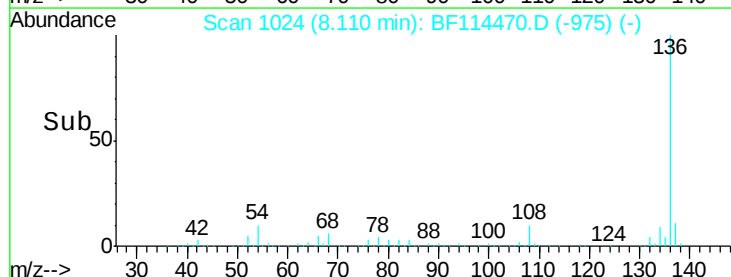
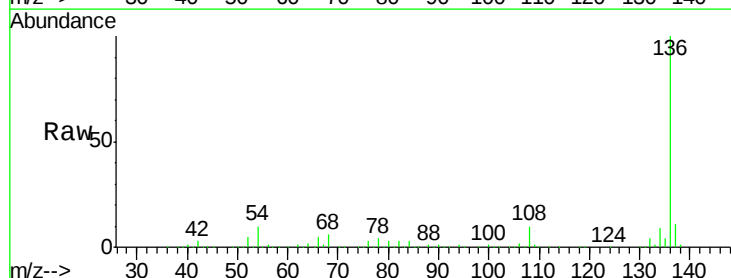
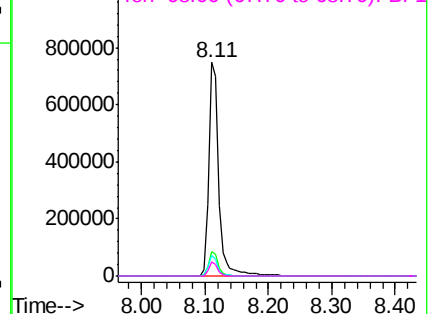
68 6.3 5.1 7.7

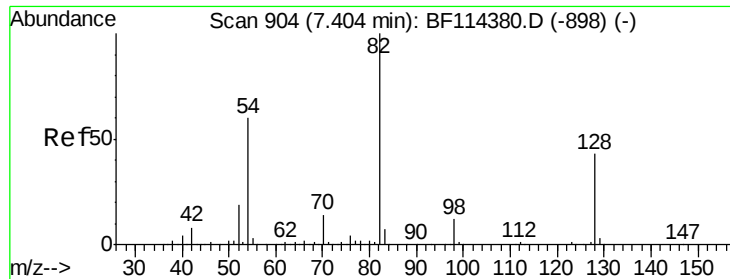
Abundance Ion 136.00 (135.70 to 136.70): E

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





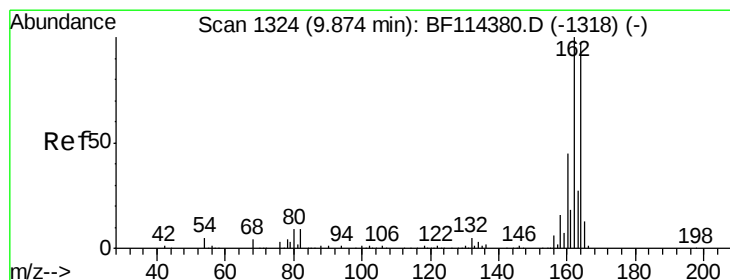
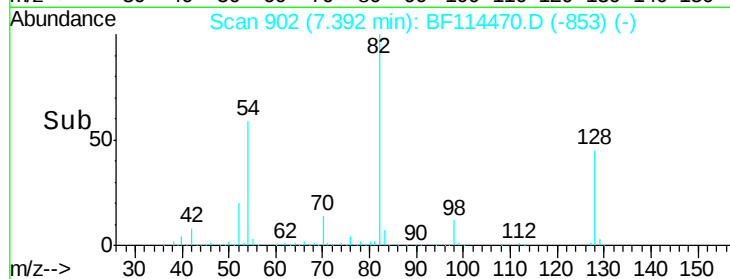
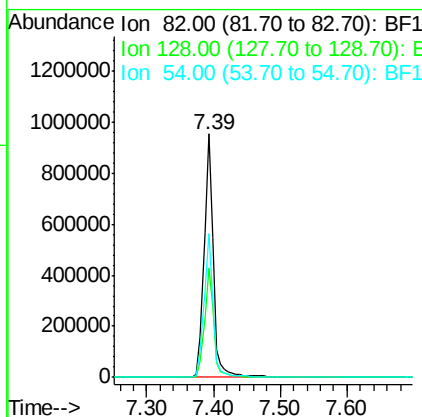
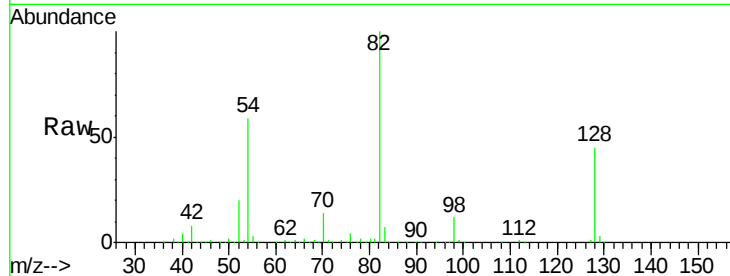
#23
Nitrobenzene-d5
Concen: 64.023 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Instrument :
BNA_F
ClientSampleId :
P-2(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	909866		
128	44.8	35.5	53.3	
54	58.8	48.5	72.7	

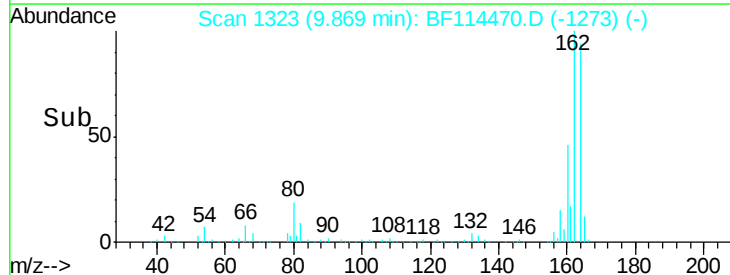
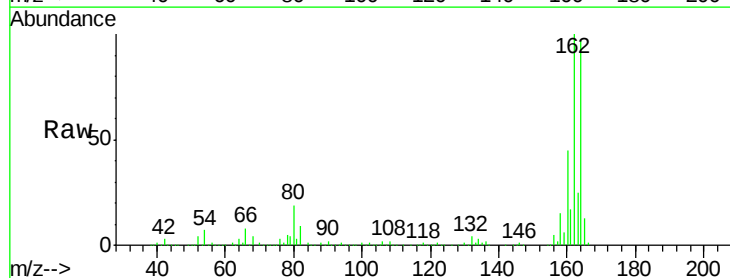
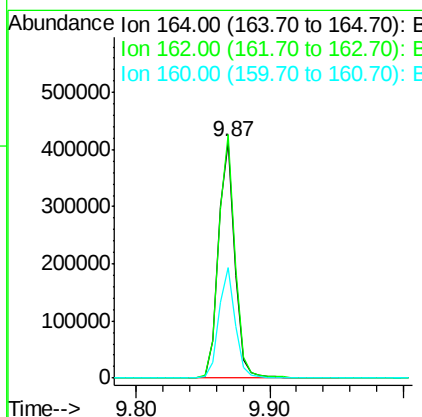
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	360681		
162	102.9	80.6	120.8	
160	46.8	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 83.951 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF114470.D

