

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
 Data File : BF119634.D
 Acq On : 30 Mar 2020 15:49
 Operator : MA/SJ
 Sample : L2049-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-(1-3)

Manual Integrations
 APPROVED

Quant Time: Mar 30 16:20:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	333147	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1246923	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	592870	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	976101	20.00	ng	0.00
76) Chrysene-d12	14.01	240	632403	20.00	ng	0.00
87) Perylene-d12	15.48	264	598535	20.00	ng	0.00

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System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1811816	86.58	ng	0.00
7) Phenol-d6	6.46	99	2602441	97.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	1273467	55.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	338025	55.27	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2868675	71.68	ng	0.00
79) Terphenyl-d14	12.96	244	2467194	76.43	ng	0.00

3/31/2020 3:16:44 PM

Target Compounds

						Qvalue
50) Dimethylphthalate	9.59	163	424443	10.079	ng	100
71) Phenanthrene	11.39	178	315629	6.236	ng	96
75) Fluoranthene	12.58	202	688991	12.578	ng	98
78) Pyrene	12.81	202	596812	11.499	ng	98
81) Benzo(a)anthracene	14.00	228	329892	8.022	ng	98
83) Chrysene	14.04	228	301204	7.097	ng	95
84) Bis(2-ethylhexyl)phthalate	14.00	149	57543	2.300	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.93	276	166339	4.161	ng	97
88) Benzo(b)fluoranthene	15.05	252	378639m	9.470	ng	
89) Benzo(k)fluoranthene	15.07	252	167987m	4.412	ng	
90) Benzo(a)pyrene	15.42	252	275063	7.570	ng	# 95
92) Benzo(a,h,i)perylene	17.37	276	148745	4.659	ng	# 94

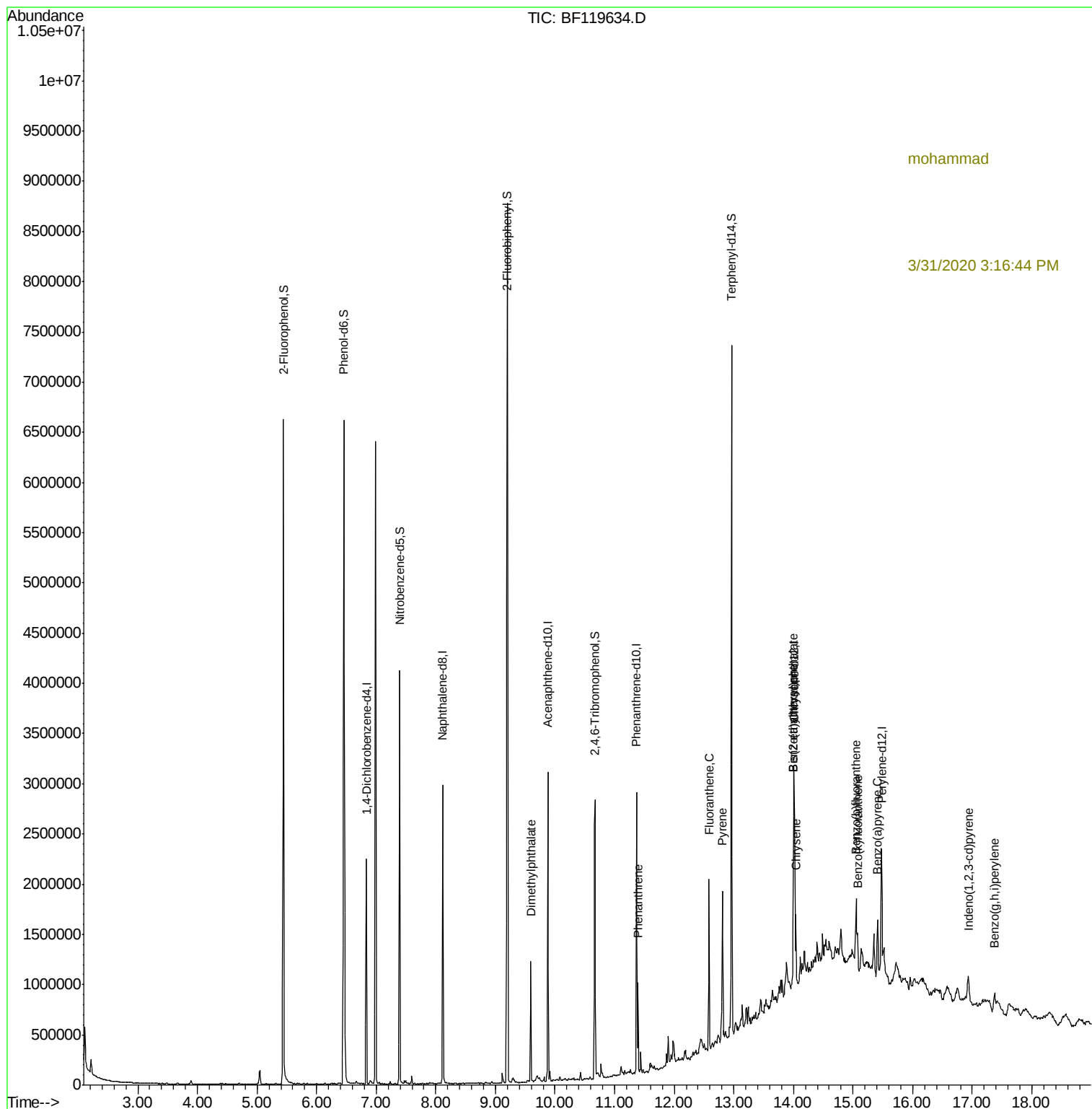
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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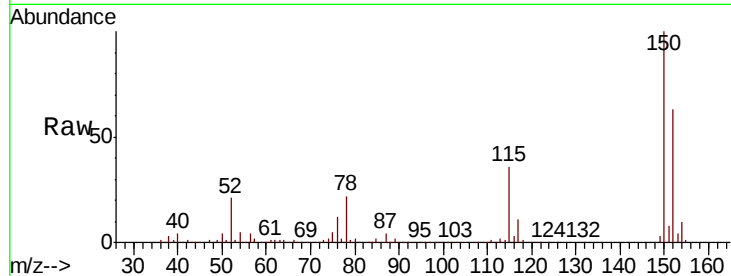


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Instrument :
BNA_F
ClientSampleId :
SB-3-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.5	186.7
115	58.3	49.6	74.4

Manual Integrations
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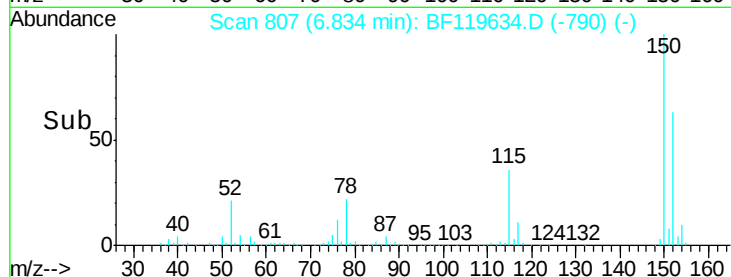
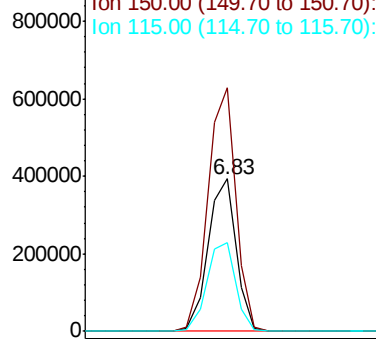


Abundance

Ion 152.00 (151.70 to 152.70): E

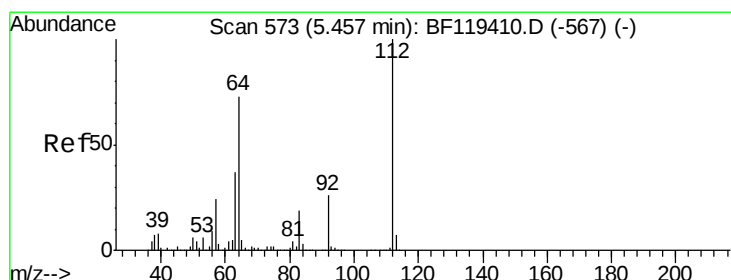
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



