

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\
 Data File : BF119698.D
 Acq On : 2 Apr 2020 5:46
 Operator : MA/SJ
 Sample : L2055-03
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(1-3)

Manual Integrations
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Quant Time: Apr 02 06:27:29 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	6.81	152	247763	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	914515	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	443094	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	775613	20.00	ng	-0.01
76) Chrysene-d12	13.98	240	463929	20.00	ng	-0.02
87) Perylene-d12	15.44	264	470240	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1468032	94.32	ng	0.00
7) Phenol-d6	6.44	99	1858491	93.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	1161129	69.00	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	450593	98.57	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1947162	65.10	ng	0.00
79) Terphenyl-d14	12.93	244	1680864	70.98	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.71	152	111090	2.503	ng	98
50) Dimethylphthalate	9.56	163	293869	9.337	ng	100
71) Phenanthrene	11.36	178	181075	4.502	ng	97
75) Fluoranthene	12.55	202	471656	10.836	ng	98
78) Pyrene	12.78	202	484529	12.726	ng	98
81) Benzo(a)anthracene	13.97	228	253082m	8.389	ng	
83) Chrysene	14.00	228	224010	7.195	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	165361	5.639	ng	96
88) Benzo(b)fluoranthene	15.02	252	365542m	11.637	ng	
89) Benzo(k)fluoranthene	15.04	252	95952m	3.208	ng	
90) Benzo(a)pyrene	15.37	252	246675	8.641	ng	98
92) Benzo(a,h,i)perylene	17.32	276	160480	6.398	ng	# 91

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

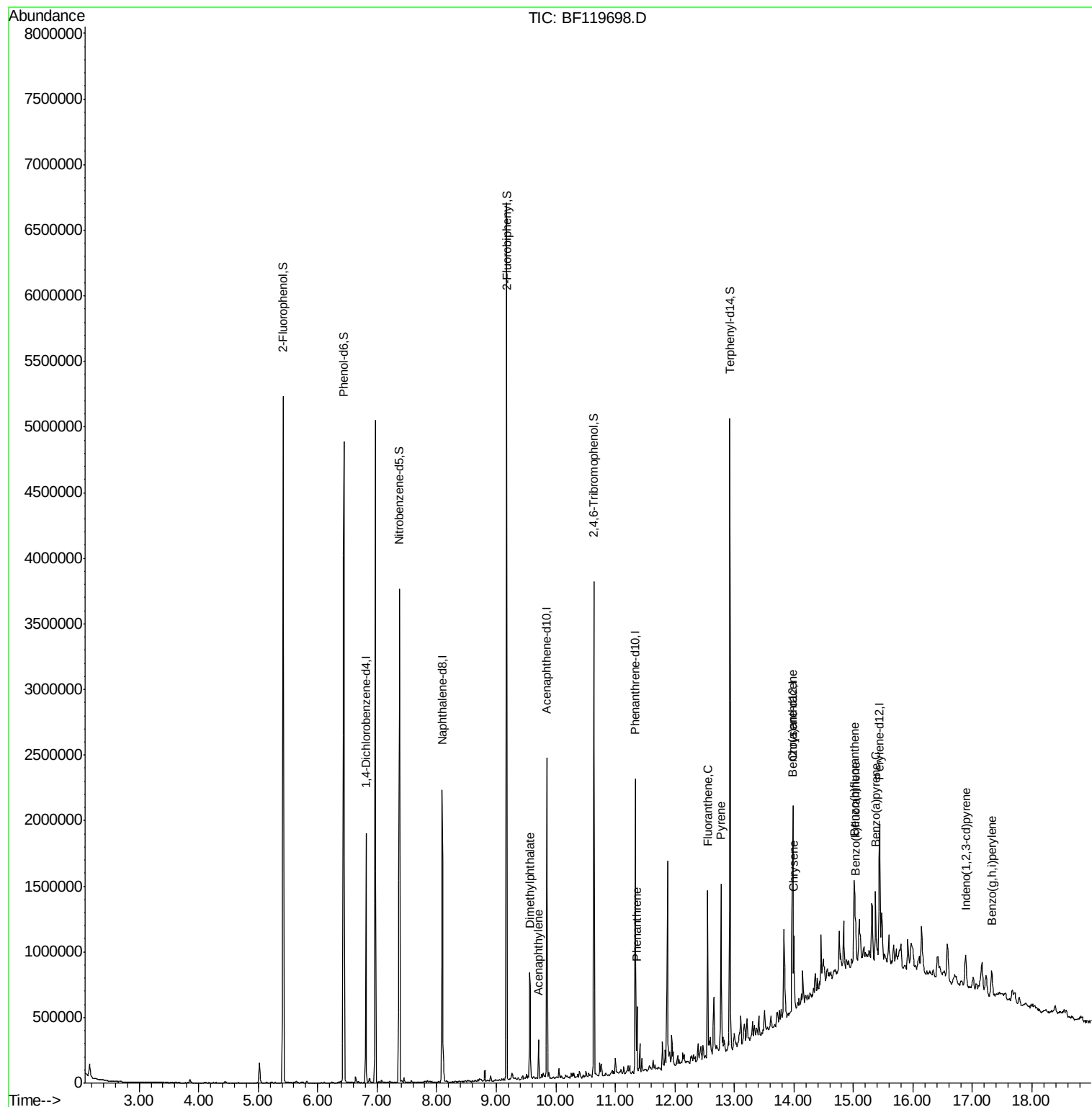
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\
Data File : BF119698.D
Acq On : 2 Apr 2020 5:46
Operator : MA/SJ
Sample : L2055-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

