

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116388.D
 Acq On : 19 Aug 2019 14:30
 Operator : HP/JU
 Sample : K4223-27
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-14

Manual Integrations
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mohammad
 8/22/2019 12:45:16 PM

Quant Time: Aug 19 16:36:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	133070	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	497866	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	245673	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	345498	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	221050	20.00	ng	-0.02
87) Perylene-d12	15.42	264	249277	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	866075	108.95	ng	0.00
7) Phenol-d6	6.45	99	1109592	110.64	ng	-0.01
23) Nitrobenzene-d5	7.37	82	706484	81.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	224629	94.31	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1007995	76.85	ng	-0.01
79) Terphenyl-d14	12.90	244	733511	69.92	ng	-0.02
Target Compounds						
10) Phenol	6.46	94	28040	2.374	ng	Qvalue 83
50) Dimethylphthalate	9.55	163	235438	14.075	ng	100
71) Phenanthrene	11.35	178	349569	19.791	ng	99
72) Anthracene	11.40	178	86622	4.846	ng	98
75) Fluoranthene	12.54	202	607577	32.858	ng	100
78) Pyrene	12.77	202	533366	32.009	ng	99
81) Benzo(a)anthracene	13.96	228	344555	24.387	ng	98
83) Chrysene	13.99	228	318757	23.238	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	91782	7.967	ng	95
88) Benzo(b)fluoranthene	15.00	252	314187m	21.798	ng	
89) Benzo(k)fluoranthene	15.03	252	104685m	7.457	ng	
90) Benzo(a)pyrene	15.37	252	209516	16.261	ng	97
91) Dibenzo(a,h)anthracene	16.90	278	25174	2.257	ng	# 81
92) Benzo(g,h,i)perylene	17.35	276	86183	7.868	ng	# 91

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

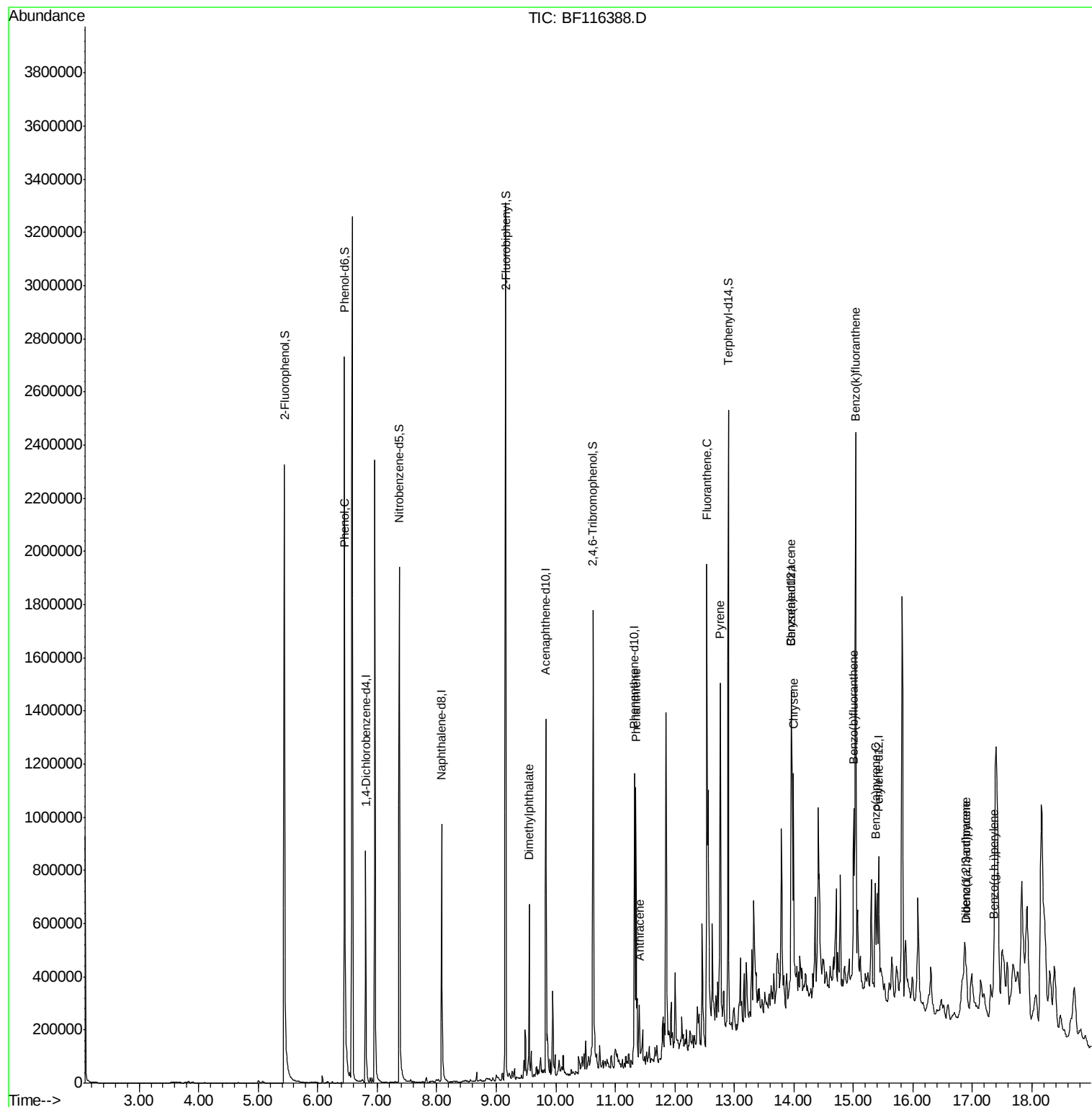
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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ALS Vial : 10 Sample Multiplier: 1

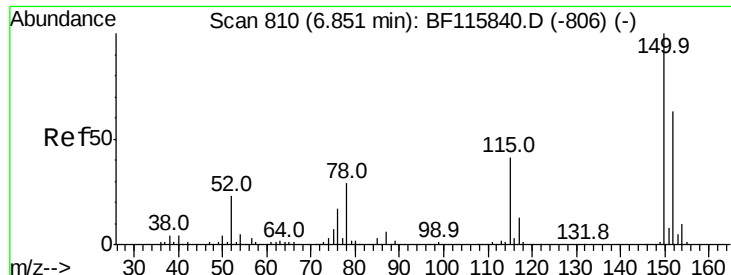
Instrument :
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Quant Time: Aug 19 16:36:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

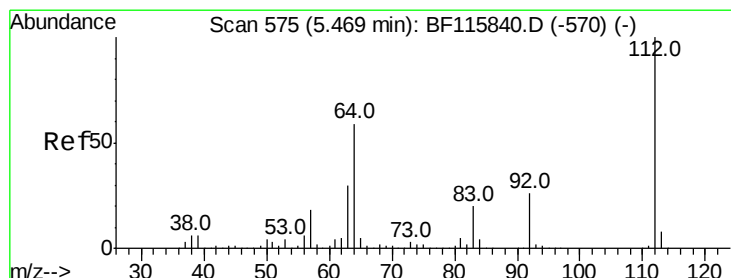
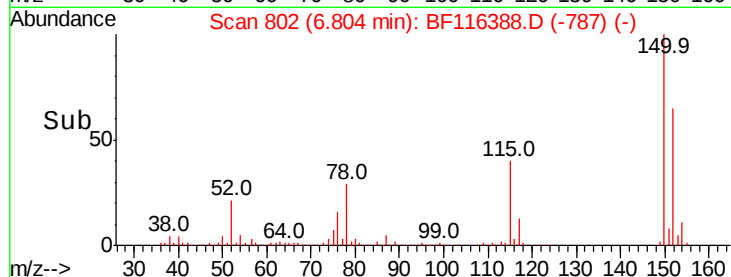
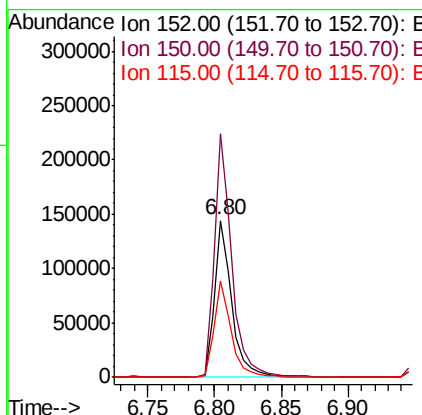
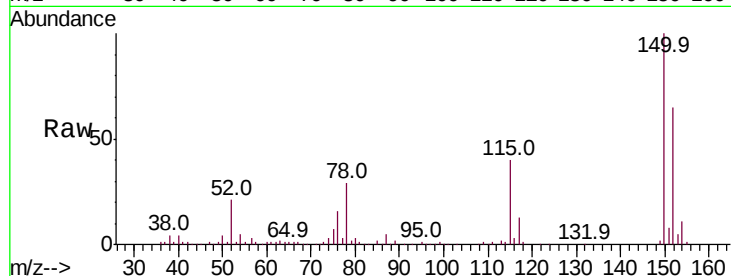
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Instrument :
BNA_F
ClientSampleId :
SP-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	61.3	49.9	74.9

