

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119747.D
 Acq On : 4 Apr 2020 6:14
 Operator : MA/SJ
 Sample : L2129-16
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Apr 04 06:53:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	198291	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	742730	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	358754	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	597746	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	384544	20.00	ng	-0.02
87) Perylene-d12	15.43	264	398724	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1947899	156.38	ng	0.01
7) Phenol-d6	6.44	99	2510091	157.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	1554979	113.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	594737	160.69	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2485858	102.65	ng	-0.01
79) Terphenyl-d14	12.93	244	2018806	102.86	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.56	163	374566	14.699	ng	Qvalue 100
71) Phenanthrene	11.36	178	282647	9.119	ng	97
75) Fluoranthene	12.54	202	369861	11.026	ng	97
78) Pyrene	12.77	202	343616	10.888	ng	98
81) Benzo(a)anthracene	13.96	228	144917	5.795	ng	99
83) Chrysene	14.00	228	165521	6.414	ng	97
86) Indeno(1,2,3-cd)pyrene	16.86	276	82887	3.410	ng	95
88) Benzo(b)fluoranthene	15.00	252	210560m	7.905	ng	
89) Benzo(k)fluoranthene	15.03	252	60388m	2.381	ng	
90) Benzo(a)pyrene	15.36	252	142818	5.900	ng	97
92) Benzo(g,h,i)perylene	17.29	276	83295	3.916	ng	97

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

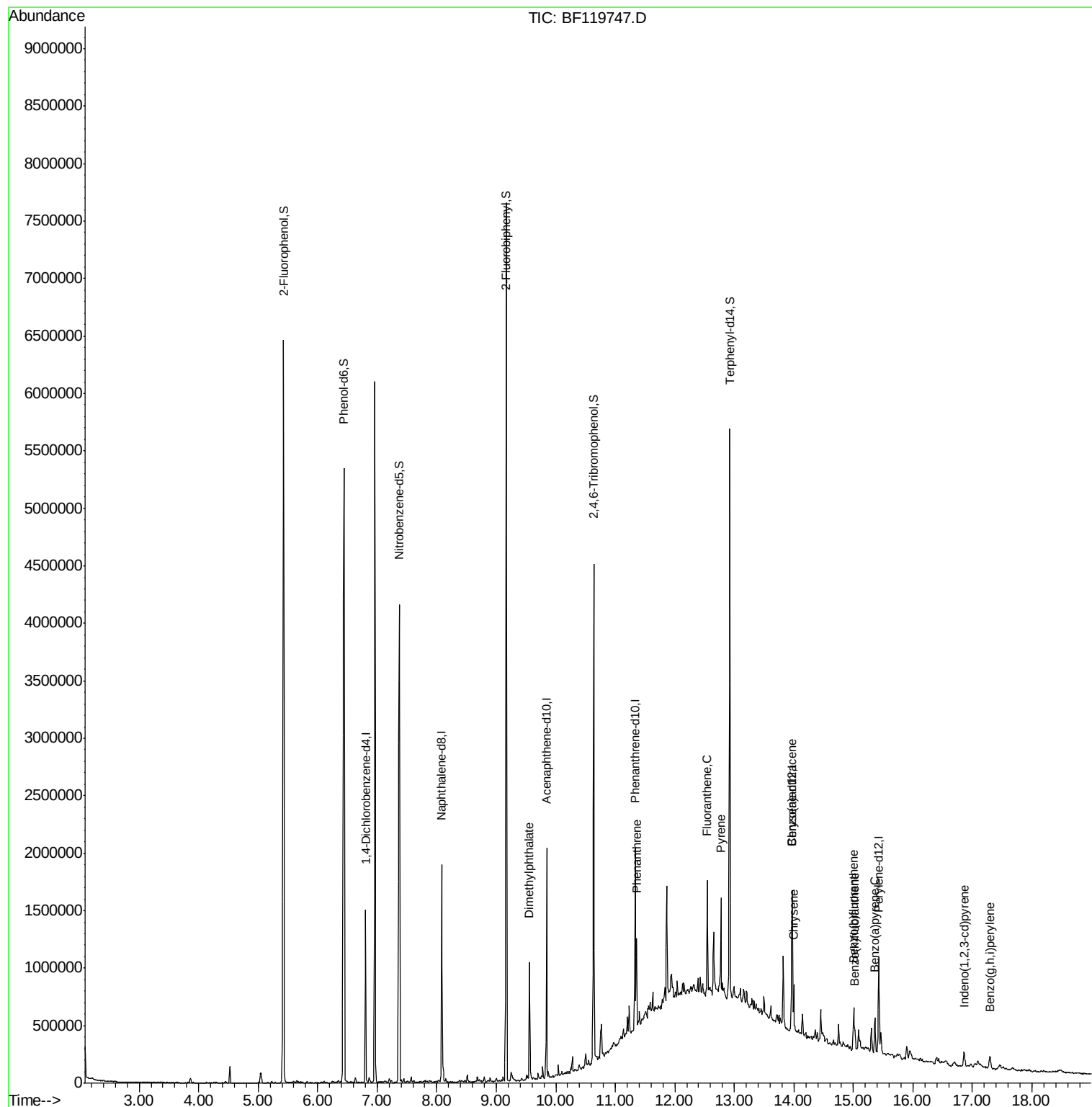
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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ALS Vial : 36 Sample Multiplier: 1

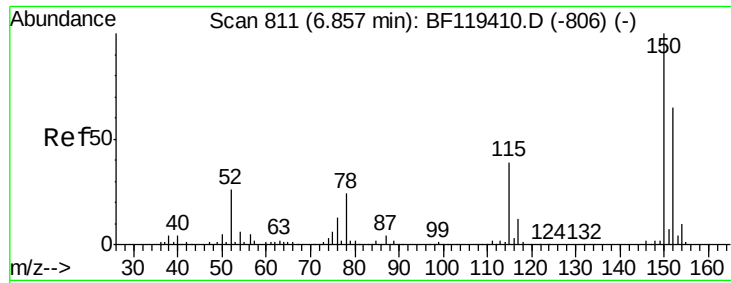
Instrument :
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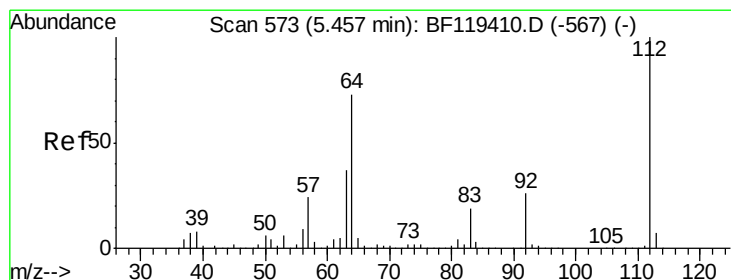
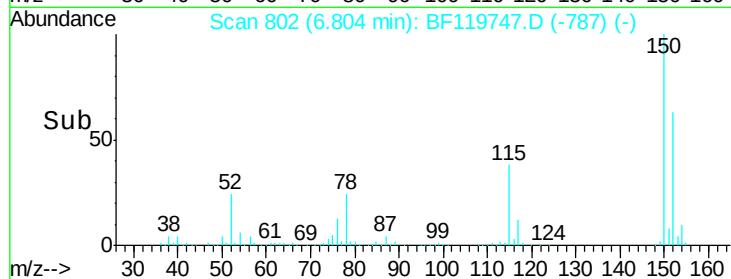
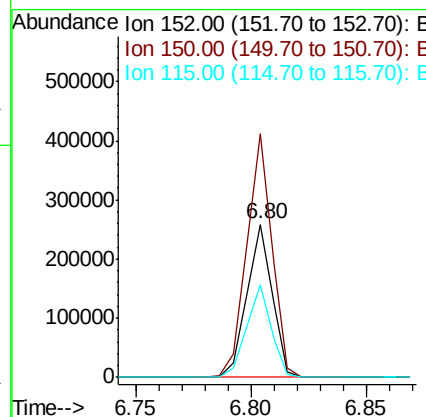
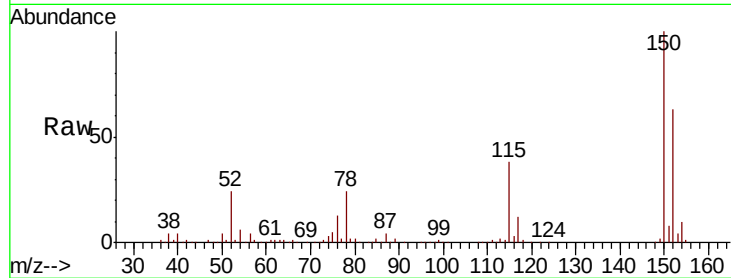
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.5	186.7
115	60.4	49.6	74.4