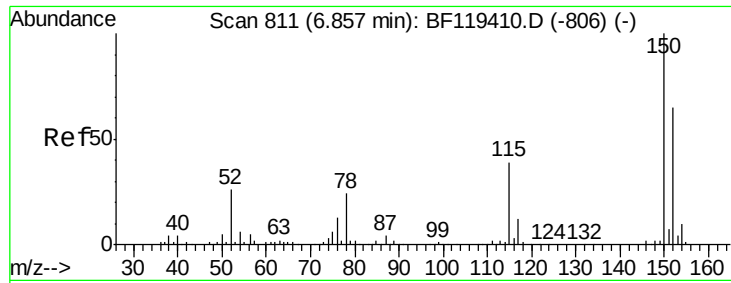
Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

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Quant Time: Apr 02 06:27:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

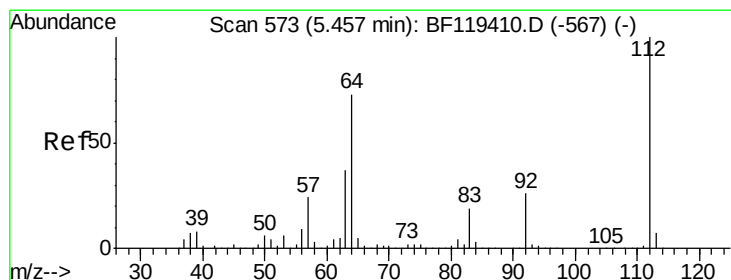
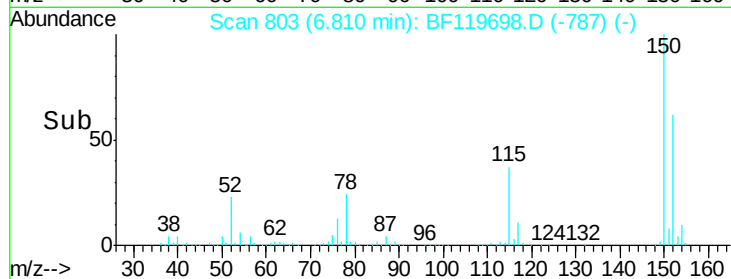
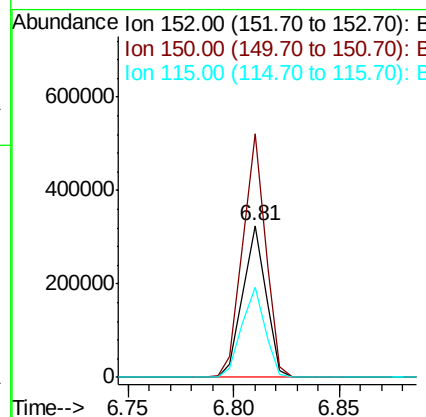
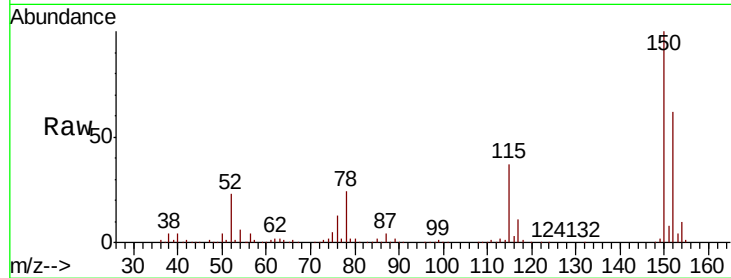
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.5	186.7
115	59.7	49.6	74.4

