

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116122.D
 Acq On : 9 Aug 2019 19:45
 Operator : HP/JU
 Sample : K4257-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAND-B

Manual Integrations
 APPROVED

Sohil
 8/13/2019 7:17:59 AM

Quant Time: Aug 10 05:23:49 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	135103	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	514237	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	264139	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	441547	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	301764	20.00	ng	-0.01
87) Perylene-d12	15.46	264	336664	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1028645	127.46	ng	0.00
7) Phenol-d6	6.49	99	1363073	133.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	871975	97.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	312923	122.19	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1449682	102.80	ng	-0.01
79) Terphenyl-d14	12.94	244	1453071	101.47	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	26873	2.241	ng	Qvalue # 63
50) Dimethylphthalate	9.59	163	136905	7.612	ng	98
71) Phenanthrene	11.38	178	385842	17.093	ng	99
72) Anthracene	11.44	178	93443	4.090	ng	98
75) Fluoranthene	12.57	202	353943	14.978	ng	99
78) Pyrene	12.80	202	296084	13.016	ng	98
81) Benzo(a)anthracene	13.99	228	122714	6.362	ng	98
83) Chrysene	14.03	228	115129	6.148	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	313695	25.087	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.94	276	45795	2.912	ng	97
88) Benzo(b)fluoranthene	15.04	252	115189m	5.917	ng	
90) Benzo(a)pyrene	15.40	252	76400	4.390	ng	97
92) Benzo(a,h,i)perylene	17.39	276	45543	3.079	ng	92

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

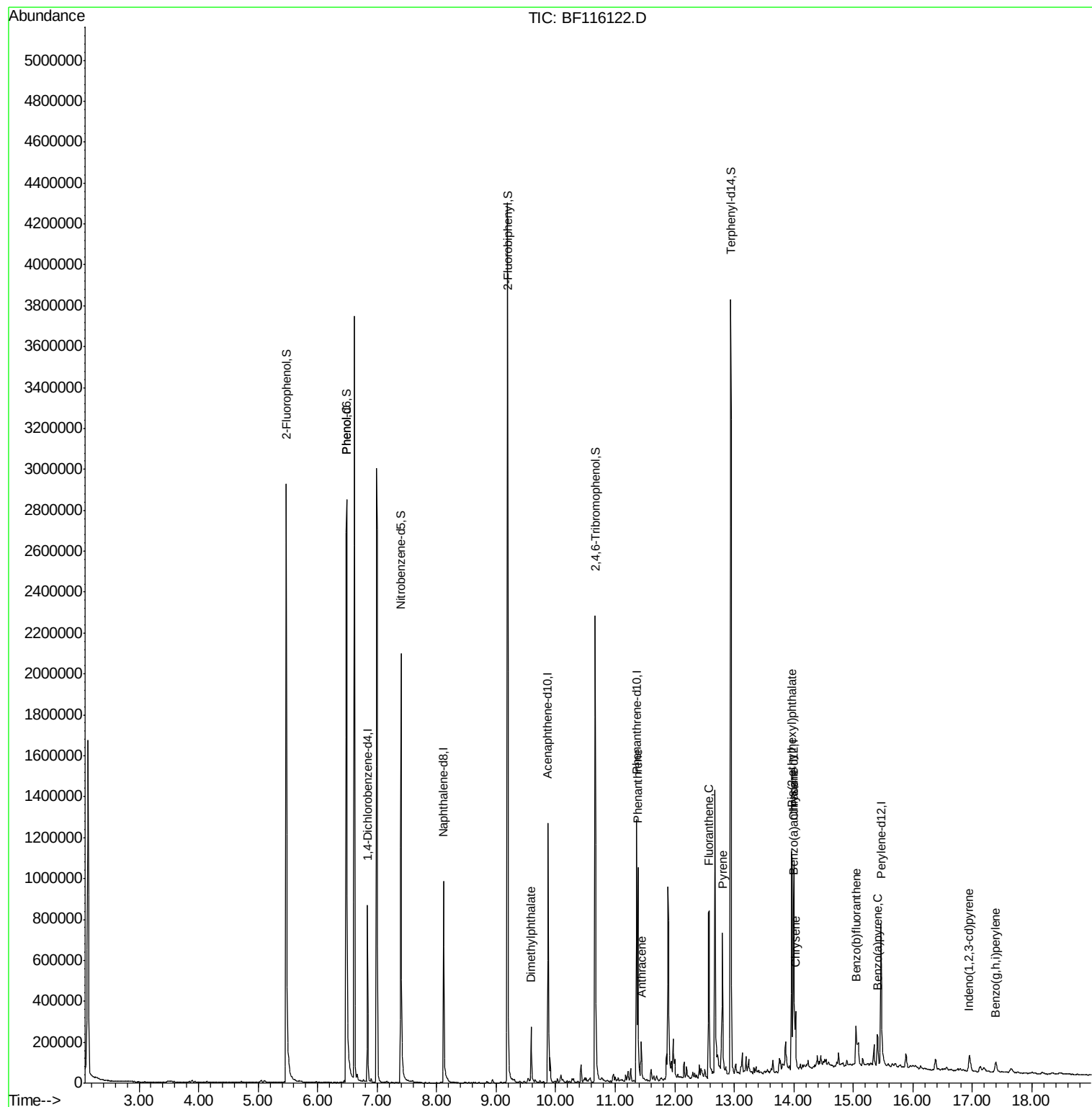
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

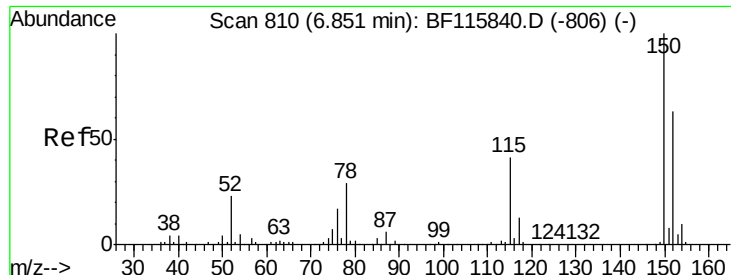
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

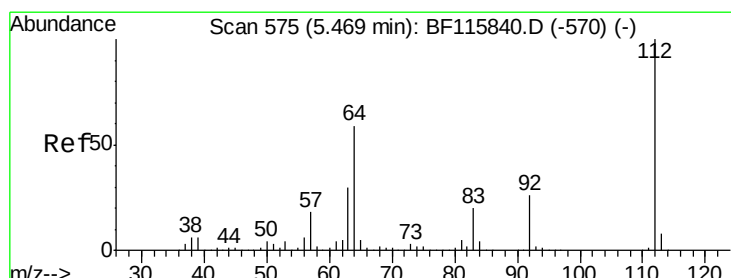
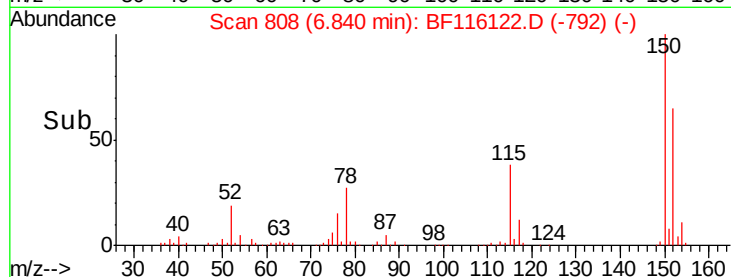
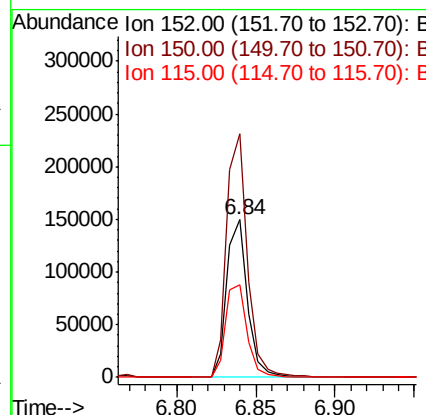
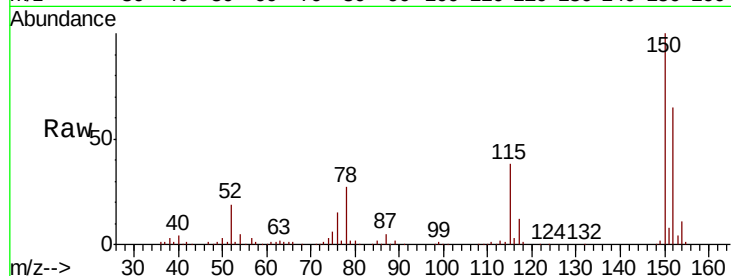
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :
SAND-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	59.0	49.9	74.9