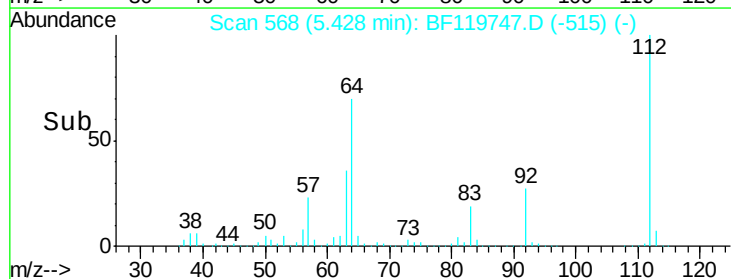
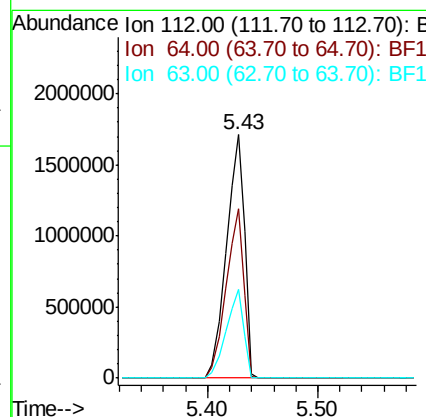
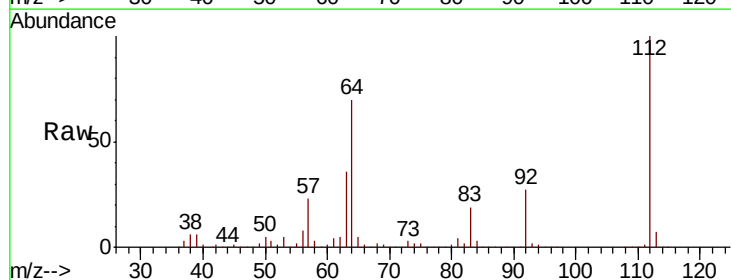
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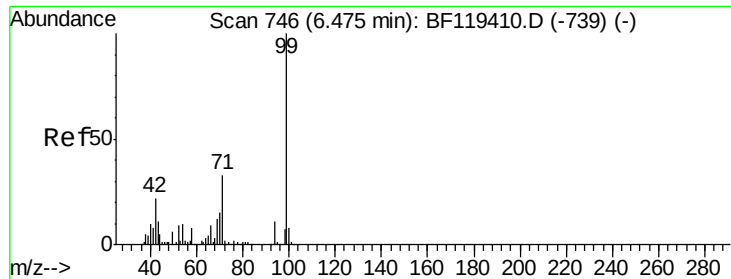
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#5
 2-Fluorophenol
 Concen: 156.380 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.7	85.1
63	36.2	29.5	44.3





#7

Phenol-d6

Concen: 157.749 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion: 99 Resp: 2510091

Ion Ratio Lower Upper

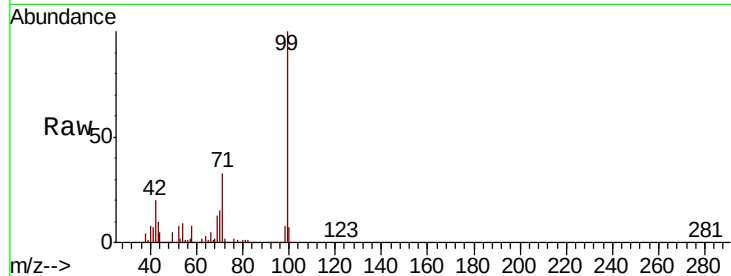
99 100

42 19.8 16.6 24.8

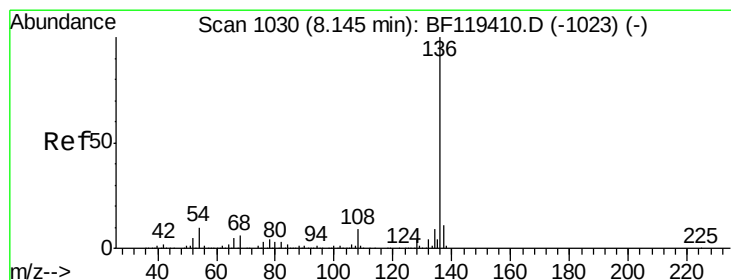
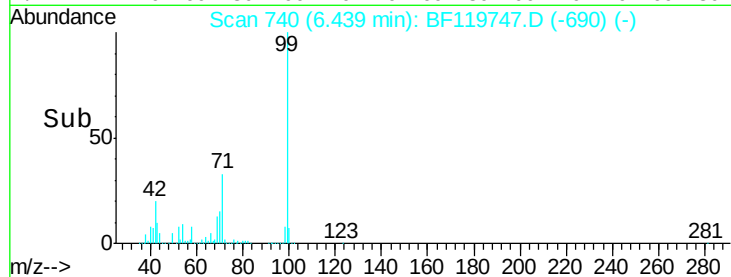
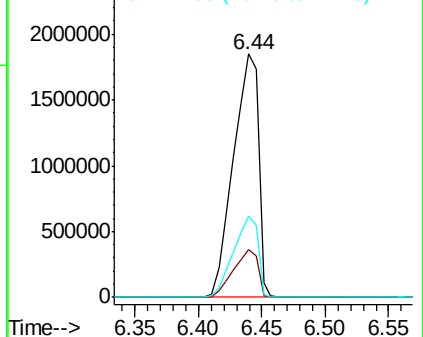
71 33.3 26.4 39.6

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Abundance Ion 99.00 (98.70 to 99.70): BF1
2500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Tgt Ion: 136 Resp: 742730

Ion Ratio Lower Upper

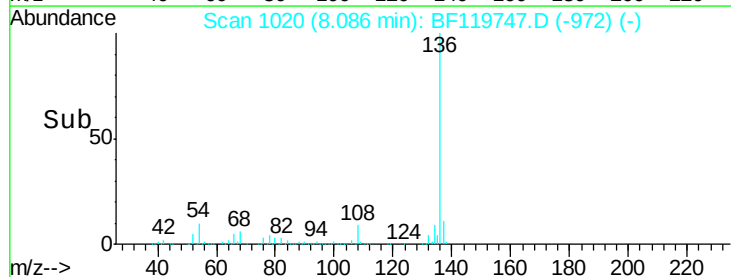
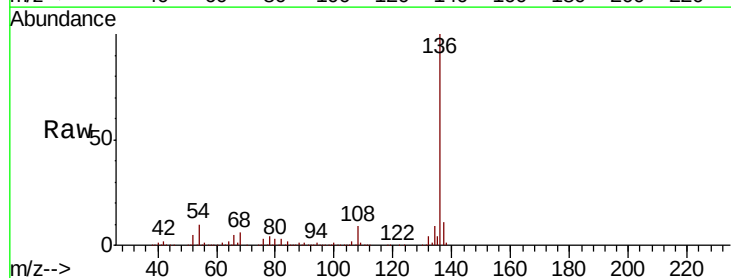
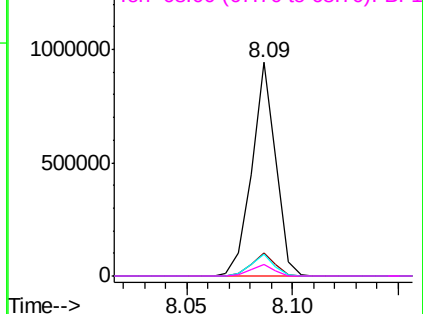
136 100