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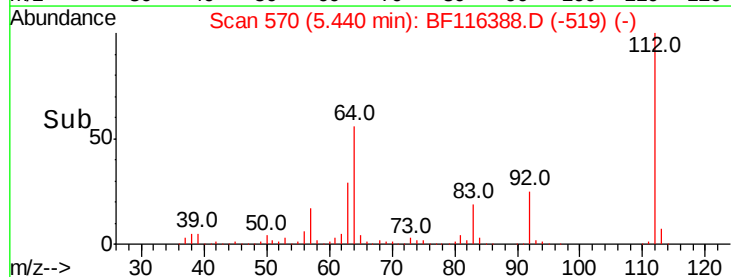
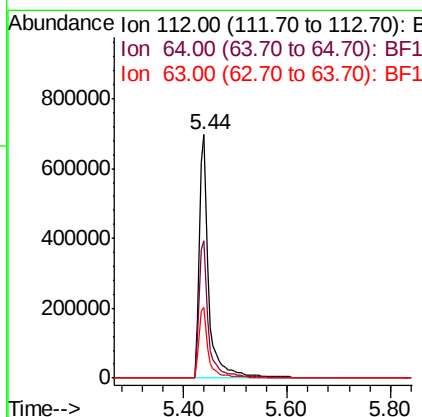
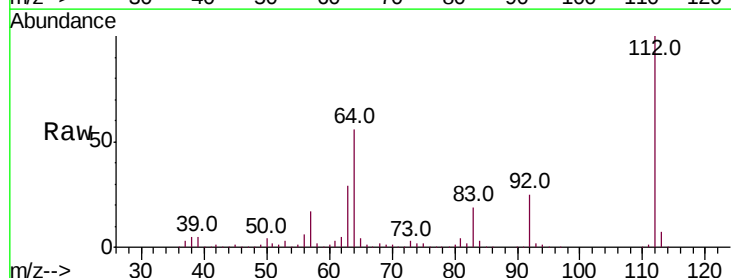
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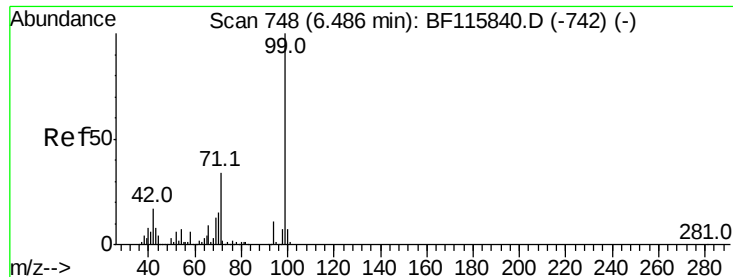


#5

2-Fluorophenol
Concen: 108.955 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.4	68.2
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 110.639 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

ClientSampled :

SP-14

Tot Ion: 99 Resp: 1109592

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

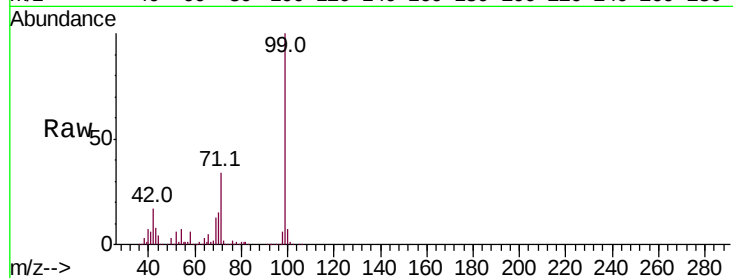
71 34.4 27.3 40.9

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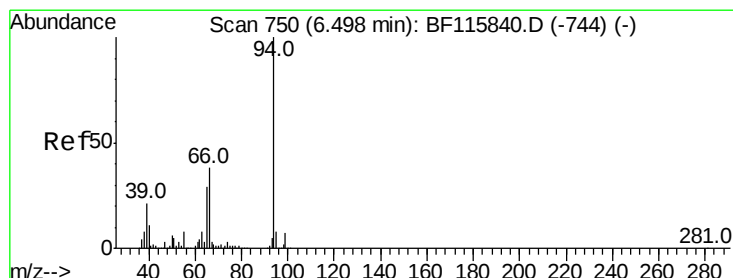
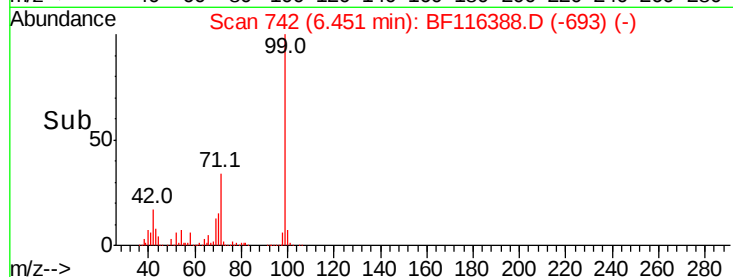
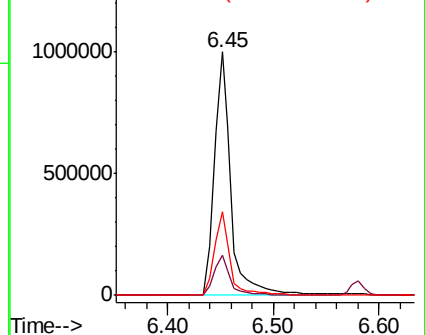
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.374 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

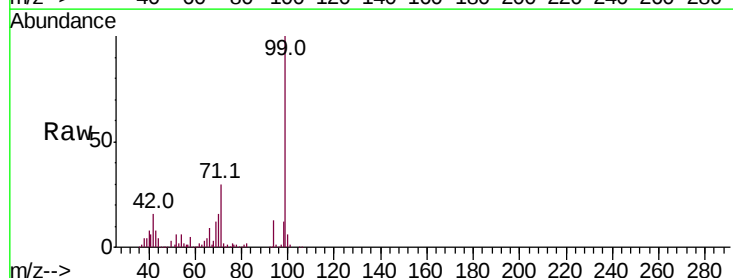
Tgt Ion: 94 Resp: 28040

Ion Ratio Lower Upper

94 100

65 33.1 16.8 56.8

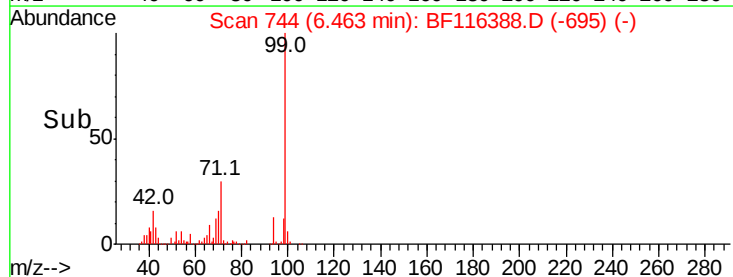
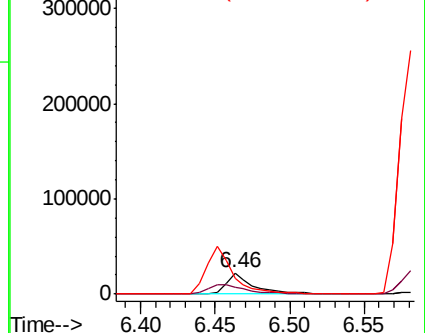
66 71.4 34.2 74.2

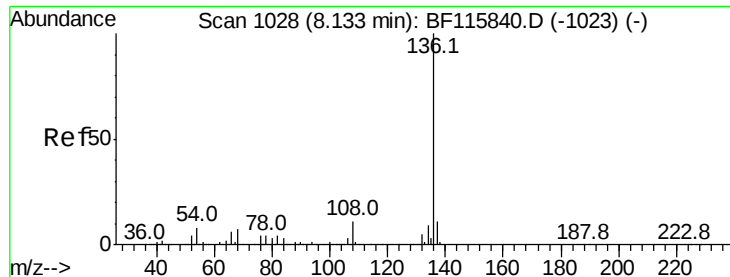


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

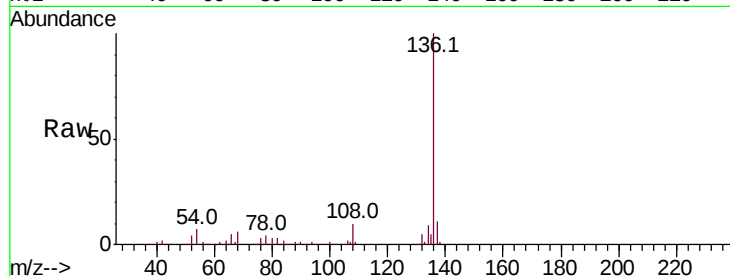
ClientSampled :