Manual Integrations
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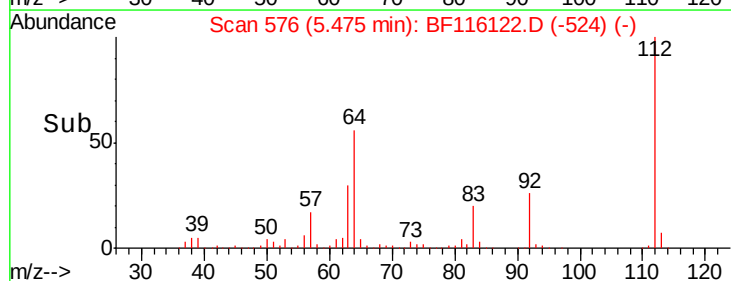
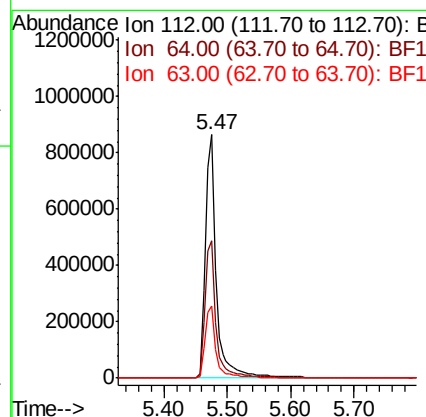
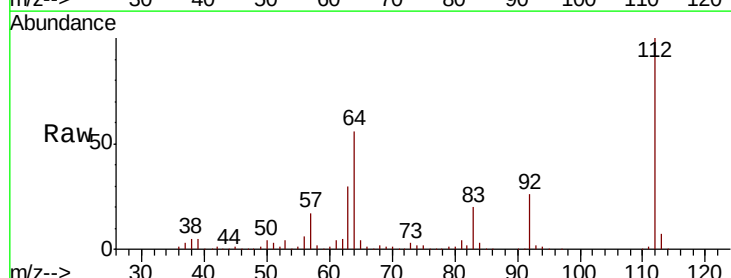
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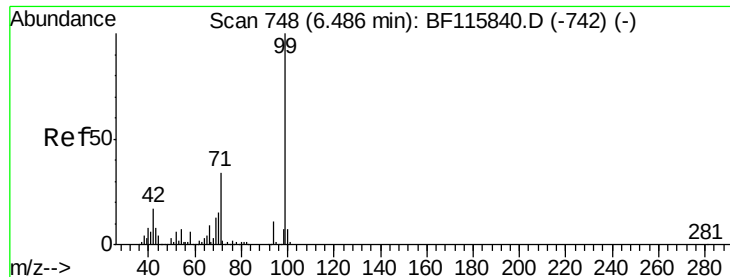


#5

2-Fluorophenol
Concen: 127.459 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.2
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 133.868 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

ClientSampled :

SAND-B

Tot Ion: 99 Resp: 1363073

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.8

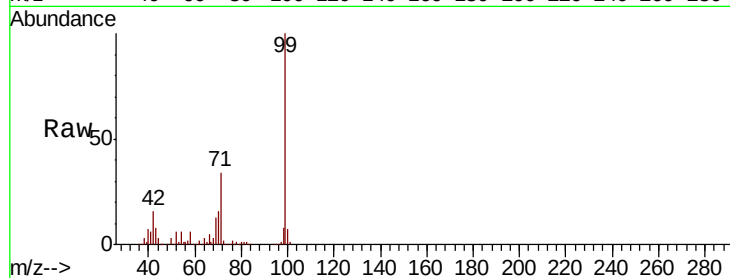
71 33.6 27.3 40.9

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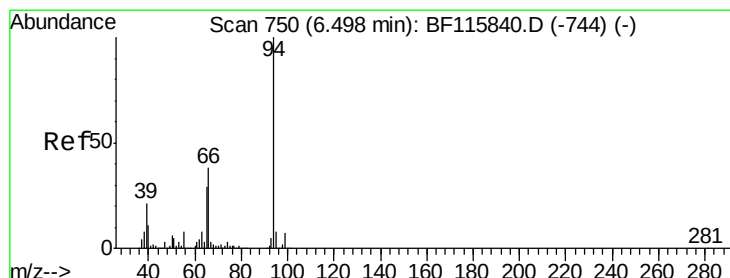
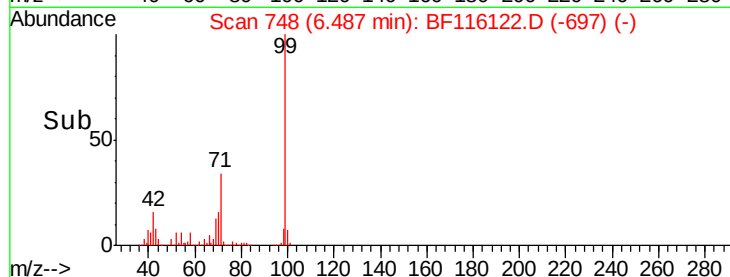
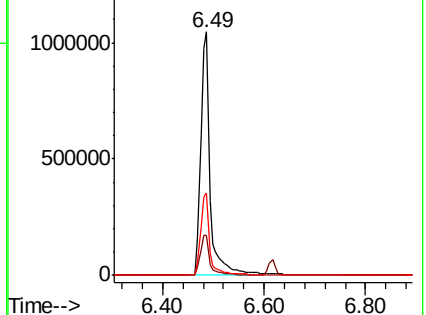
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.241 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Tgt Ion: 94 Resp: 26873

Ion Ratio Lower Upper

94 100

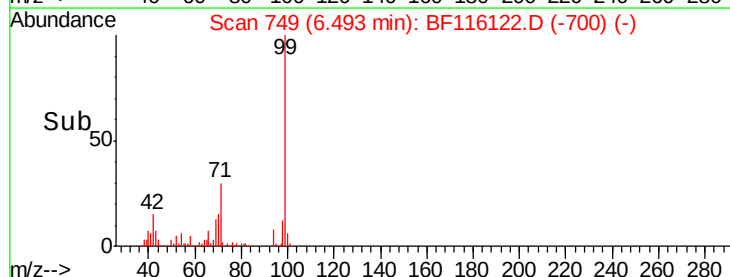
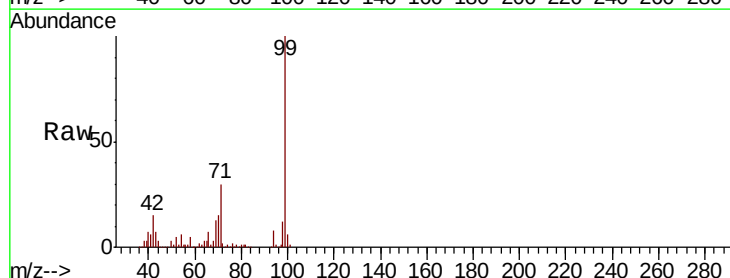
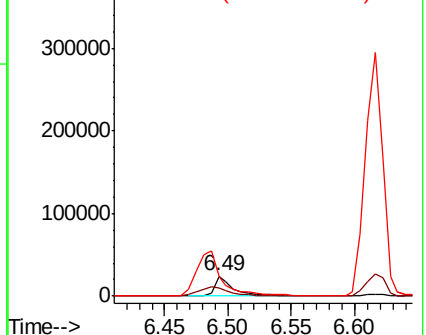
65 40.2 16.8 56.8

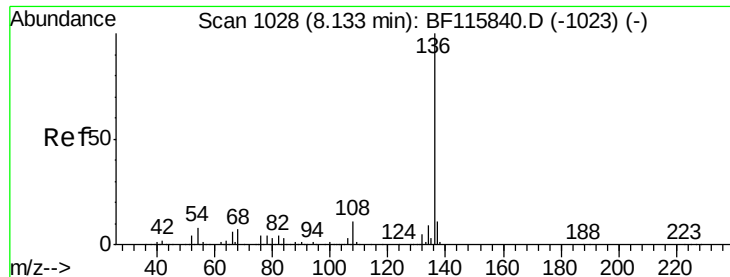
66 96.5 34.2 74.2#

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

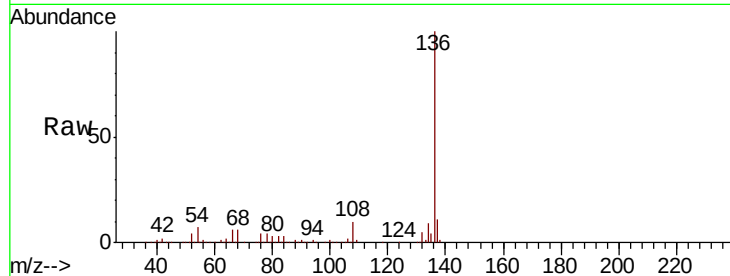
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
136	100	514237		
137	11.3		9.0	13.4
54	7.3		5.8	8.6
68	6.3		5.2	7.8