Acq: 21 May 2019 21:35

Instrument :

BNA_F

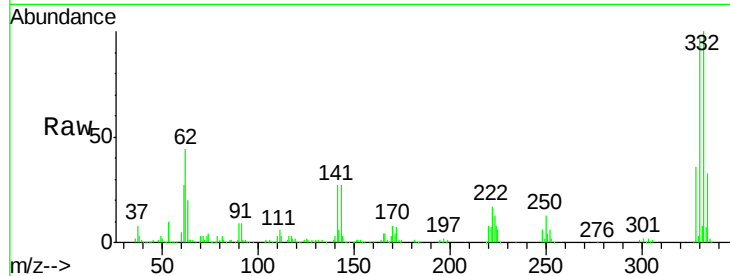
ClientSampled :

P-2(0-10)

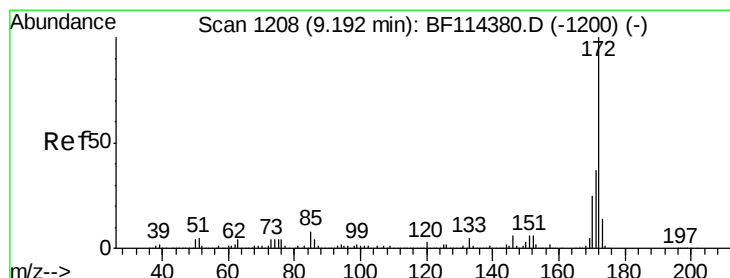
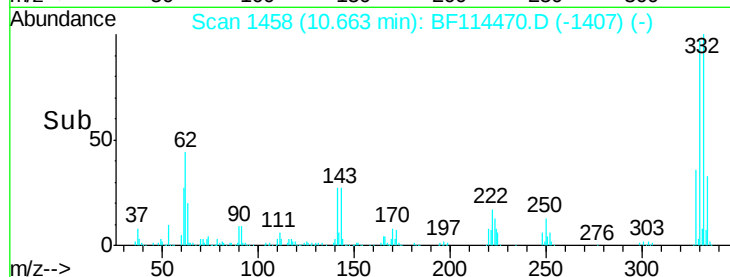
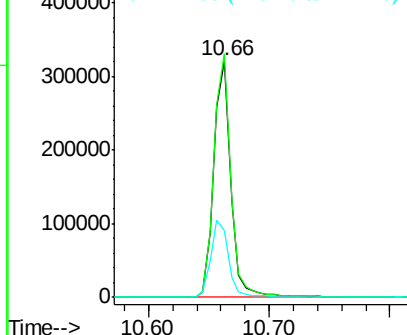
Tgt Ion:	330	Resp:	313041
Ion Ratio	Lower	Upper	
330	100		
332	103.0	81.4	122.2
141	34.5	26.6	40.0

Manual Integrations
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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: 66.631 ng

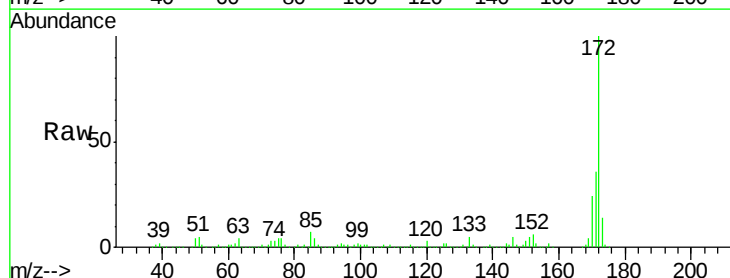
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

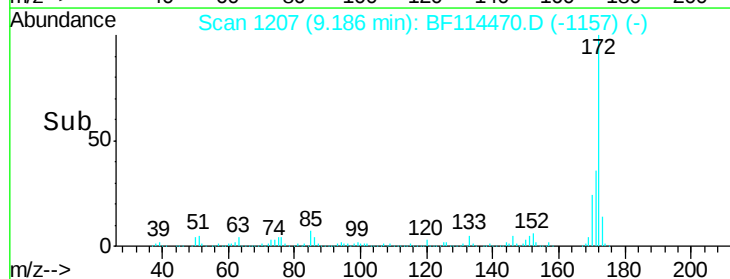
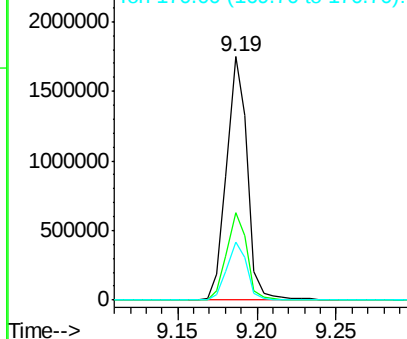
Lab File: BF114470.D

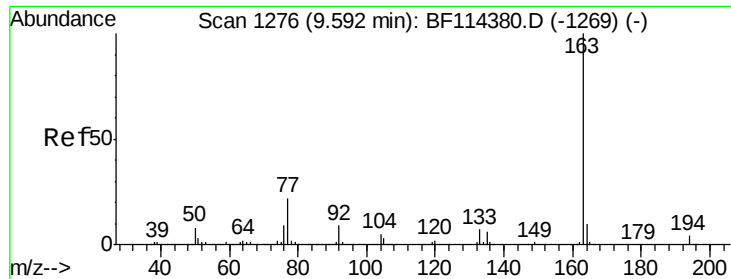
Acq: 21 May 2019 21:35

Tgt Ion:	172	Resp:	1588759
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.7	46.1
170	23.7	20.5	30.7