SP-14

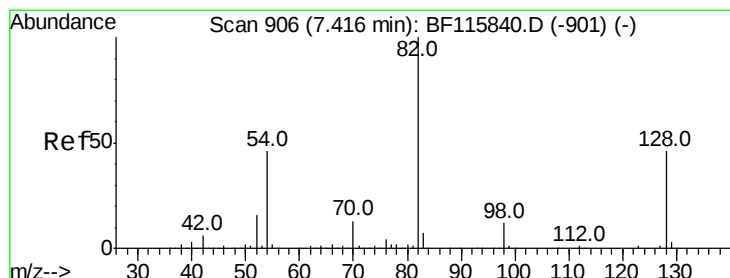
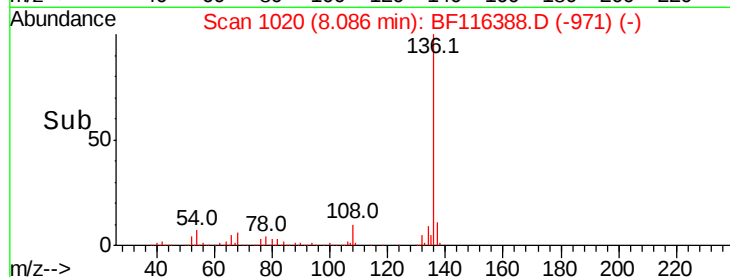
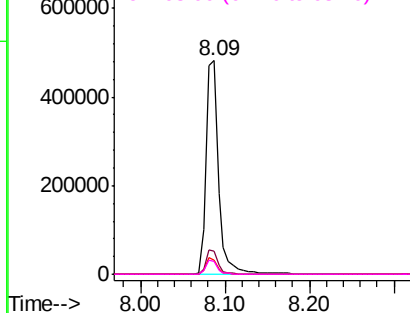
Tot Ion	Ratio	Resp	Lower	Upper
136	100	497866		
137	10.7		9.0	13.4
54	6.6		5.8	8.6
68	5.7		5.2	7.8

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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: 81.910 ng

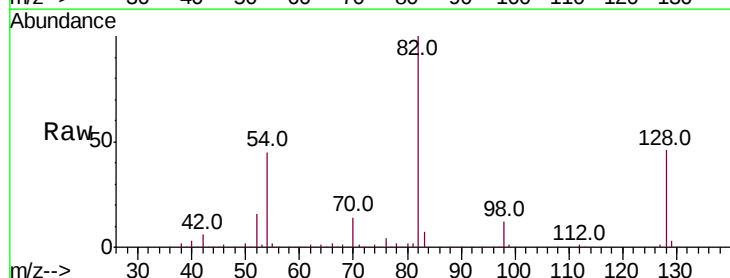
RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

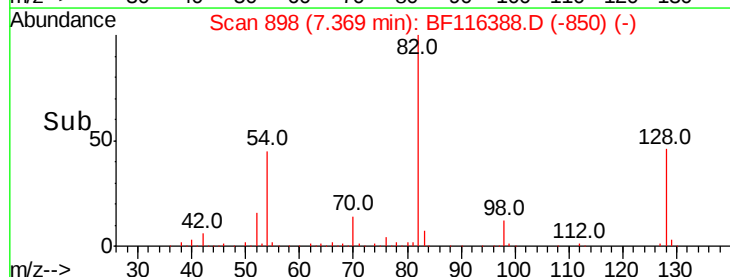
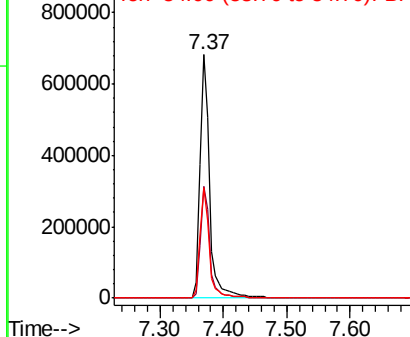
Lab File: BF116388.D

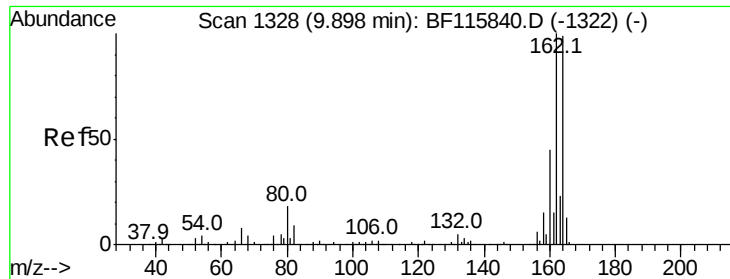
Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	706484		
128	45.7		36.5	54.7
54	45.3		36.0	54.0



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





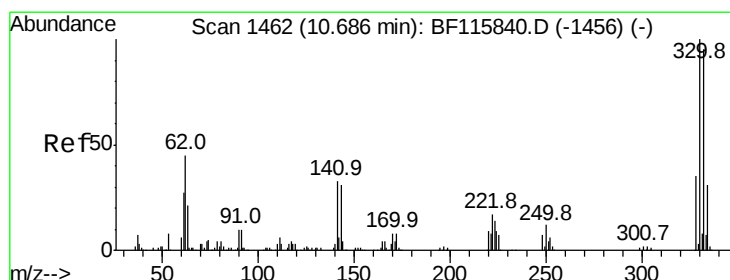
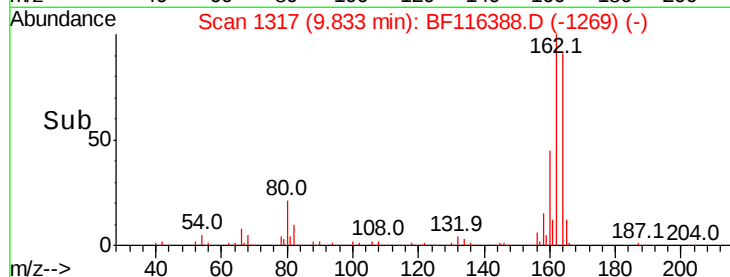
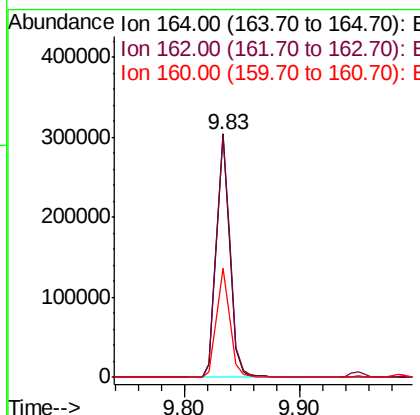
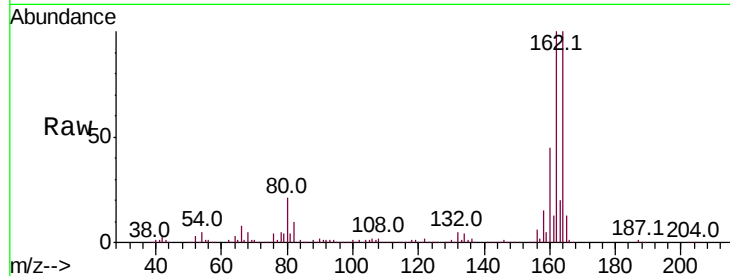
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF116388.D
 Acq: 19 Aug 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-14

Tot Ion	Ratio	Resp	Lower	Upper
164	100	245673		
162	99.6	82.6	124.0	
160	44.9	37.6	56.4	

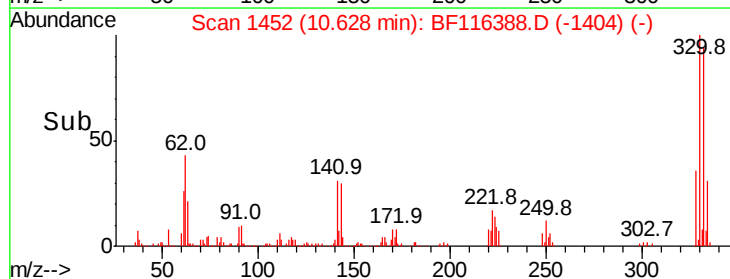
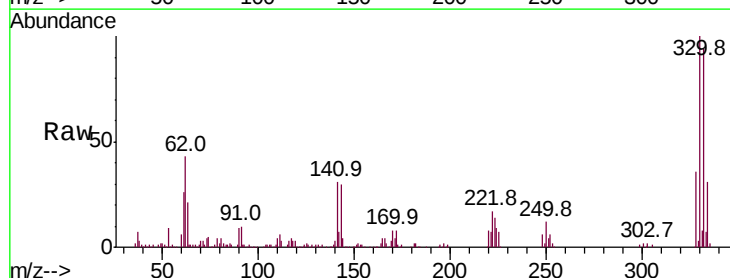
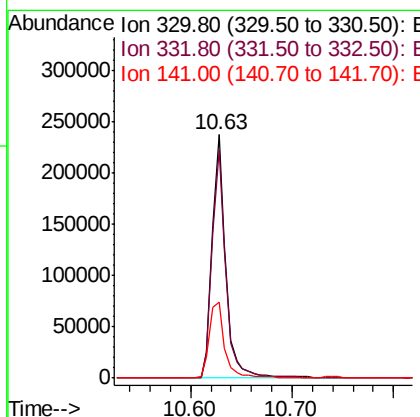
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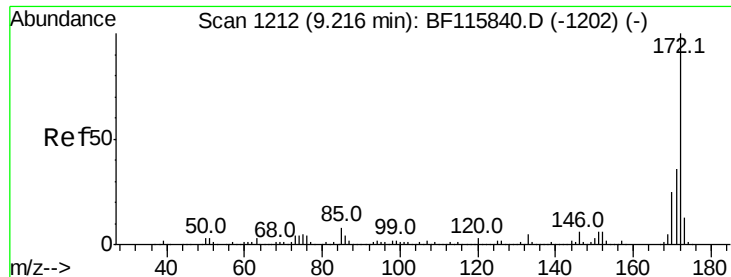
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#42
 2,4,6-Tribromophenol
 Concen: 94.308 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116388.D
 Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	224629		
332	94.5	76.8	115.2	
141	35.7	26.3	39.5	





