

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
 Data File : BF116044.D
 Acq On : 7 Aug 2019 12:20
 Operator : HP/JU
 Sample : K4152-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)

Manual Integrations
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 8/8/2019 4:46:46 PM

Quant Time: Aug 07 14:28:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	136591	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	529718	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	286142	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	489715	20.00	ng	0.00
76) Chrysene-d12	14.00	240	290613	20.00	ng	0.00
87) Perylene-d12	15.47	264	298189	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	785317	96.25	ng	0.00
7) Phenol-d6	6.48	99	1020899	99.17	ng	0.00
23) Nitrobenzene-d5	7.40	82	667736	72.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	197001	71.01	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1197108	78.36	ng	0.00
79) Terphenyl-d14	12.94	244	1166296	84.57	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	249343	12.798	ng	98
71) Phenanthrene	11.39	178	54266	2.168	ng	98
75) Fluoranthene	12.58	202	144055	5.496	ng	81
78) Pyrene	12.81	202	125415	5.725	ng	# 85
81) Benzo(a)anthracene	13.99	228	63503	3.419	ng	96
83) Chrysene	14.03	228	53393m	2.961	ng	
84) Bis(2-ethylhexyl)phthalate	13.97	149	69601	5.780	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	35531m	2.346	ng	
88) Benzo(b)fluoranthene	15.04	252	64431m	3.737	ng	
90) Benzo(a)pyrene	15.41	252	48111	3.122	ng	# 95
92) Benzo(g,h,i)perylene	17.39	276	30474	2.326	ng	97

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

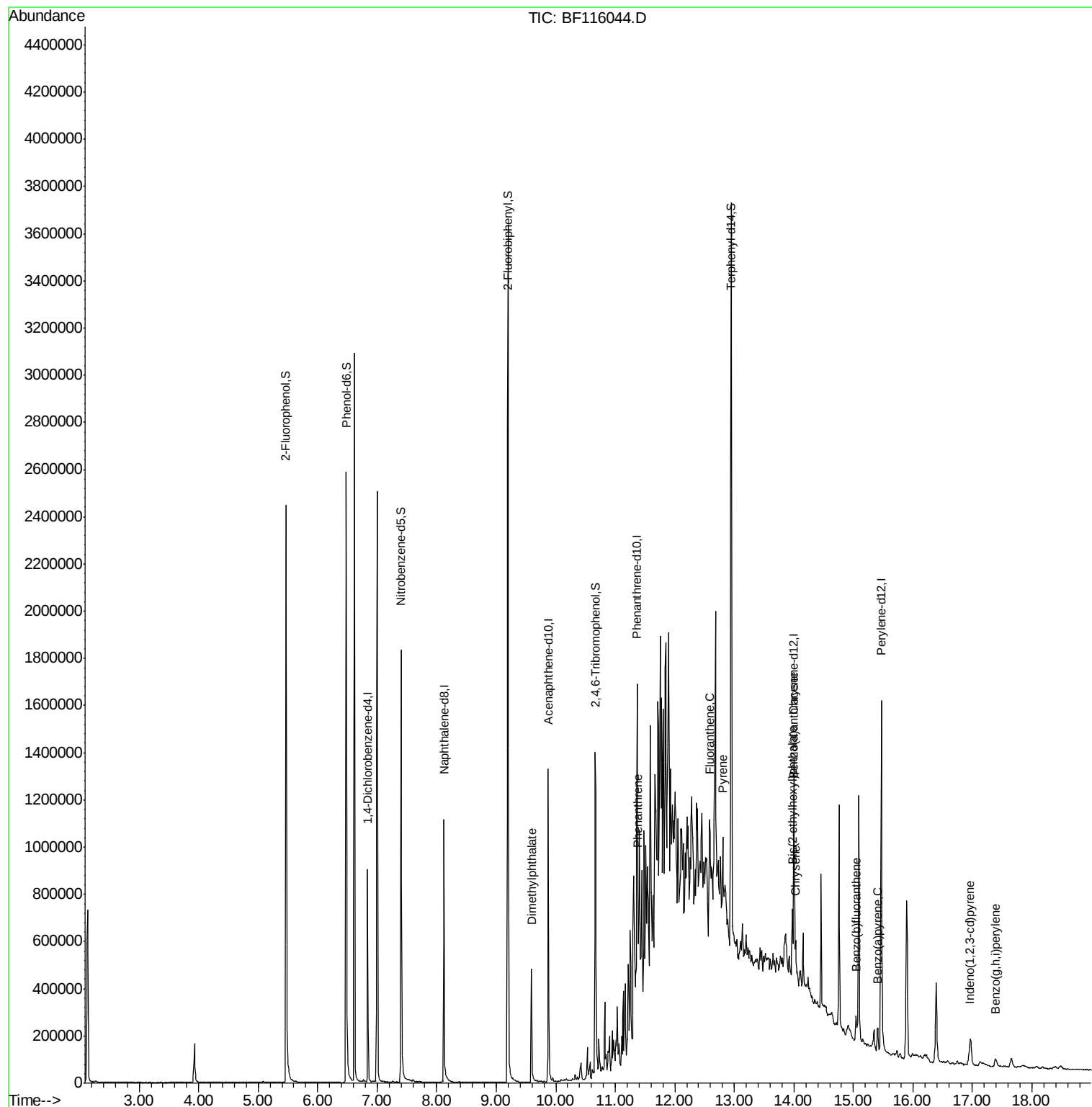
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
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Sample : K4152-01
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ALS Vial : 6 Sample Multiplier: 1

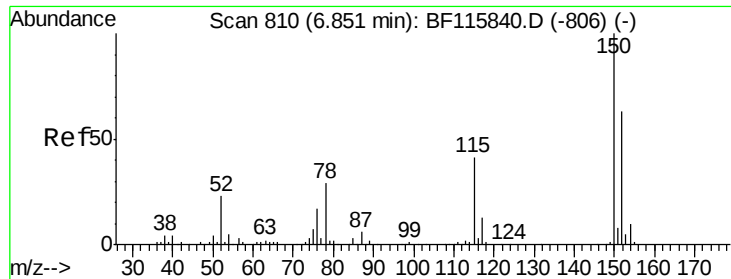
Instrument :
BNA_F
ClientSampleId :
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#1

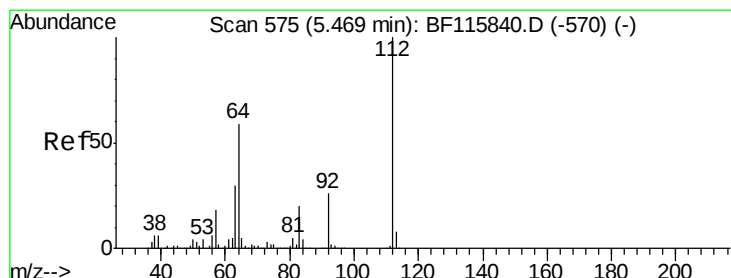
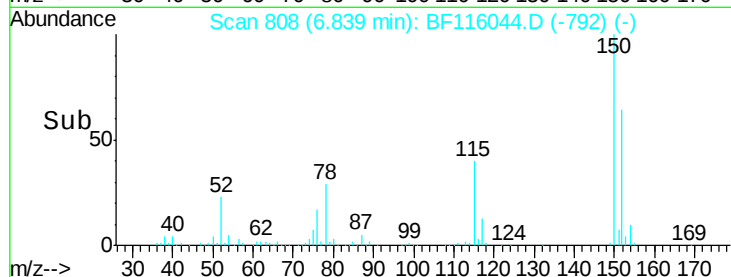
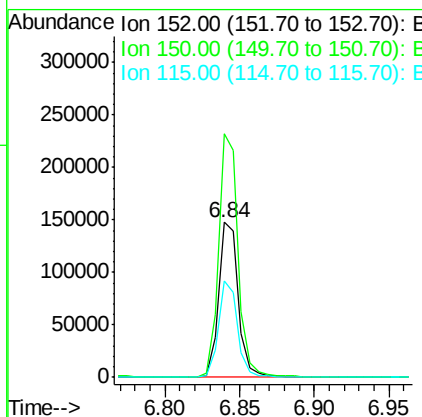
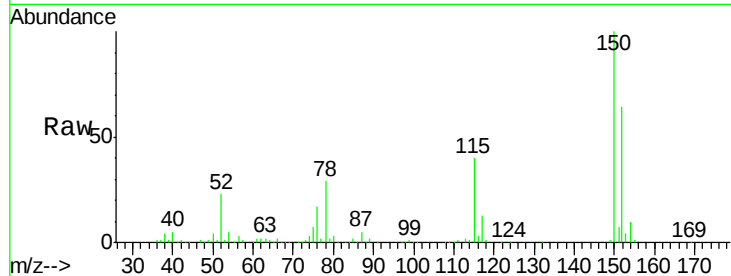
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	62.5	49.9	74.9