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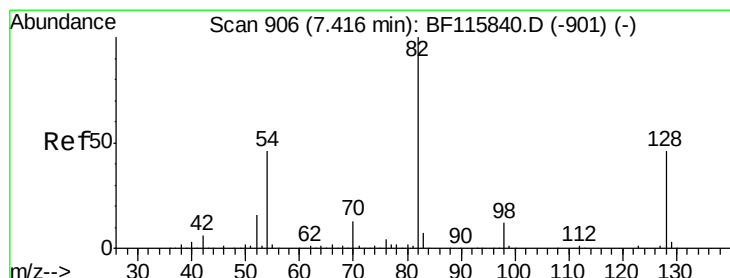
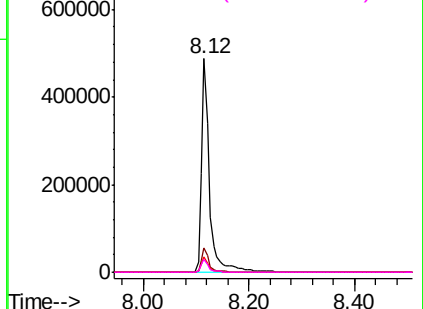
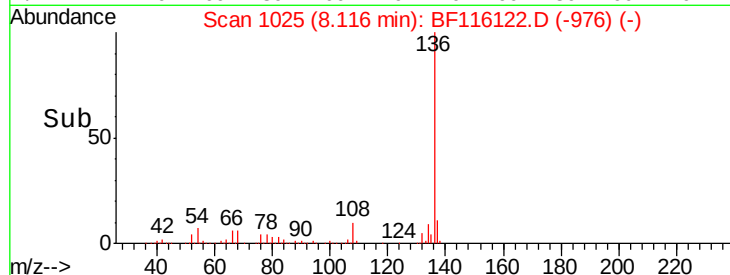


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.879 ng

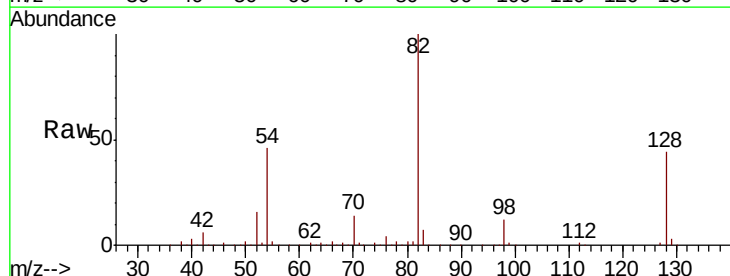
RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

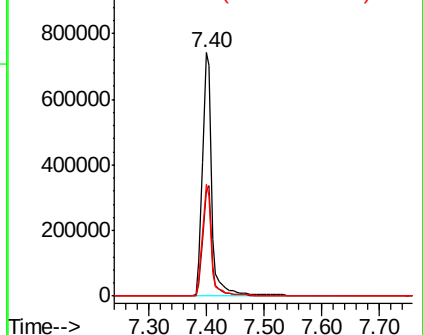
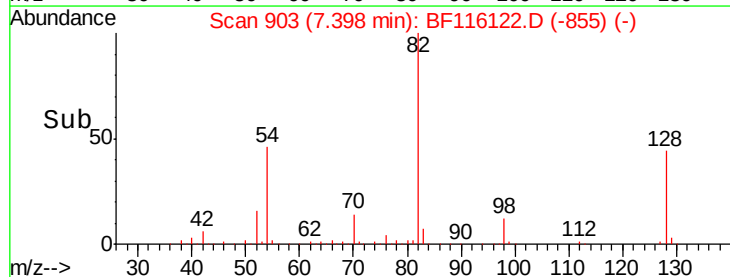
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	871975		
128	43.5		36.5	54.7
54	45.8		36.0	54.0

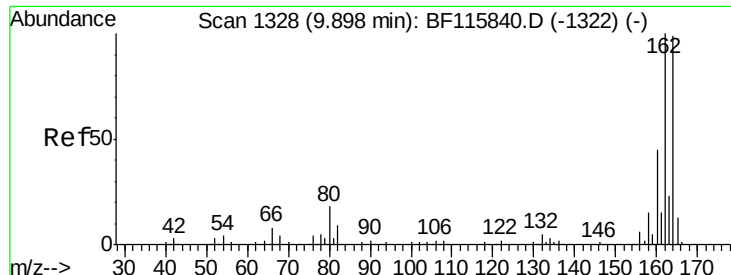


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





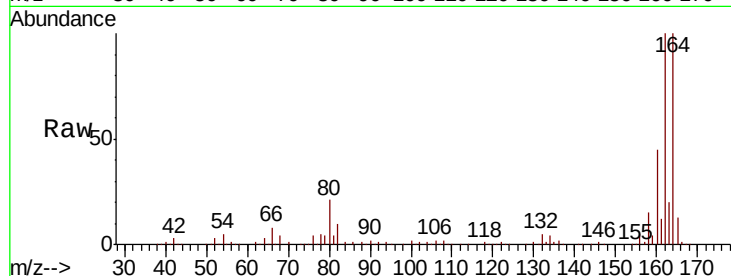
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :
SAND-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.6	124.0
160	45.4	37.6	56.4

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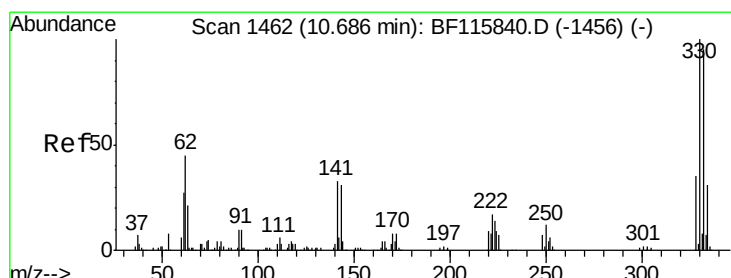
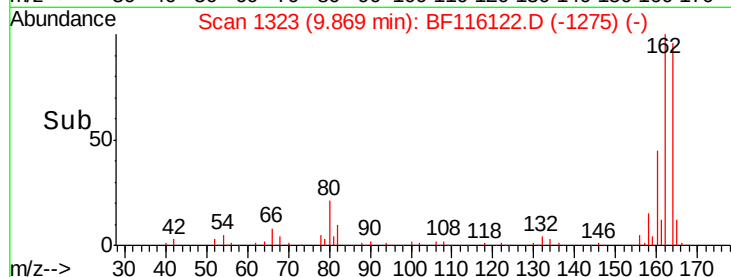
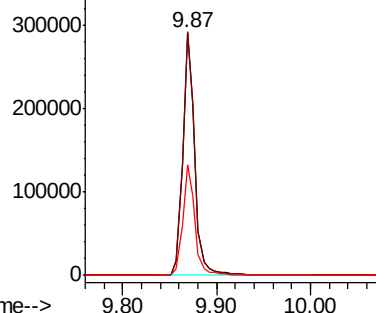


Abundance

Ion 164.00 (163.70 to 164.70): E

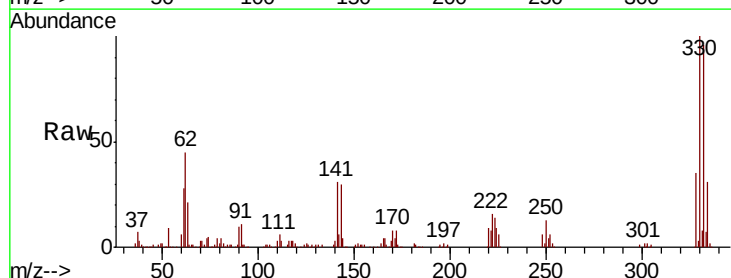
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 122.193 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	33.4	26.3	39.5

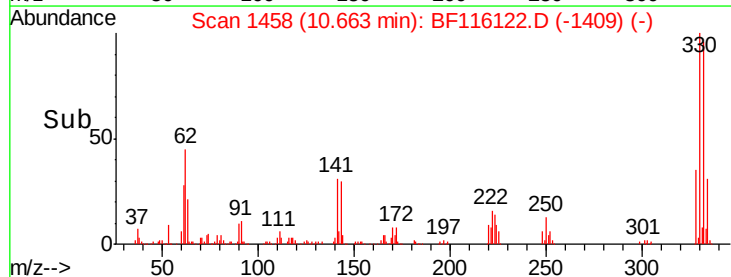
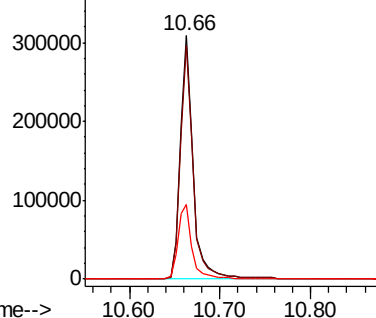