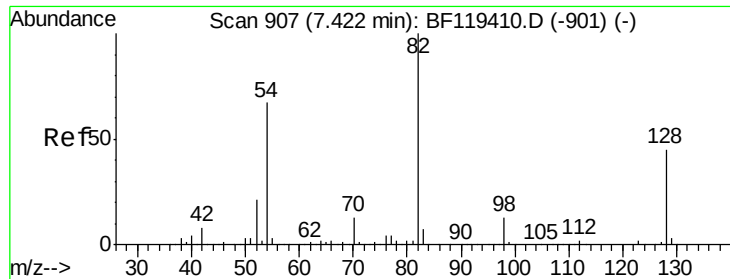
137 10.9 8.7 13.1

54 10.0 9.1 13.7

68 5.6 4.6 6.8

Abundance Ion 136.00 (135.70 to 136.70): E
1500000
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





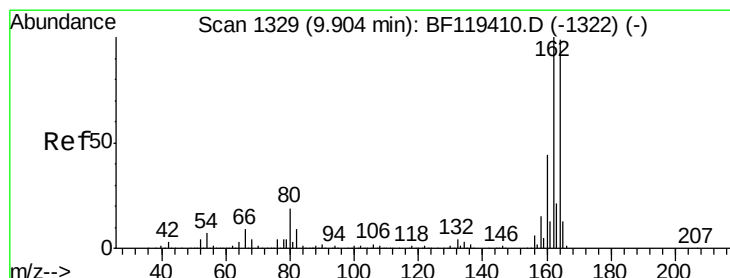
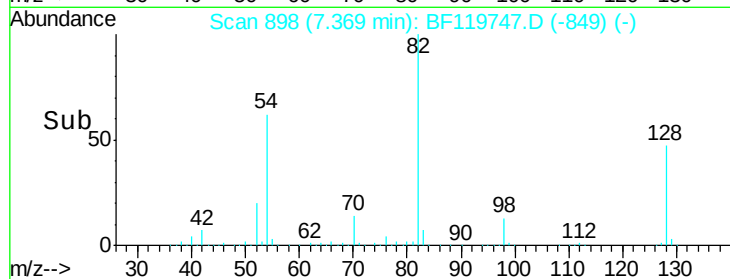
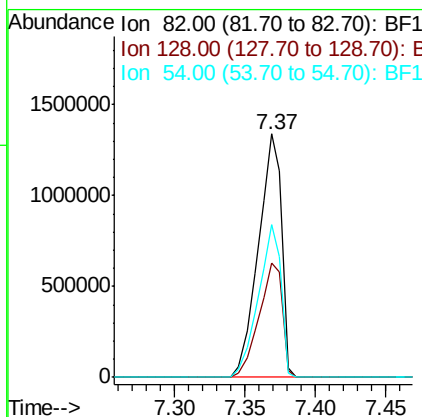
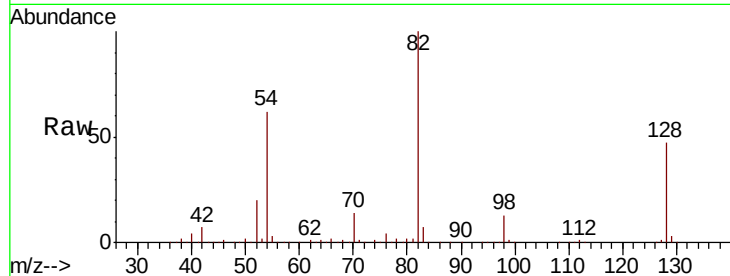
#23
Nitrobenzene-d5
Concen: 113.783 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion: 82 Resp: 1554979
Ion Ratio Lower Upper
82 100
128 47.1 36.3 54.5
54 62.5 50.6 75.8

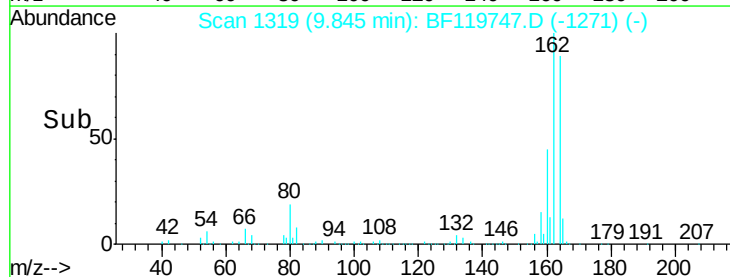
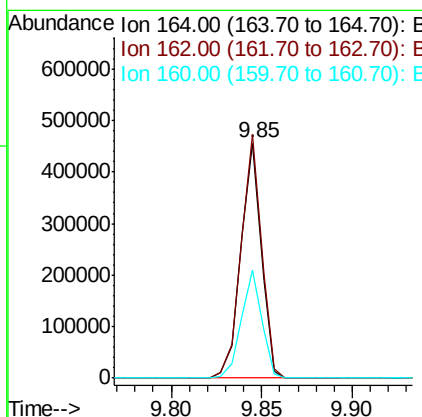
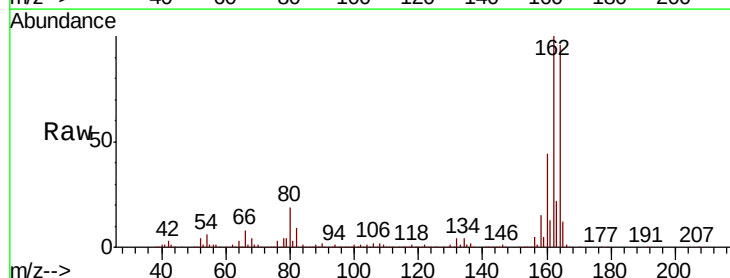
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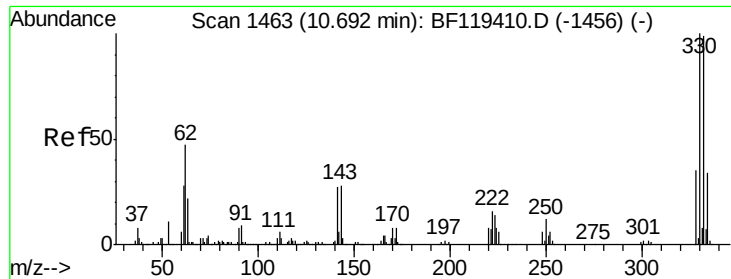
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion: 164 Resp: 358754
Ion Ratio Lower Upper
164 100
162 103.7 80.6 121.0
160 46.1 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 160.690 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

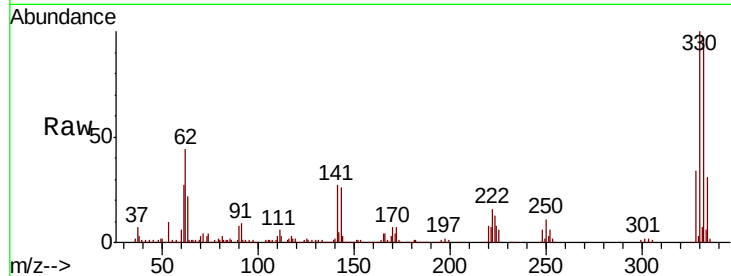
ClientSampled :

TP-4

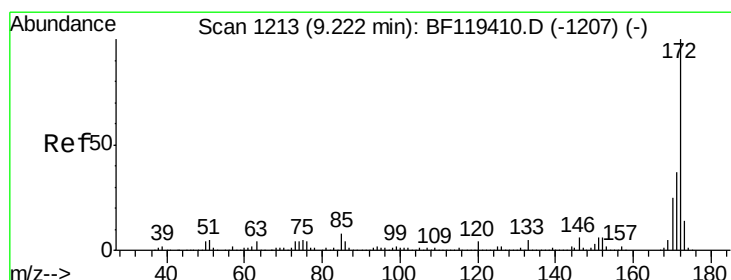
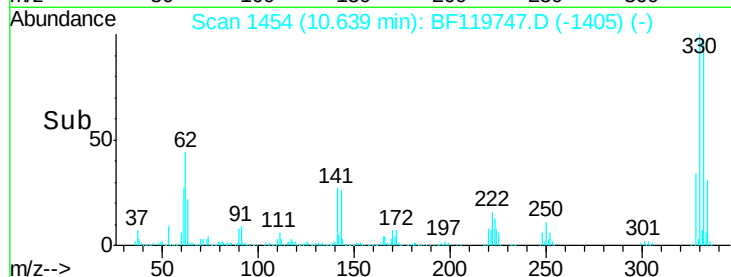
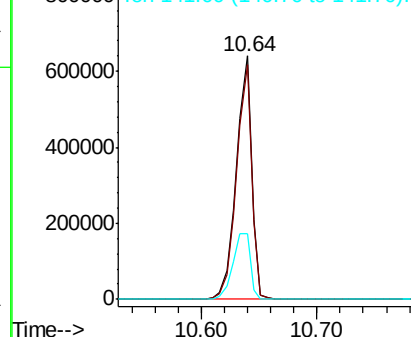
Tot Ion:	330	Resp:	594737
Ion Ratio	Lower	Upper	
330	100		
332	95.5	75.7	113.5
141	30.5	25.4	38.0