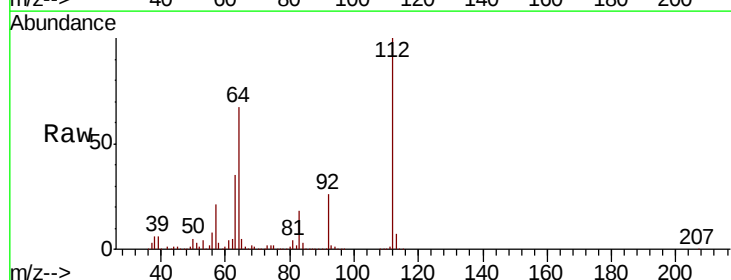
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#5
2-Fluorophenol
Concen: 86.576 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	56.7	85.1
63	34.7	29.5	44.3

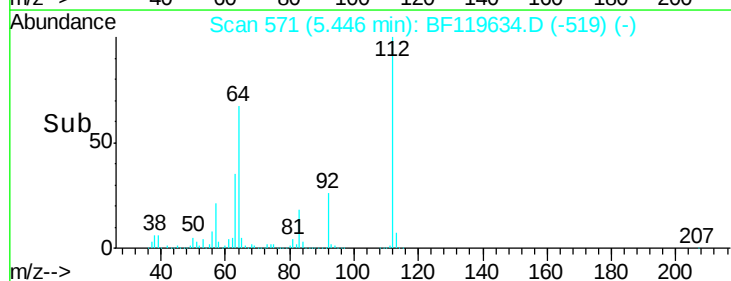
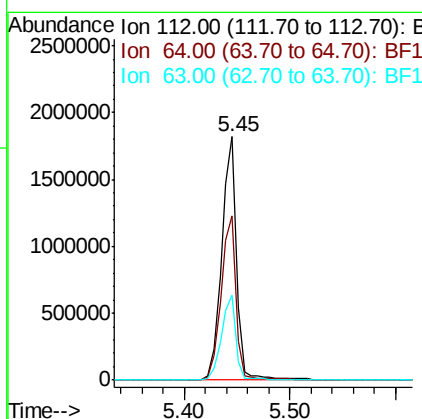


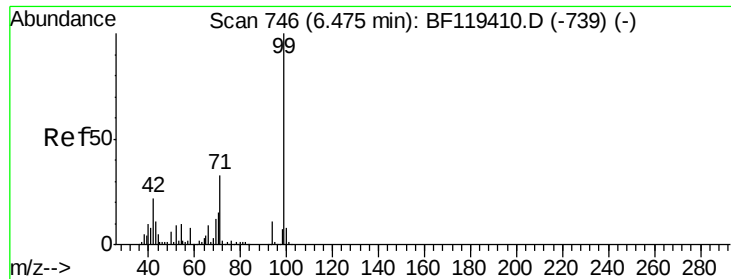
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.348 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Instrument :

BNA_F

ClientSampleId :

SB-3-(1-3)

Tot Ion: 99 Resp: 2602441

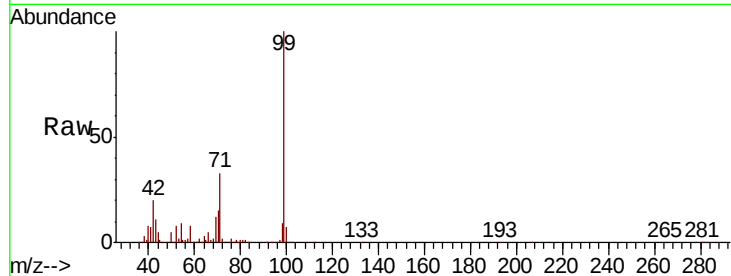
Ion Ratio Lower Upper

99 100

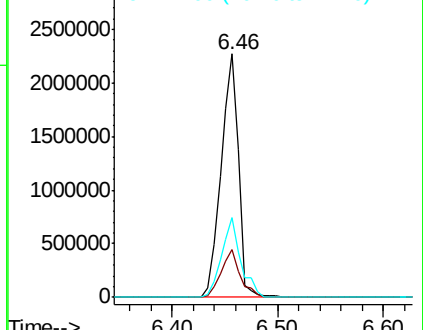
42 19.8 16.6 24.8

71 32.7 26.4 39.6

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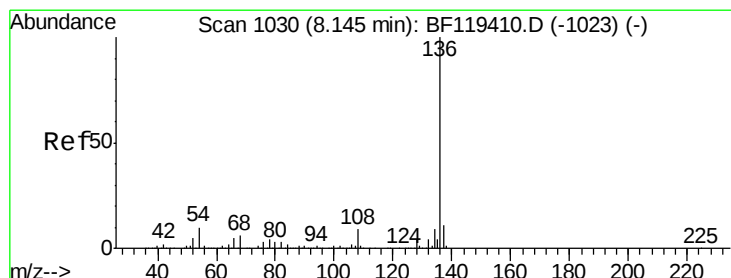
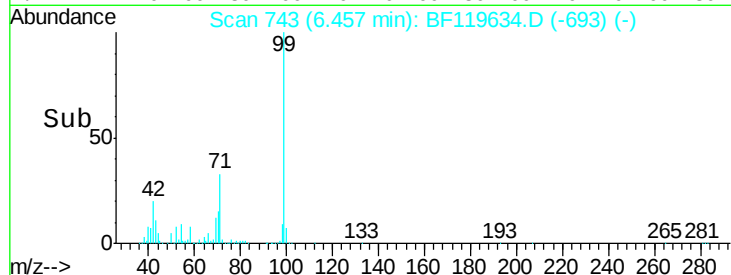


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



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3/31/2020 3:16:44 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Tgt Ion: 136 Resp: 1246923

Ion Ratio Lower Upper

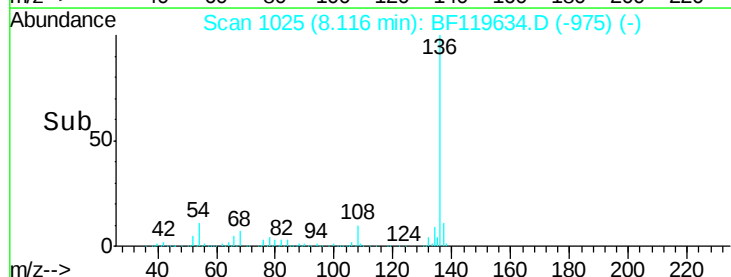
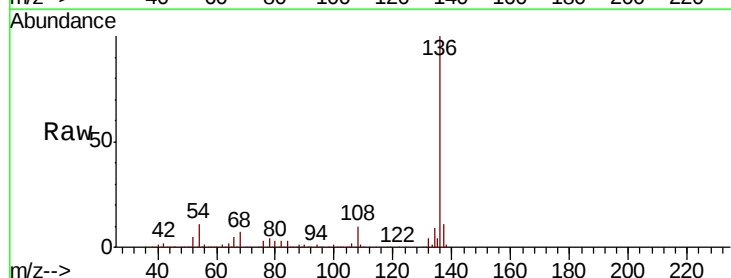
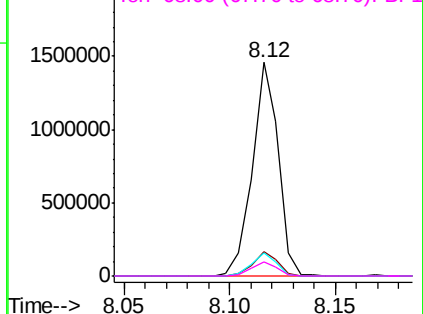
136 100

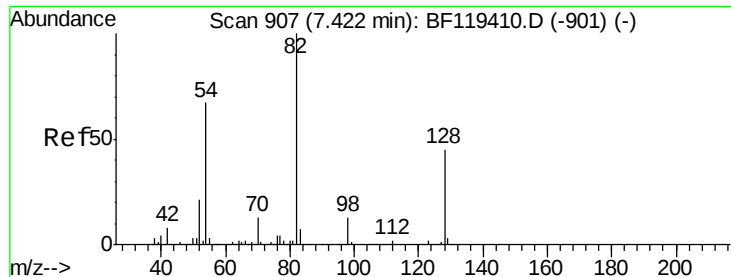
137 11.2 8.7 13.1

54 10.7 9.1 13.7

68 6.8 4.6 6.8

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



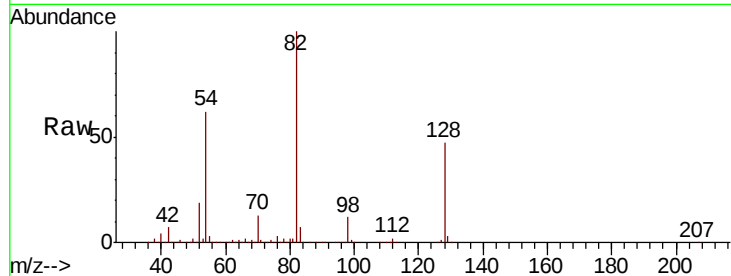


#23
Nitrobenzene-d5
Concen: 55.505 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