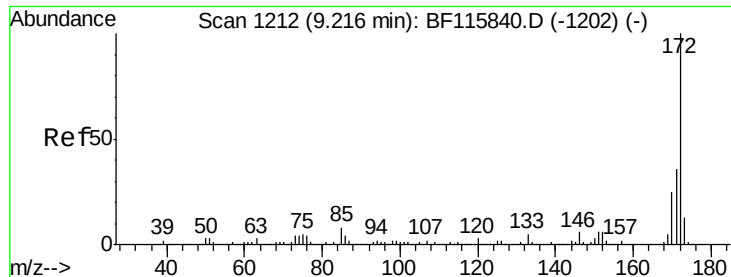
Abundance

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





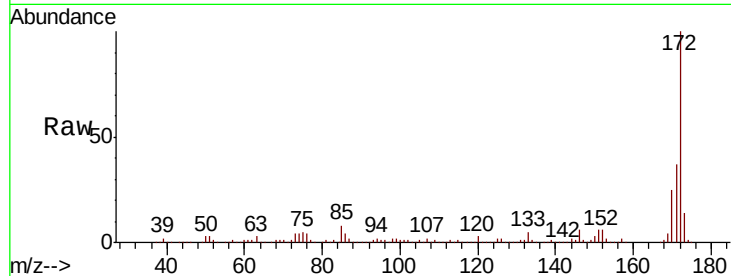
#45
2-Fluorobiphenyl
Concen: 102.800 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampled :
SAND-B

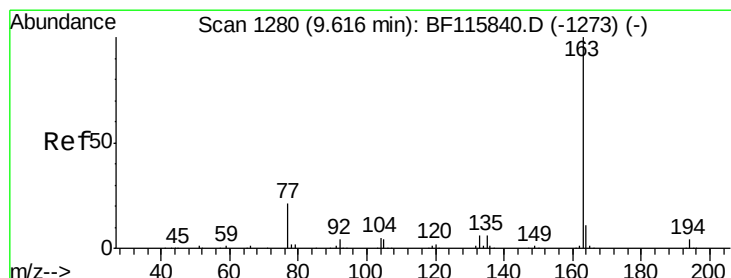
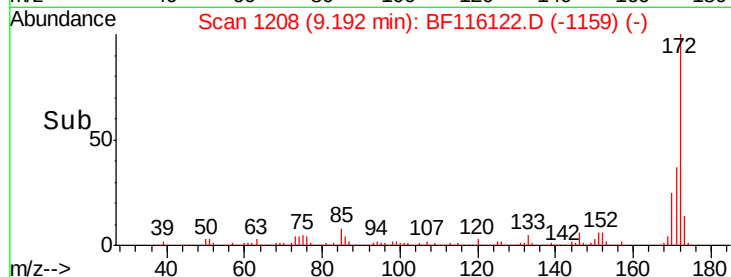
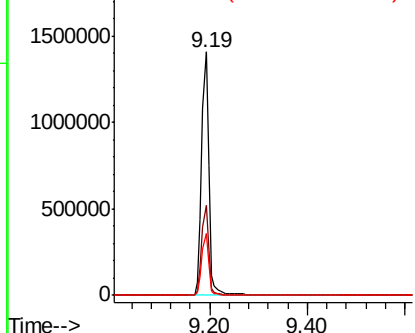
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	25.3	20.1	30.1

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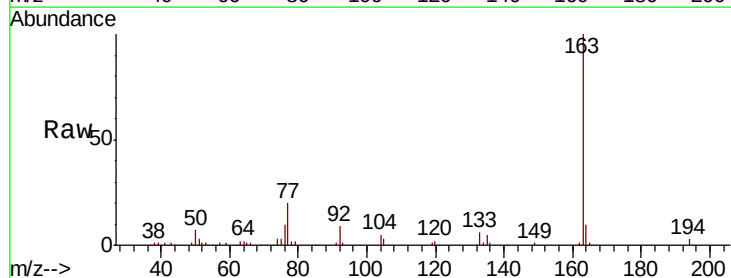


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

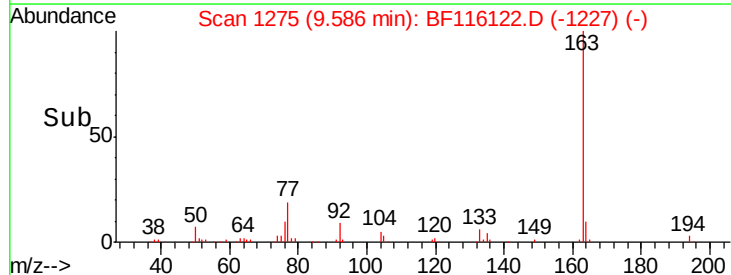
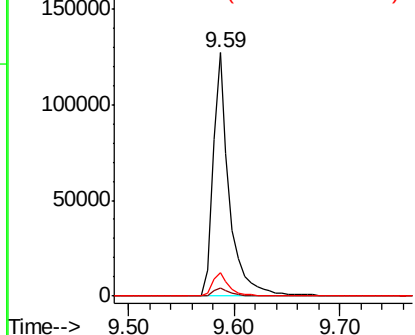


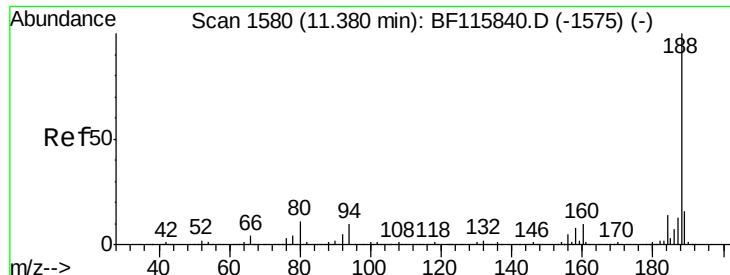
#50
Dimethylphthalate
Concen: 7.612 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	9.8	8.4	12.6



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# 1576

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

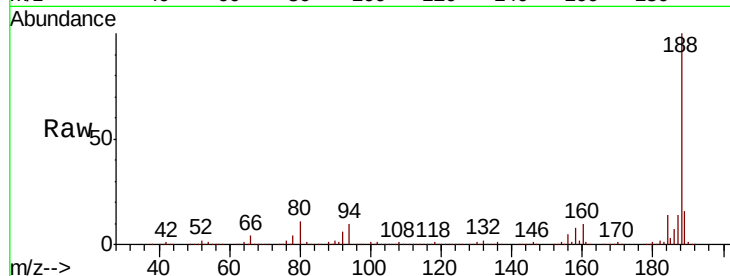
ClientSampleId :

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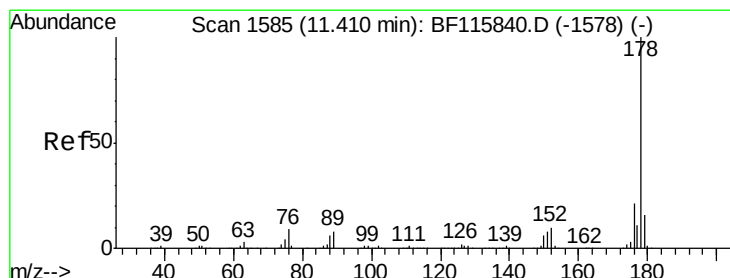
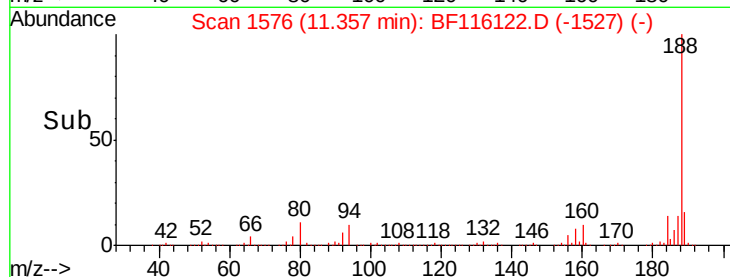
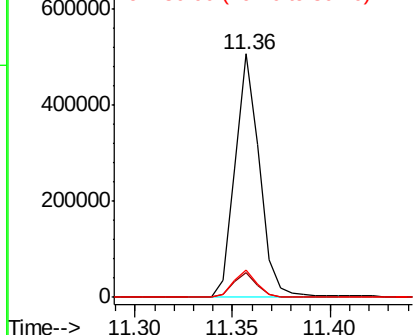
Tot Ion:	188	Resp:	441547
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.1	12.1
80	11.0	8.7	13.1

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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: 17.093 ng