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



#45

2-Fluorobiphenyl

Concen: 102.653 ng

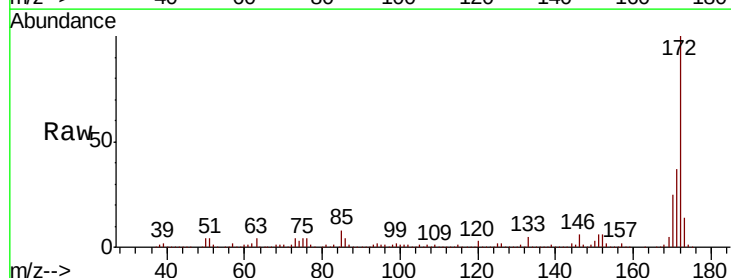
RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

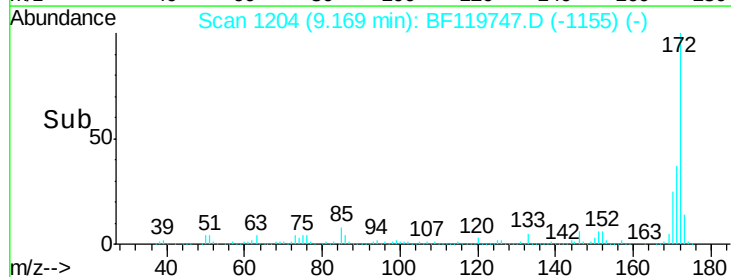
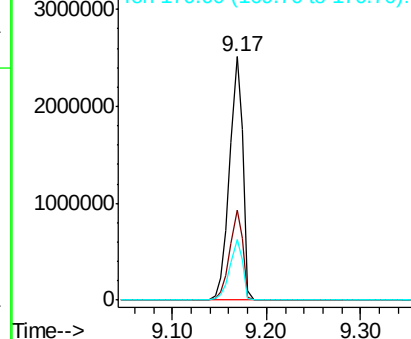
Lab File: BF119747.D

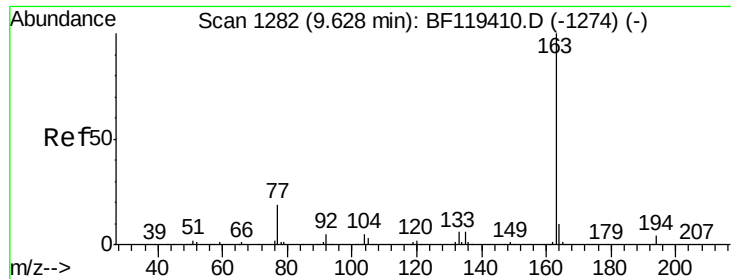
Acq: 4 Apr 2020 6:14

Tgt Ion:	172	Resp:	2485858
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.6	44.4
170	24.6	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





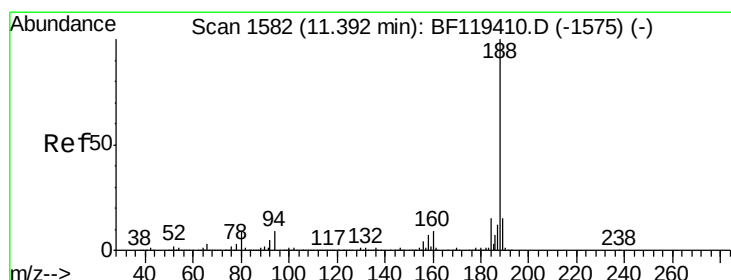
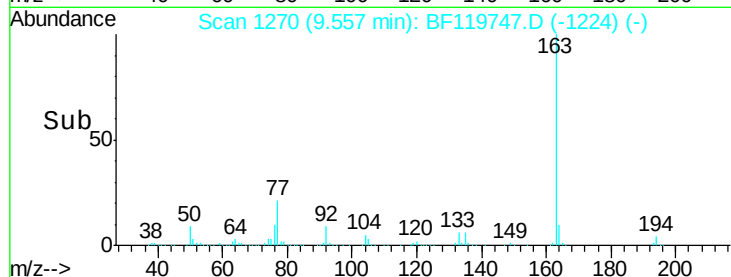
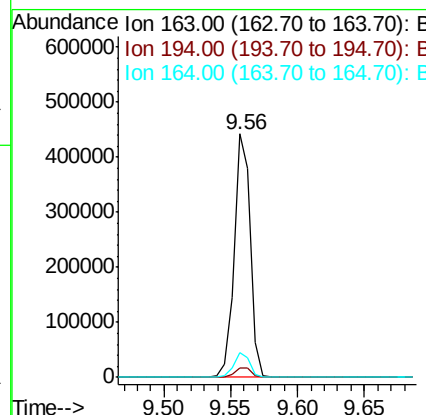
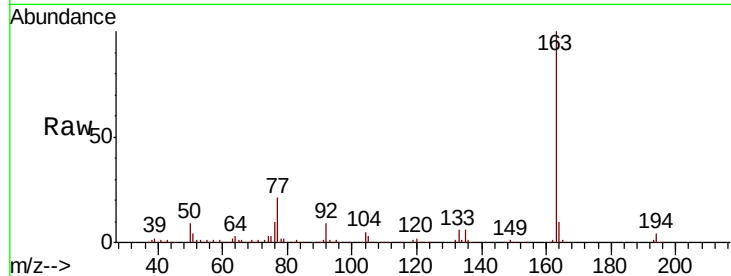
#50
Dimethylphthalate
Concen: 14.699 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.2

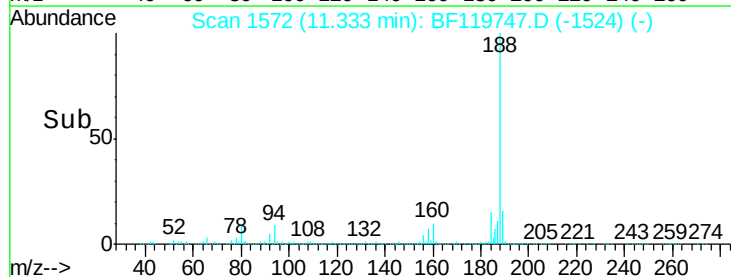
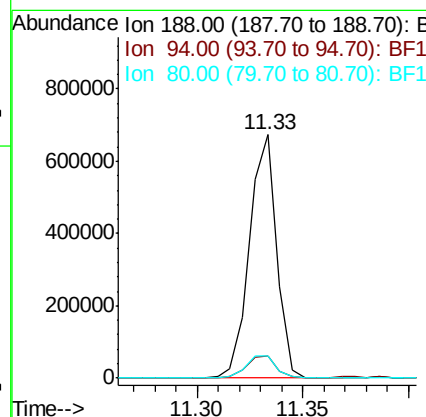
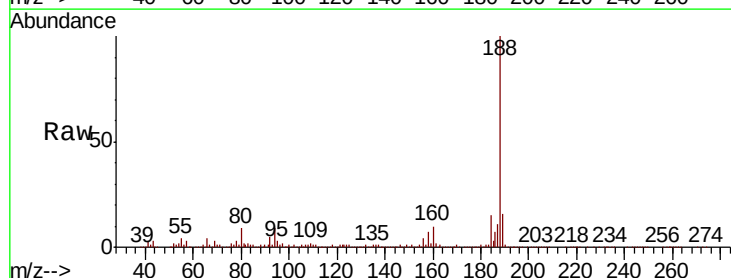
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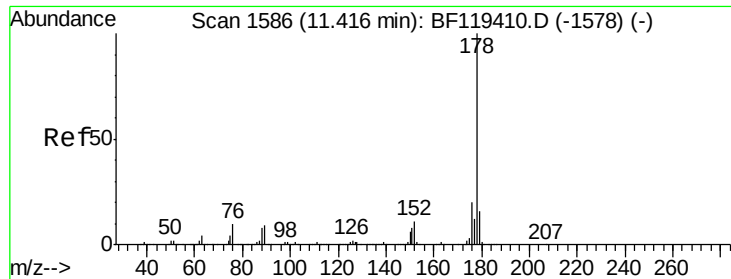
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.5	11.3
80	9.3	9.0	13.4