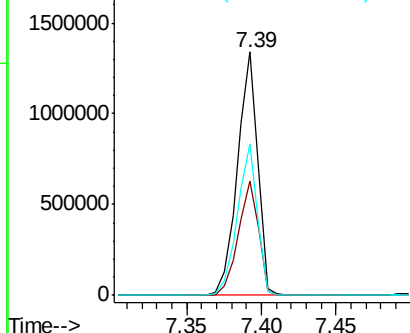
Instrument :
BNA_F
ClientSampled :
SB-3-(1-3)

Tot Ion	82	Resp	1273467
Ion Ratio	100	Lower	Upper
128	47.1	36.3	54.5
54	62.2	50.6	75.8

Manual Integrations
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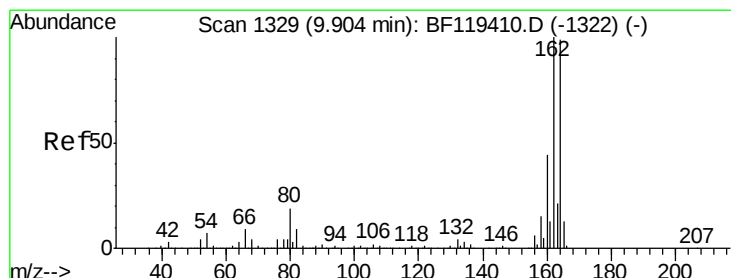
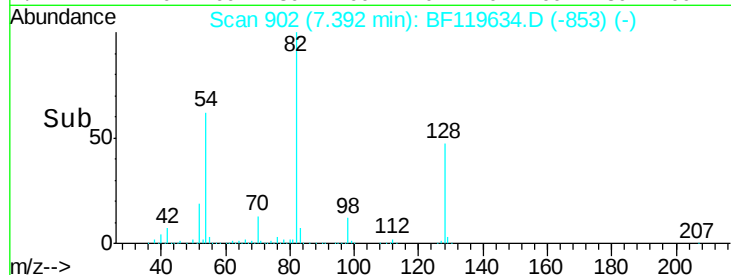


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



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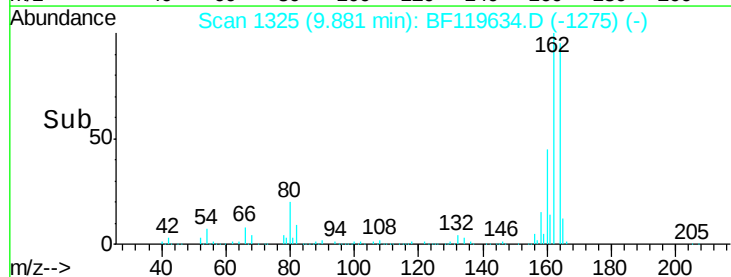
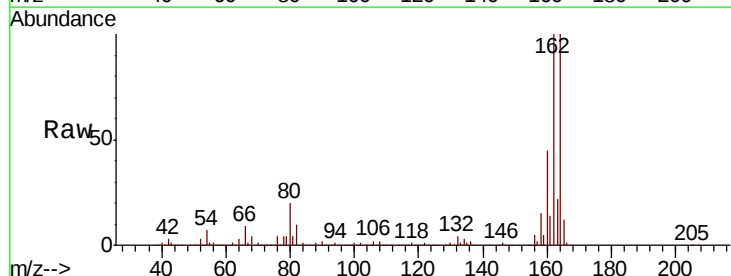
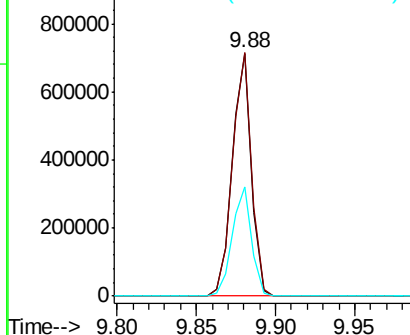
3/31/2020 3:16:44 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion	164	Resp	592870
Ion Ratio	100	Lower	Upper
162	100.5	80.6	121.0
160	45.3	35.7	53.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 55.265 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Instrument :

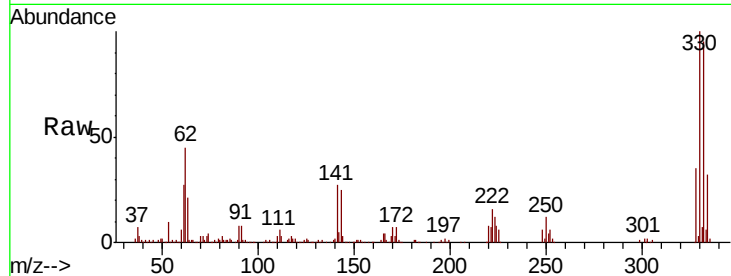
BNA_F

ClientSampled :

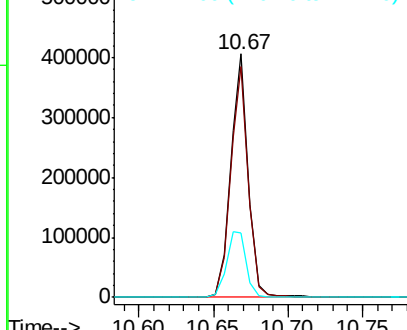
SB-3-(1-3)

Tot Ion:	330	Resp:	338025
Ion Ratio	Lower	Upper	
330	100		
332	95.5	75.7	113.5
141	30.9	25.4	38.0

Manual Integrations
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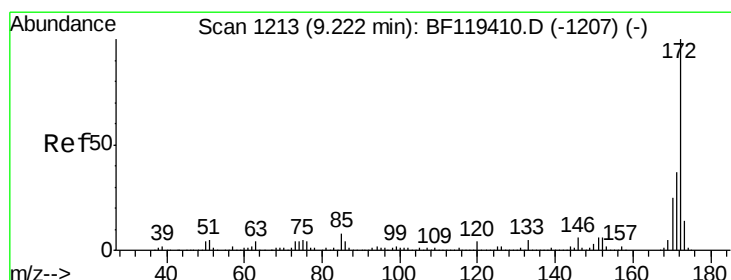
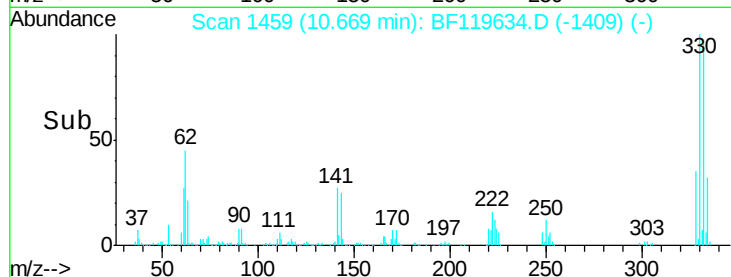


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



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#45

2-Fluorobiphenyl

Concen: 71.683 ng

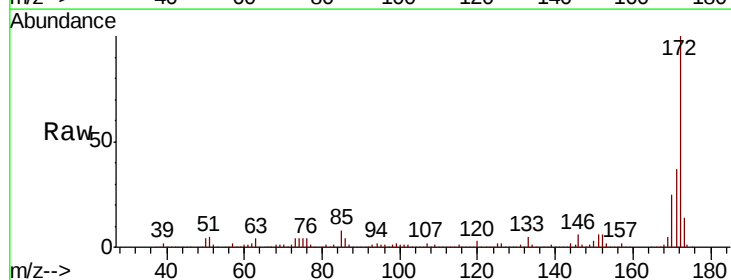
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

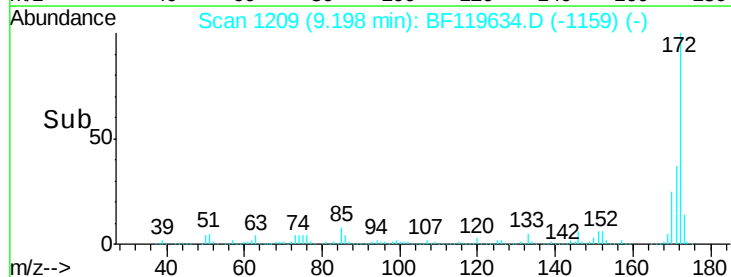
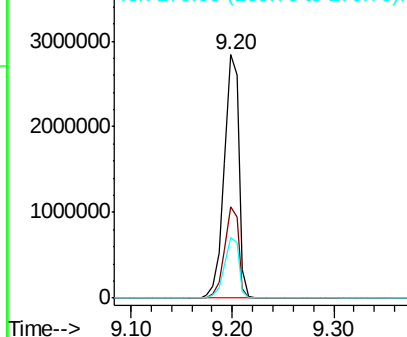
Lab File: BF119634.D