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





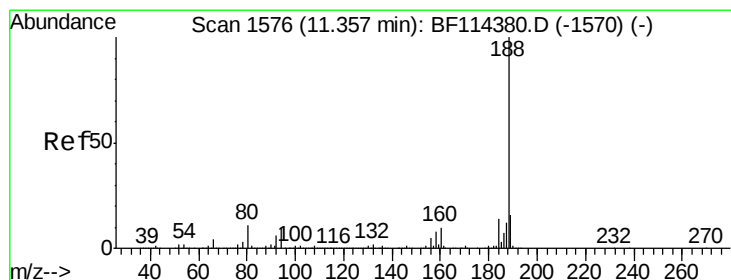
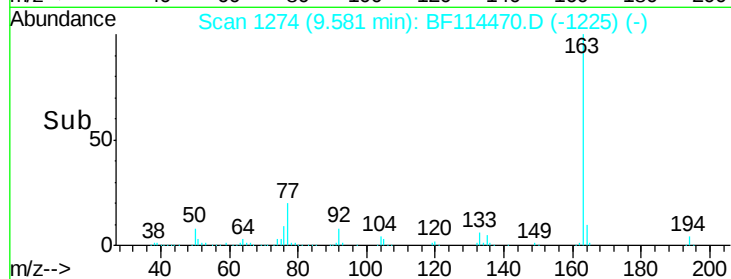
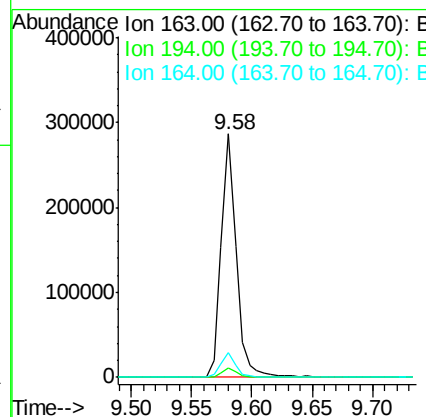
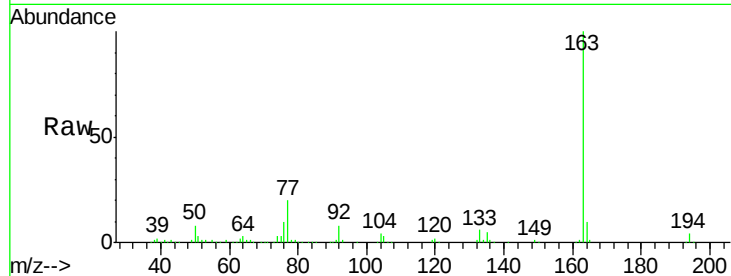
#50
Dimethylphthalate
Concen: 9.301 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Instrument :
BNA_F
ClientSampleId :
P-2(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	246274		
194	3.9		3.4	5.0
164	10.3		8.2	12.2

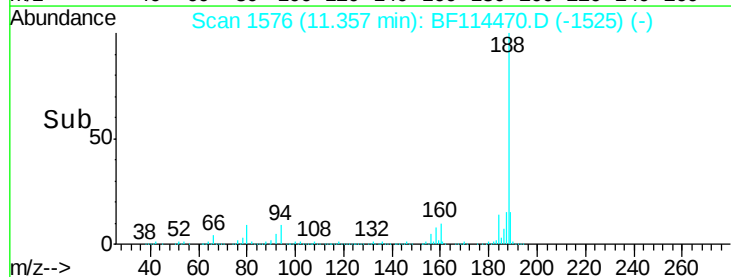
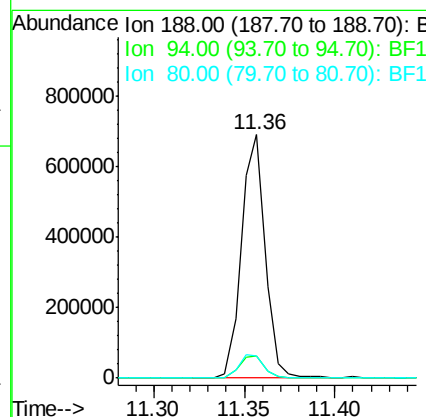
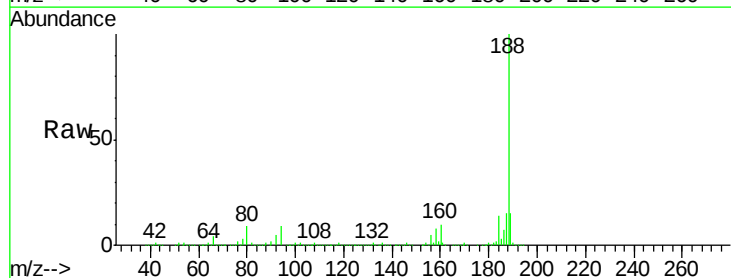
Manual Integrations
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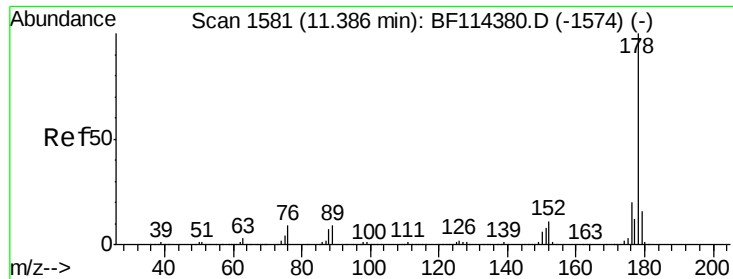
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	628490		
94	9.1		8.4	12.6
80	9.2		9.2	13.8





#71

Phenanthrene

Concen: 5.349 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114470.D

Acq: 21 May 2019 21:35

Instrument :