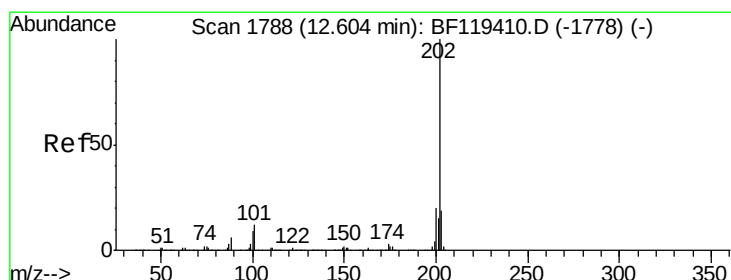
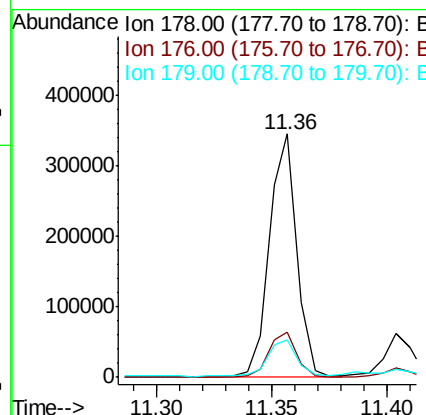
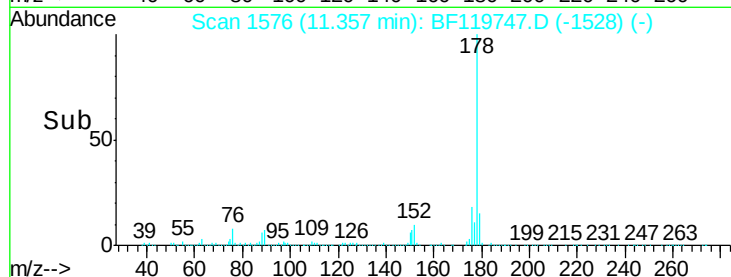
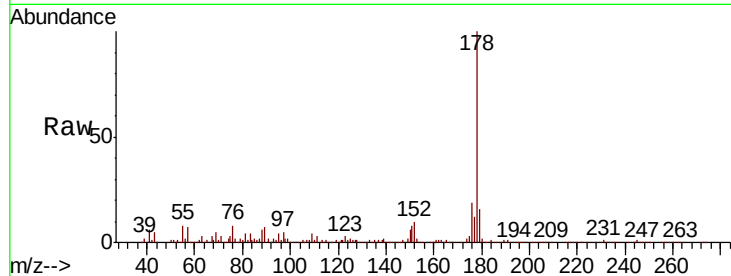
#71
Phenanthrene
Concen: 9.119 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	15.6	13.2	19.8

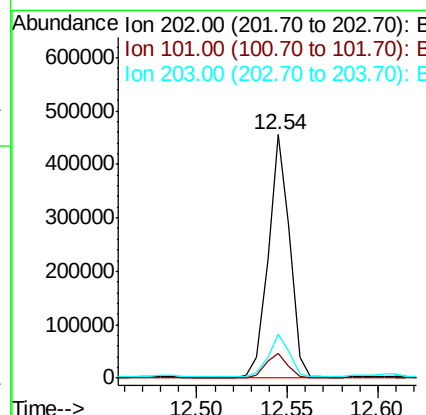
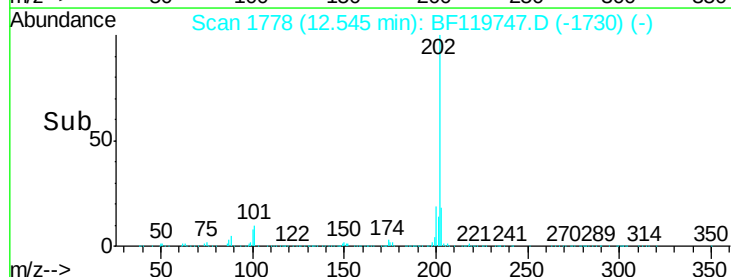
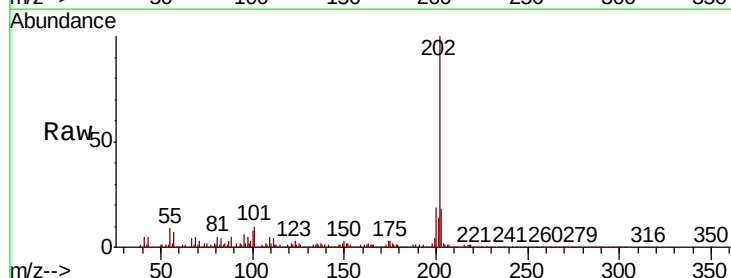
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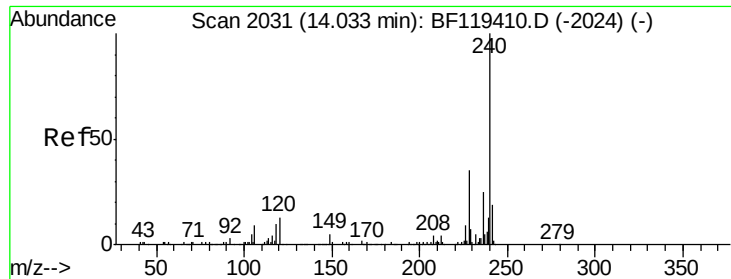
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#75
Fluoranthene
Concen: 11.026 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.2
203	18.3	0.0	38.8





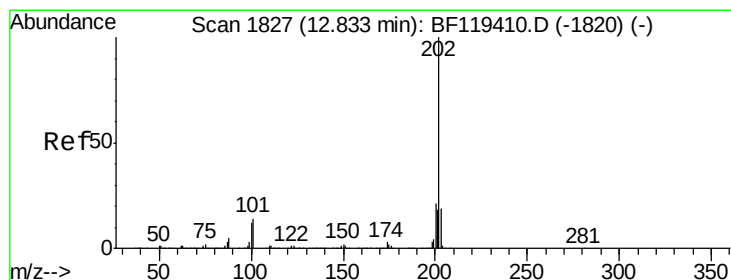
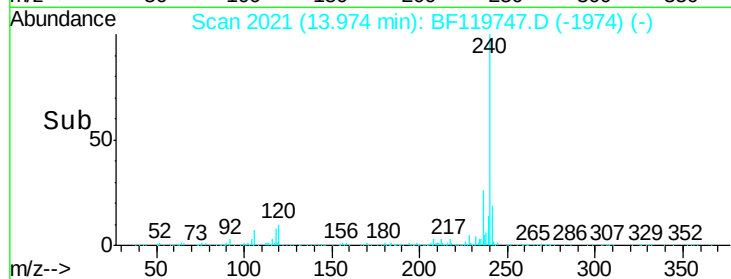
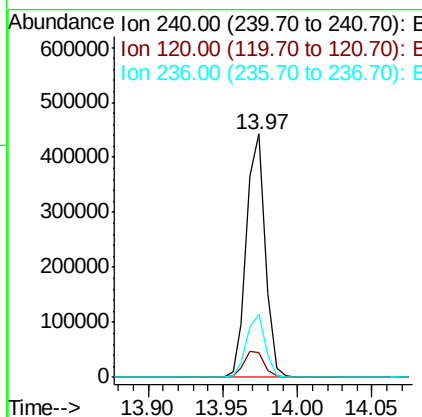
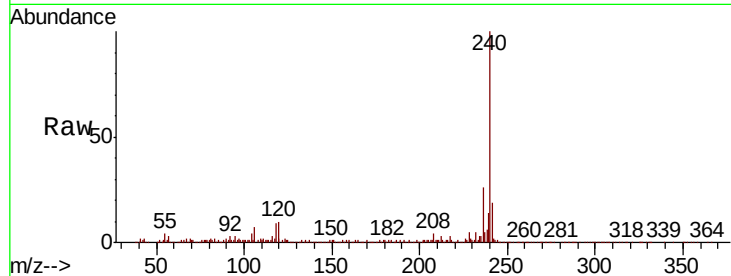
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.6	15.8#
236	26.1	20.2	30.2