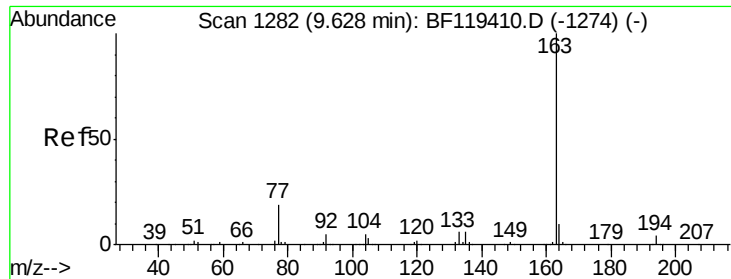
Acq: 30 Mar 2020 15:49

Tgt Ion:	172	Resp:	2868675
Ion Ratio	Lower	Upper	
172	100		
171	37.3	29.6	44.4
170	25.1	20.2	30.2



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



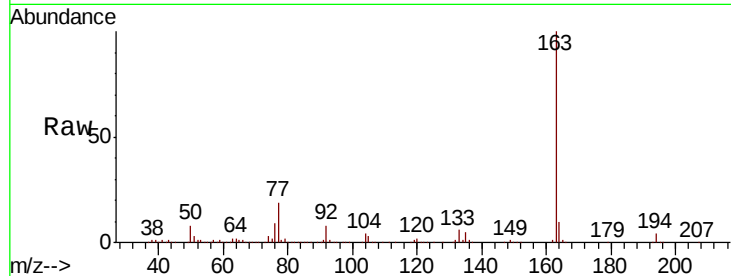


#50
Dimethylphthalate
Concen: 10.079 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

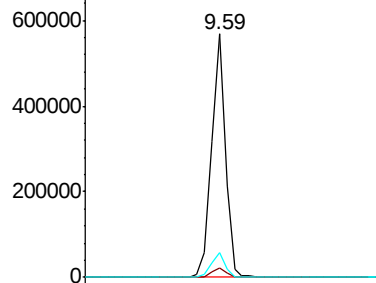
Instrument :
BNA_F
ClientSampled :
SB-3-(1-3)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.3	8.2	12.2

Manual Integrations
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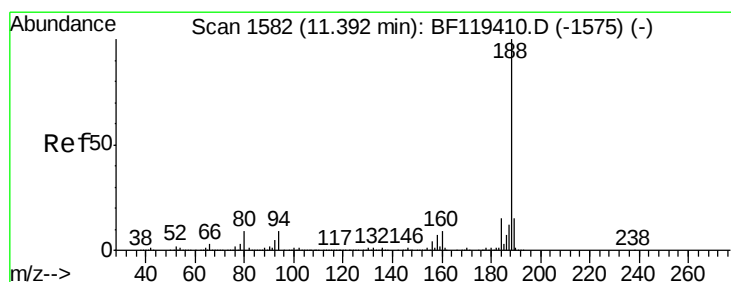
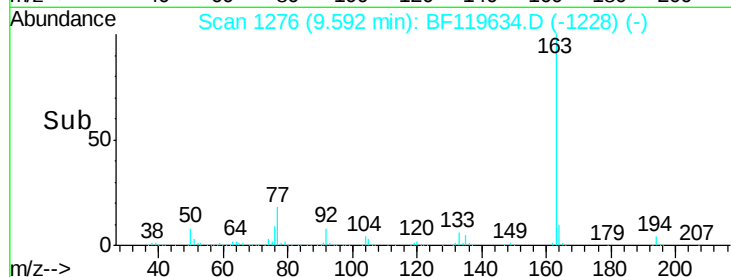


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



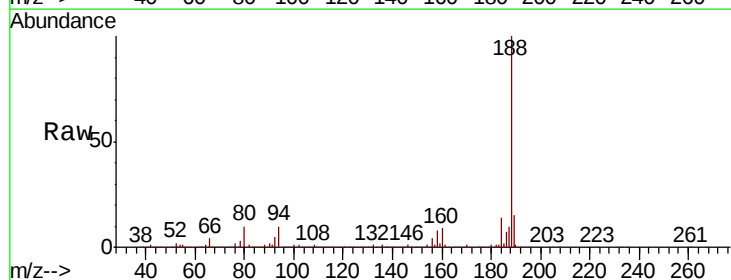
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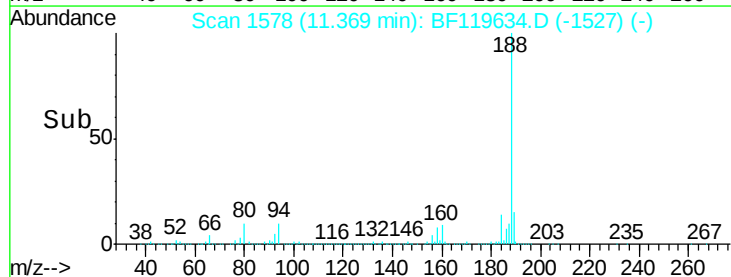
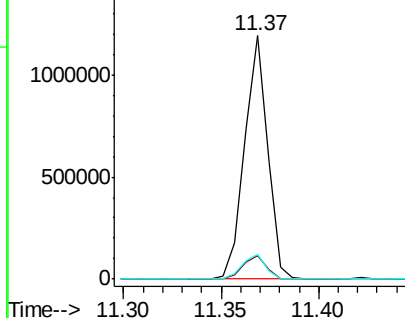


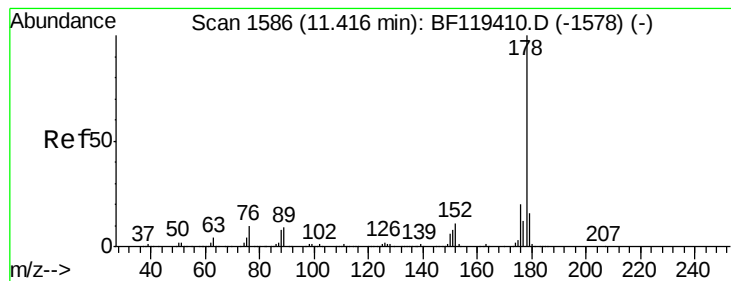
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.5	11.3
80	9.9	9.0	13.4



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: 6.236 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Instrument :

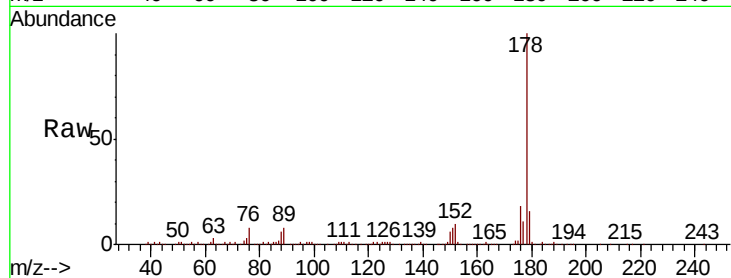
BNA_F

ClientSampleId :

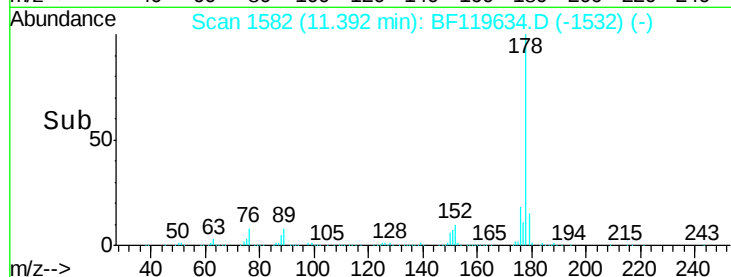
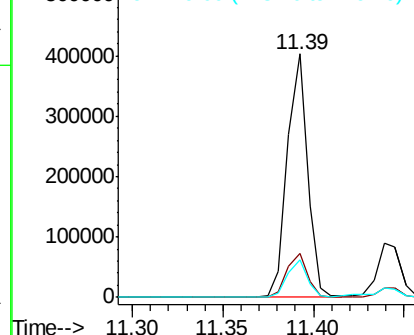
SB-3-(1-3)

Tot Ion:	178	Resp:	315629
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.2	24.4
179	15.6	13.2	19.8