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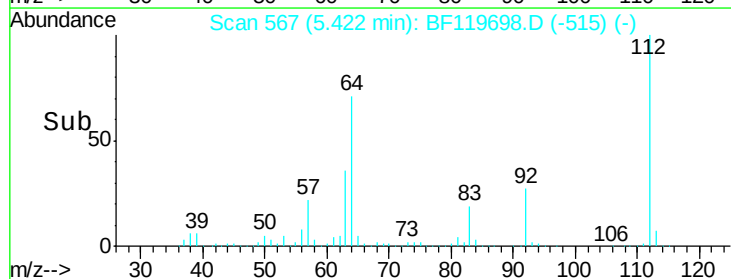
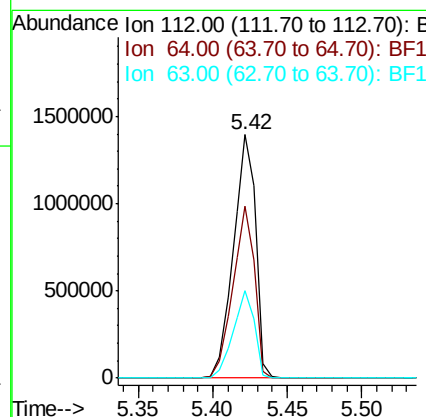
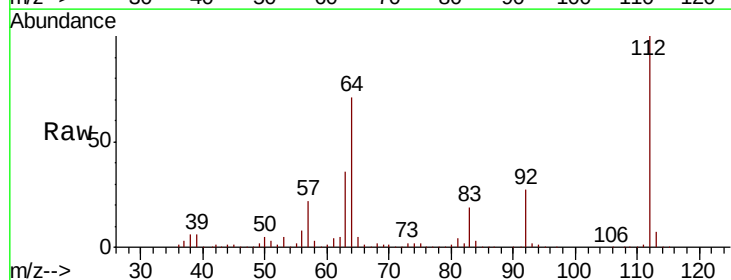
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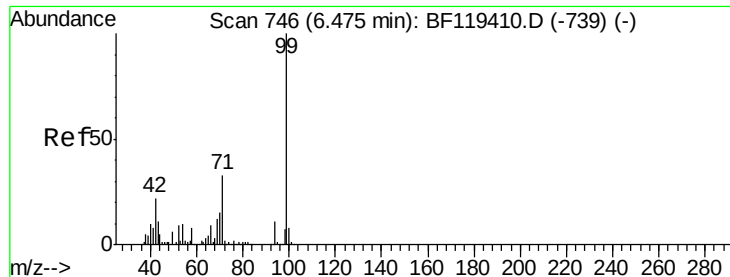


#5

2-Fluorophenol
Concen: 94.323 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.7	85.1
63	35.8	29.5	44.3





#7

Phenol-d6

Concen: 93.477 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

Tot Ion: 99 Resp: 1858491

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

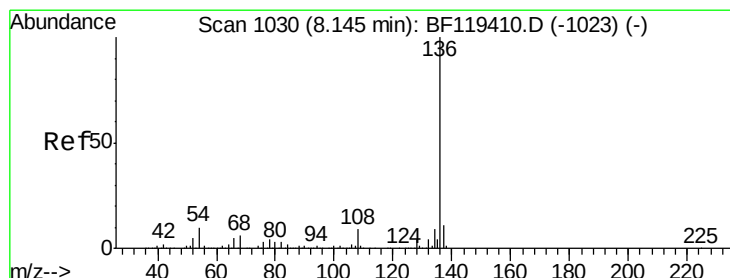
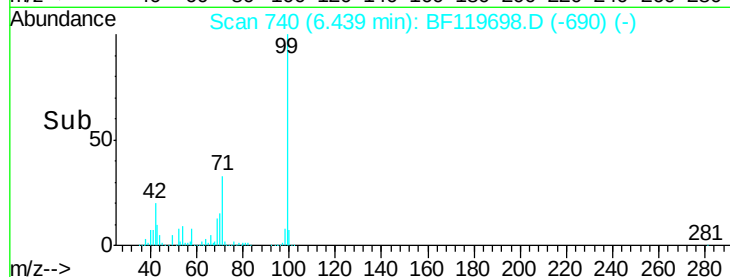
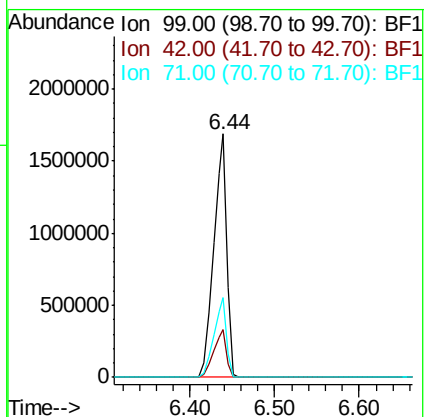
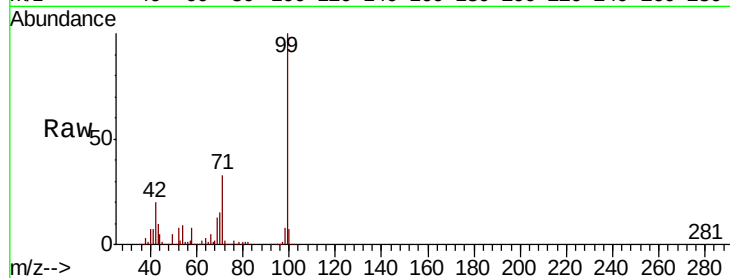
71 33.0 26.4 39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Tgt Ion: 136 Resp: 914515