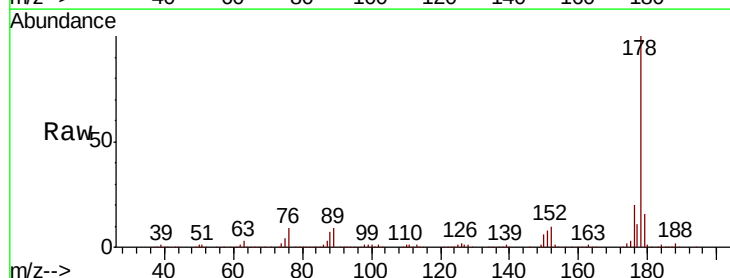
RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

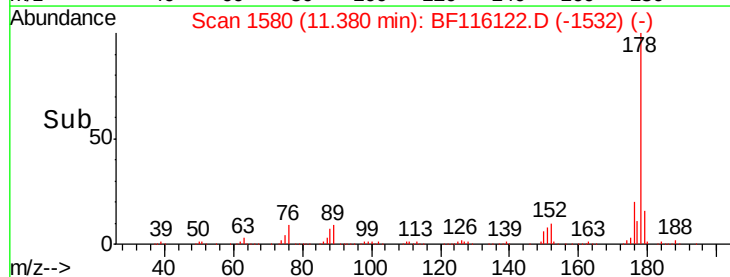
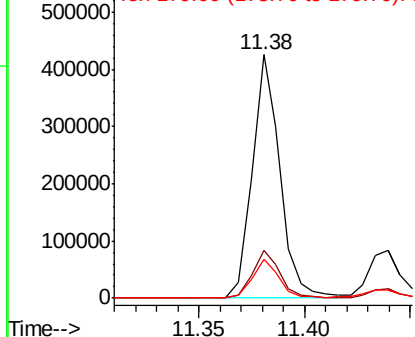
Lab File: BF116122.D

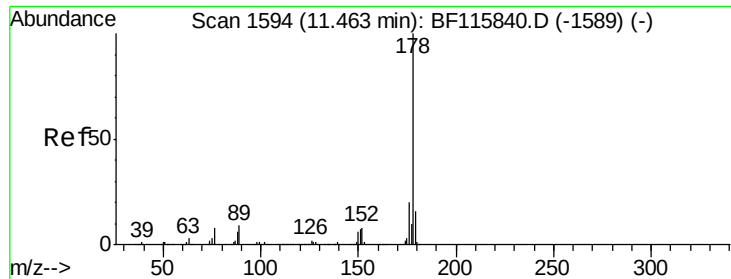
Acq: 9 Aug 2019 19:45

Tgt Ion:	178	Resp:	385842
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.6	24.8
179	15.8	12.5	18.7



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: 4.090 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

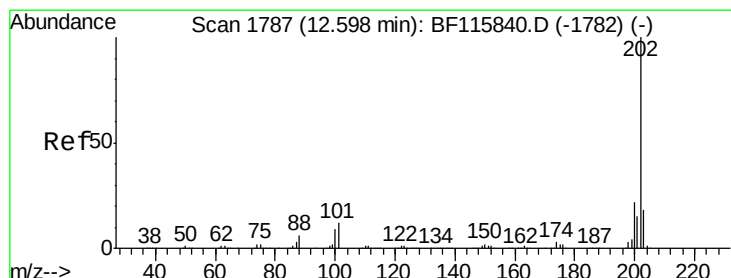
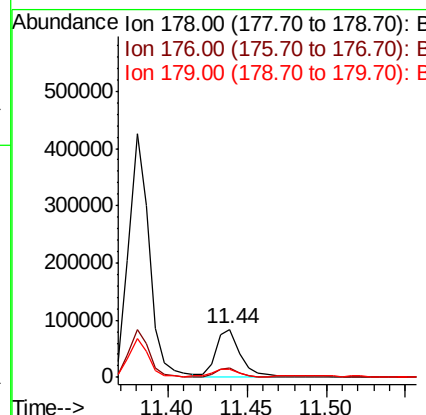
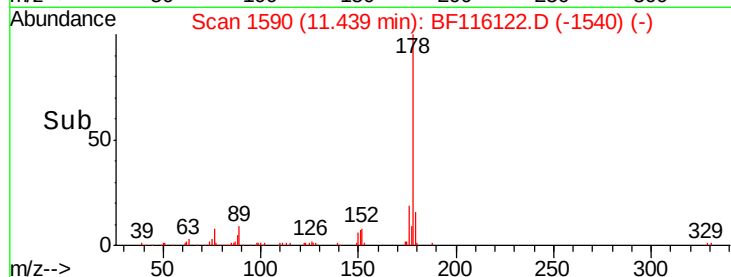
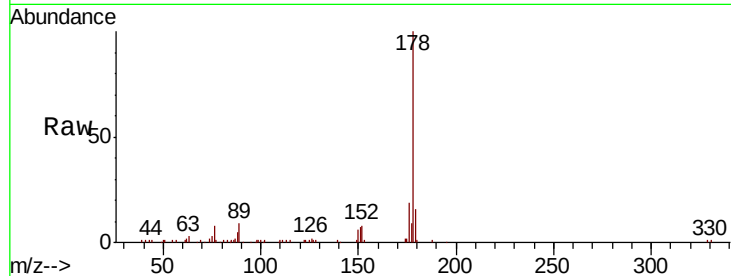
ClientSampled :

SAND-B

Tot Ion:	178	Resp:	93443
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.7	23.5
179	15.8	13.0	19.6

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#75

Fluoranthene

Concen: 14.978 ng

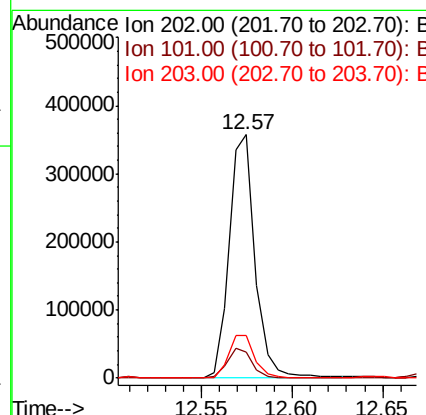
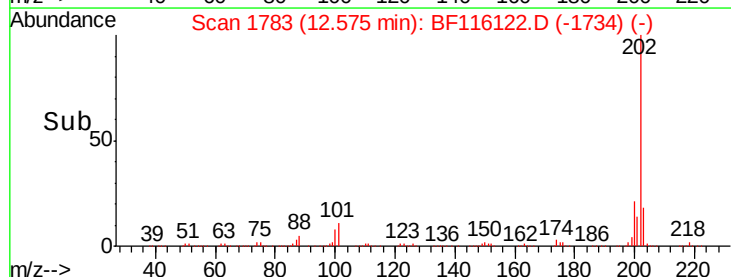
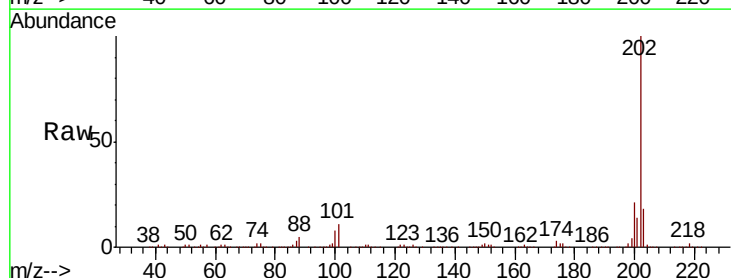
RT: 12.57 min Scan# 1783

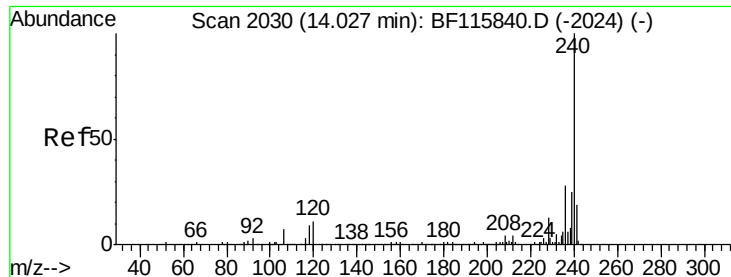
Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Tgt Ion:	202	Resp:	353943
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.2
203	17.5	0.0	37.8