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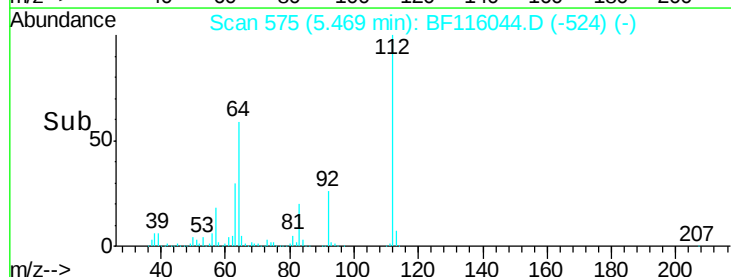
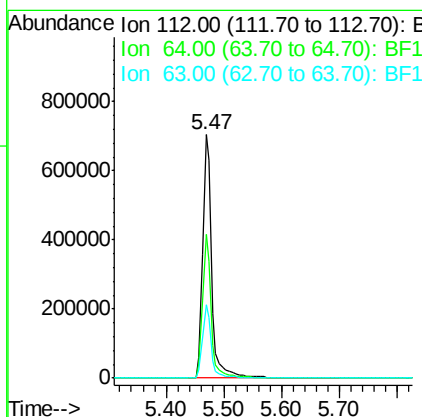
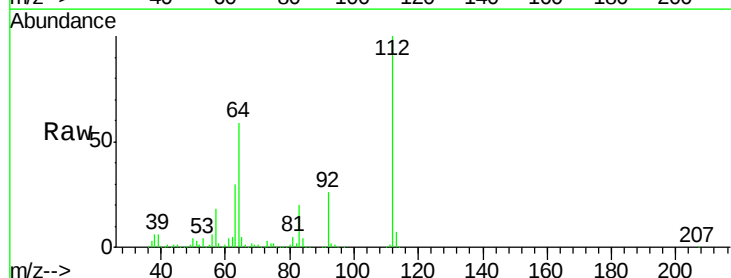
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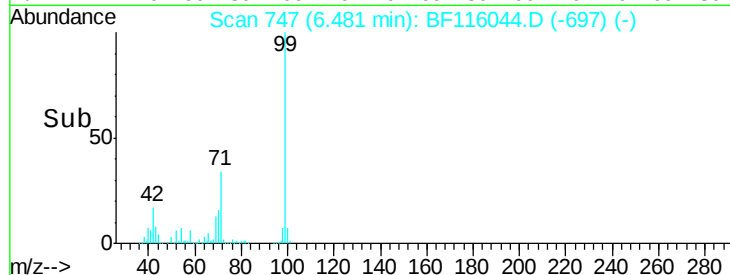
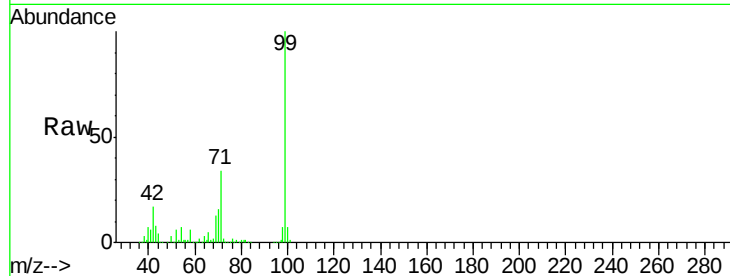


#5

2-Fluorophenol
Concen: 96.249 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	45.4	68.2
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 99.171 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116044.D

Acq: 7 Aug 2019 12:20

Tot Ion: 99 Resp: 1020899

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

71 34.0 27.3 40.9

Instrument :

BNA_F

ClientSampleId :

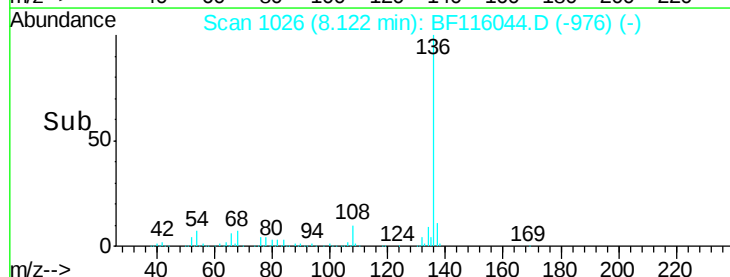
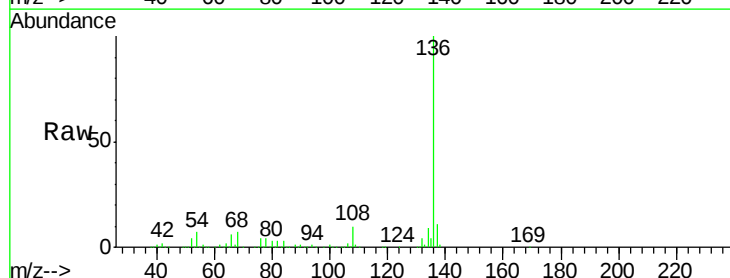
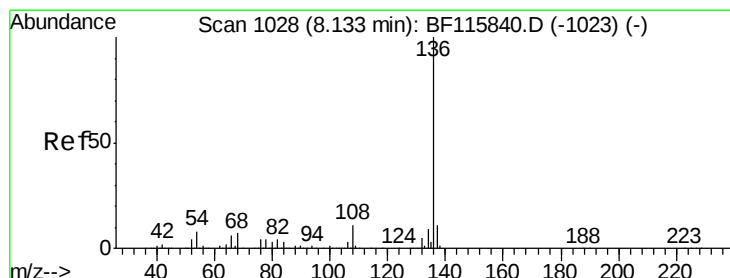
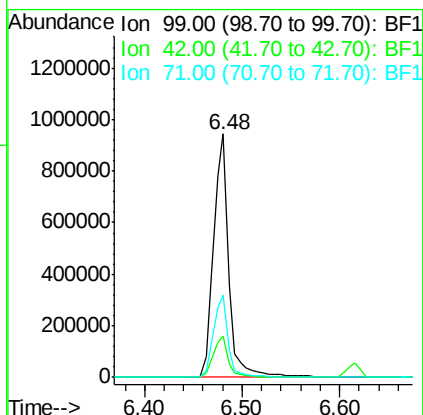
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116044.D