BNA_F

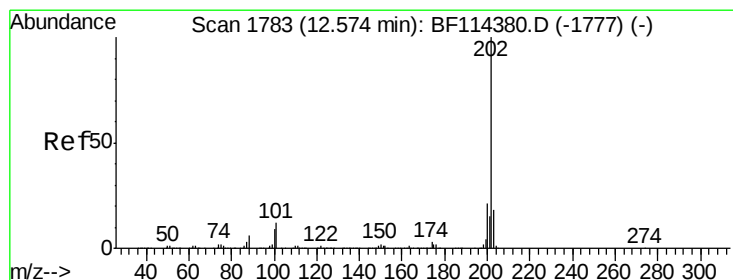
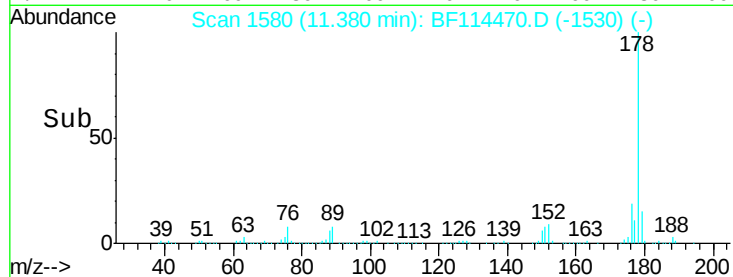
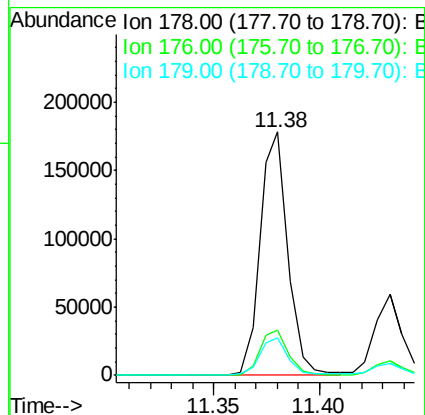
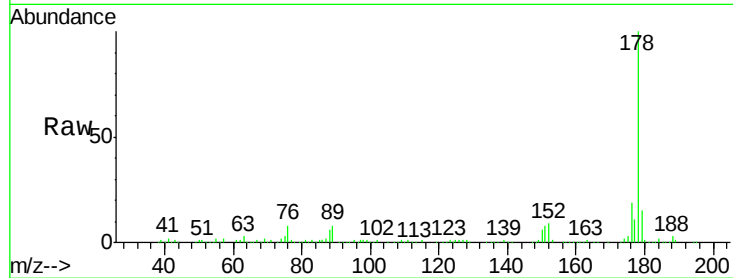
ClientSampleId :

P-2(0-10)

Tgt Ion:	178	Resp:	163564
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.4	24.6
179	15.3	13.2	19.8

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#75

Fluoranthene

Concen: 7.186 ng

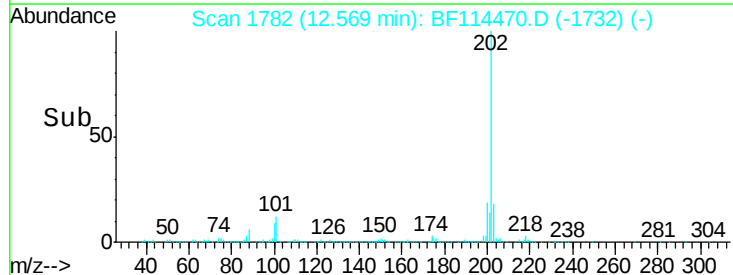
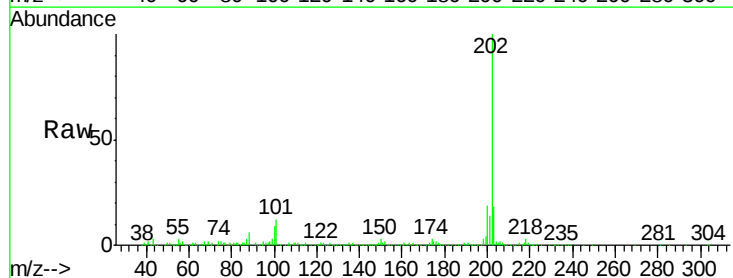
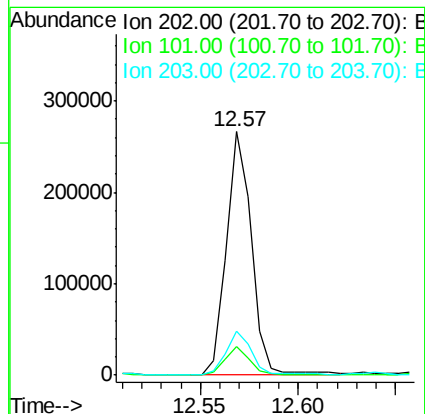
RT: 12.57 min Scan# 1782

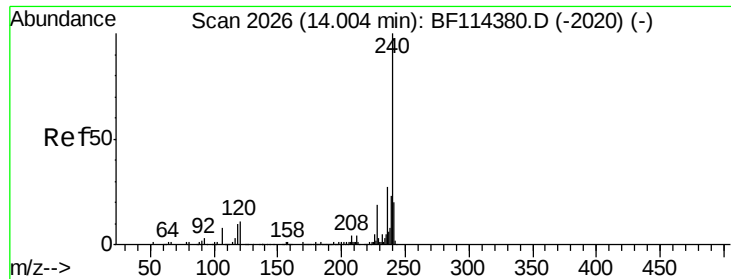
Delta R.T. -0.01 min

Lab File: BF114470.D

Acq: 21 May 2019 21:35

Tgt Ion:	202	Resp:	236618
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.0
203	17.9	0.0	38.4





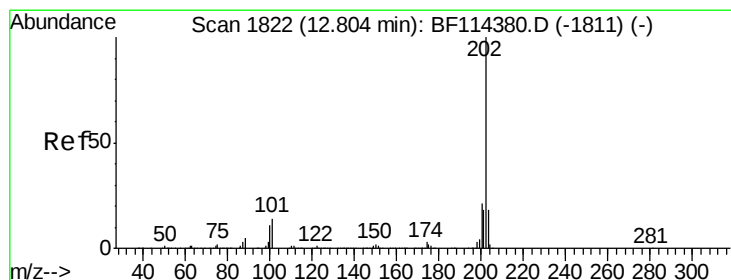
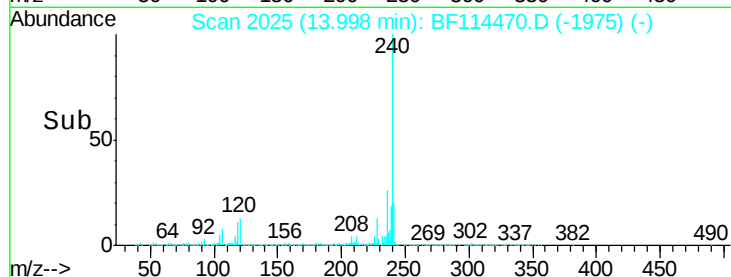
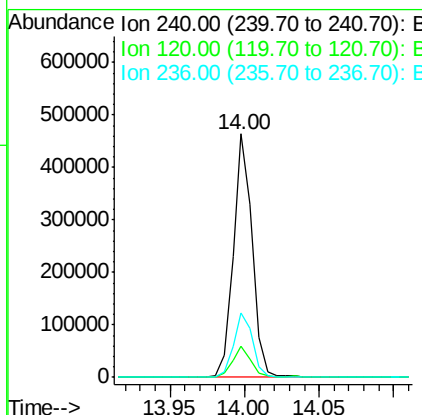
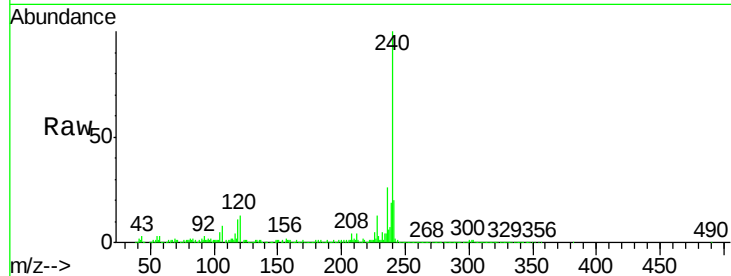
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Instrument :
BNA_F
ClientSampleId :
P-2(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	411572		
120	12.9	8.3	12.5#	
236	26.4	20.8	31.2	