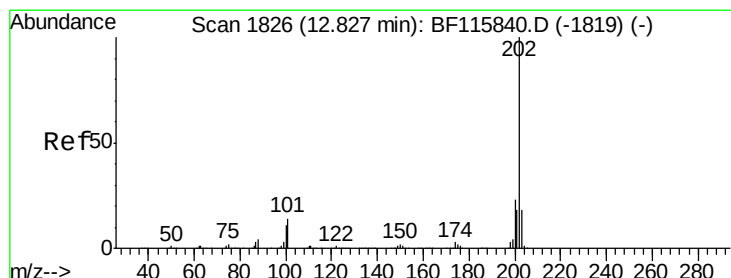
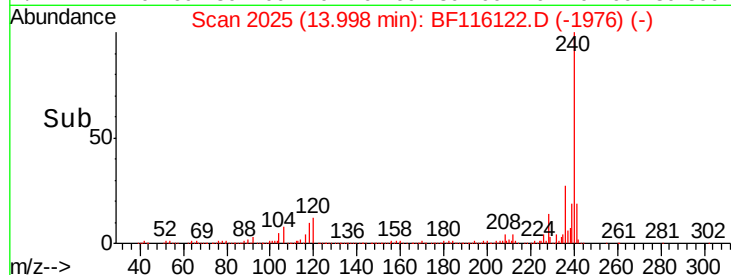
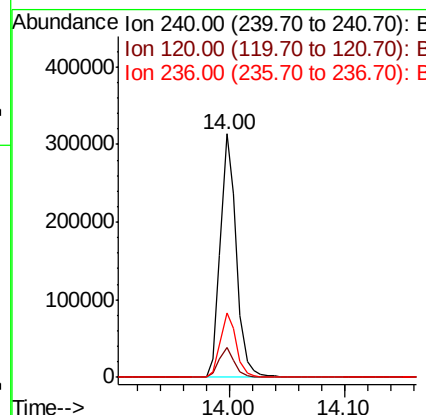
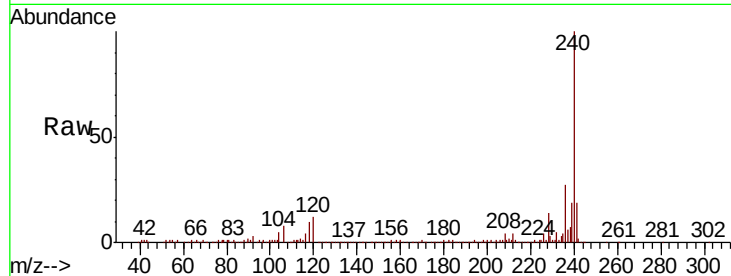
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :
SAND-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.7	16.1
236	26.7	22.2	33.2

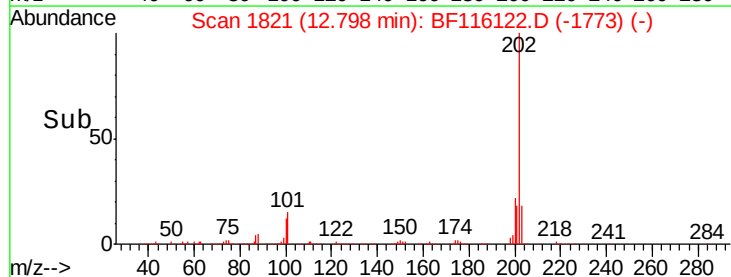
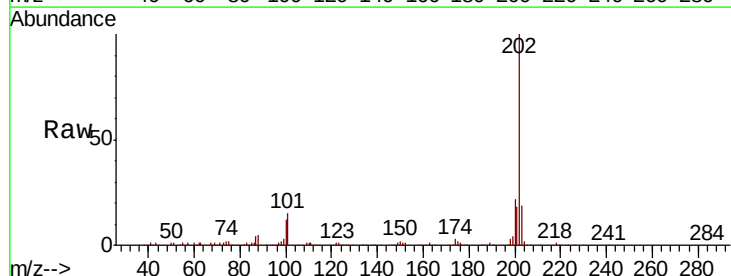
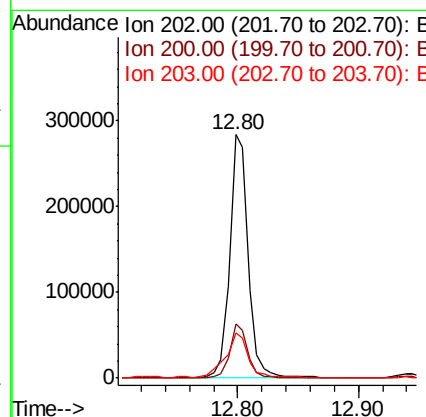
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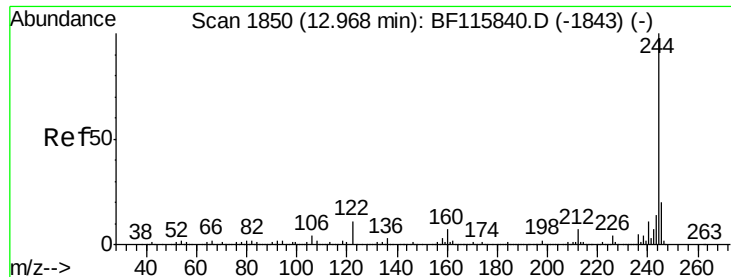
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#78
Pyrene
Concen: 13.016 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.0	27.0
203	18.7	14.1	21.1





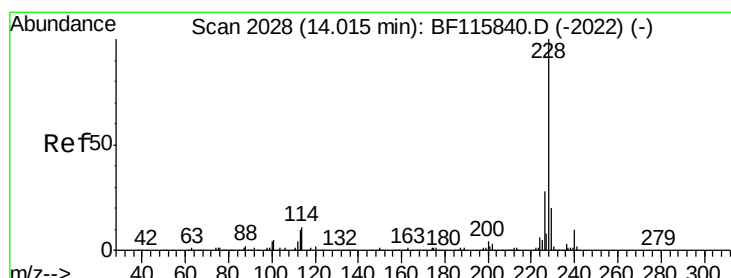
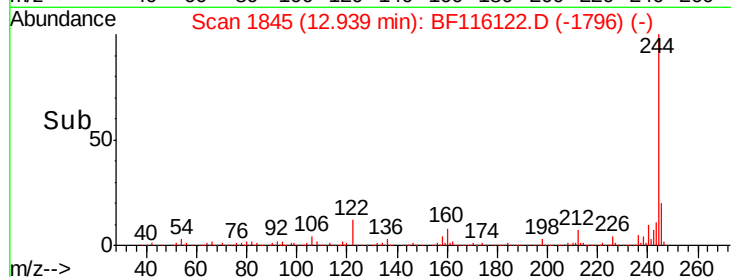
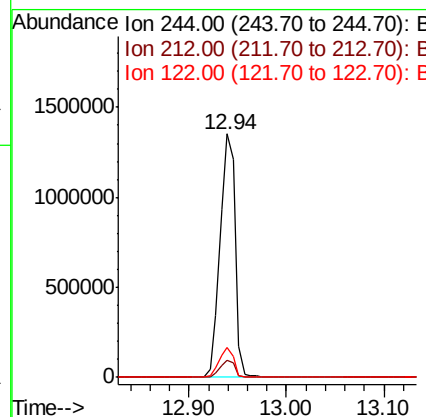
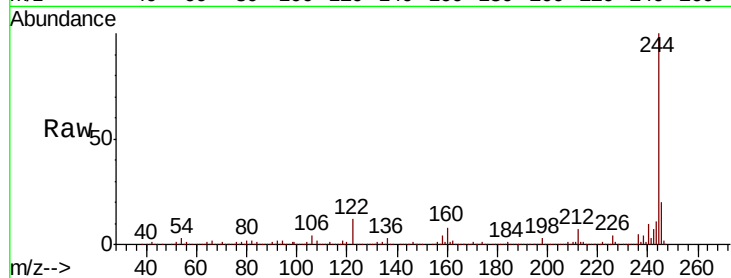
#79
 Terphenyl-d14
 Concen: 101.465 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :
 SAND-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.2	9.0	13.4