Acq: 7 Aug 2019 12:20

Tgt Ion: 136 Resp: 529718

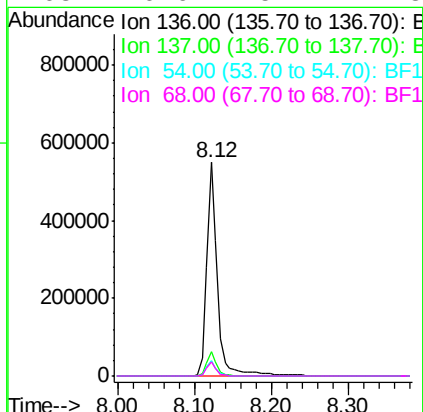
Ion Ratio Lower Upper

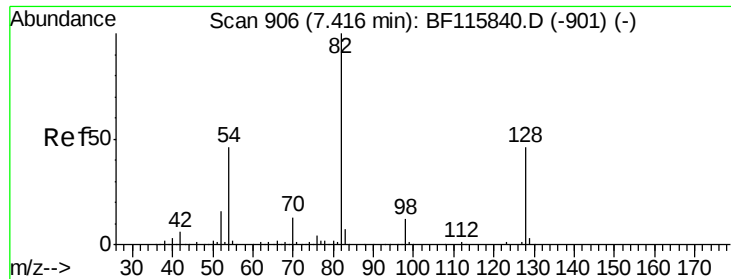
136 100

137 11.3 9.0 13.4

54 7.1 5.8 8.6

68 6.6 5.2 7.8





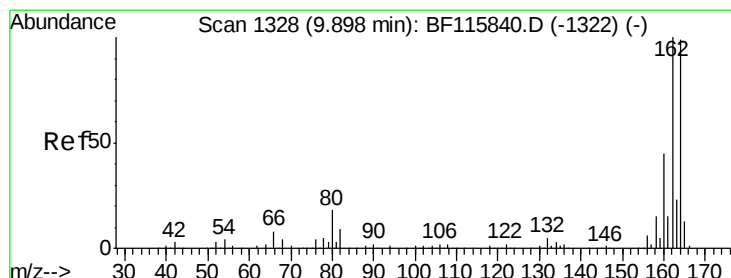
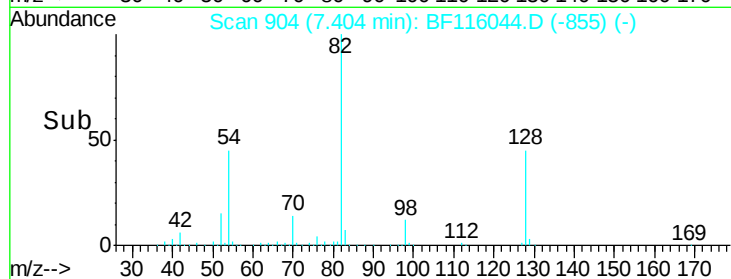
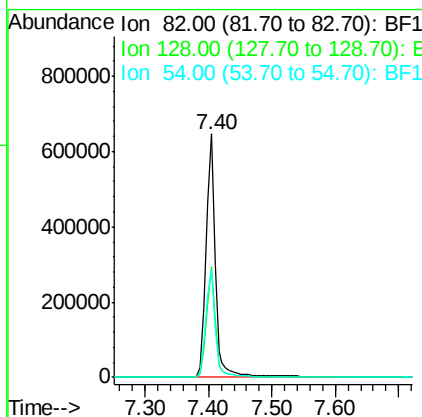
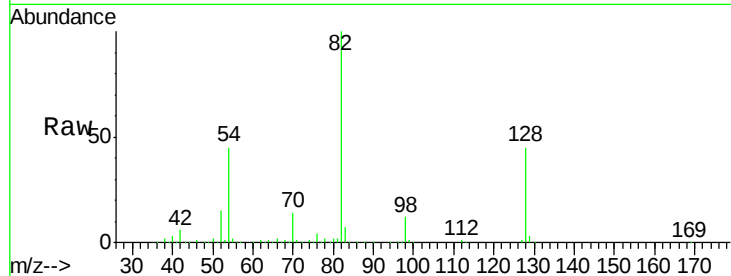
#23
Nitrobenzene-d5
Concen: 72.763 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.5	54.7
54	44.6	36.0	54.0

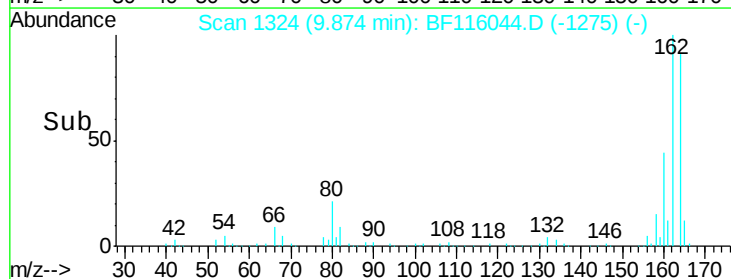
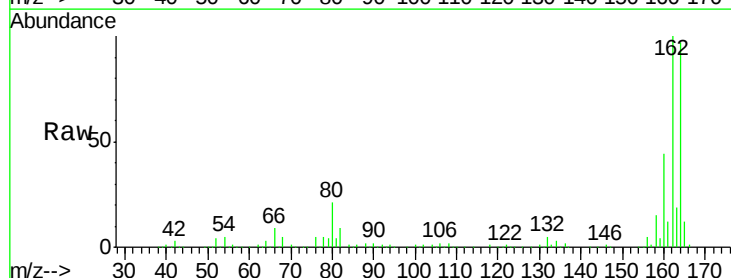
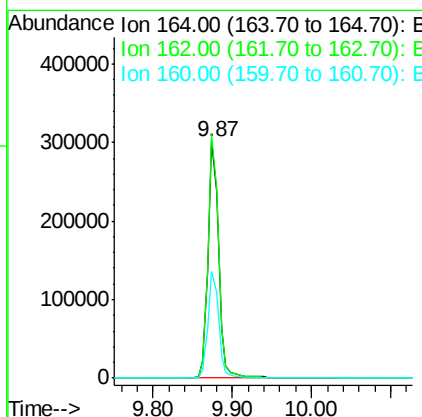
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	124.0
160	45.0	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 71.011 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116044.D

Acq: 7 Aug 2019 12:20

Instrument :

BNA_F

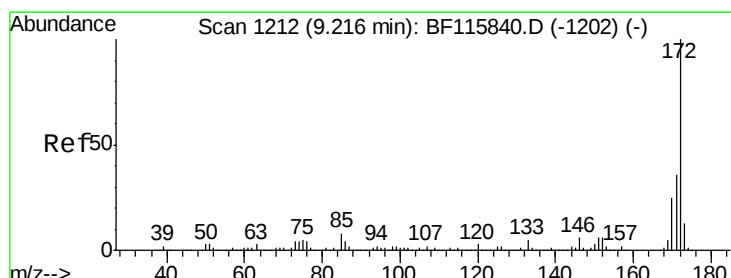
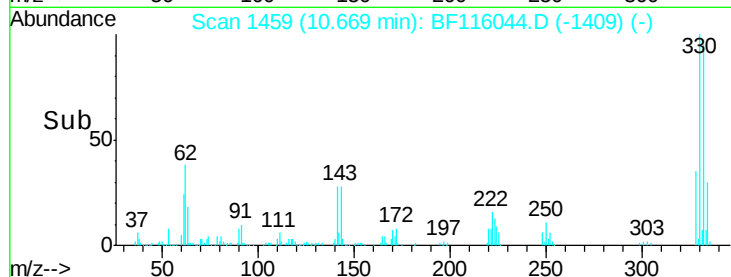
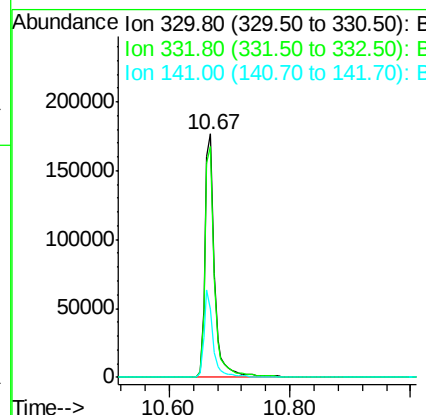
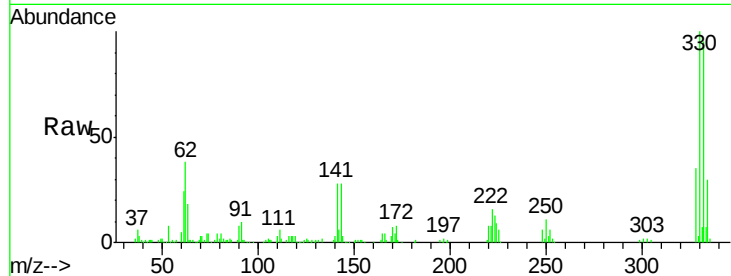
ClientSampleId :

2S-H1-H4-COMP-(0-1)

Tot Ion:	330	Resp:	197001
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.8	115.2
141	34.6	26.3	39.5