Manual Integrations
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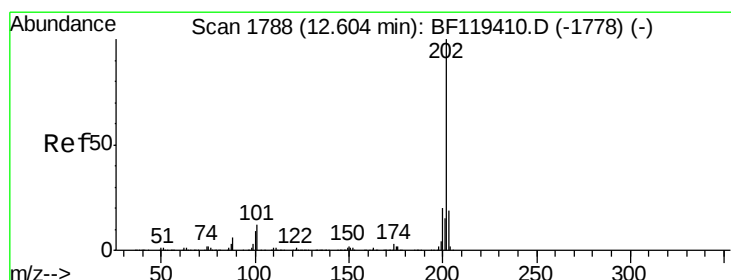


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



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3/31/2020 3:16:44 PM



#75

Fluoranthene

Concen: 12.578 ng

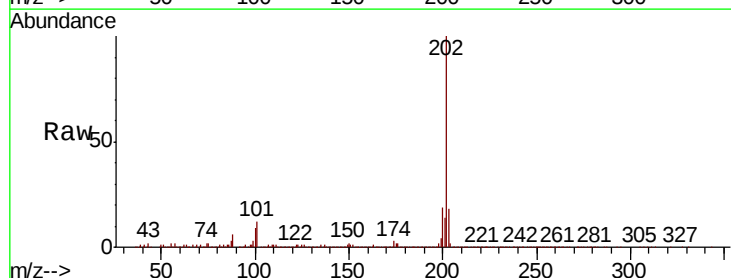
RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

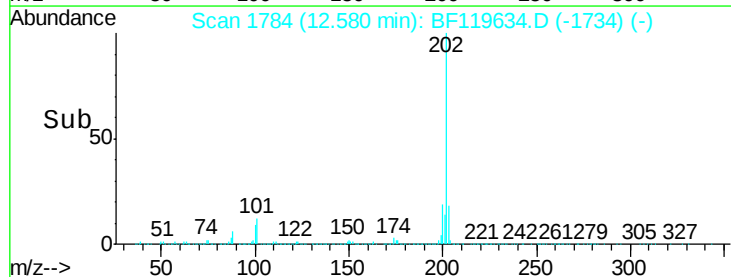
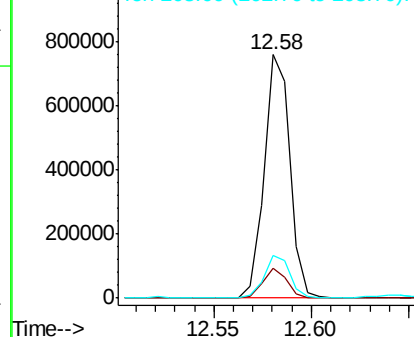
Lab File: BF119634.D

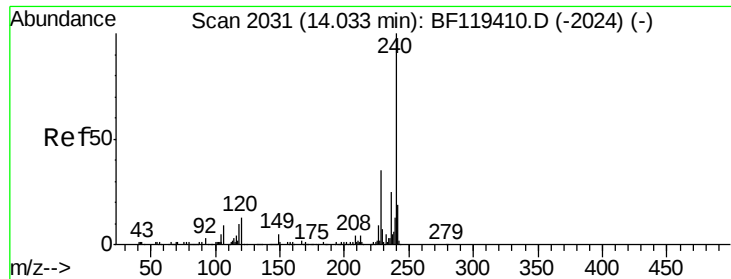
Acq: 30 Mar 2020 15:49

Tgt Ion:	202	Resp:	688991
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	32.2
203	17.7	0.0	38.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



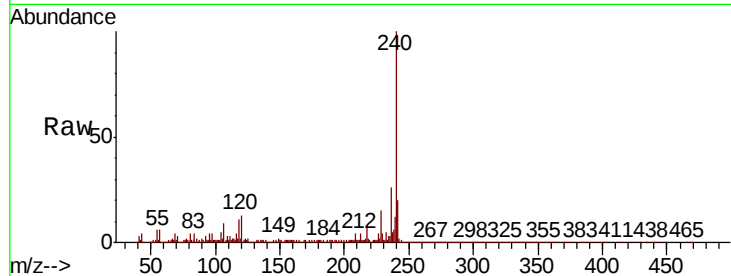


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Instrument :
BNA_F
ClientSampled :
SB-3-(1-3)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.6	15.8
236	26.0	20.2	30.2

Manual Integrations
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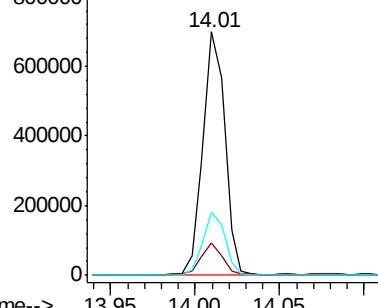


Abundance

Ion 240.00 (239.70 to 240.70): E

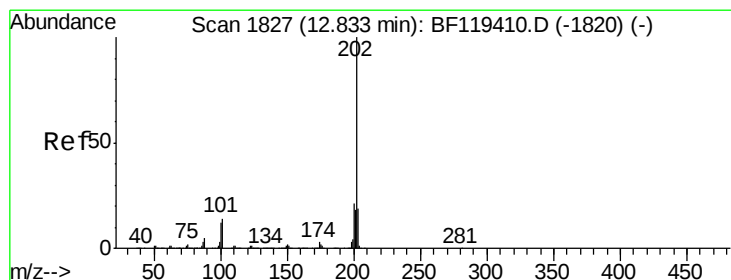
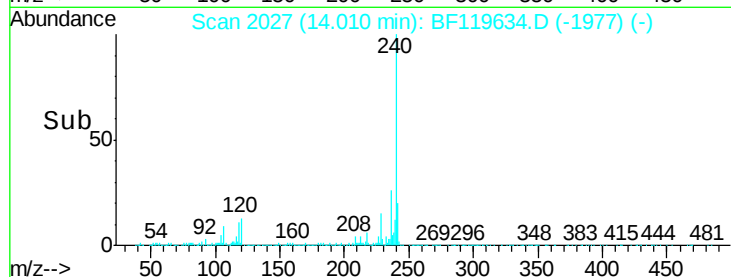
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



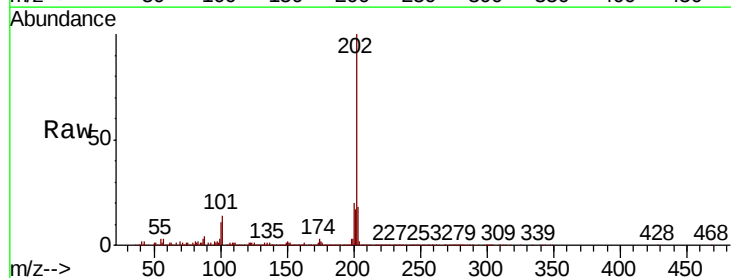
mohammad

3/31/2020 3:16:44 PM



#78
Pyrene
Concen: 11.499 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.8	25.2
203	18.2	15.1	22.7

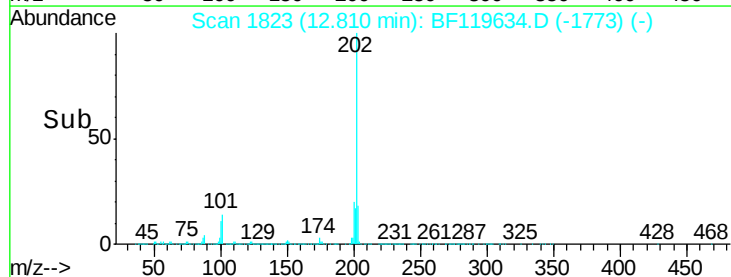
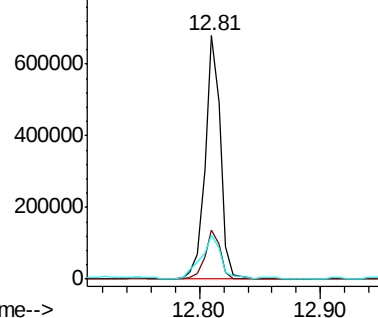


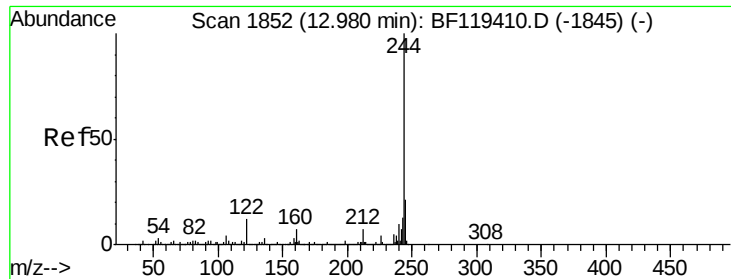
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 76.435 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Instrument :