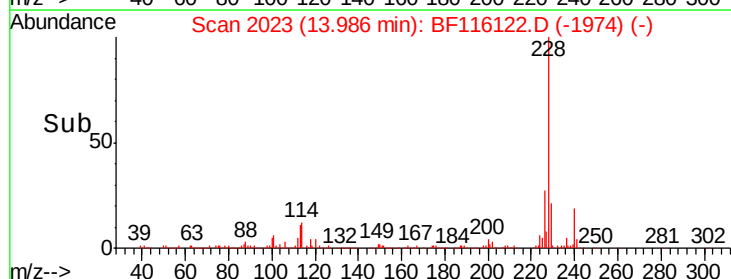
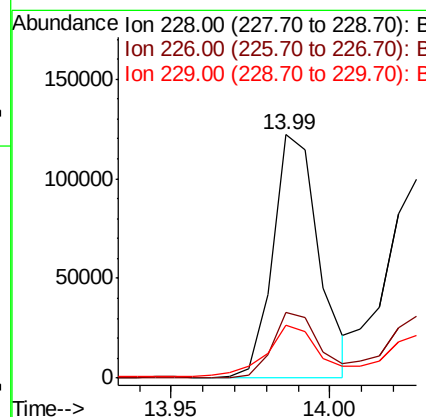
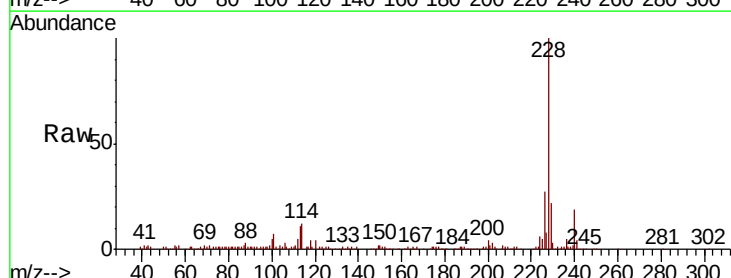
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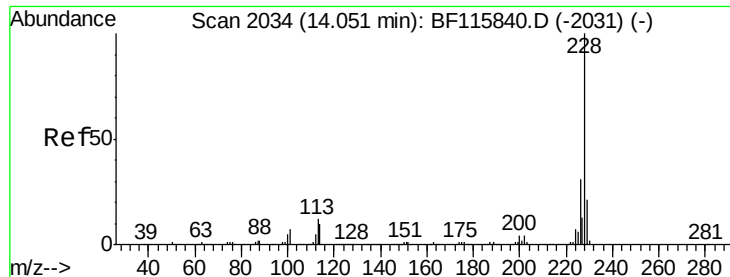
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#81
 Benzo(a)anthracene
 Concen: 6.362 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.7	34.1
229	21.6	16.2	24.4





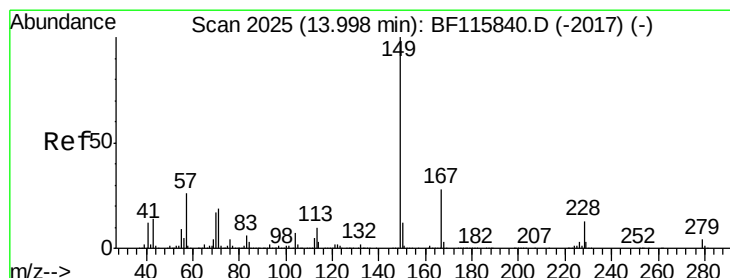
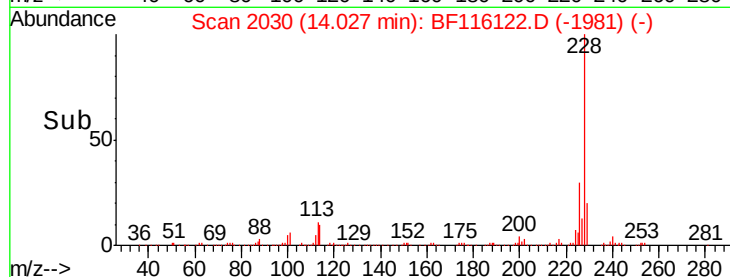
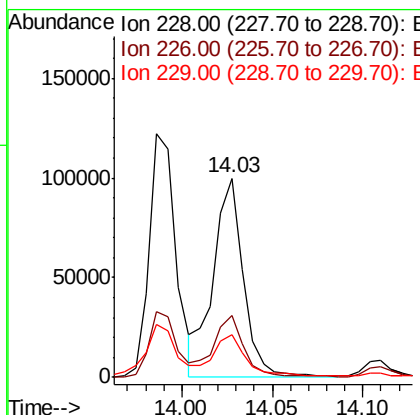
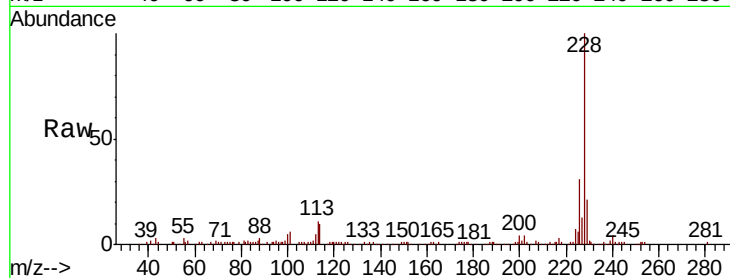
#83
 Chrysene
 Concen: 6.148 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :
 SAND-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	21.3	16.6	24.8

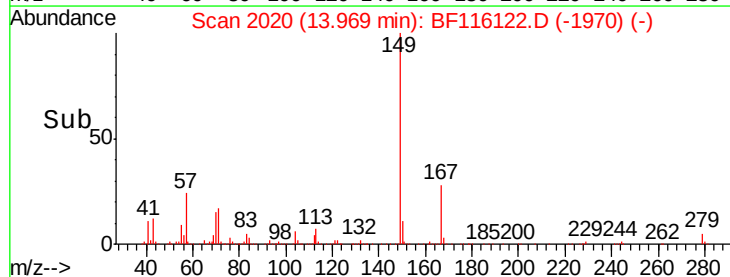
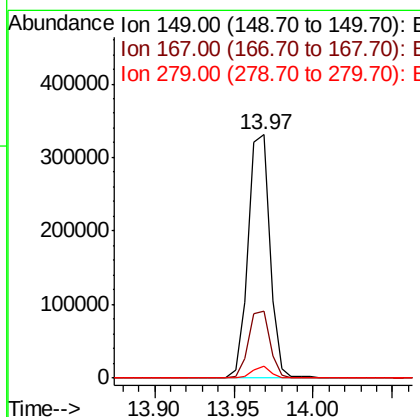
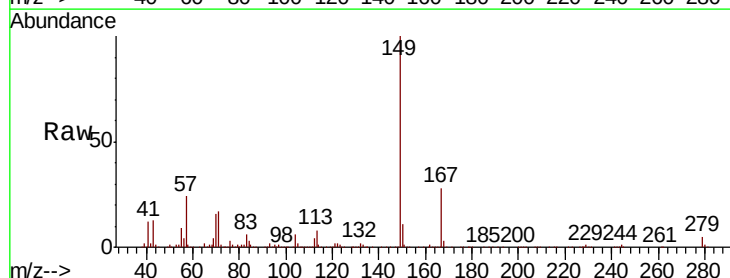
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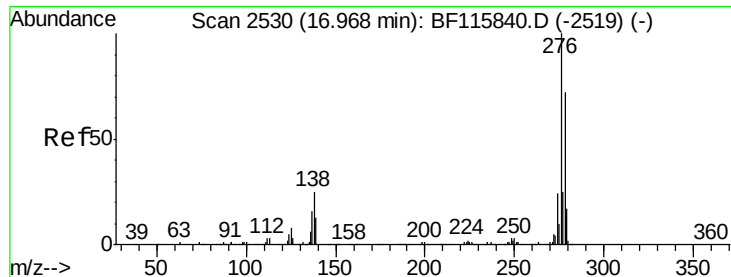
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 25.087 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.6	32.4
279	4.8	3.0	4.4#





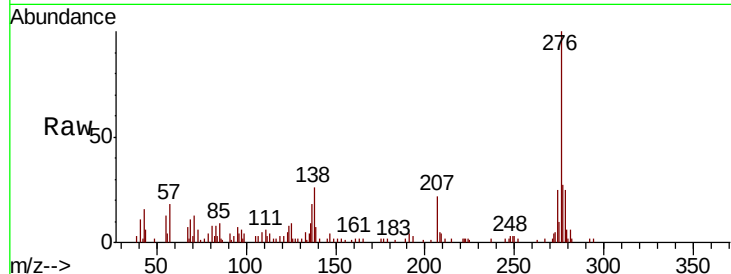
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.912 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampled :
SAND-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.4	30.6
277	23.8	20.0	30.0

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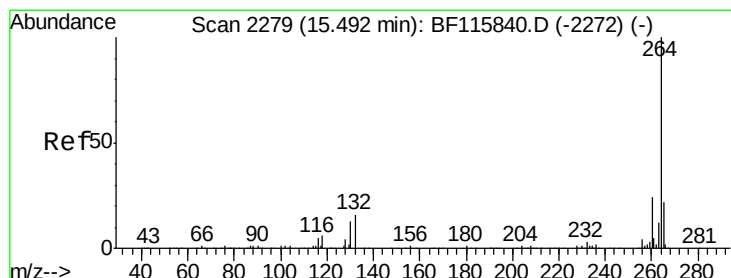
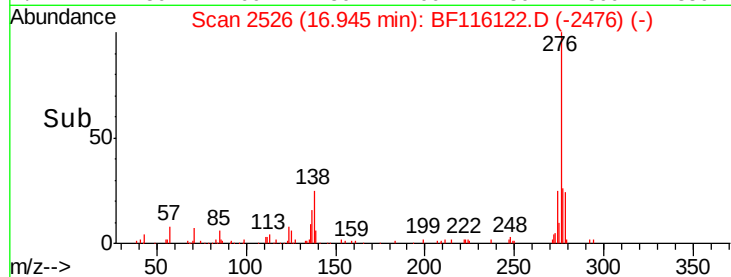
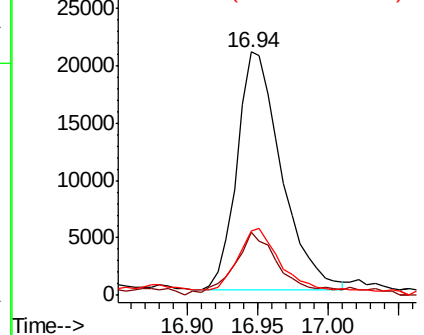