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#45

2-Fluorobiphenyl

Concen: 78.362 ng

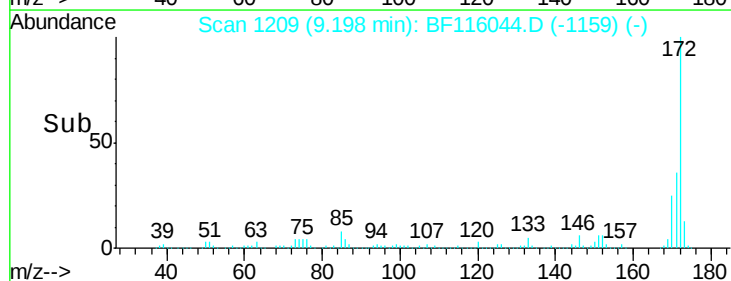
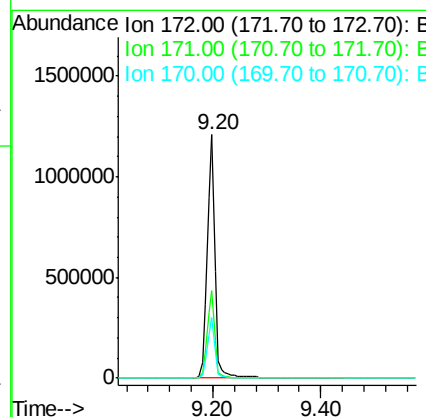
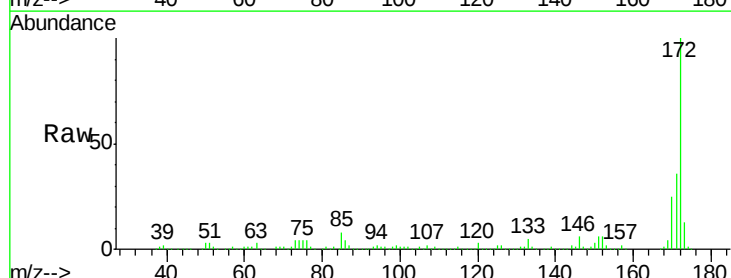
RT: 9.20 min Scan# 1209

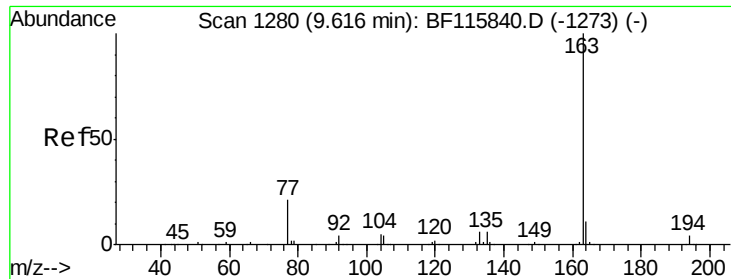
Delta R.T. -0.01 min

Lab File: BF116044.D

Acq: 7 Aug 2019 12:20

Tgt Ion:	172	Resp:	1197108
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.9	20.1	30.1





#50

Dimethylphthalate

Concen: 12.798 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116044.D

Acq: 7 Aug 2019 12:20

Instrument :

BNA_F

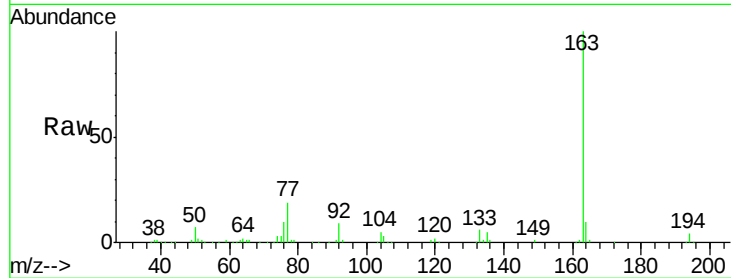
ClientSampleId :

2S-H1-H4-COMP-(0-1)

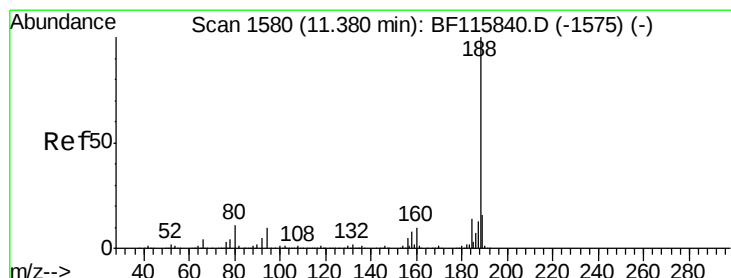
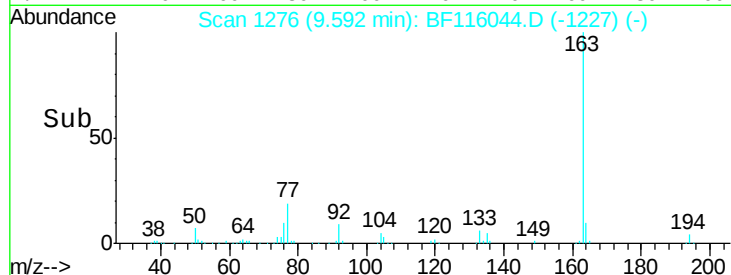
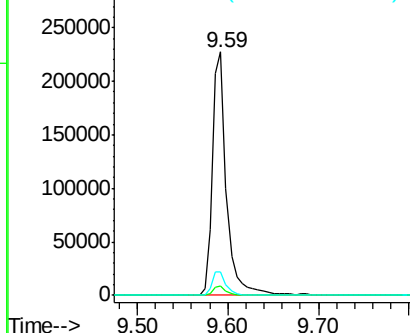
Tot Ion:	163	Resp:	249343
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	9.6	8.4	12.6

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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

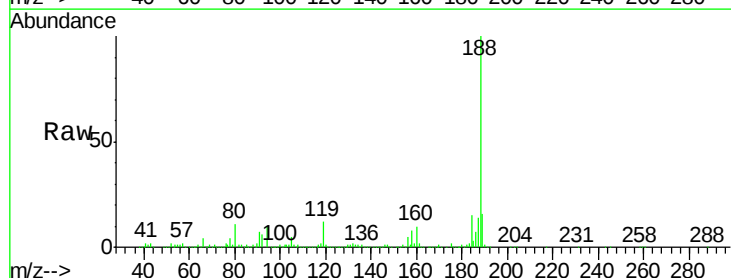
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

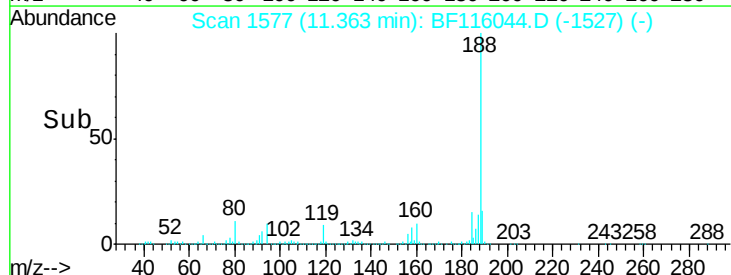
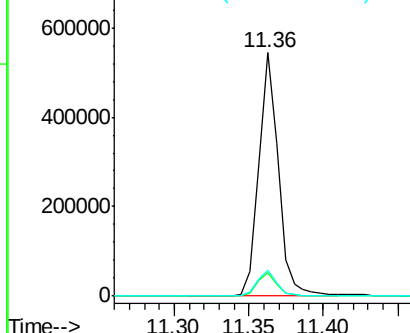
Lab File: BF116044.D

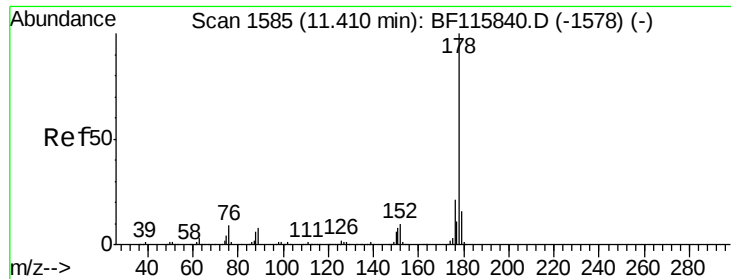
Acq: 7 Aug 2019 12:20

Tgt Ion:	188	Resp:	489715
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.1	12.1
80	10.9	8.7	13.1