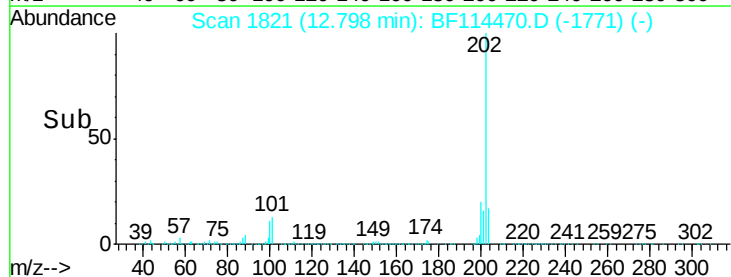
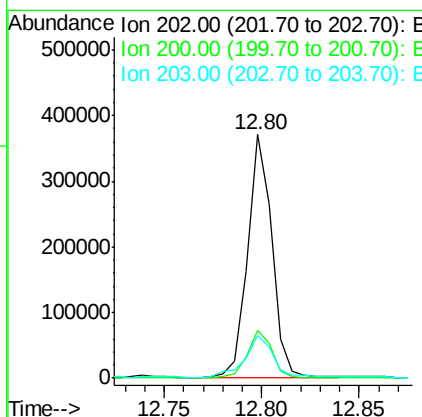
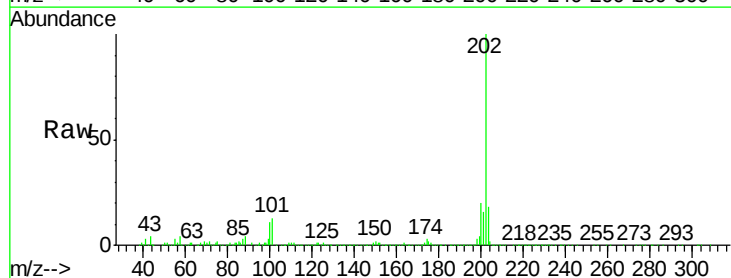
Manual Integrations
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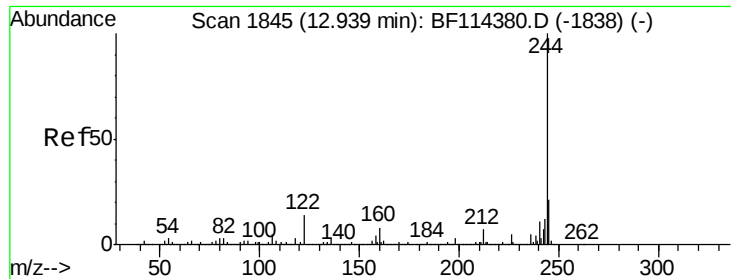
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#78
Pyrene
Concen: 9.644 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	319295		
200	19.8	16.9	25.3	
203	17.7	14.5	21.7	





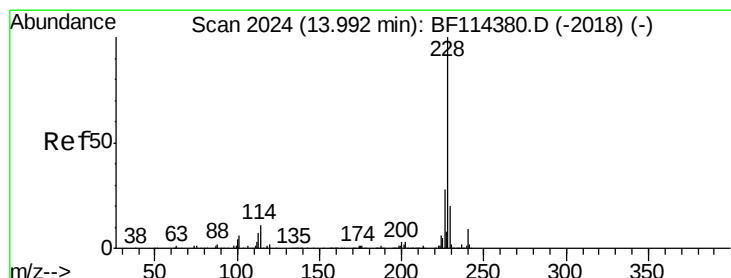
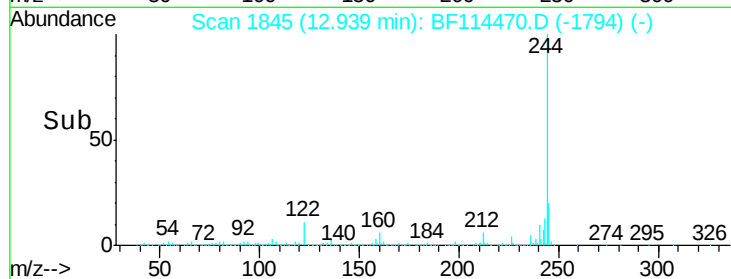
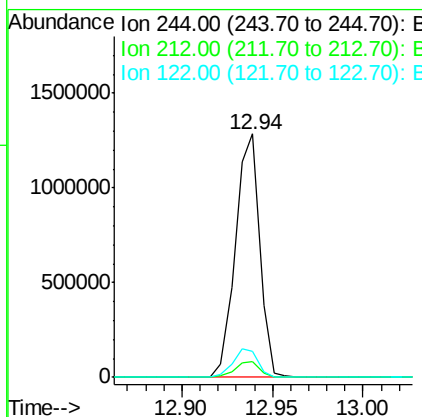
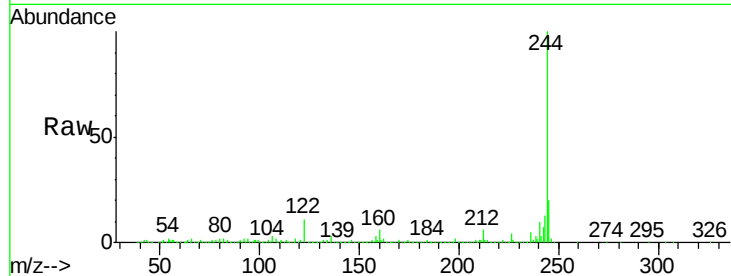
#79
 Terphenyl-d14
 Concen: 59.975 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF114470.D
 Acq: 21 May 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 P-2(0-10)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.6
122	10.7	9.4	14.2