Abundance

Ion 276.00 (275.70 to 276.70): E

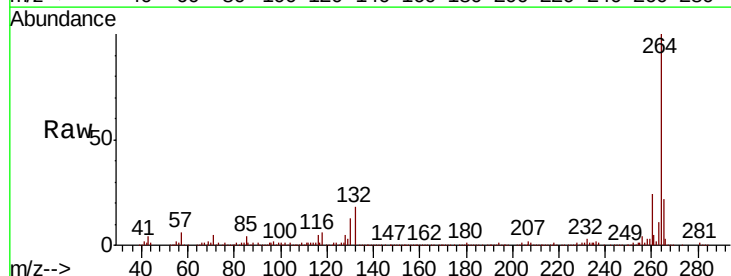
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.0	17.4	26.0

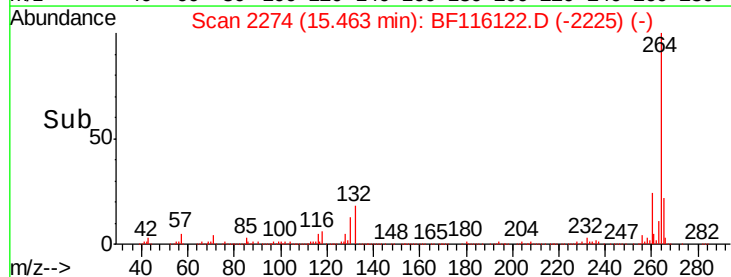
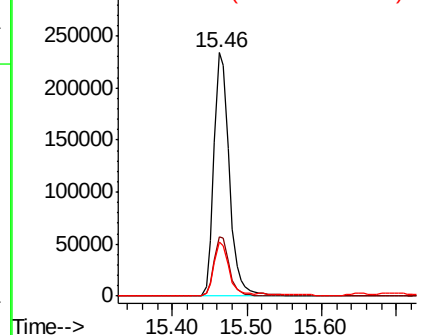


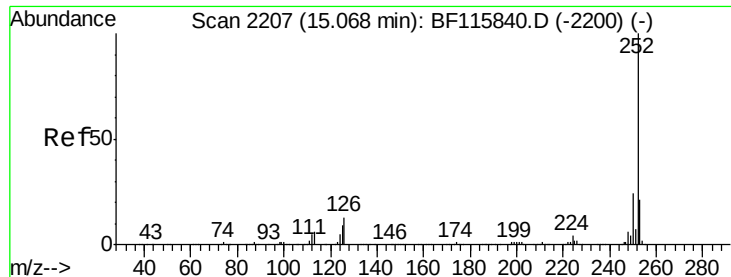
Abundance

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





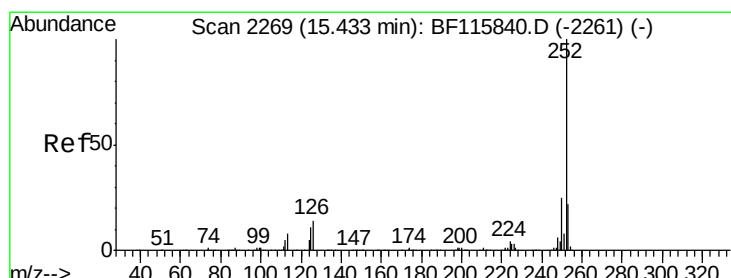
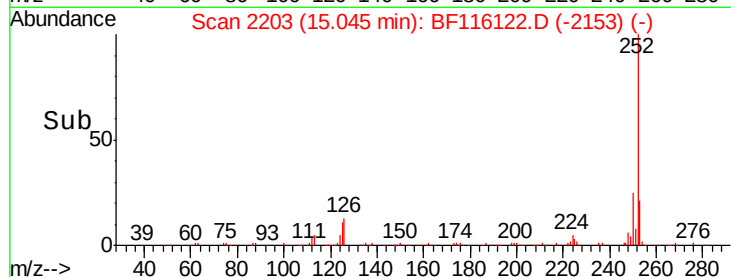
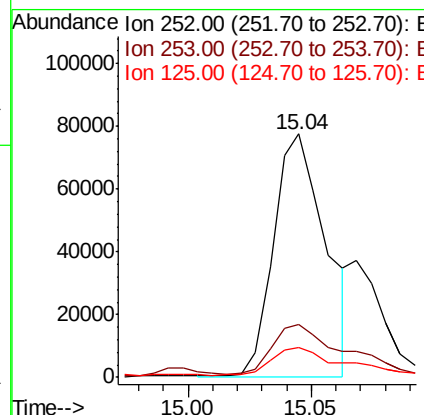
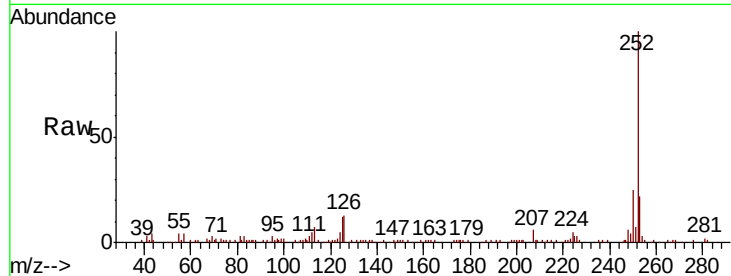
#88
Benzo(b)fluoranthene
Concen: 5.917 ng/mL
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampled :
SAND-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	12.0	8.4	12.6

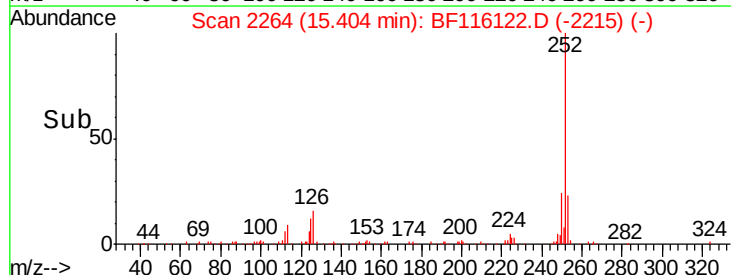
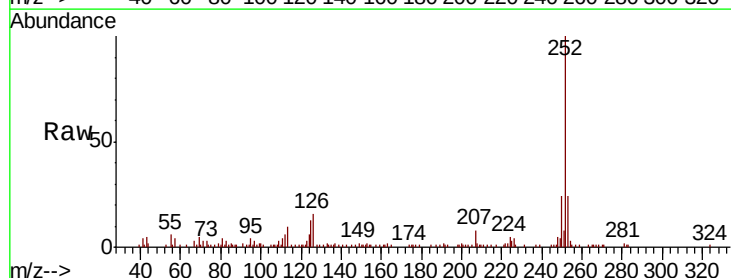
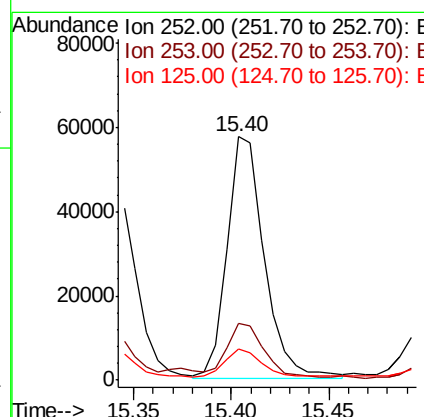
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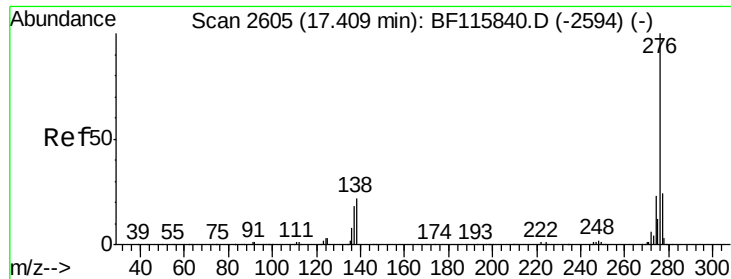
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#90
Benzo(a)pyrene
Concen: 4.390 ng/mL
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.9	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 3.079 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :
 SAND-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.4	27.6
138	25.0	17.0	25.6

Manual Integrations
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