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





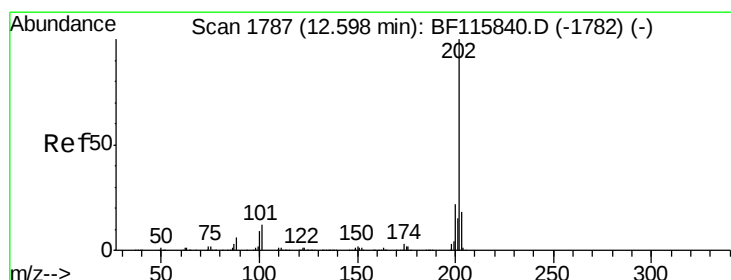
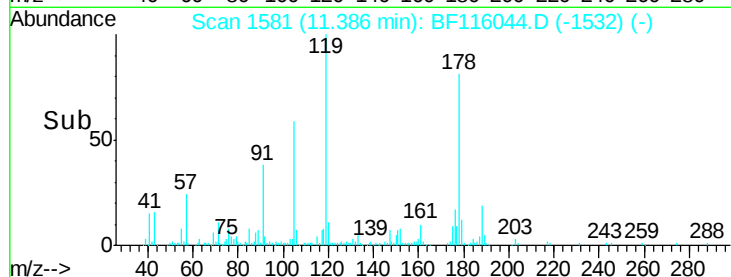
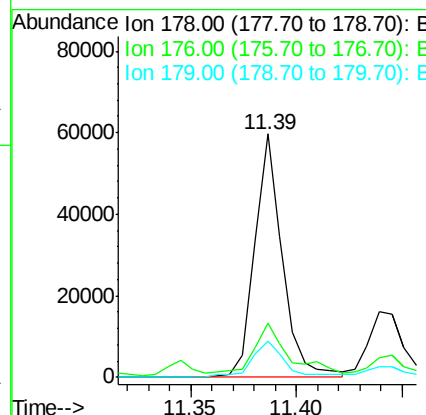
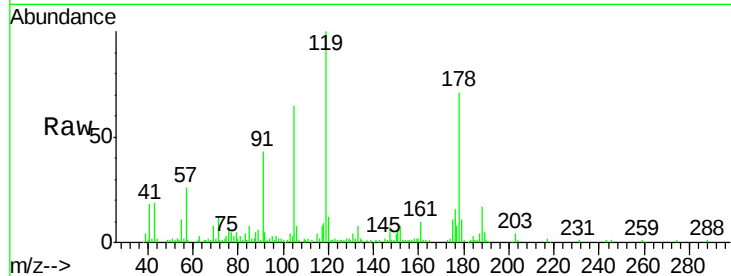
#71
Phenanthrene
Concen: 2.168 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	22.1	16.6	24.8
179	15.0	12.5	18.7

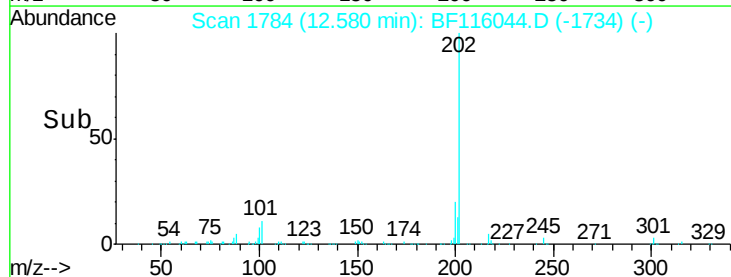
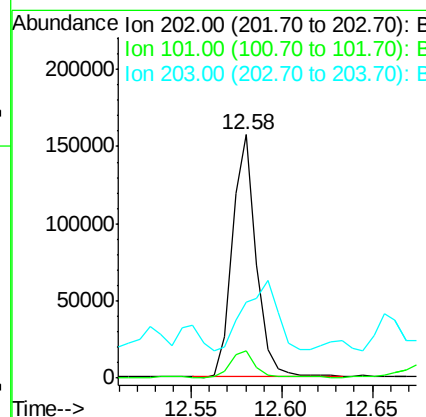
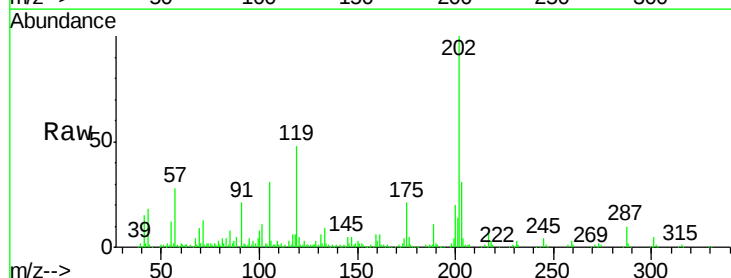
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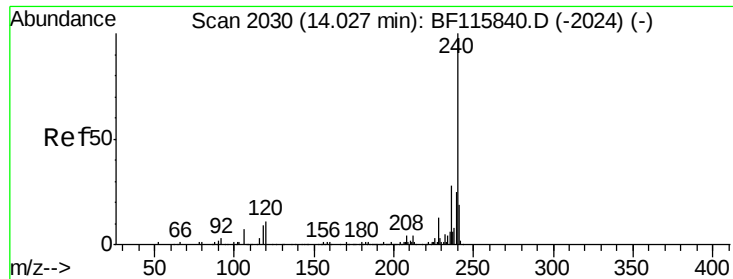
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#75
Fluoranthene
Concen: 5.496 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	31.4	0.0	37.8





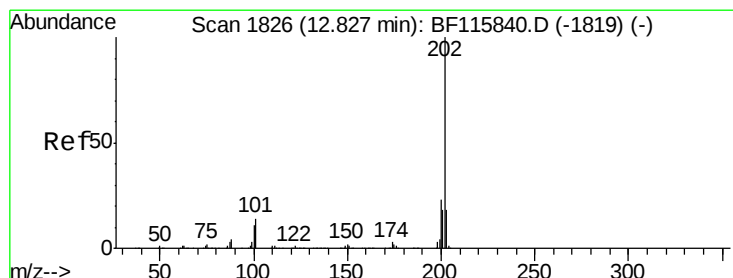
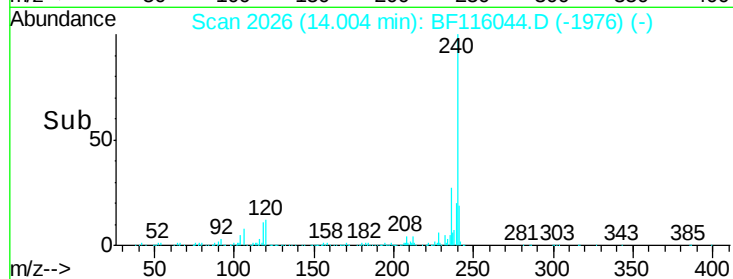
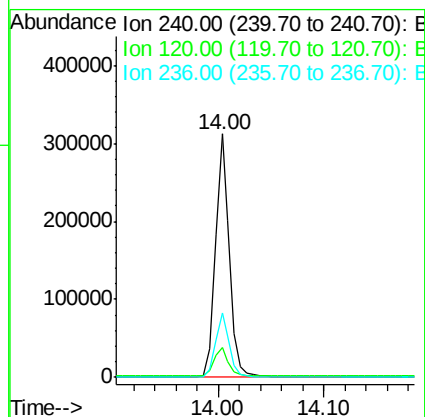
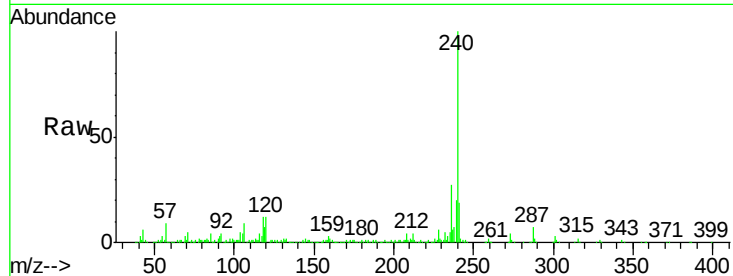
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.7	16.1
236	26.6	22.2	33.2