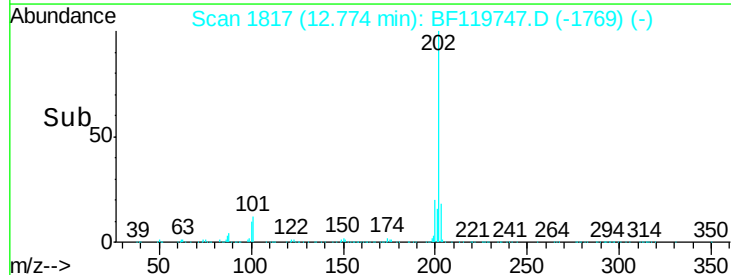
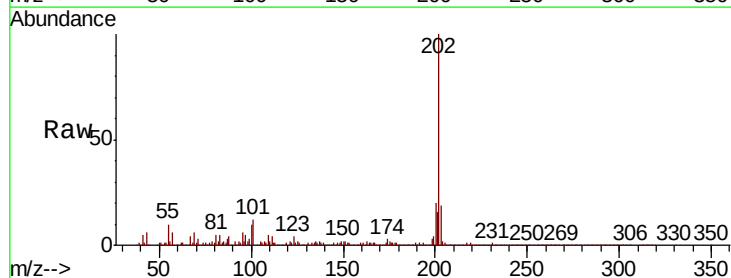
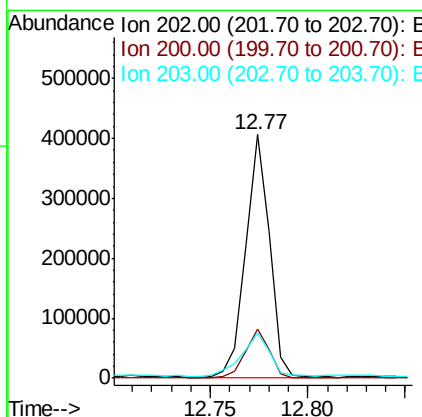
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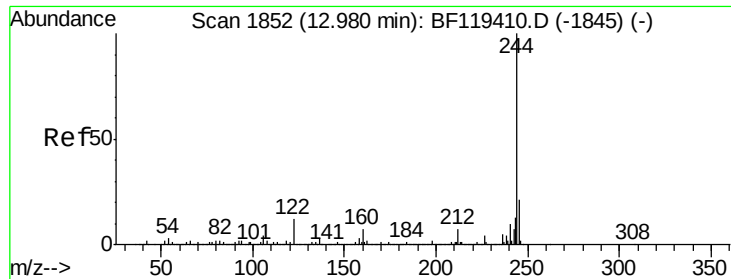
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#78
Pyrene
Concen: 10.888 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.8	25.2
203	18.5	15.1	22.7





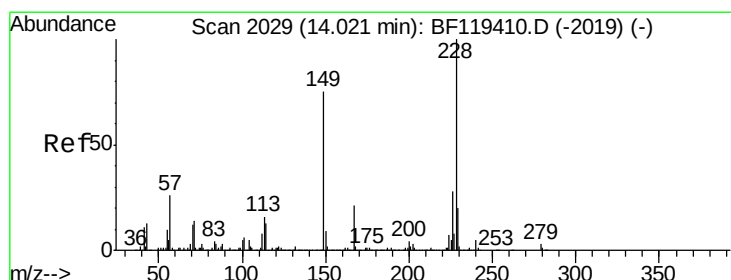
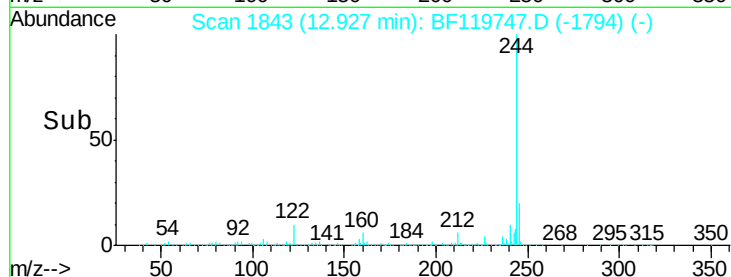
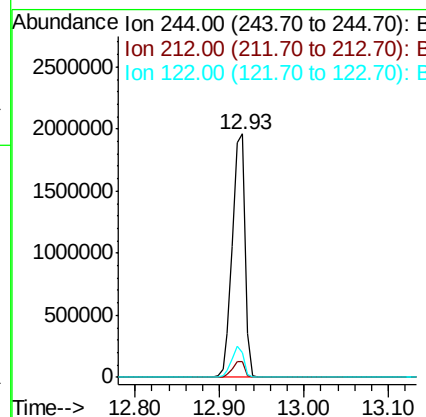
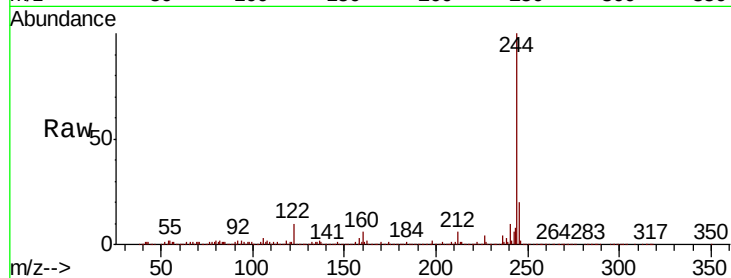
#79
 Terphenyl-d14
 Concen: 102.856 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	10.1	10.3	15.5

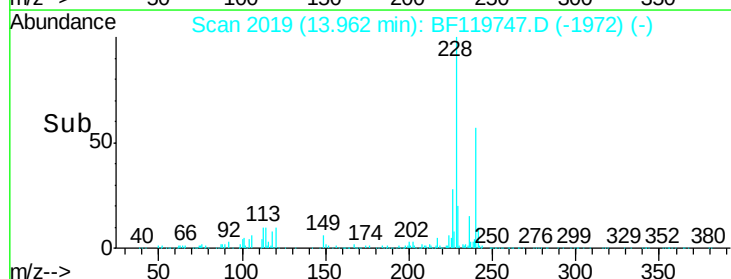
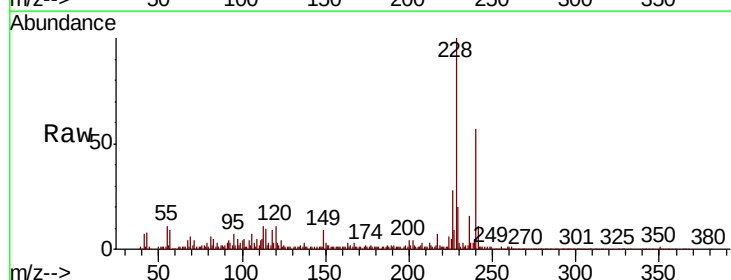
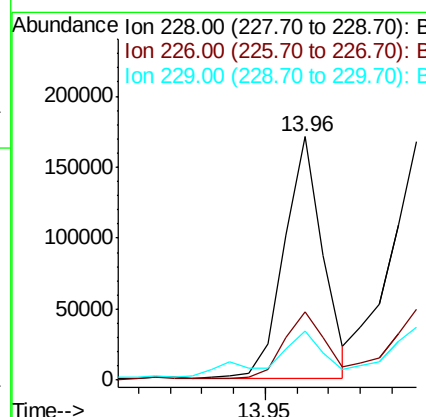
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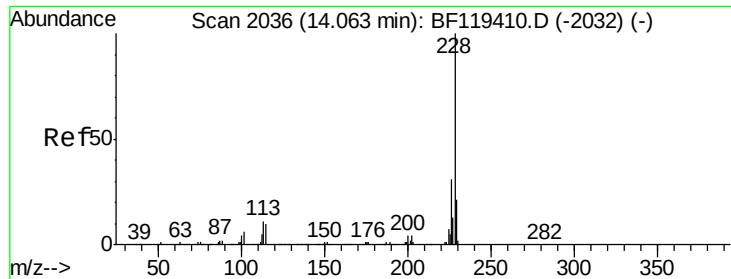
mohammad
 4/6/2020 1:39:13 PM