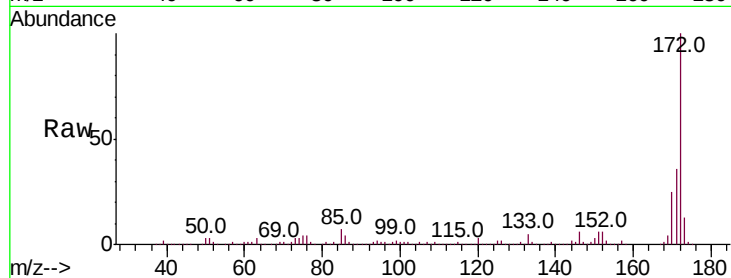
#45
2-Fluorobiphenyl
Concen: 76.852 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Instrument :
BNA_F
ClientSampleId :
SP-14

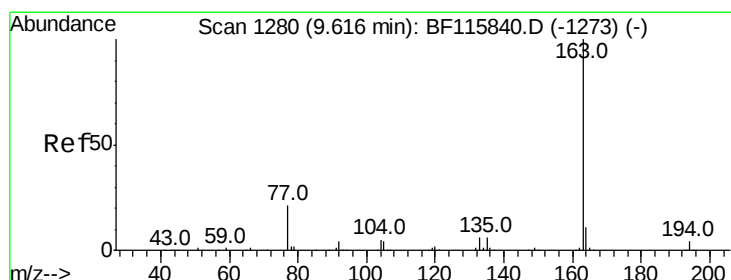
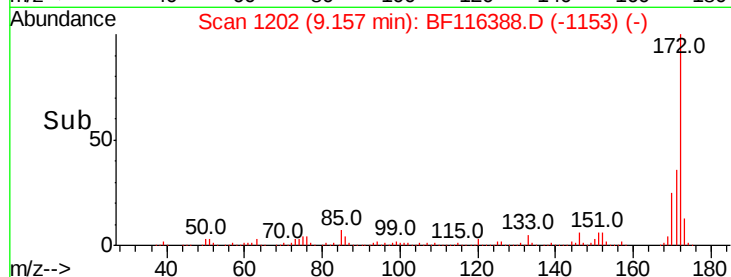
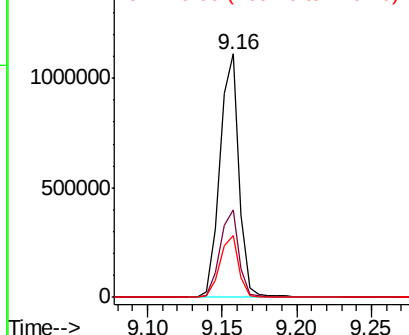
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	25.3	20.1	30.1

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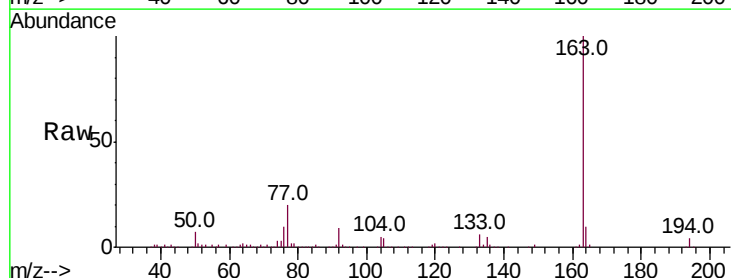


Abundance Ion 172.00 (171.70 to 172.70): E
1500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

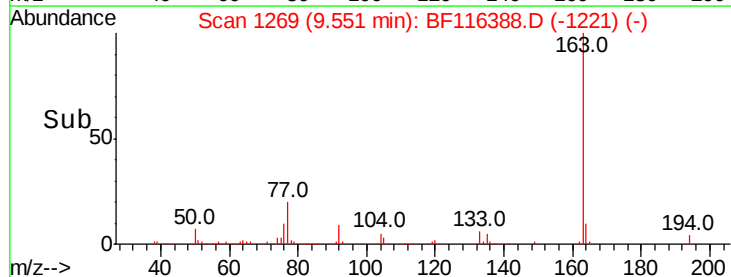
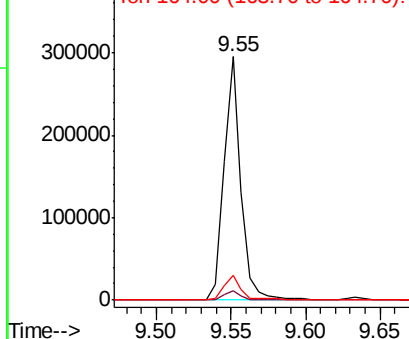


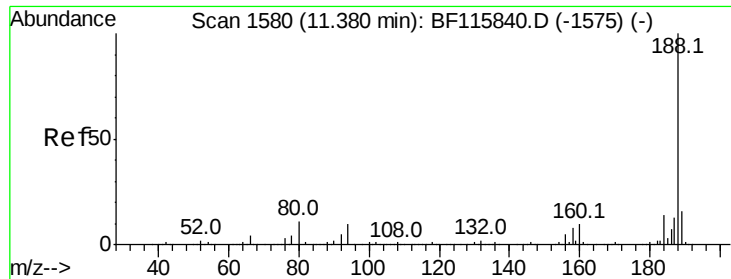
#50
Dimethylphthalate
Concen: 14.075 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.4	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
400000 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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

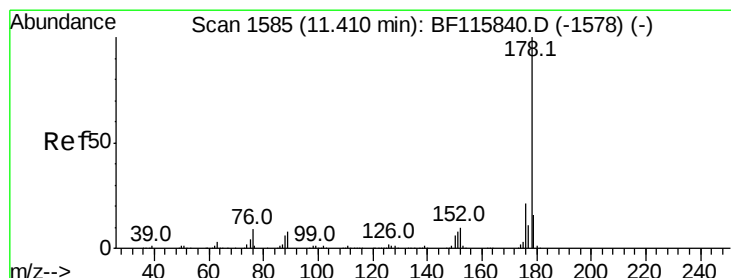
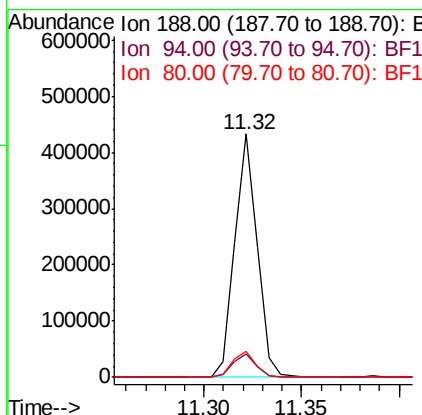
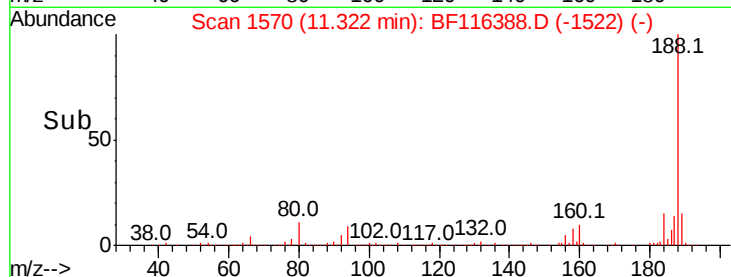
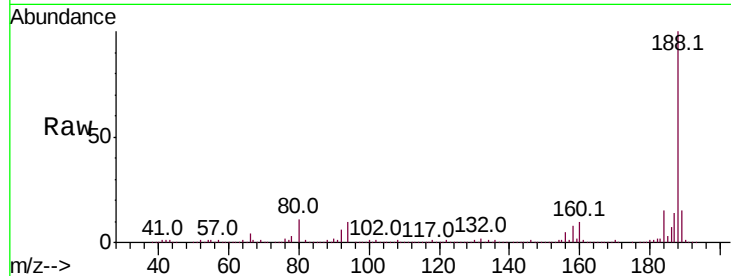
ClientSampled :

SP-14

Tot Ion	Ratio	Resp	Lower	Upper
188	100	345498		
94	9.7	8.1	12.1	
80	10.7	8.7	13.1	

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#71

Phenanthrene

Concen: 19.791 ng

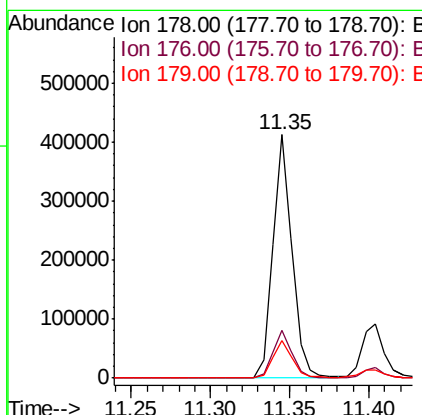
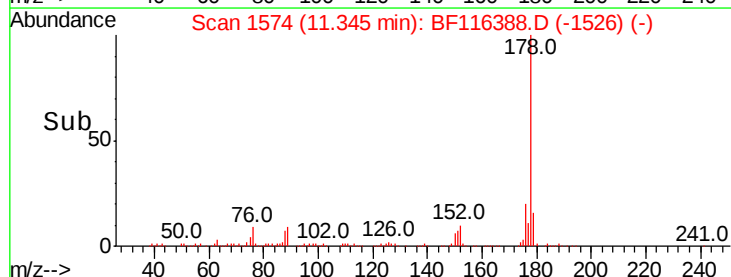
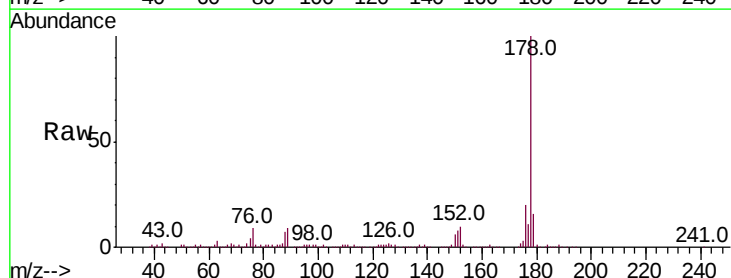
RT: 11.35 min Scan# 1574