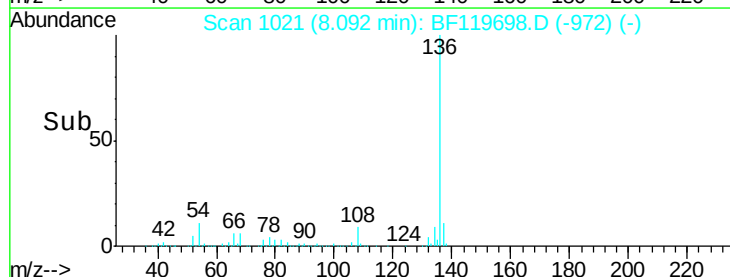
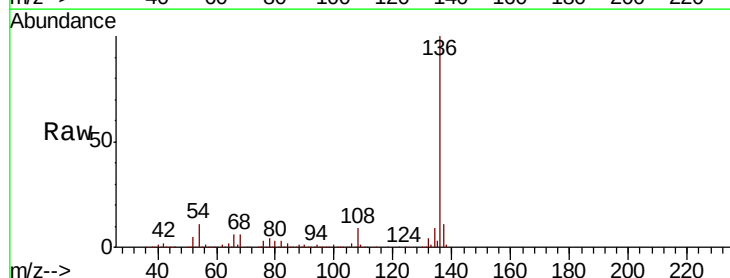
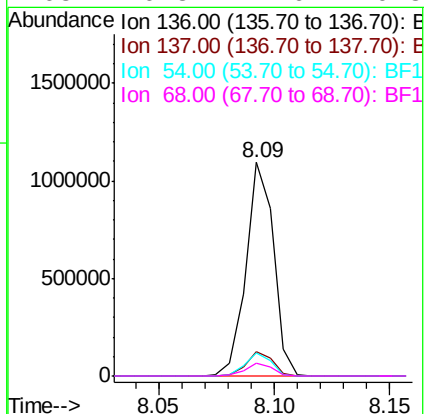
Ion Ratio Lower Upper