BNA_F

ClientSampled :

SB-3-(1-3)

Tot Ion:244 Resp: 2467194

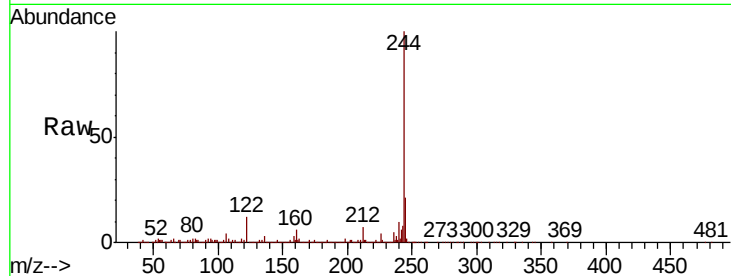
Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

122 11.5 10.3 15.5

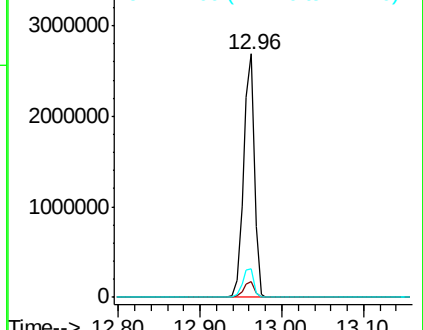
Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E

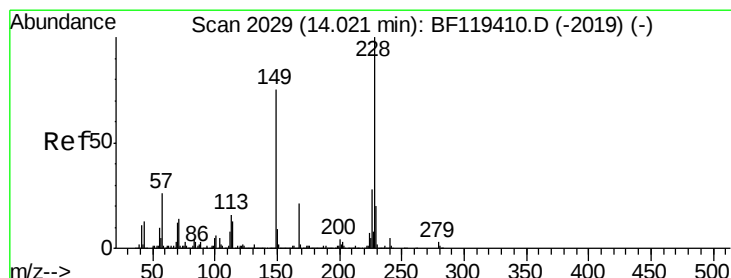
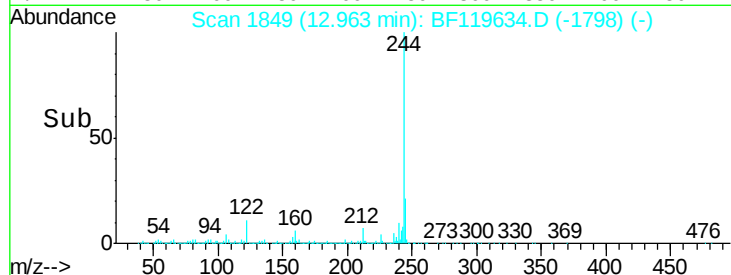
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



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3/31/2020 3:16:44 PM



#81

Benzo(a)anthracene

Concen: 8.022 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

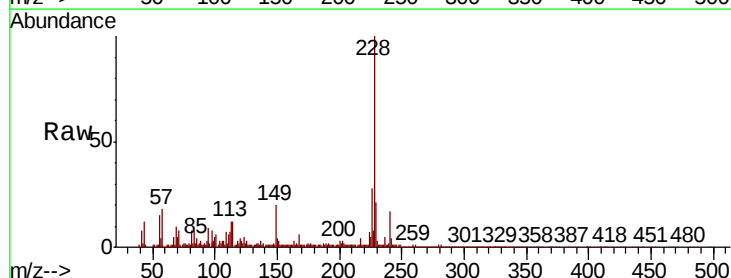
Tgt Ion:228 Resp: 329892

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

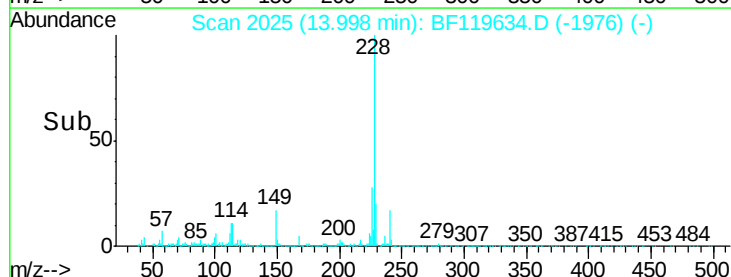
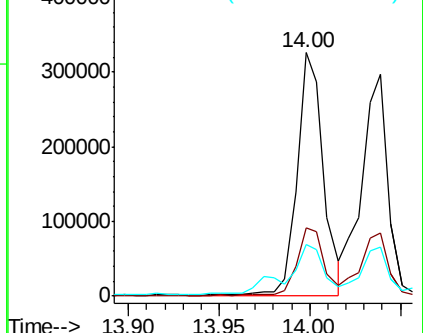
229 21.0 16.2 24.4

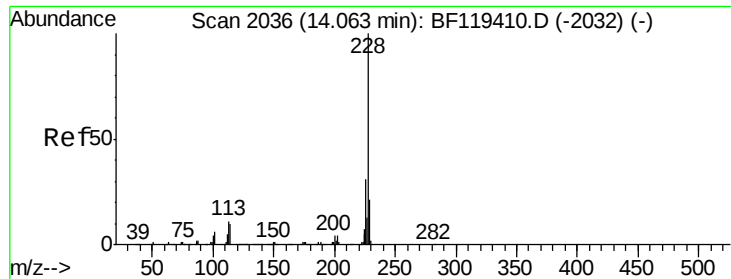


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



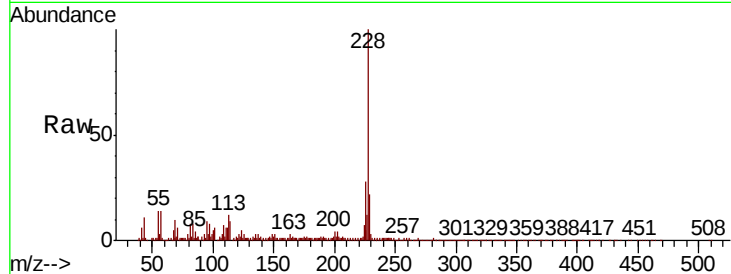


#83
Chrysene
Concen: 7.097 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

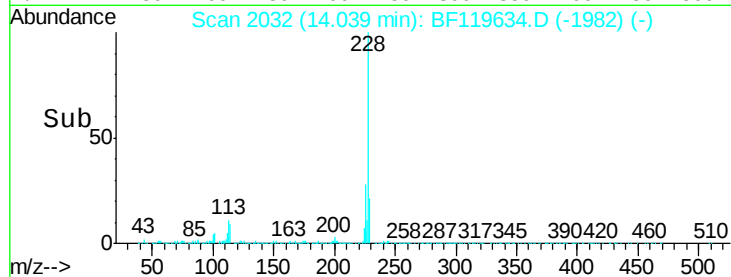
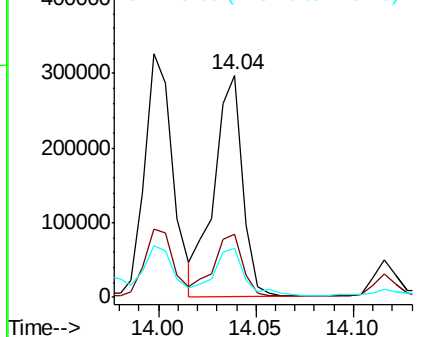
Instrument :
BNA_F
ClientSampled :
SB-3-(1-3)

Tot Ion:	228	Resp:	301204
Ion Ratio		Lower	Upper
228	100		
226	28.1	25.4	38.0
229	22.1	16.6	24.8

Manual Integrations
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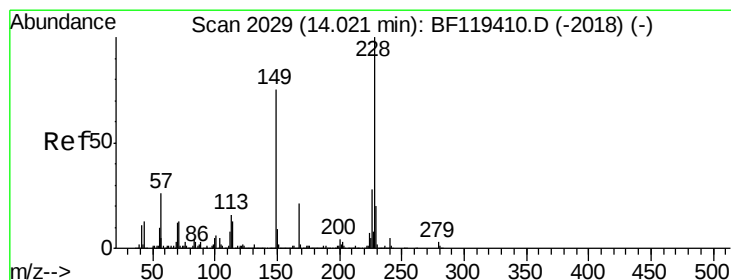