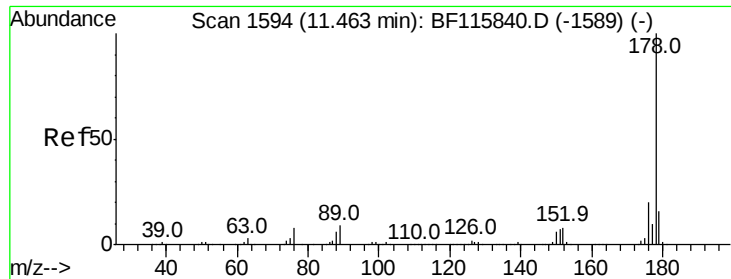
Delta R.T. -0.02 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	349569		
176	19.6	16.6	24.8	
179	15.6	12.5	18.7	





#72

Anthracene

Concen: 4.846 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

ClientSampled :

SP-14

Tot Ion:178 Resp: 86622

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

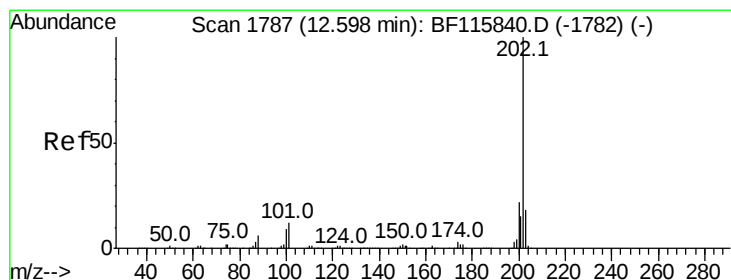
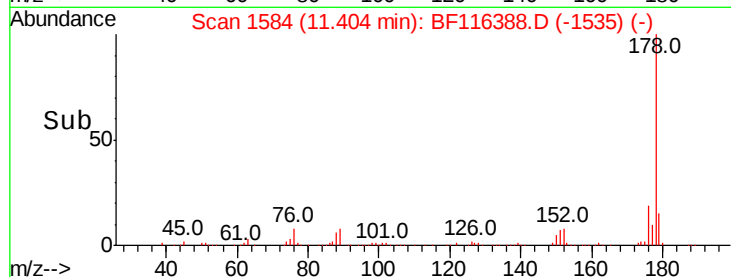
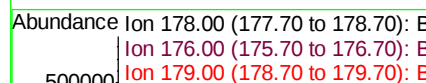
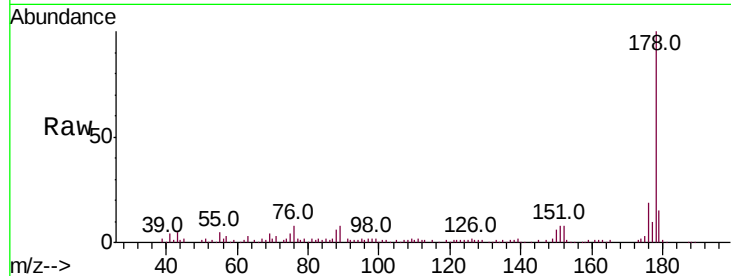
179 15.4 13.0 19.6

Manual Integrations

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#75

Fluoranthene

Concen: 32.858 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

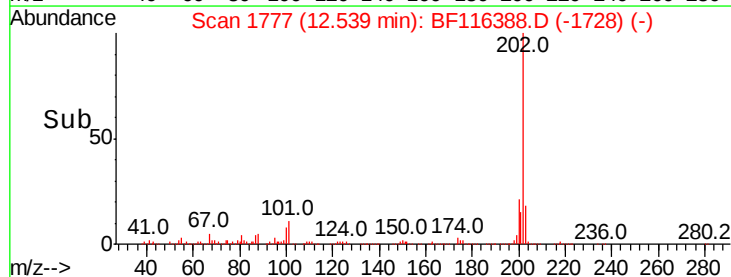
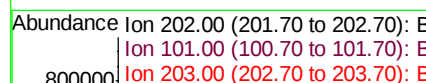
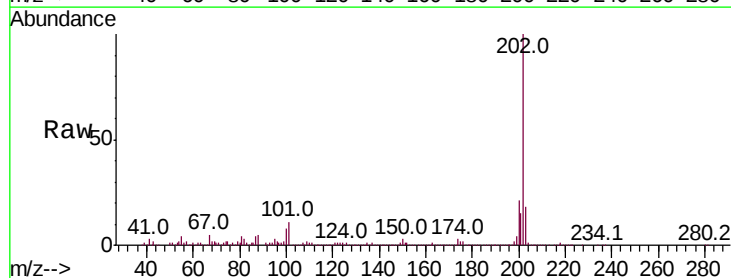
Tgt Ion:202 Resp: 607577

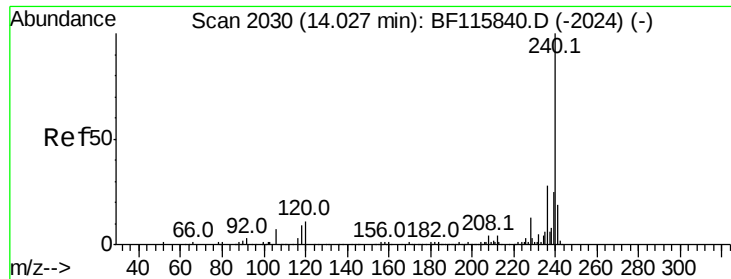
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.2

203 17.7 0.0 37.8





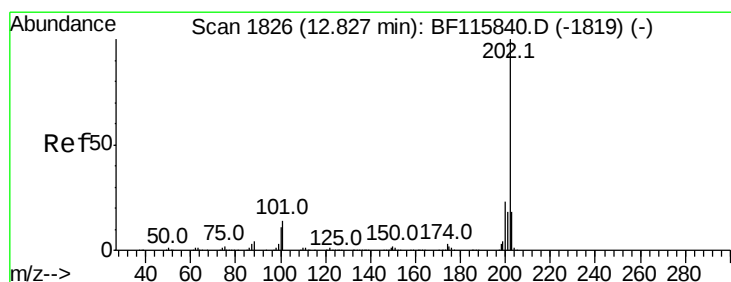
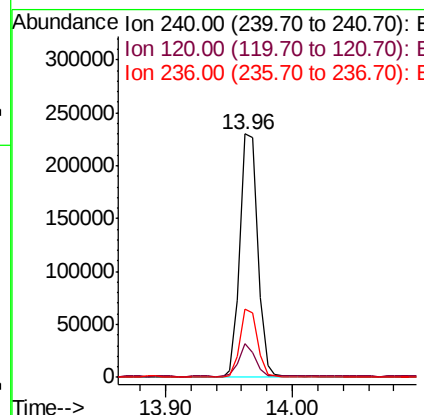
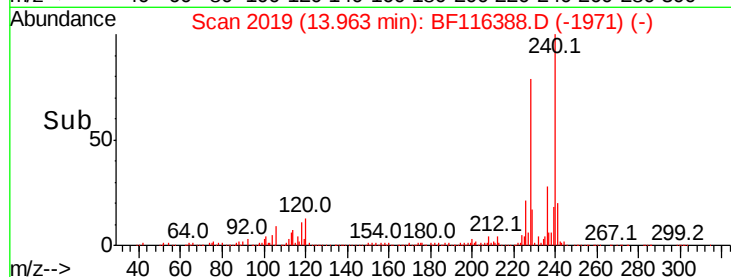
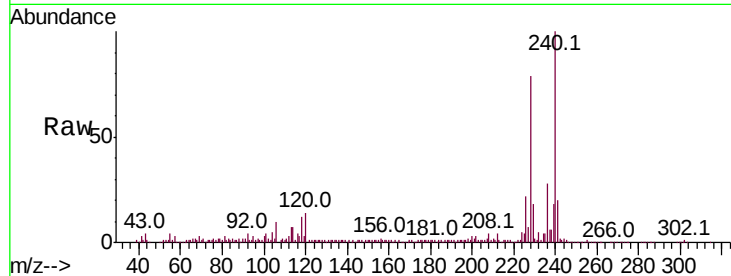
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF116388.D
 Acq: 19 Aug 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-14

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	10.7	16.1
236	27.9	22.2	33.2