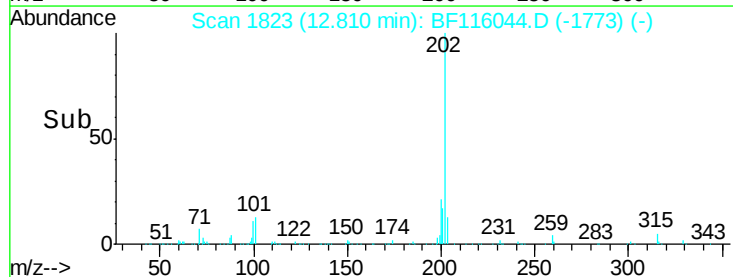
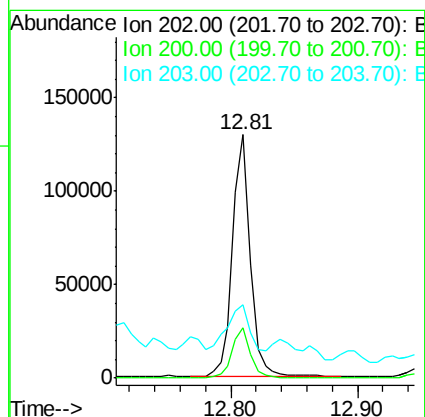
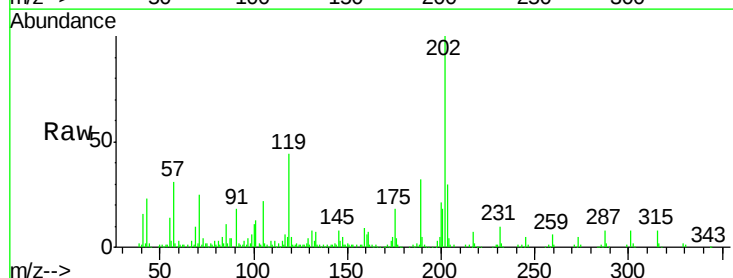
Manual Integrations
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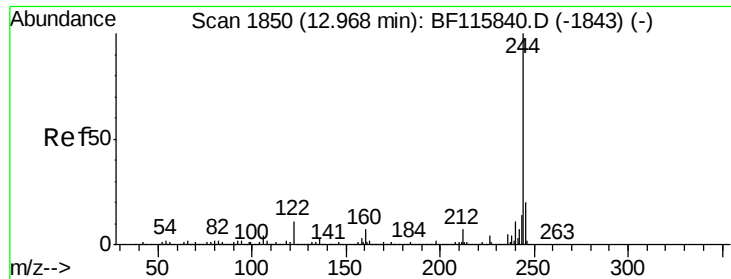
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#78
Pyrene
Concen: 5.725 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	30.4	14.1	21.1#





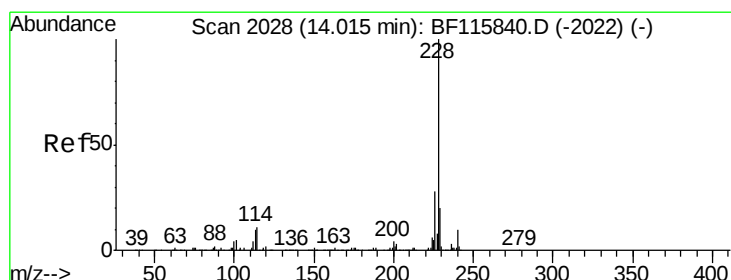
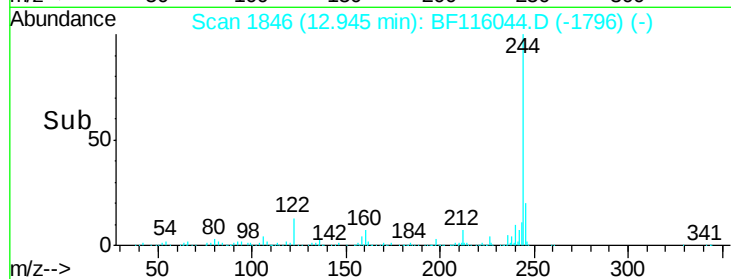
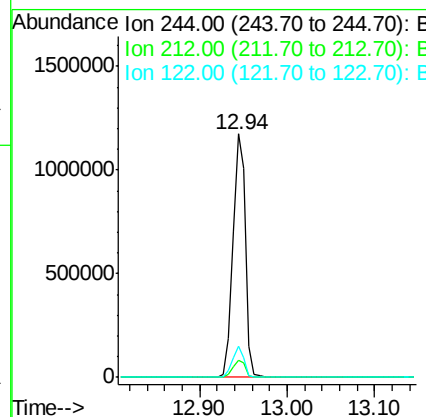
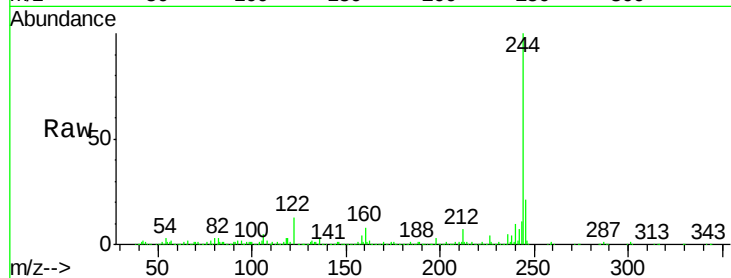
#79
 Terphenyl-d14
 Concen: 84.565 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.6	9.0	13.4

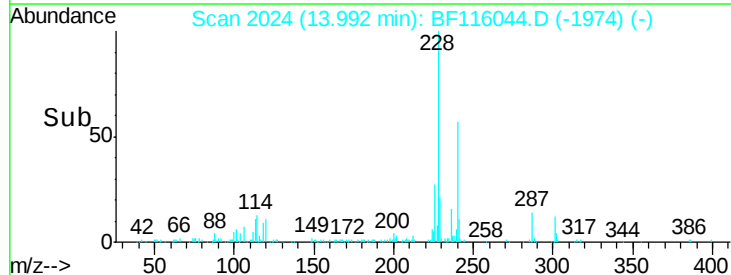
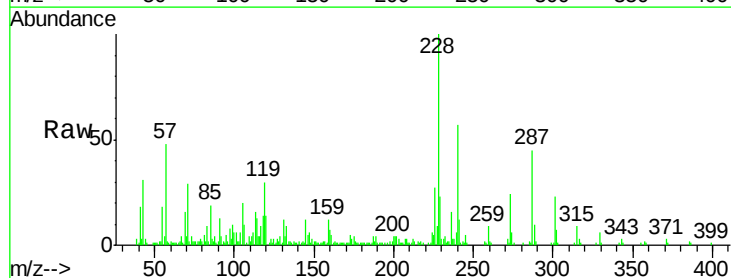
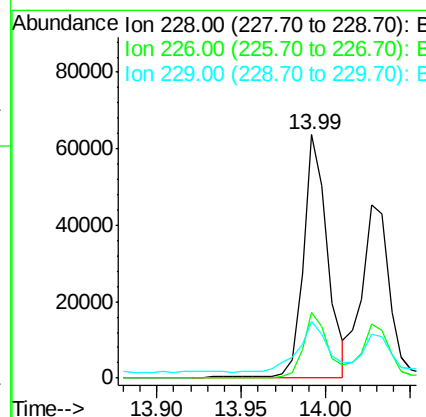
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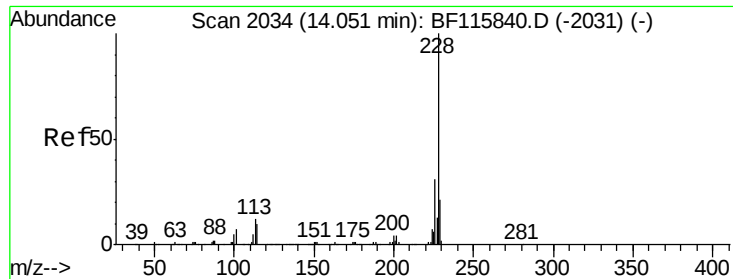
mohammad
 8/8/2019 4:46:46 PM



#81
 Benzo(a)anthracene
 Concen: 3.419 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.7	34.1
229	23.3	16.2	24.4