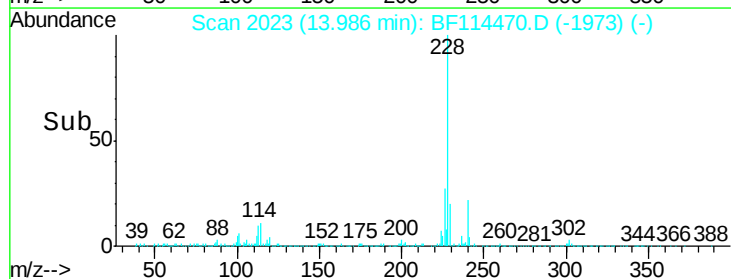
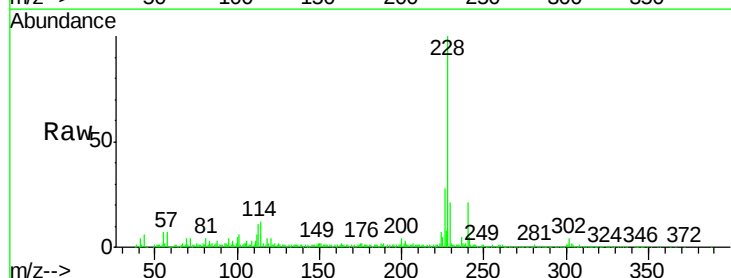
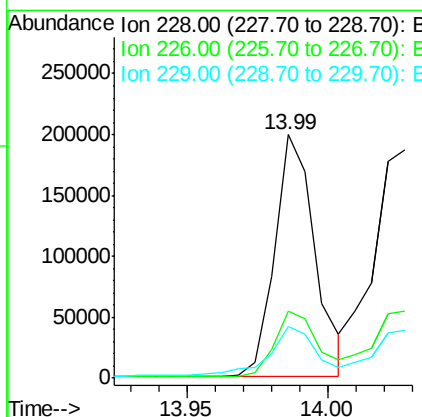
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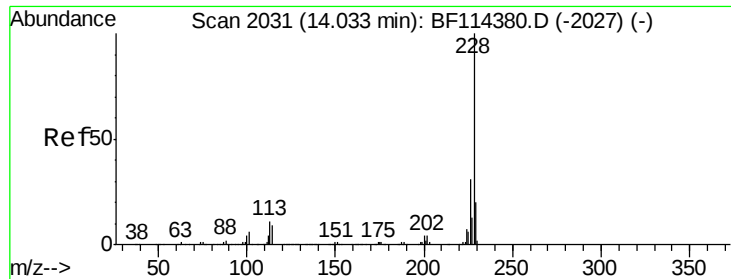
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#81
 Benzo(a)anthracene
 Concen: 7.403 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF114470.D
 Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	21.1	16.4	24.6





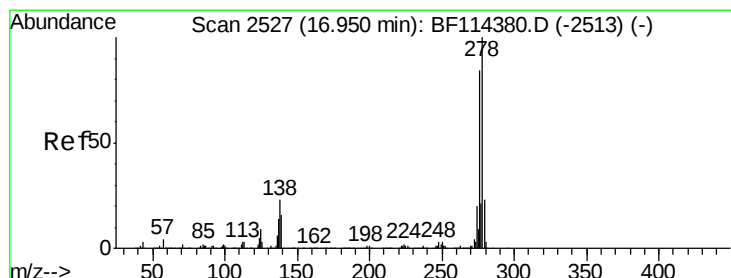
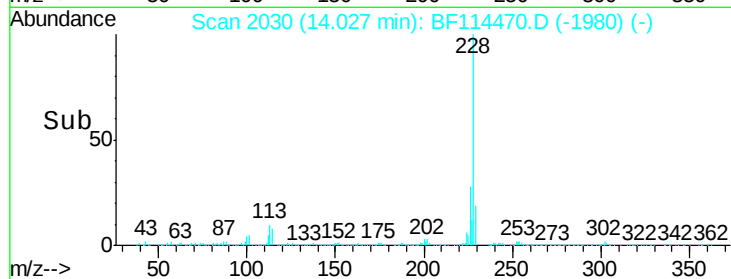
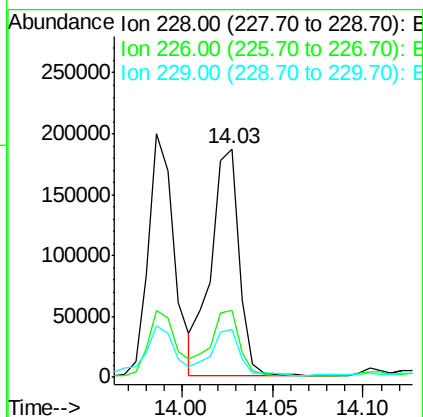
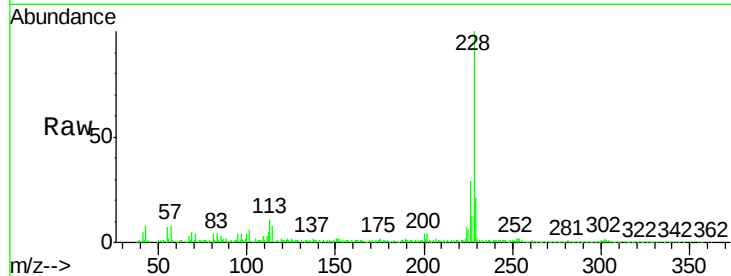
#83
Chrysene
Concen: 7.717 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Instrument :
BNA_F
ClientSampled :
P-2(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	201374		
226	29.2	25.0	37.6	
229	20.7	17.0	25.6	