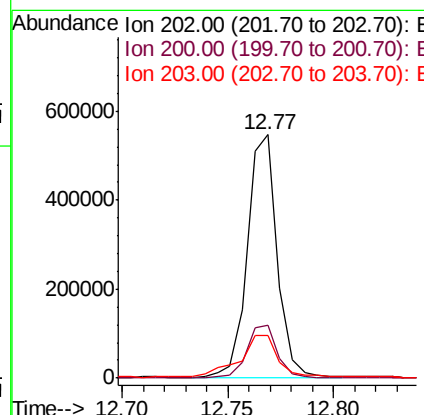
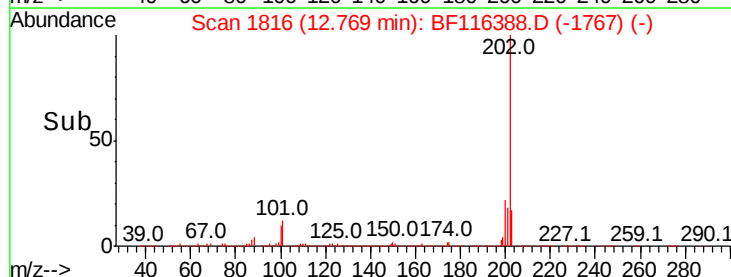
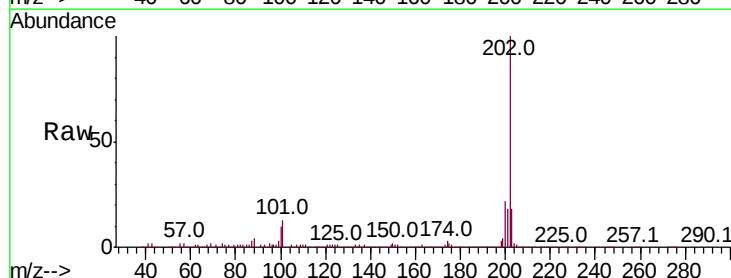
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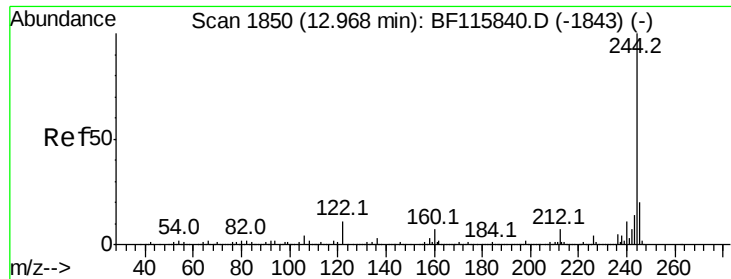
mohammad
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#78
 Pyrene
 Concen: 32.009 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF116388.D
 Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.0	27.0
203	17.7	14.1	21.1





#79

Terphenyl-d14

Concen: 69.922 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

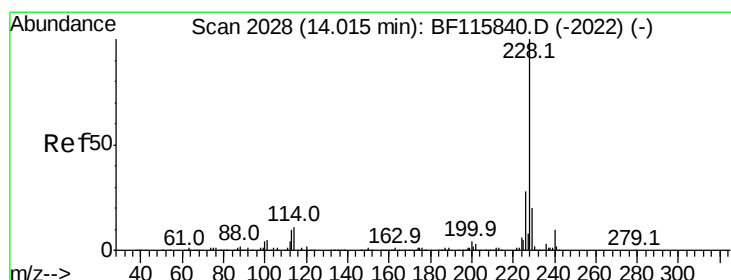
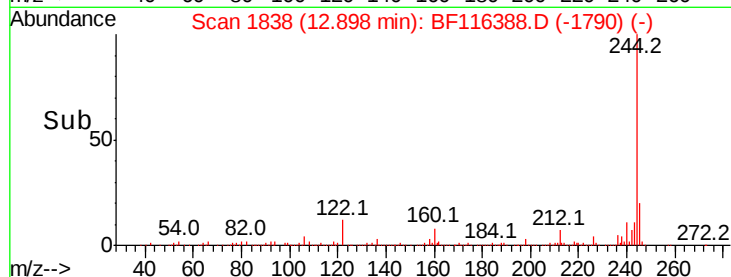
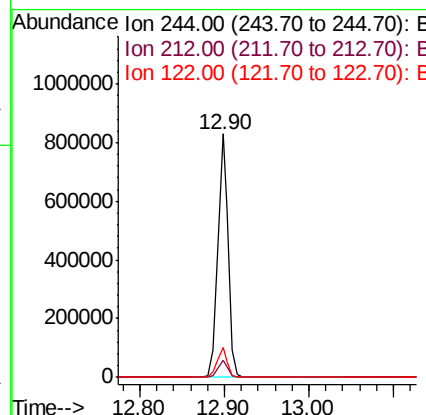
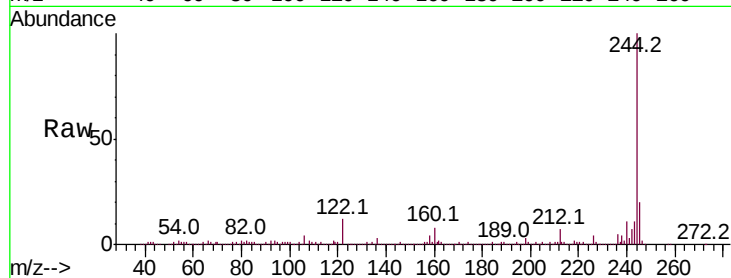
ClientSampled :

SP-14

Tot Ion:	244	Resp:	733511
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	12.2	9.0	13.4

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 24.387 ng

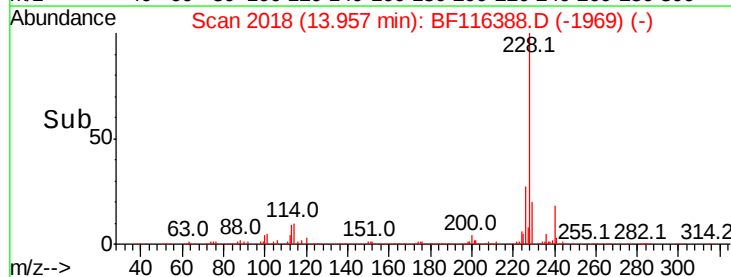
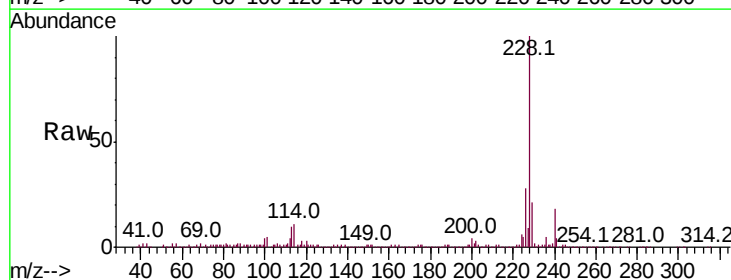
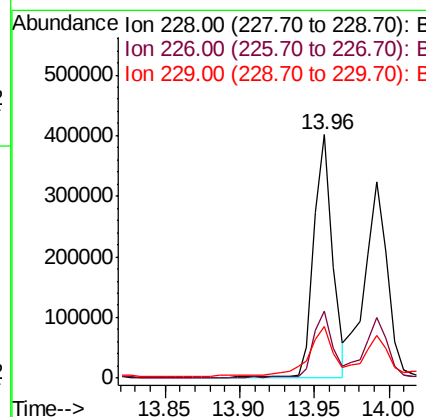
RT: 13.96 min Scan# 2018

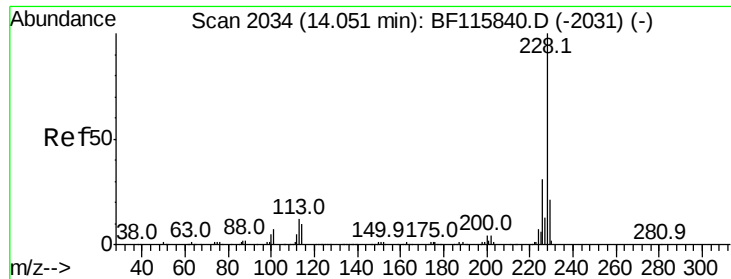
Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Tgt Ion:	228	Resp:	344555
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.7	34.1
229	21.5	16.2	24.4