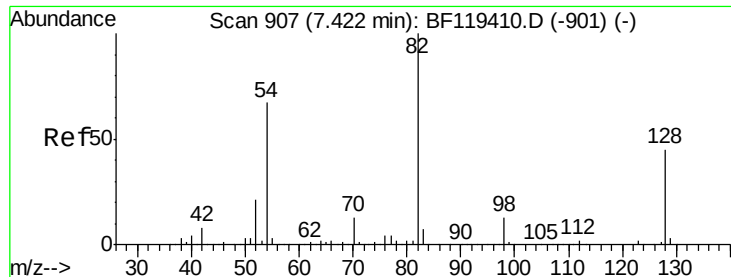
136 100

137 11.4 8.7 13.1

54 11.0 9.1 13.7

68 6.3 4.6 6.8





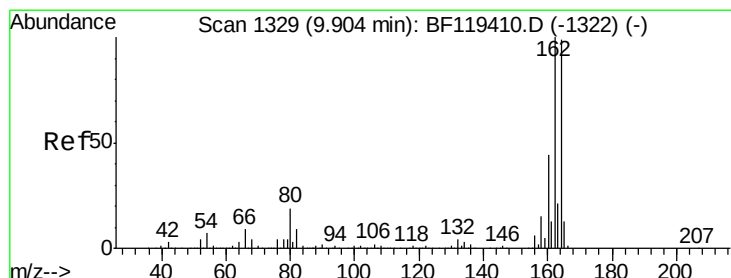
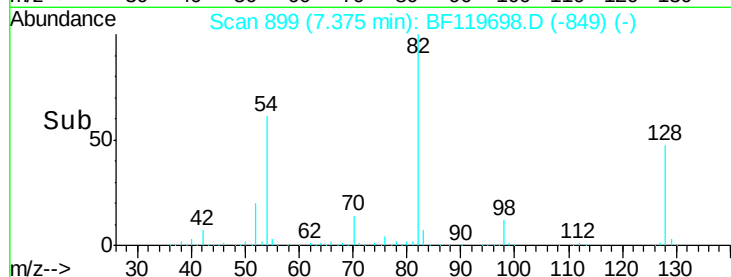
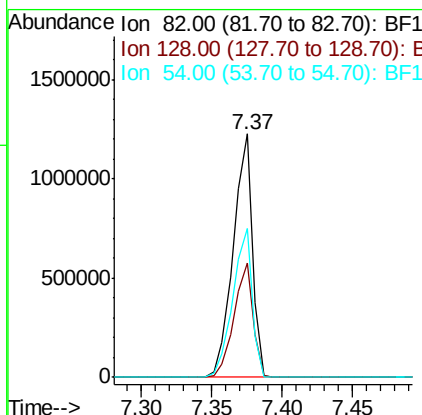
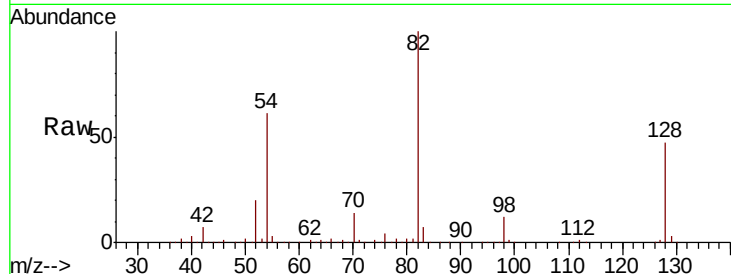
#23
Nitrobenzene-d5
Concen: 69.004 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion: 82 Resp: 1161129
Ion Ratio Lower Upper
82 100
128 46.8 36.3 54.5
54 61.2 50.6 75.8

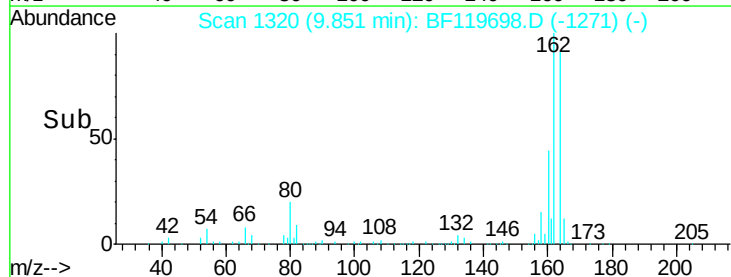
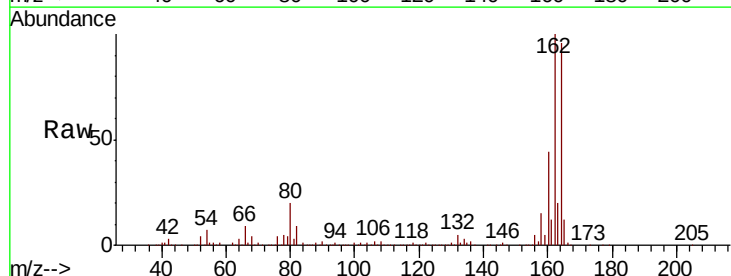
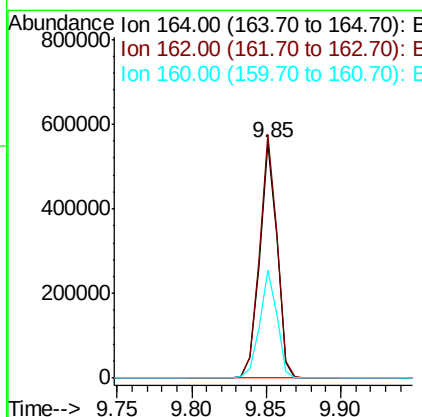
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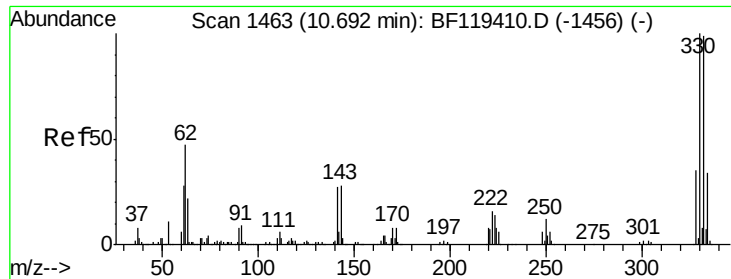
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion: 164 Resp: 443094
Ion Ratio Lower Upper
164 100
162 103.7 80.6 121.0
160 45.8 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 98.571 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

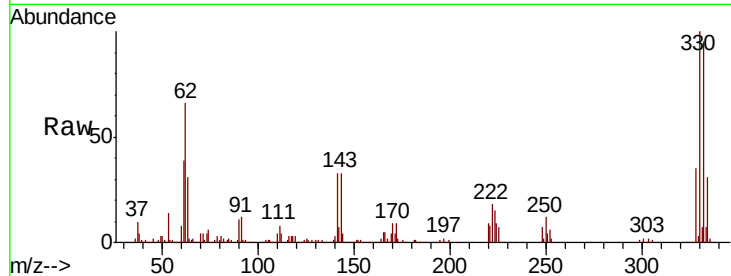
ClientSampleId :