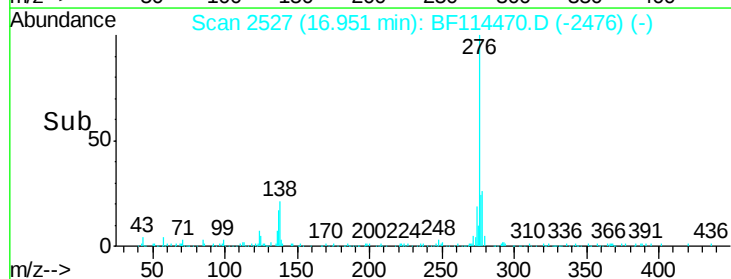
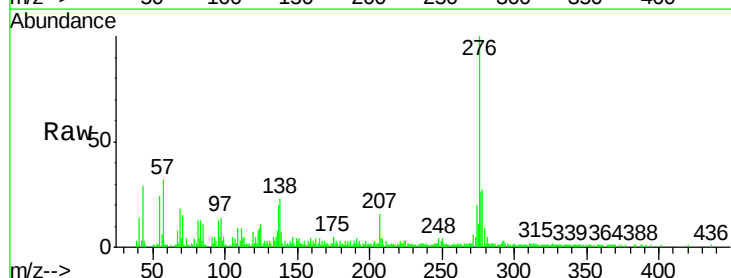
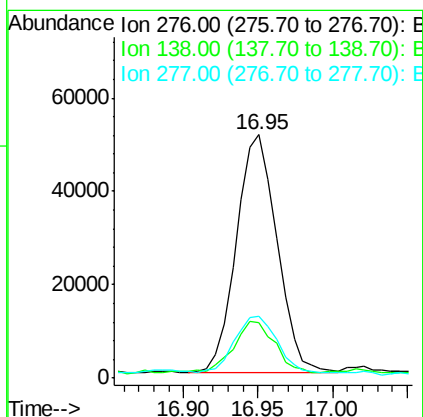
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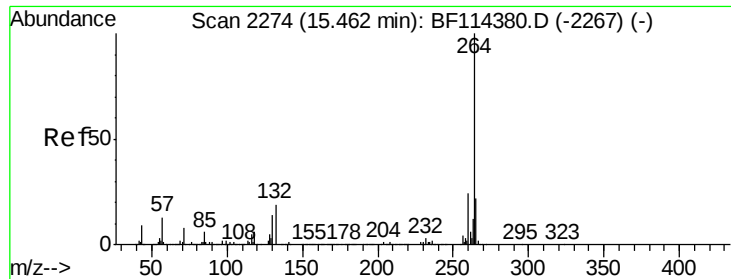
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.189 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	96605		
138	22.7	20.2	30.2	
277	24.9	20.0	30.0	





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF114470.D

Acq: 21 May 2019 21:35

Instrument :

BNA_F

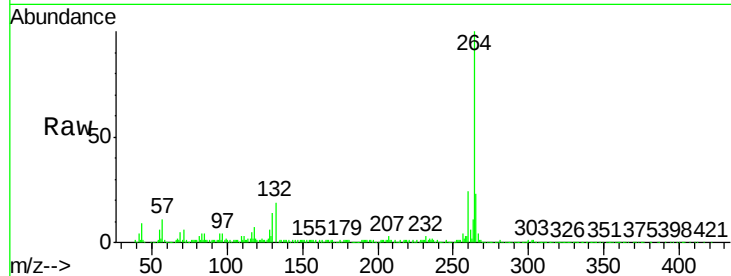
ClientSampleId :

P-2(0-10)

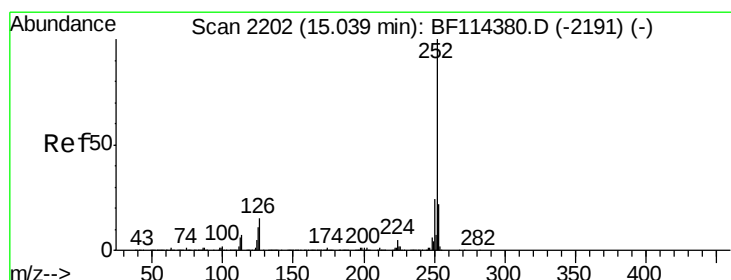
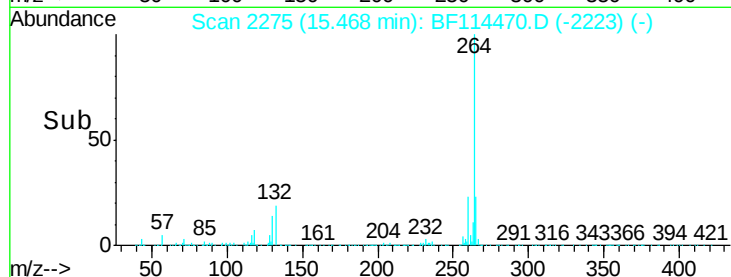
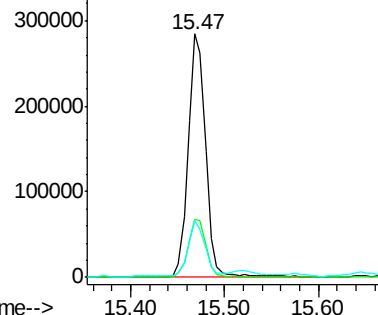
Tgt Ion:	264	Resp:	366052
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.4	29.0
265	23.2	16.9	25.3

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 11.685 ng m

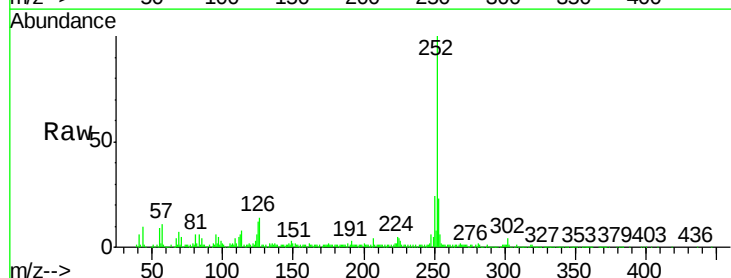
RT: 15.04 min Scan# 2203

Delta R.T. 0.01 min

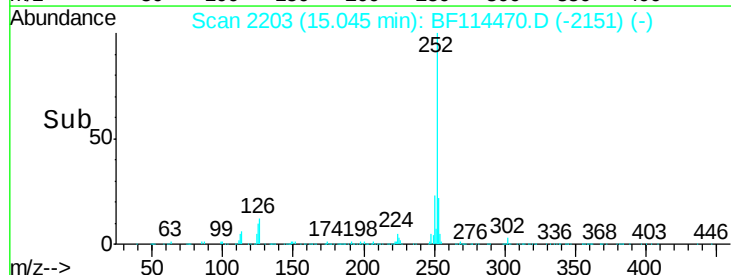
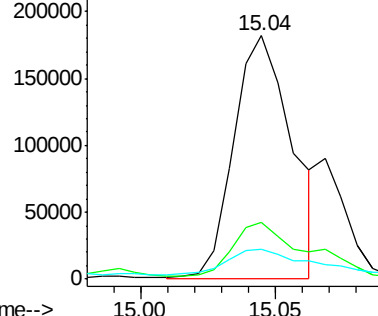
Lab File: BF114470.D

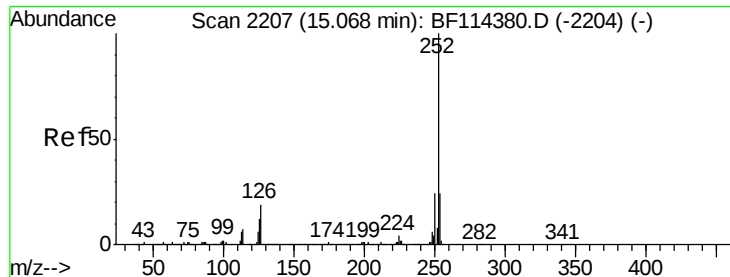
Acq: 21 May 2019 21:35

Tgt Ion:	252	Resp:	274022
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.3	8.3	12.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