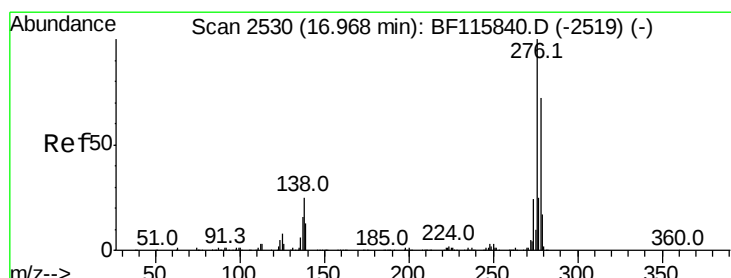
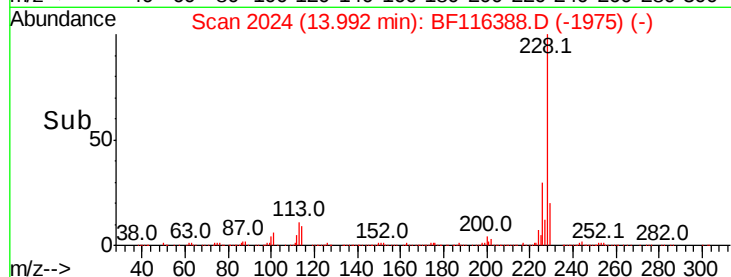
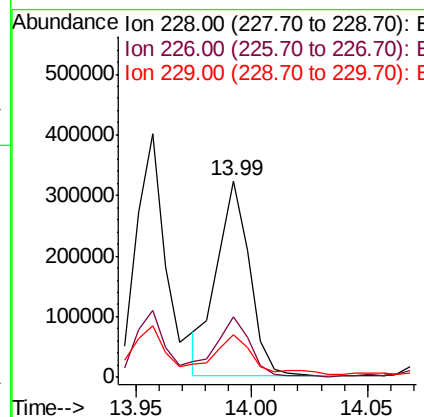
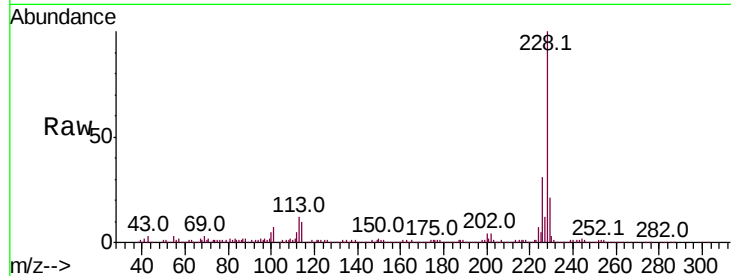
#83
Chrysene
Concen: 23.238 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Instrument :
BNA_F
ClientSampleId :
SP-14

Tot Ion	Ratio	Resp	Lower	Upper
228	100	318757		
226	30.9	25.5	38.3	
229	21.5	16.6	24.8	

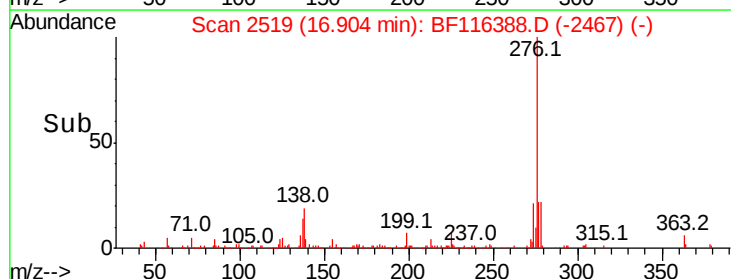
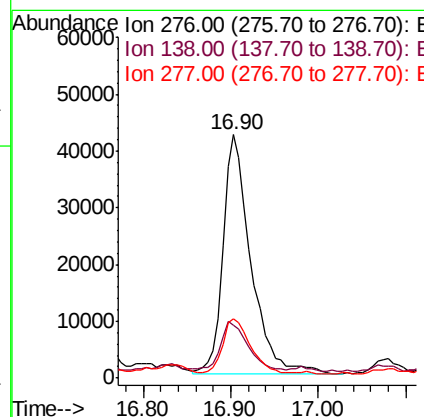
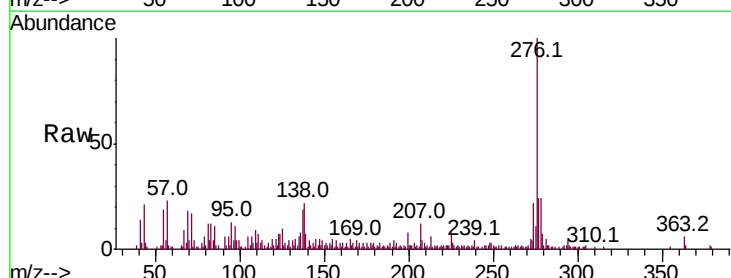
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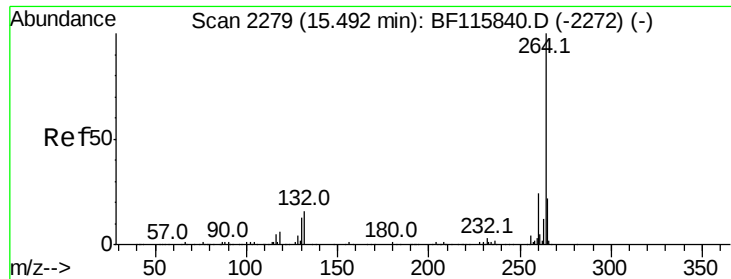
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.967 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.01 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	91782		
138	21.5	20.4	30.6	
277	23.5	20.0	30.0	





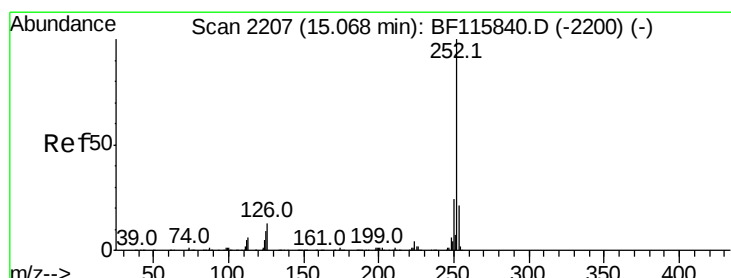
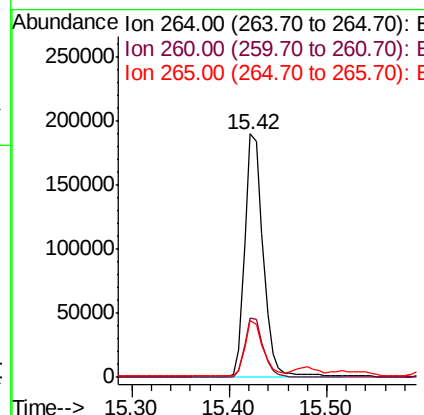
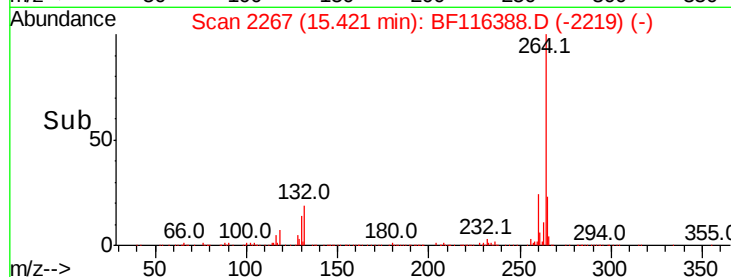
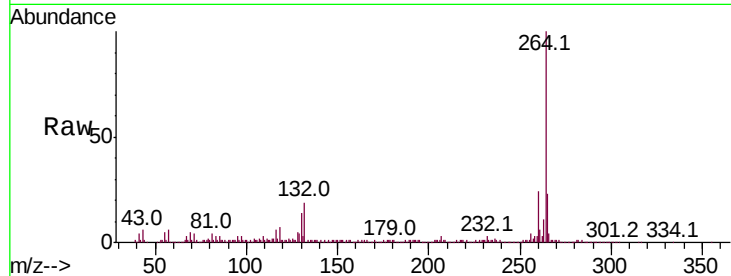
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Instrument :
BNA_F
ClientSampled :
SP-14

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	23.3	17.4	26.0

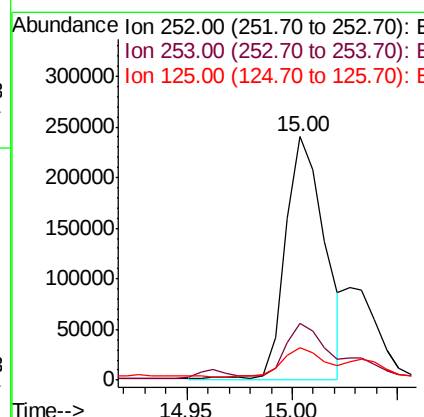
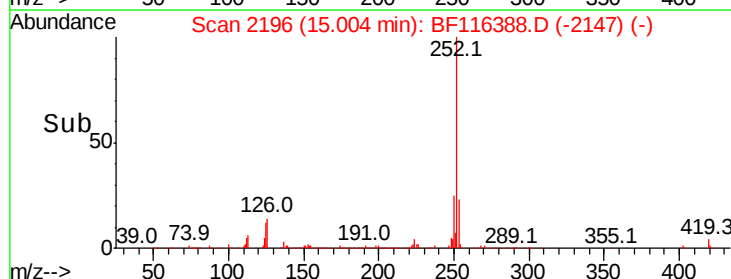
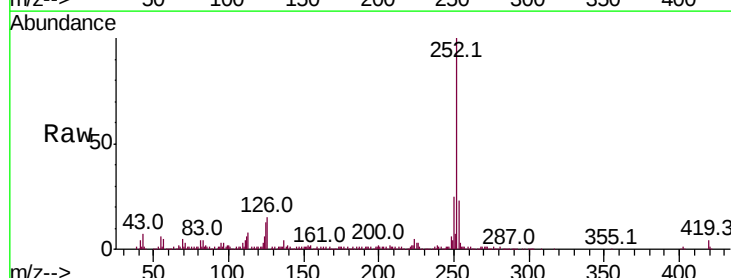
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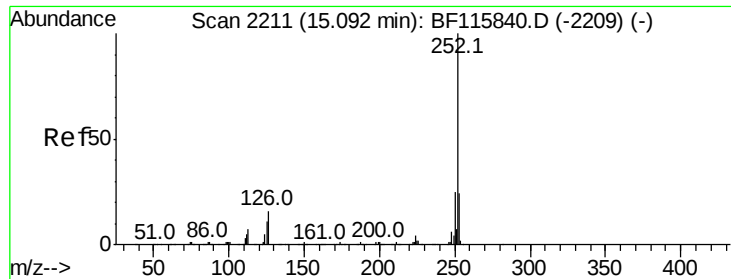
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#88
Benzo(b)fluoranthene
Concen: 21.798 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116388.D
Acq: 19 Aug 2019 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	13.4	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 7.457 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