#81
 Benzo(a)anthracene
 Concen: 5.795 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.3	16.2	24.4





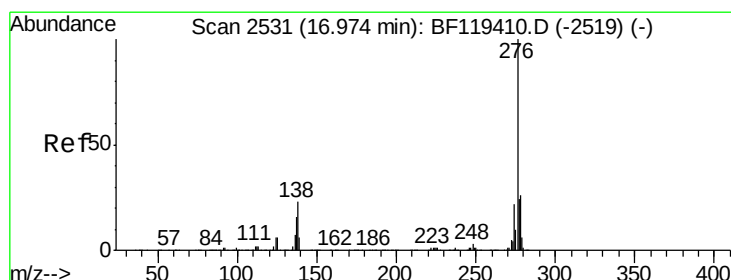
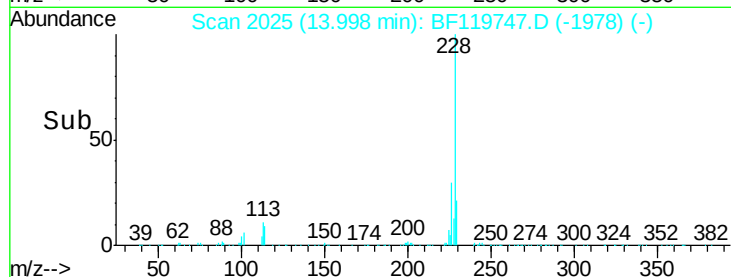
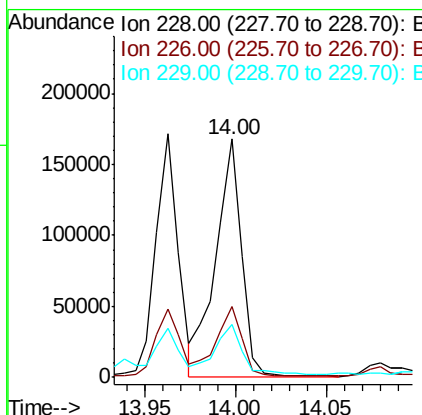
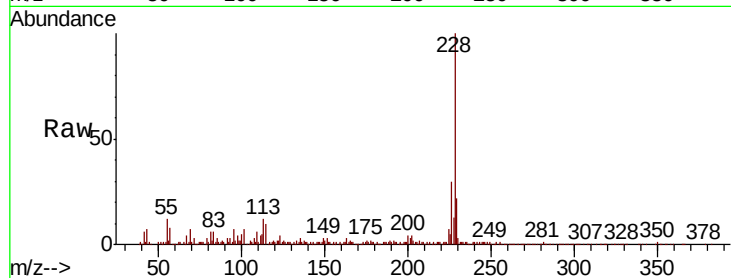
#83
Chrysene
Concen: 6.414 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion:	228	Resp:	165521
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.0
229	22.1	16.6	24.8

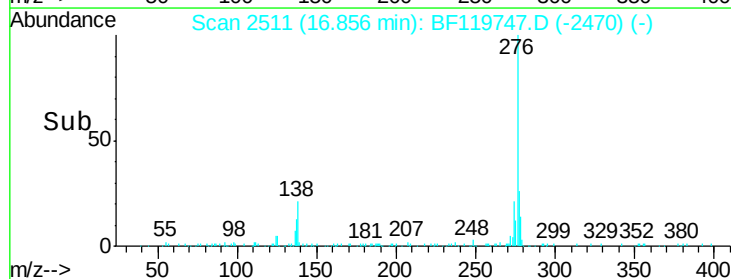
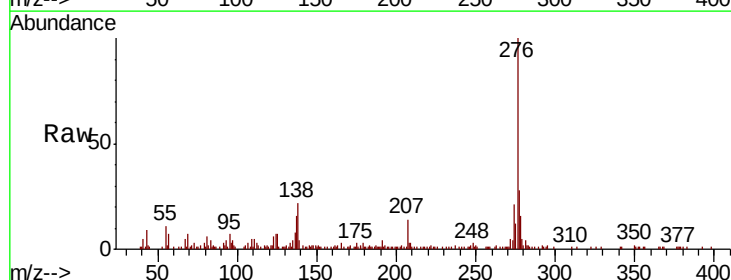
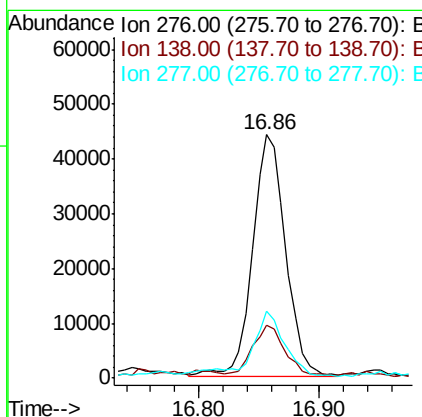
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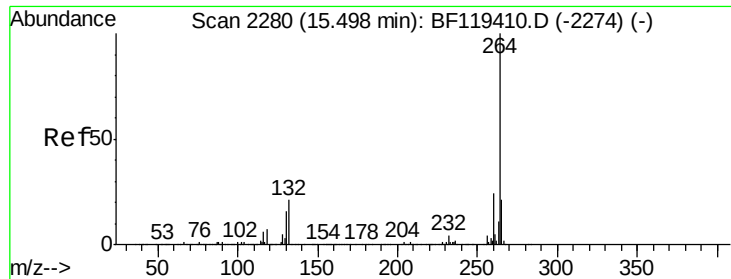
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.410 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.06 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion:	276	Resp:	82887
Ion Ratio	Lower	Upper	
276	100		
138	20.6	19.6	29.4
277	24.1	20.0	30.0





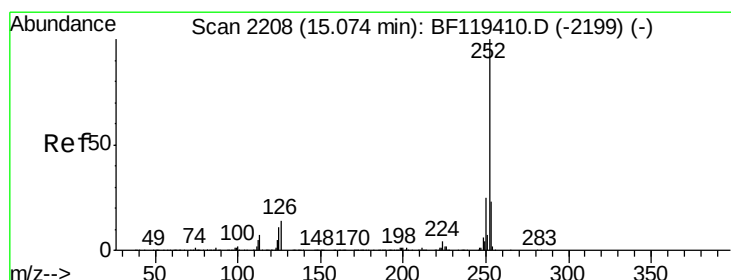
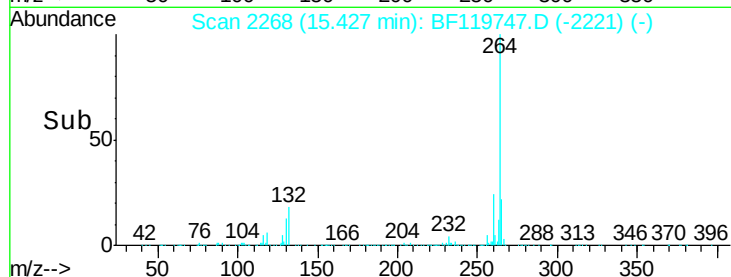
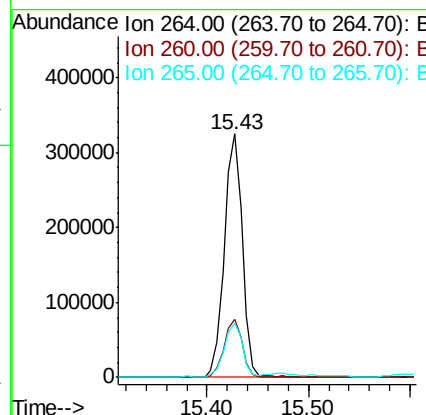
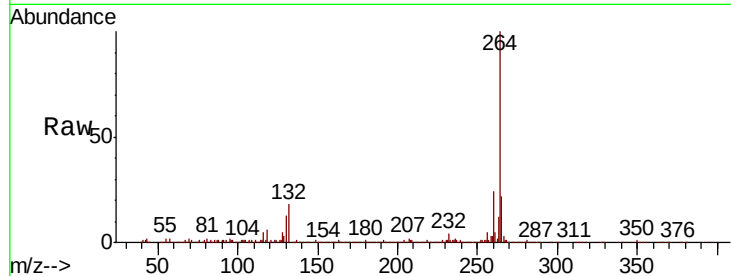
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.1	17.7	26.5