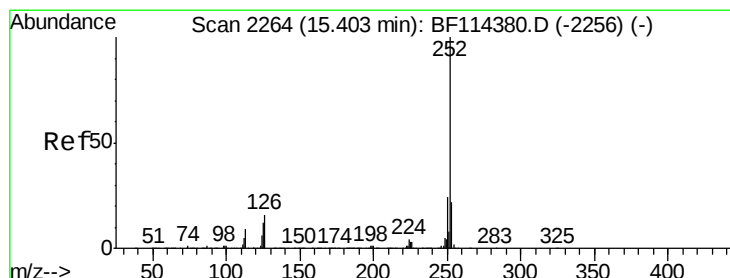
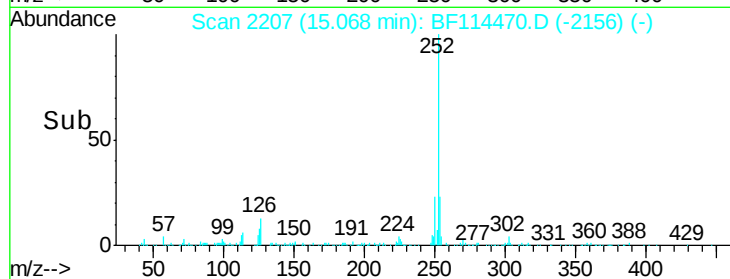
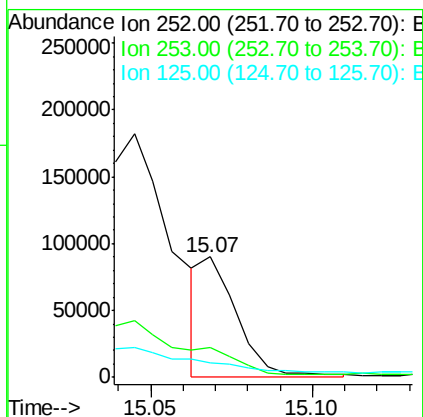
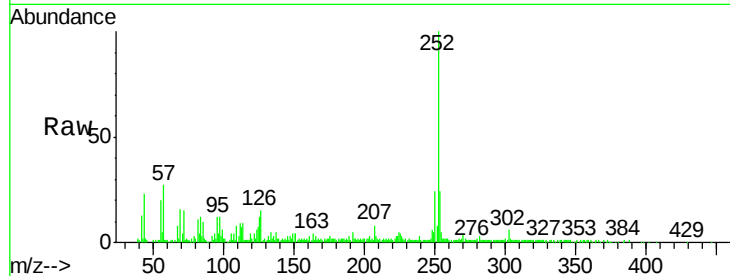
#89
Benzo(k)fluoranthene
Concen: 3.206 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Instrument :
BNA_F
ClientSampled :
P-2(0-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	12.4	8.6	13.0

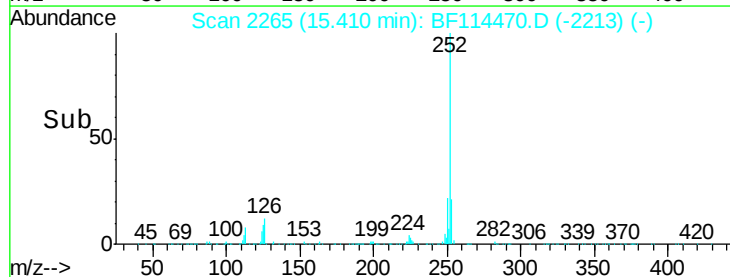
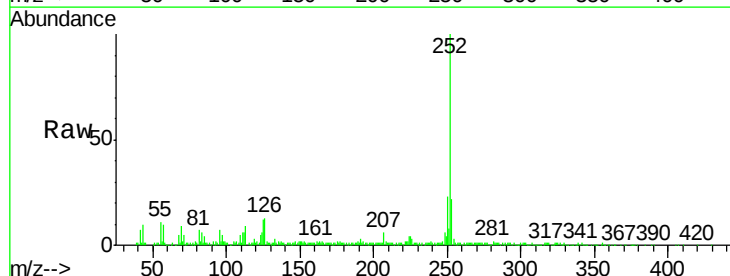
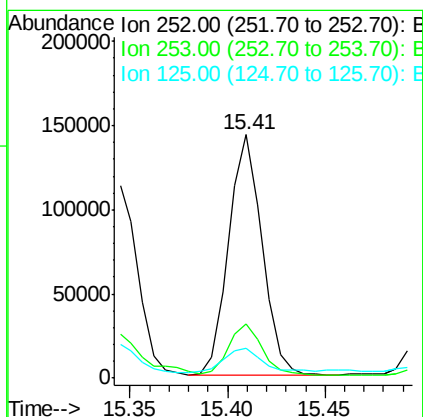
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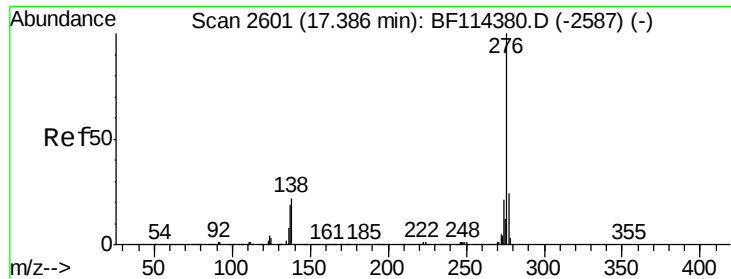
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#90
Benzo(a)pyrene
Concen: 8.279 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF114470.D
Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.2	9.5	14.3





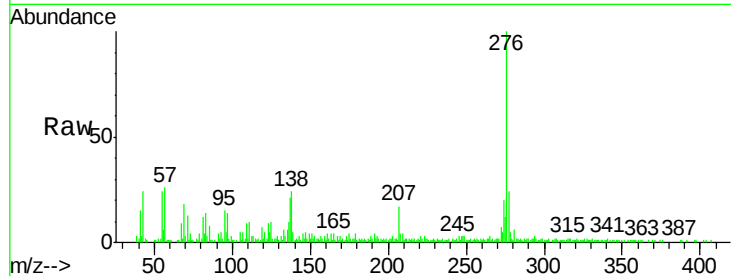
#92
 Benzo(g,h,i)perylene
 Concen: 5.850 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF114470.D
 Acq: 21 May 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 P-2(0-10)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	24.3	17.8	26.6

Manual Integrations
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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