SB-6-(1-3)

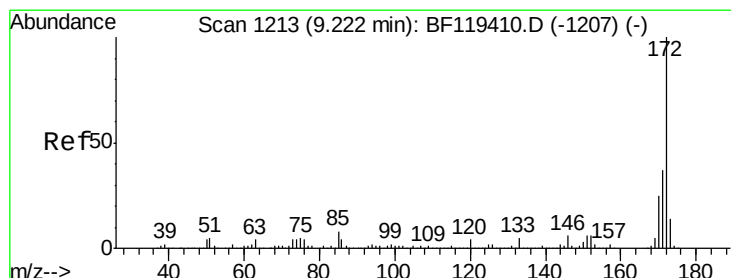
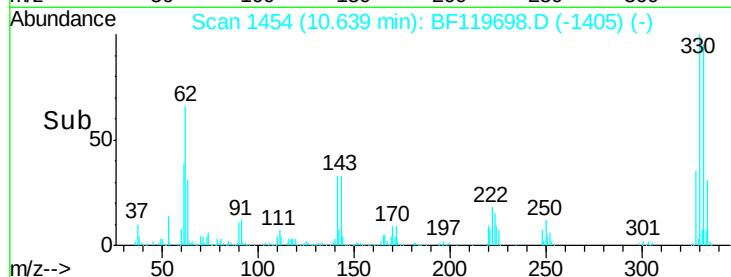
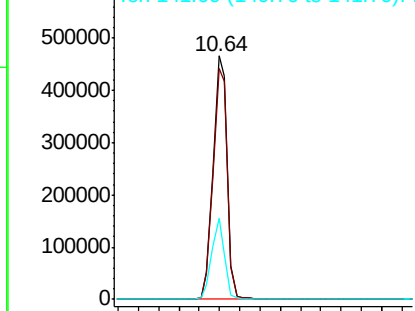
Tot Ion:	330	Resp:	450593
Ion Ratio	Lower	Upper	
330	100		
332	96.1	75.7	113.5
141	30.4	25.4	38.0

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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: 65.103 ng

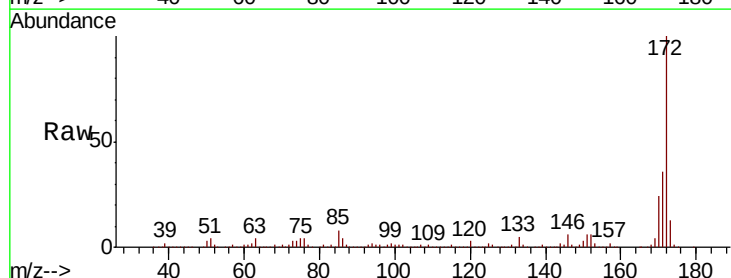
RT: 9.17 min Scan# 1205

Delta R.T. -0.01 min

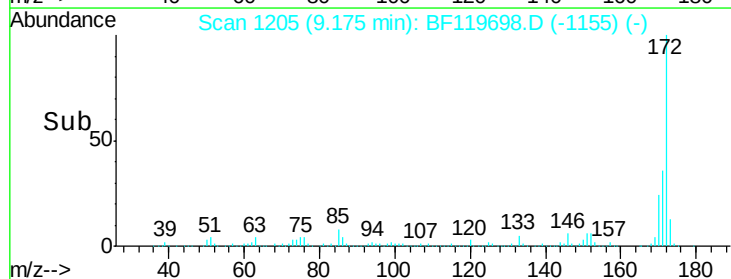
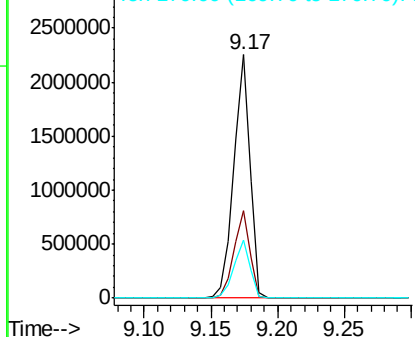
Lab File: BF119698.D