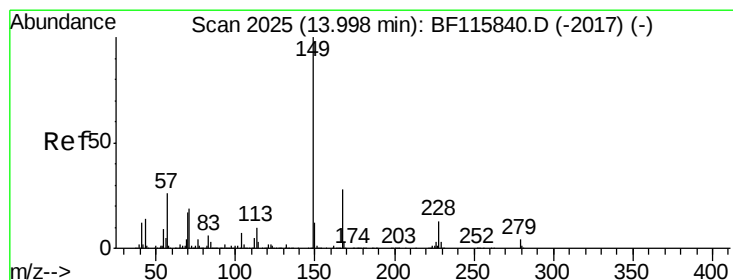
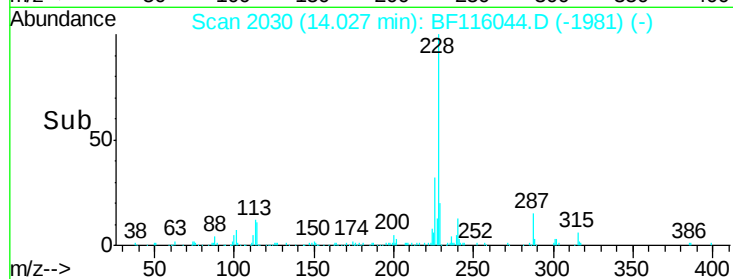
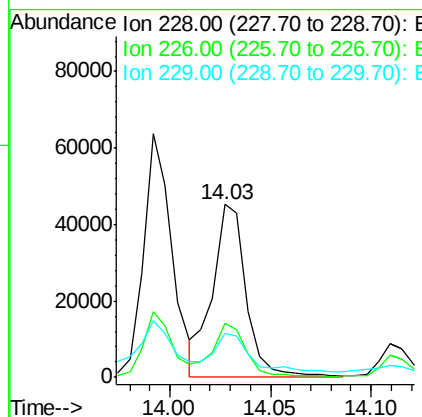
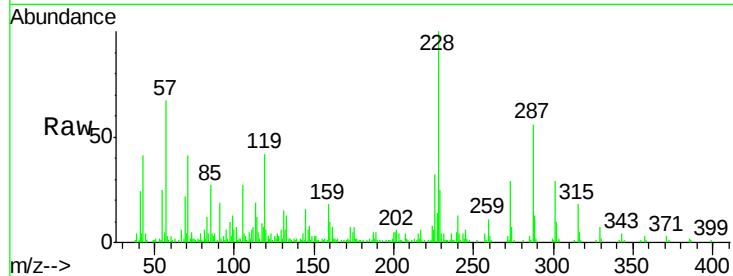
#83
 Chrvsene
 Concen: 2.961 ng/ml
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.5	38.3
229	25.1	16.6	24.8

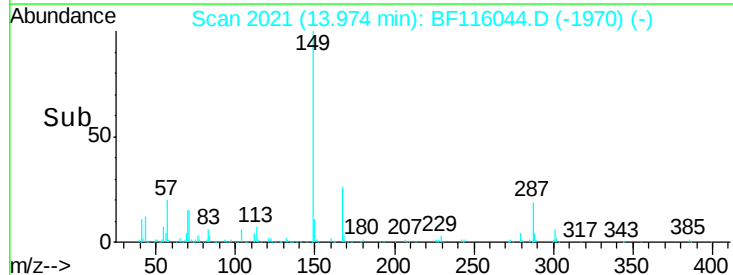
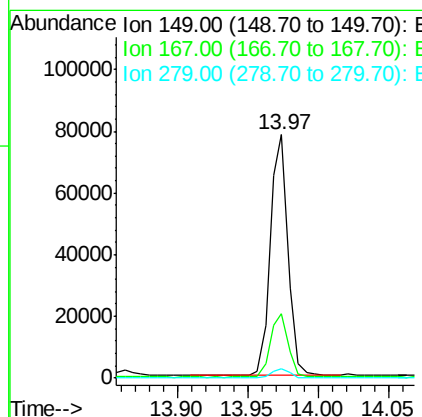
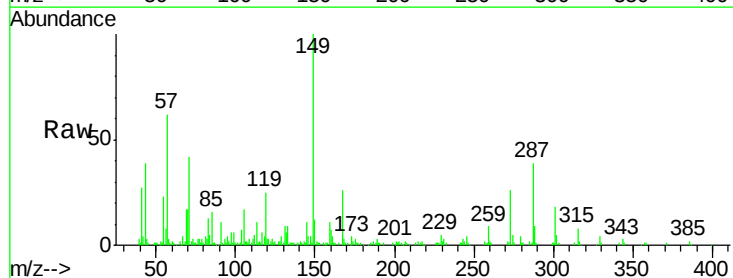
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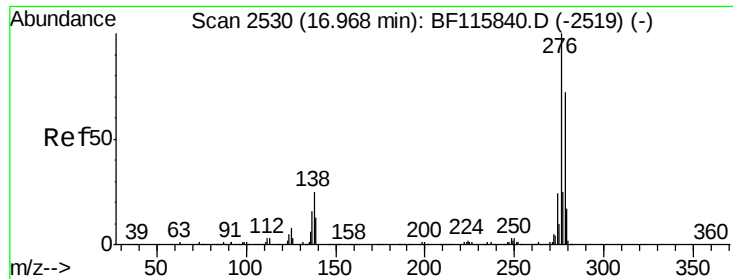
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.780 ng/ml
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.6	32.4
279	4.0	3.0	4.4





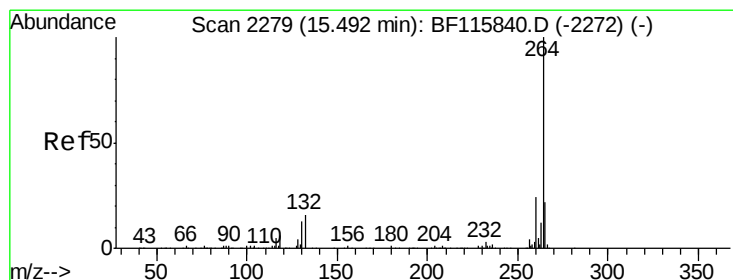
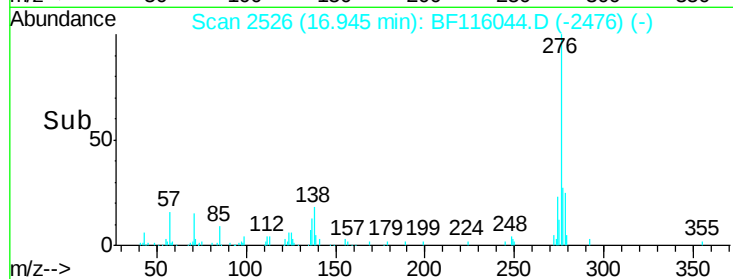
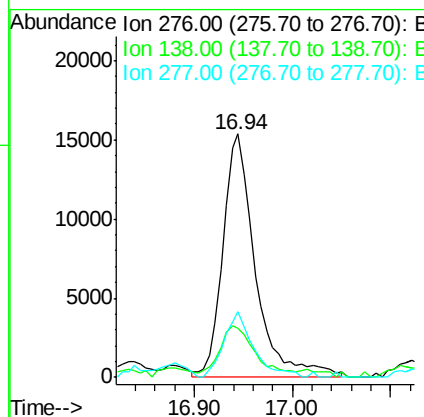
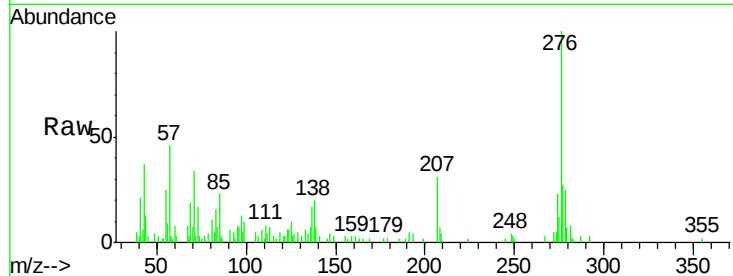
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.346 ng/ml
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)

Tot Ion:	276	Resp:	35531
Ion Ratio		Lower	Upper
276	100		
138	3.9	20.4	30.6#
277	3.9	20.0	30.0#