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



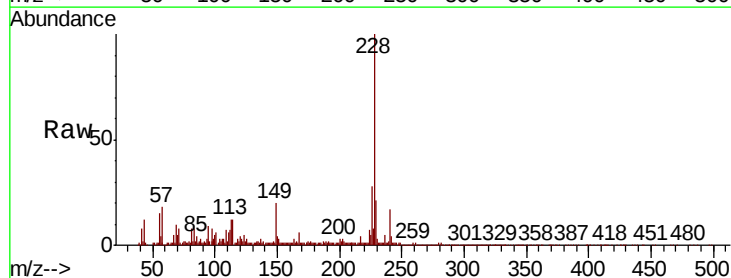
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3/31/2020 3:16:44 PM

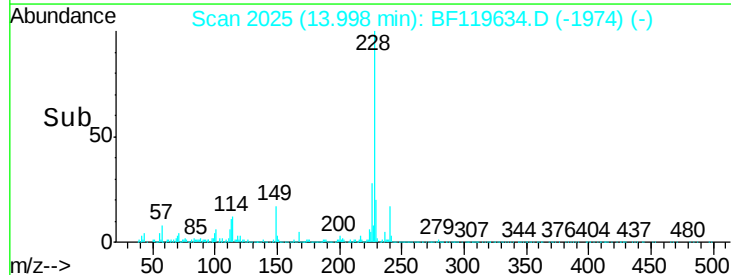
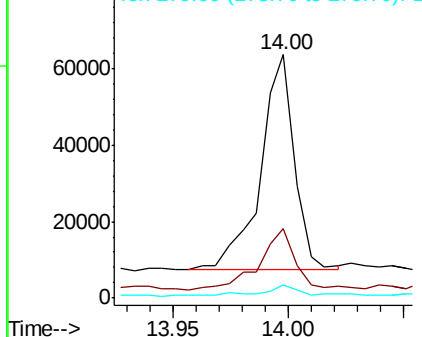


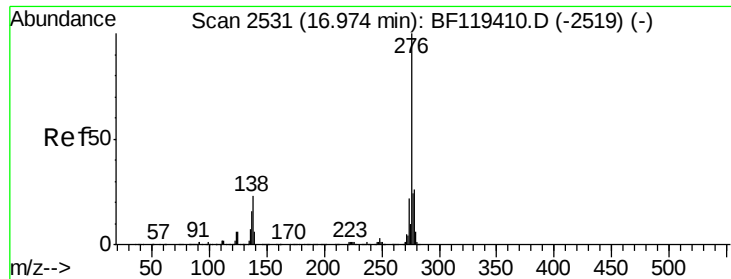
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.300 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion:	149	Resp:	57543
Ion Ratio		Lower	Upper
149	100		
167	28.5	21.3	31.9
279	5.2	2.7	4.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



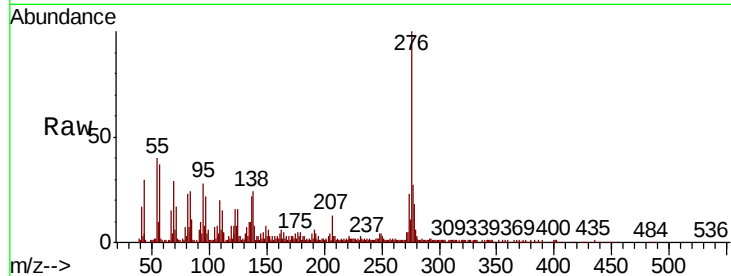


#86
Indeno(1,2,3-cd)pyrene
Concen: 4.161 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

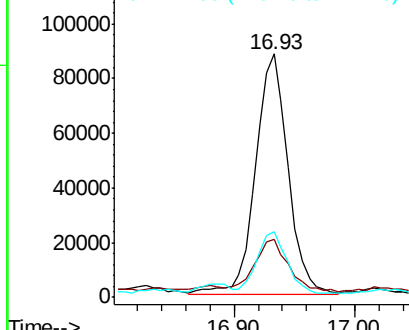
Instrument :
BNA_F
ClientSampleId :
SB-3-(1-3)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	19.6	29.4
277	23.5	20.0	30.0

Manual Integrations
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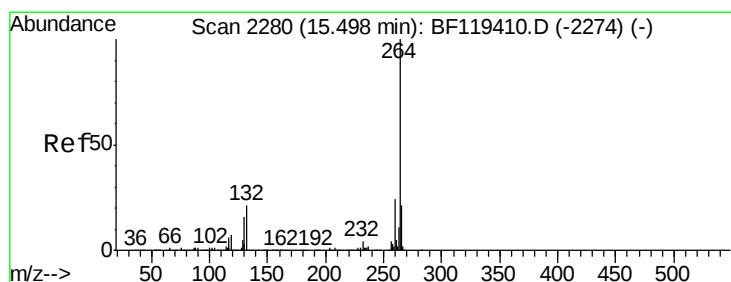
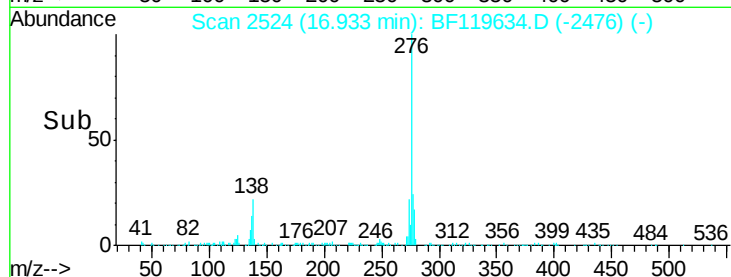


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



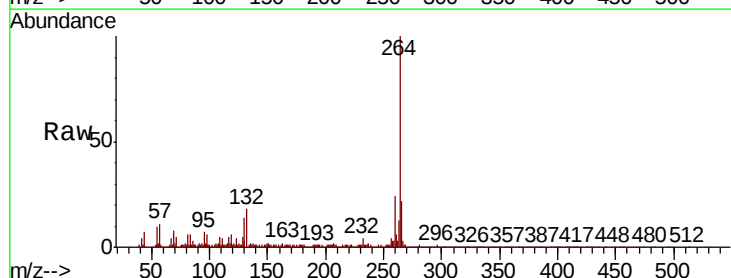
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3/31/2020 3:16:44 PM

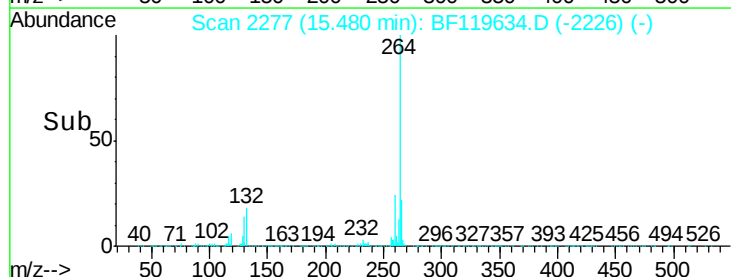
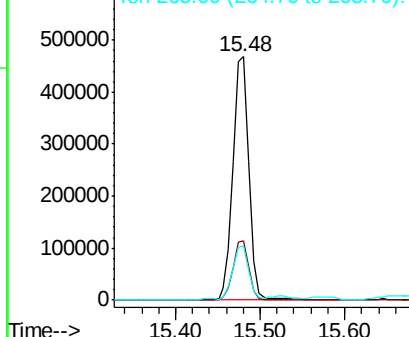


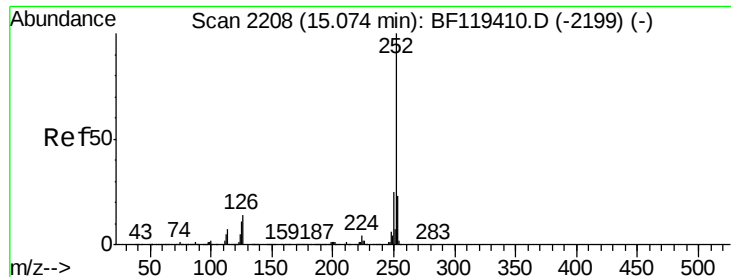
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.3	17.7	26.5



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: 9.470 ng m

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Instrument :

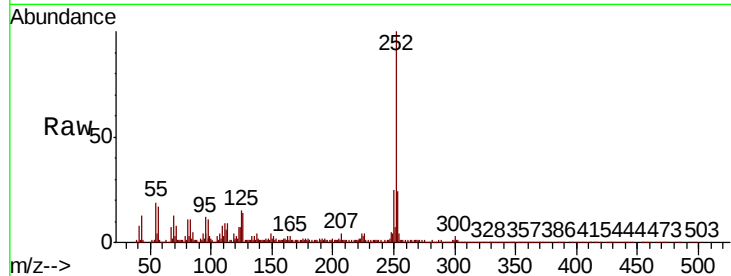
BNA_F

ClientSampled :