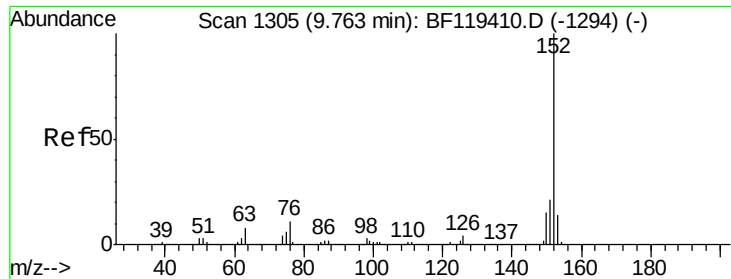
Acq: 2 Apr 2020 5:46

Tgt Ion:	172	Resp:	1947162
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.0	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





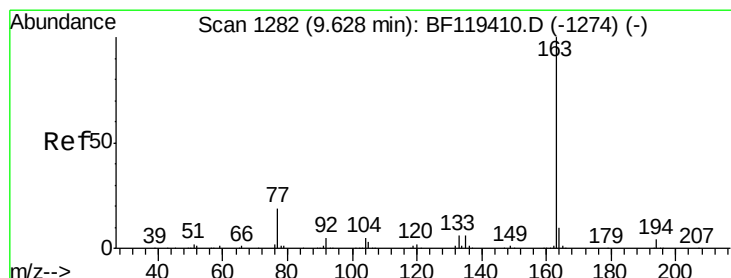
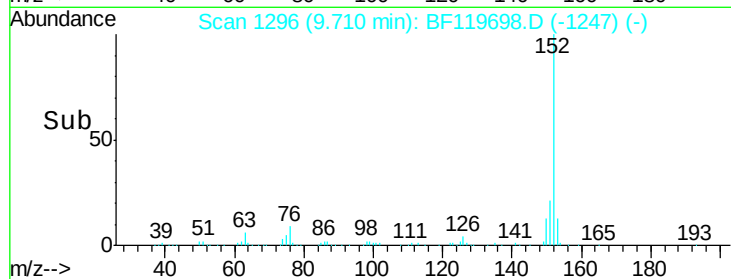
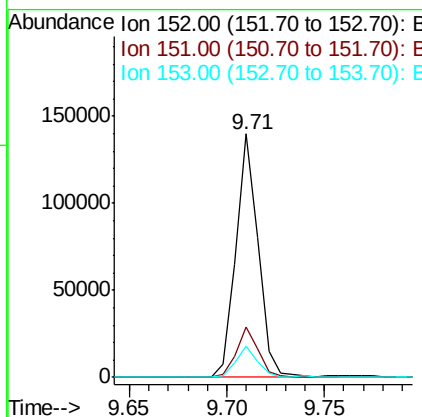
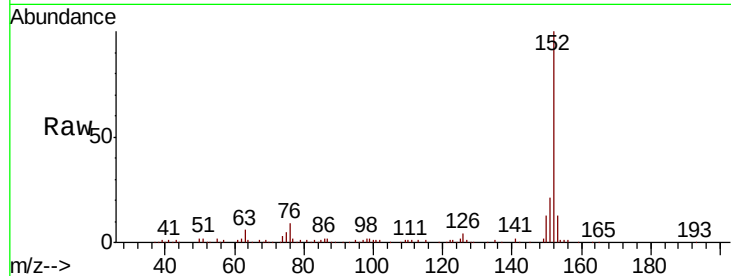
#49
Acenaphthylene
Concen: 2.503 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	111090		
151	20.7		17.2	25.8
153	12.8		11.2	16.8

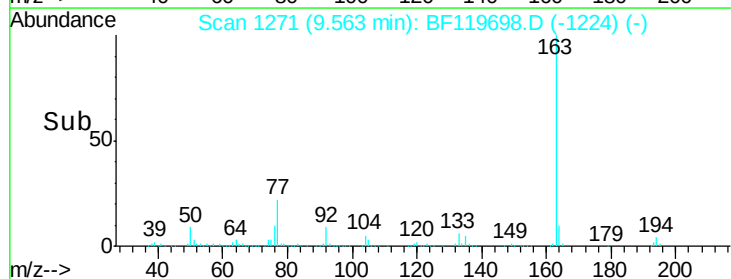
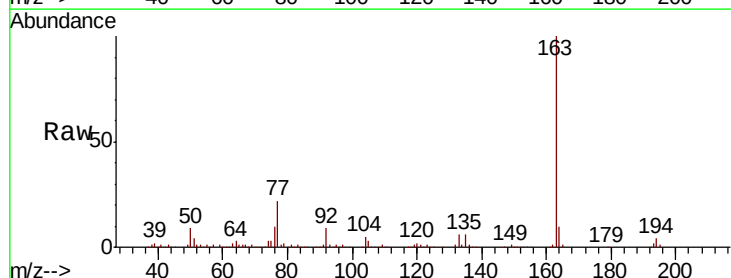
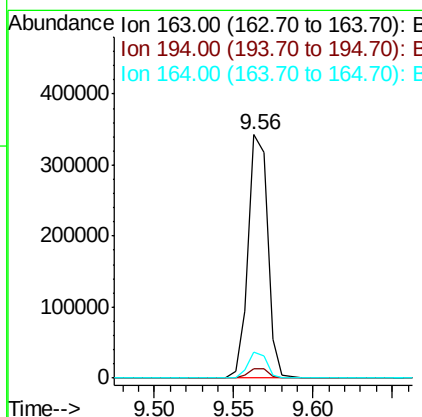
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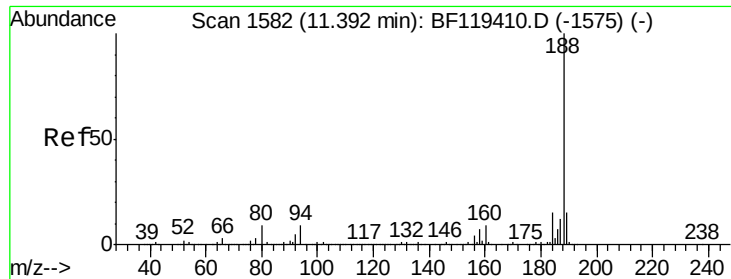
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#50
Dimethylphthalate
Concen: 9.337 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	293869		
194	3.9		3.1	4.7
164	10.4		8.2	12.2