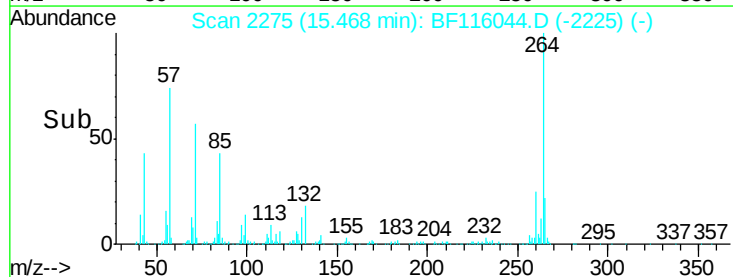
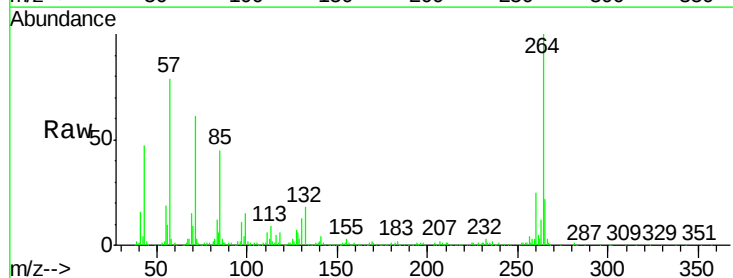
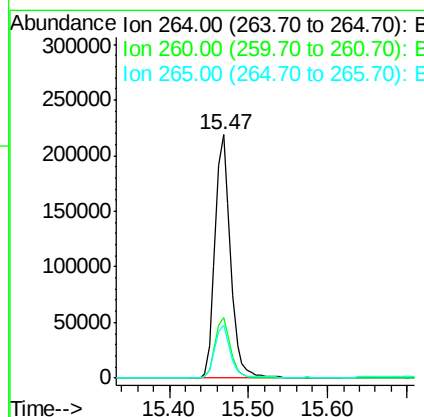
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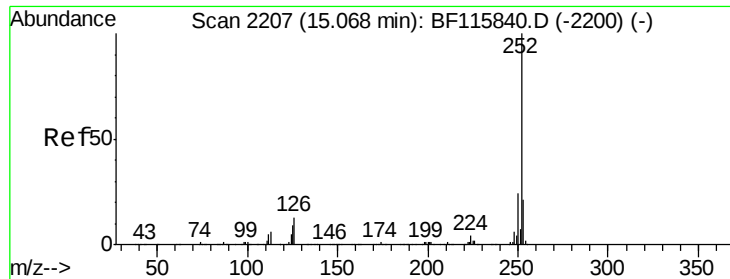
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Tgt Ion:	264	Resp:	298189
Ion Ratio		Lower	Upper
264	100		
260	24.8	19.7	29.5
265	21.5	17.4	26.0





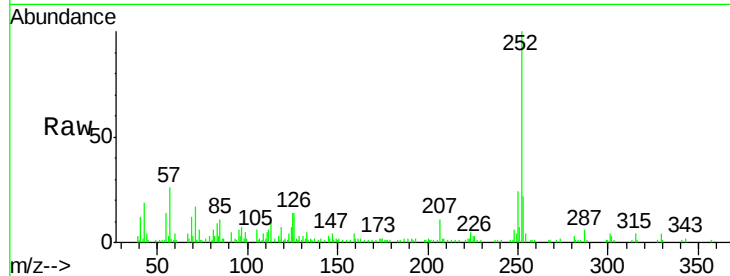
#88
Benzo(b)fluoranthene
Concen: 3.737 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	13.7	8.4	12.6

Manual Integrations
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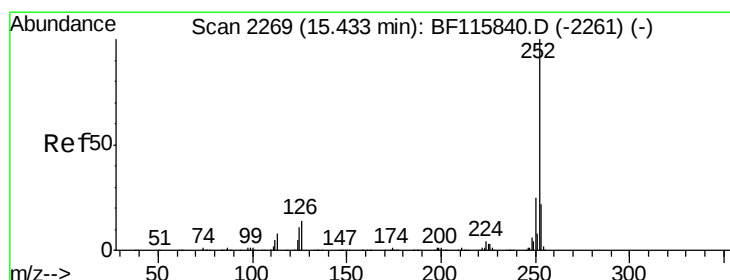
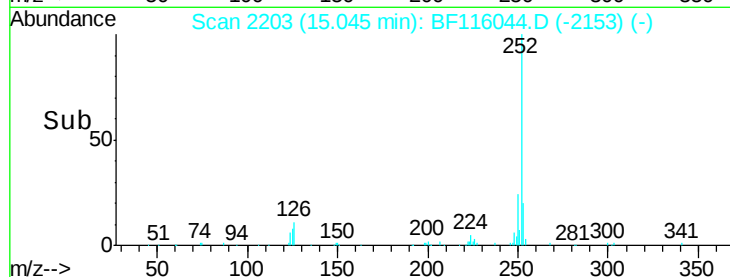
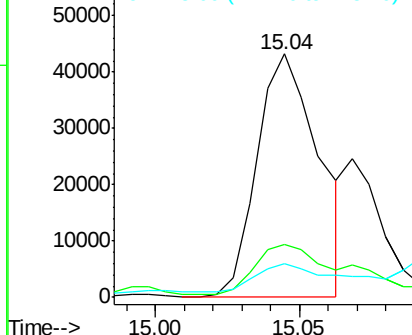


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.122 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116044.D
Acq: 7 Aug 2019 12:20

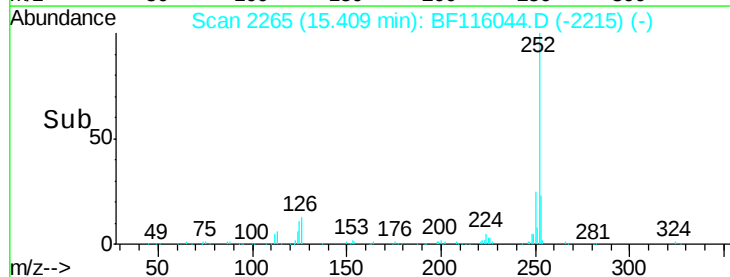
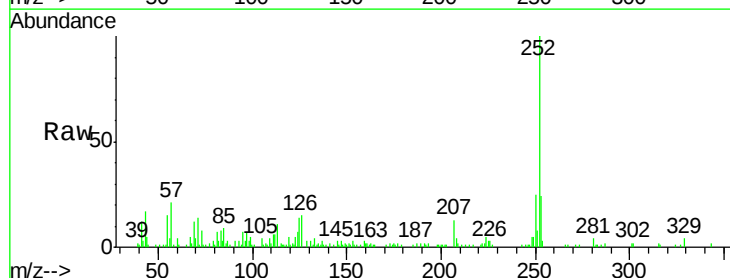
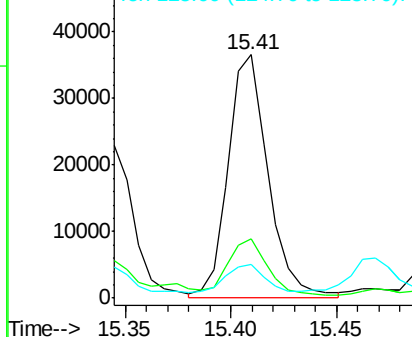
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	13.8	8.9	13.3

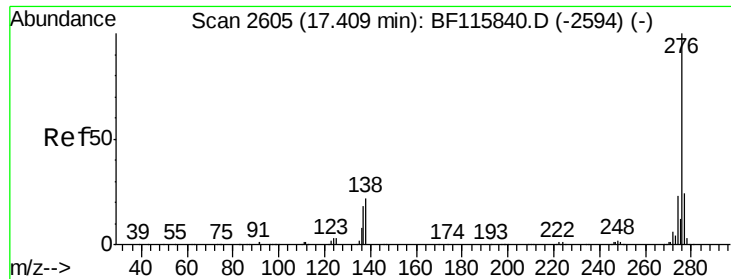
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





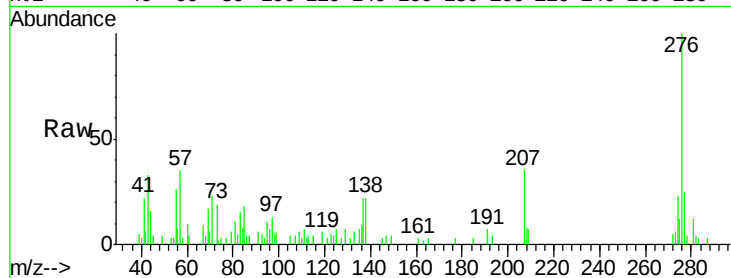
#92
 Benzo(a,h,i)perylene
 Concen: 2.326 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.00 min
 Lab File: BF116044.D
 Acq: 7 Aug 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)

Tot Ion	Ion	Ratio	Lower	Upper
30474	276	100		
	277	25.1	18.4	27.6
	138	21.9	17.0	25.6

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