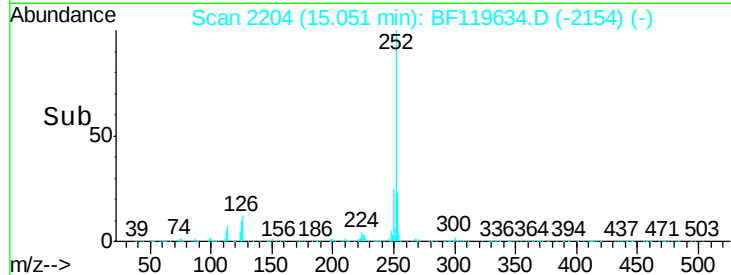
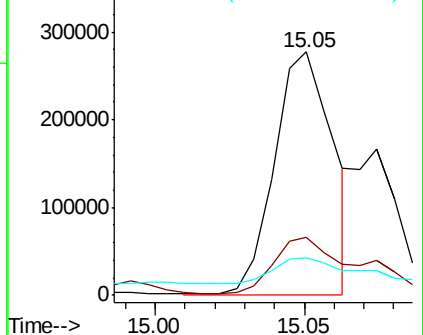
SB-3-(1-3)

Tot Ion:	252	Resp:	378639
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	15.4	7.9	11.9#

Manual Integrations
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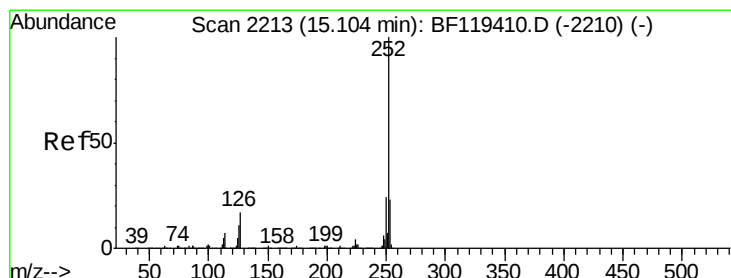


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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3/31/2020 3:16:44 PM



#89

Benzo(k)fluoranthene

Concen: 4.412 ng m

RT: 15.07 min Scan# 2208

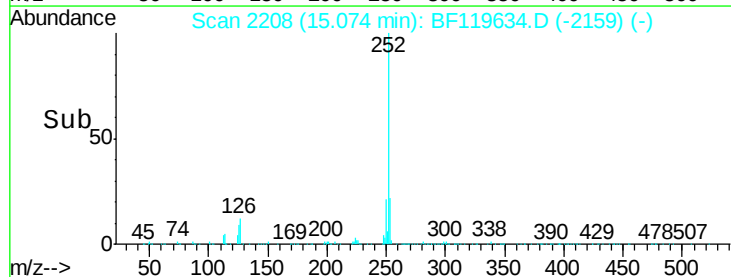
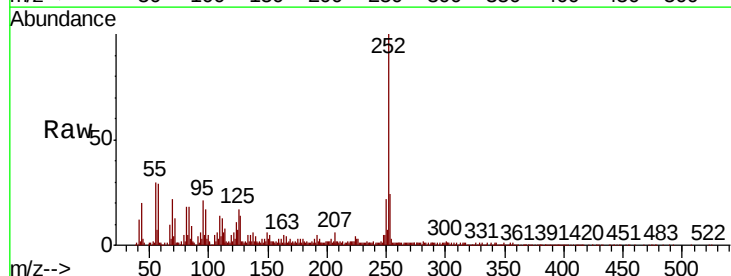
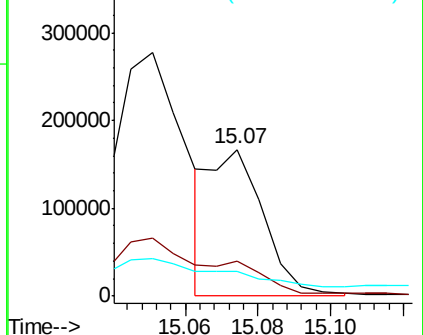
Delta R.T. -0.01 min

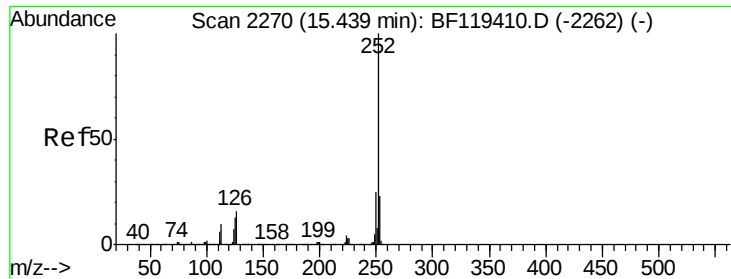
Lab File: BF119634.D

Acq: 30 Mar 2020 15:49

Tgt Ion:	252	Resp:	167987
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	16.7	8.4	12.6#

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



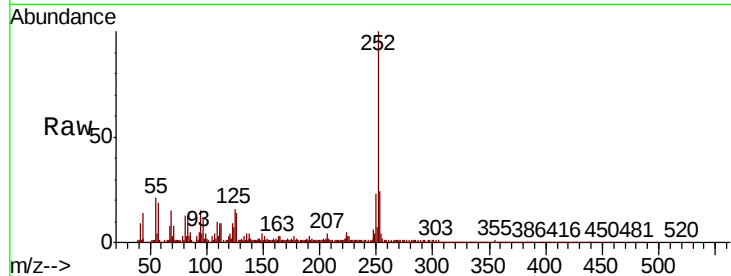


#90
Benzo(a)pyrene
Concen: 7.570 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

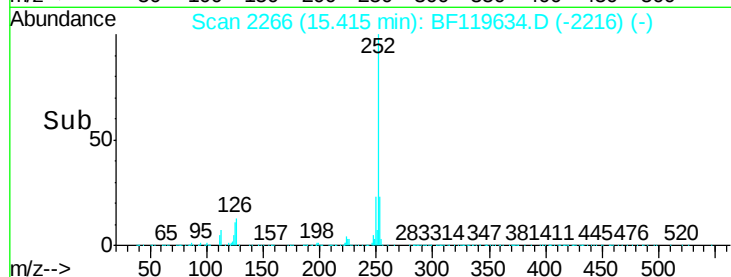
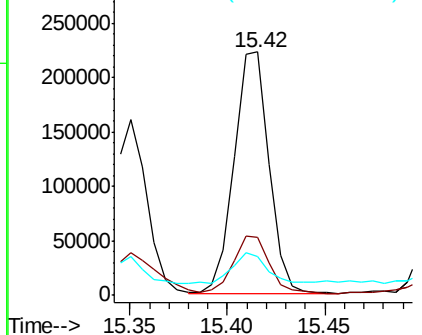
Instrument :
BNA_F
ClientSampleId :
SB-3-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	15.7	9.4	14.2

Manual Integrations
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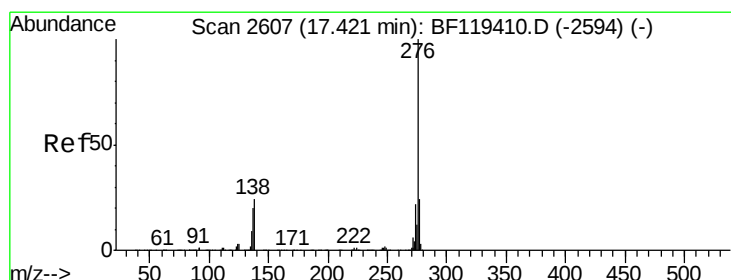


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



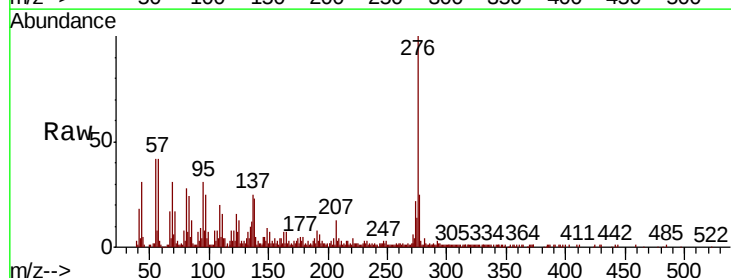
mohammad

3/31/2020 3:16:44 PM



#92
Benzo(g,h,i)perylene
Concen: 4.659 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BF119634.D
Acq: 30 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	23.2	15.4	23.0



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