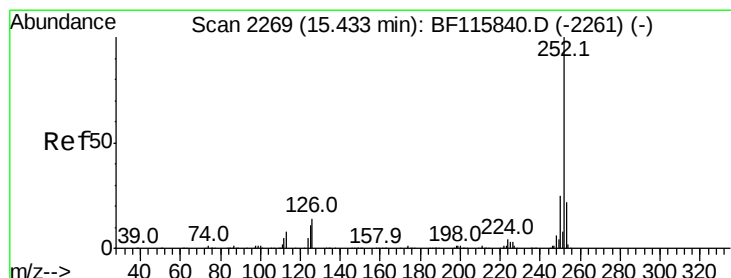
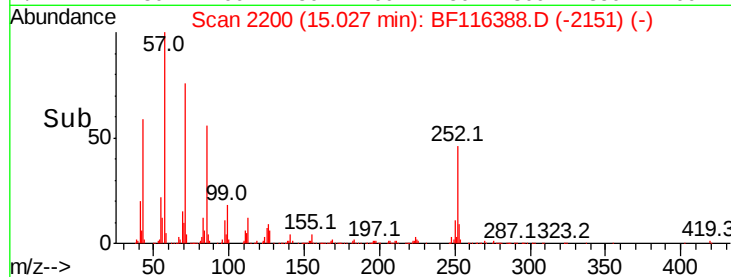
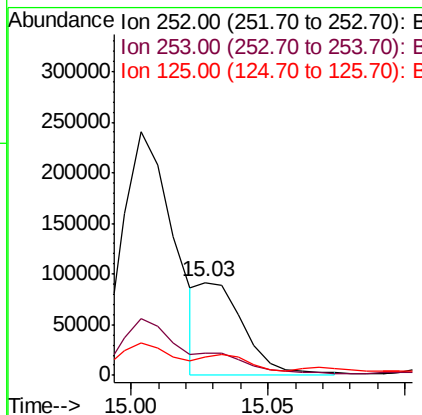
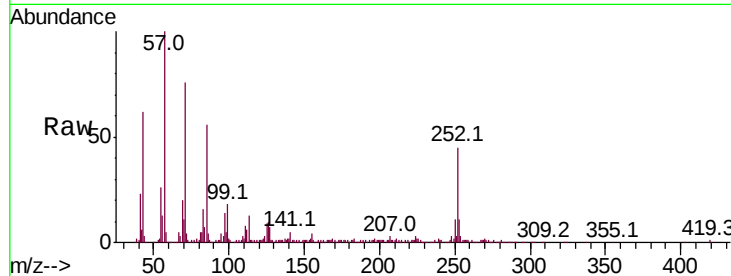
ClientSampleId :

SP-14

Tot Ion:	252	Resp:	104685
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	19.7	7.7	11.5#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 16.261 ng

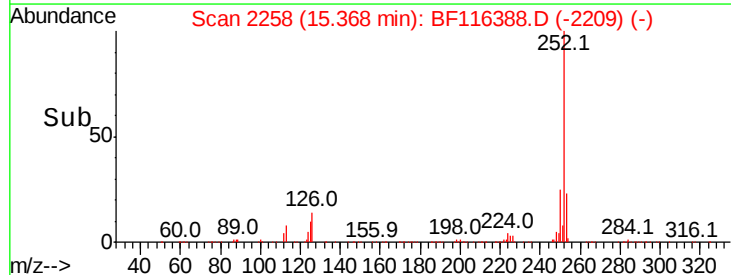
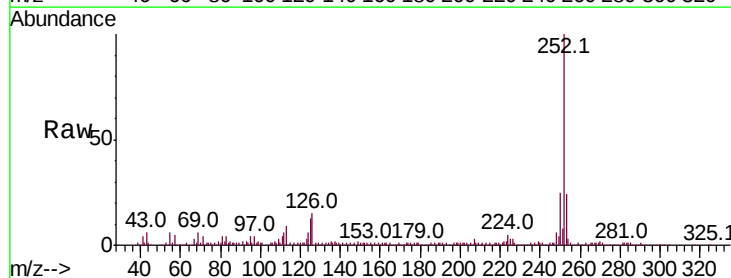
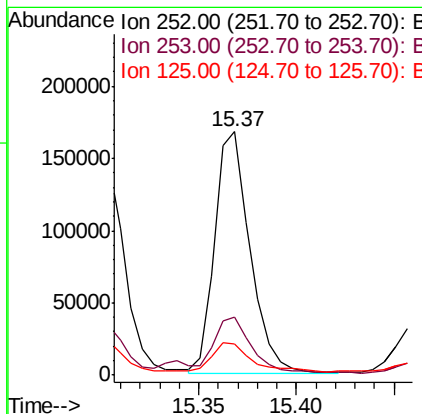
RT: 15.37 min Scan# 2258

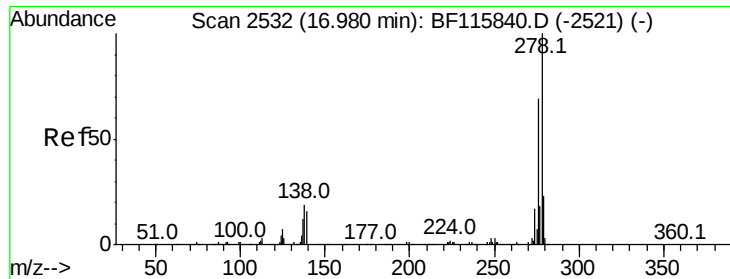
Delta R.T. -0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Tgt Ion:	252	Resp:	209516
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	13.1	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 2.257 ng

RT: 16.90 min Scan# 2518

Delta R.T. 0.00 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Instrument :

BNA_F

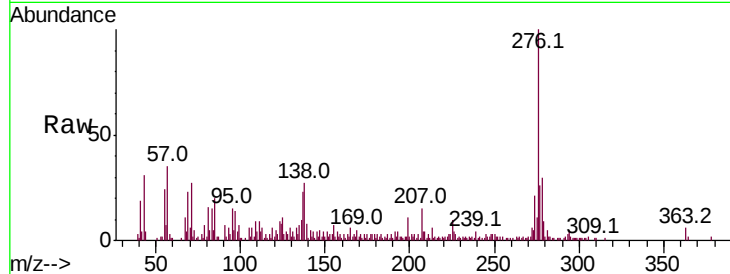
ClientSampled :

SP-14

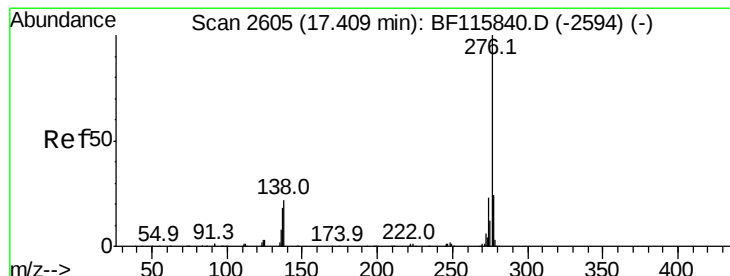
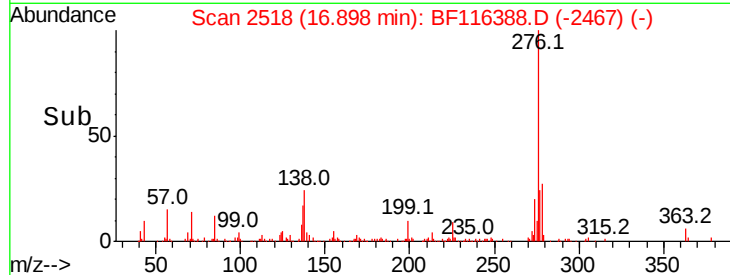
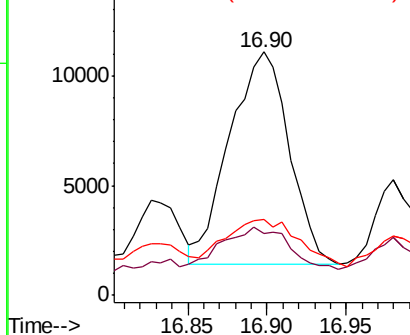
Tot Ion:	278	Resp:	25174
Ion Ratio	Lower	Upper	
278	100		
139	25.3	12.8	19.2#
279	31.4	18.8	28.2#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.868 ng

RT: 17.35 min Scan# 2595

Delta R.T. 0.01 min

Lab File: BF116388.D

Acq: 19 Aug 2019 14:30

Tgt Ion:	276	Resp:	86183
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.4	27.6
138	26.5	17.0	25.6#

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