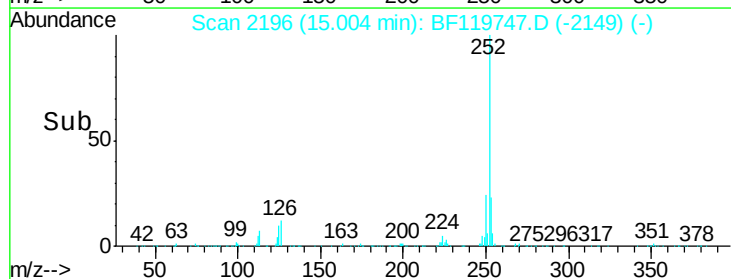
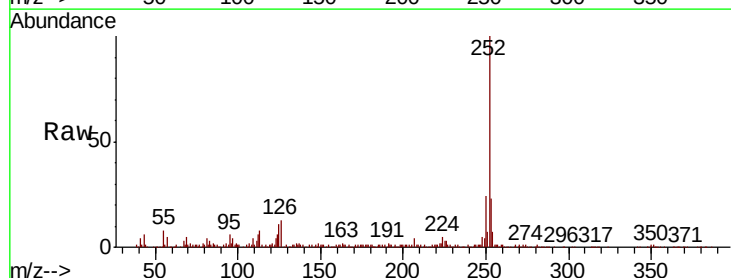
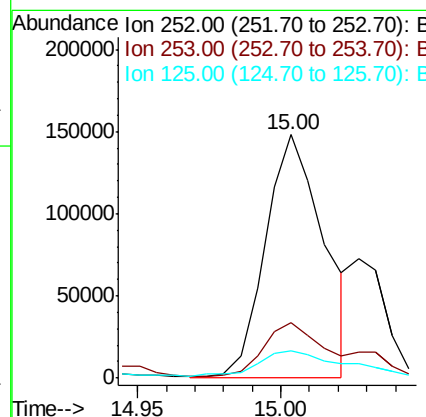
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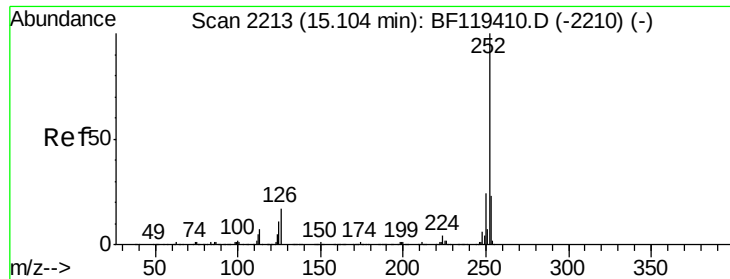
mohammad
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#88
Benzo(b)fluoranthene
Concen: 7.905 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	11.2	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 2.381 ng/mL

RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

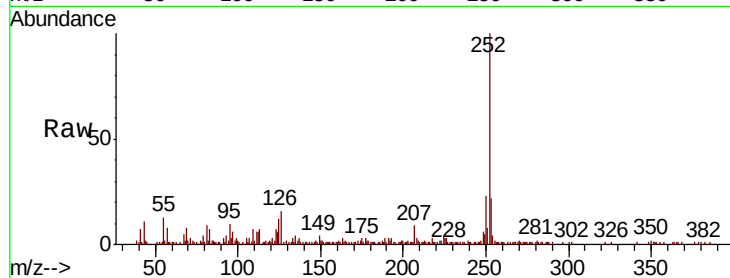
ClientSampled :

TP-4

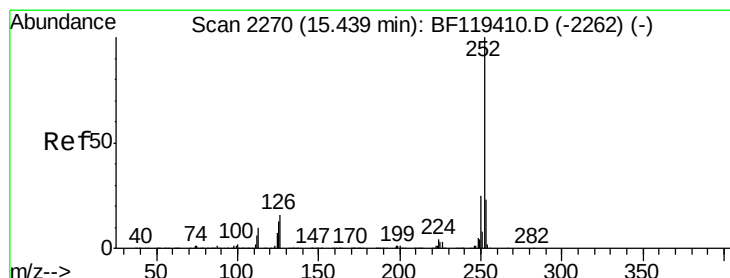
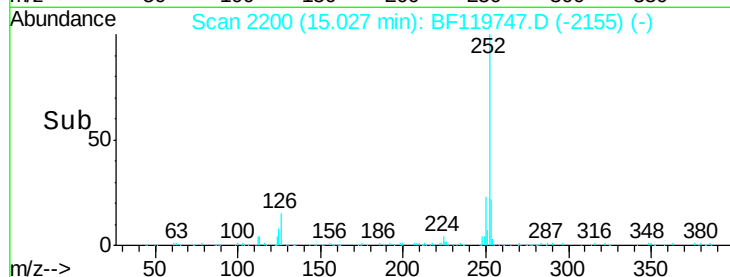
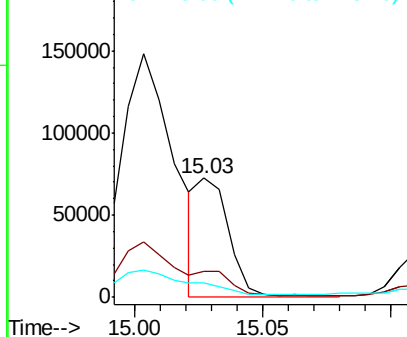
Tot Ion:	252	Resp:	60388
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	11.8	8.4	12.6

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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: 5.900 ng/mL

RT: 15.36 min Scan# 2257

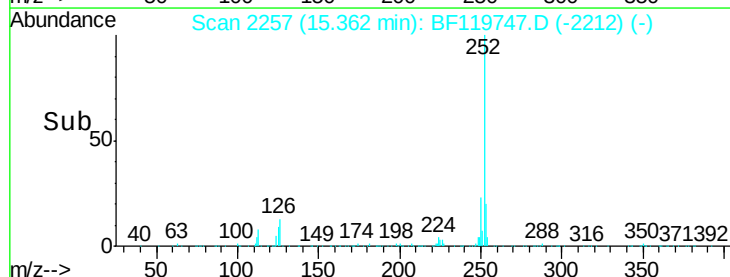
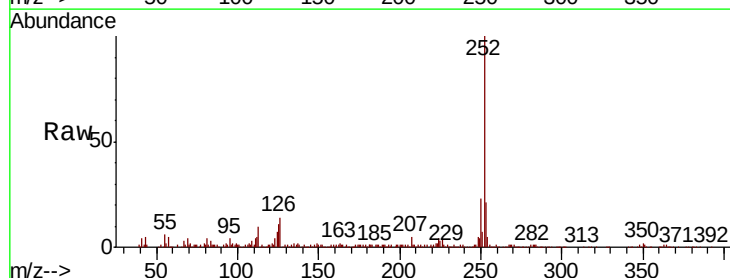
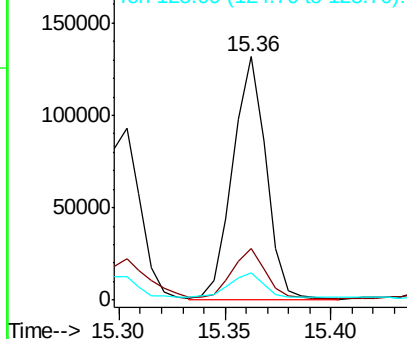
Delta R.T. -0.04 min

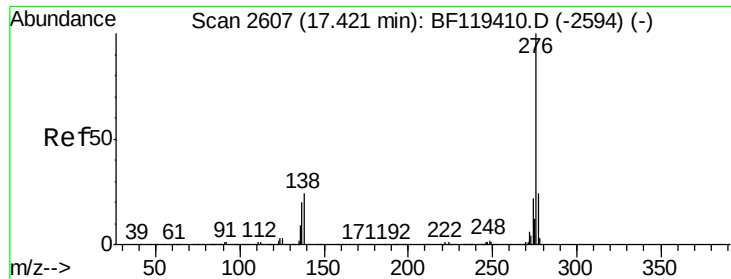
Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Tgt Ion:	252	Resp:	142818
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.2
125	11.0	9.4	14.2

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: 3.916 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. -0.06 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion:	276	Resp:	83295
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.4	27.6
138	22.3	15.4	23.0

Manual Integrations
 APPROVED

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