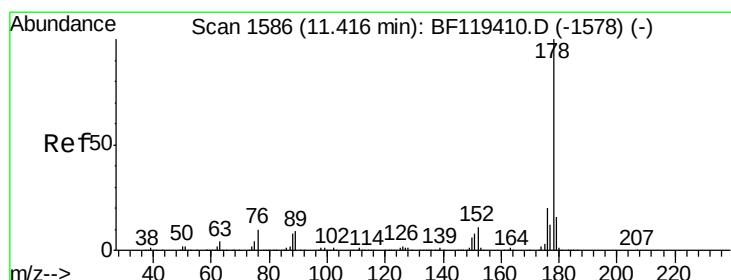
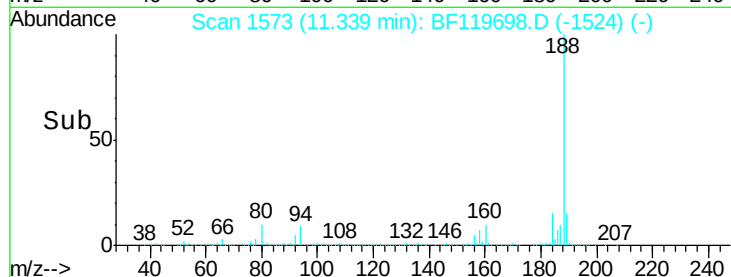
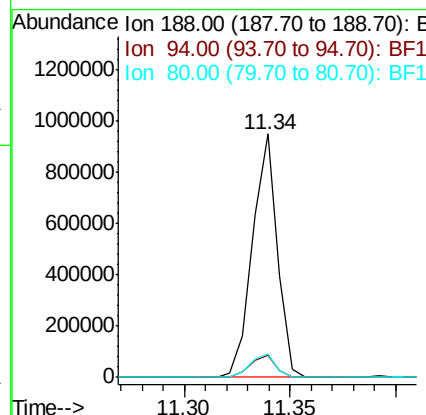
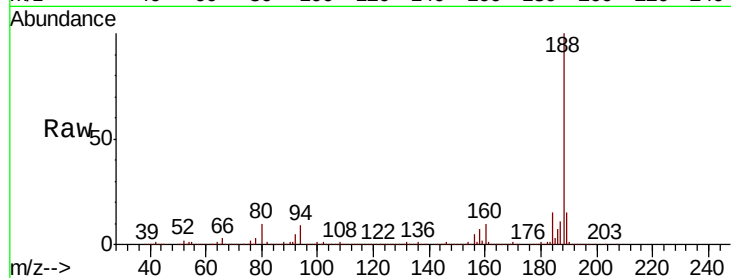
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	7.5	11.3
80	9.6	9.0	13.4

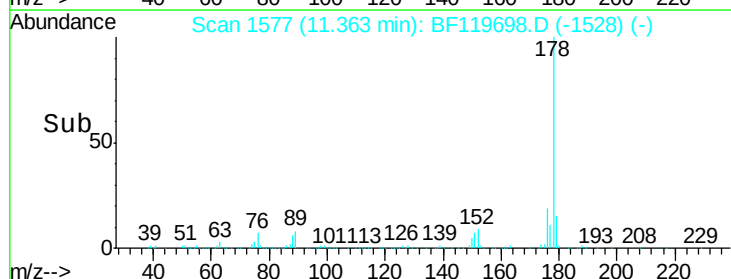
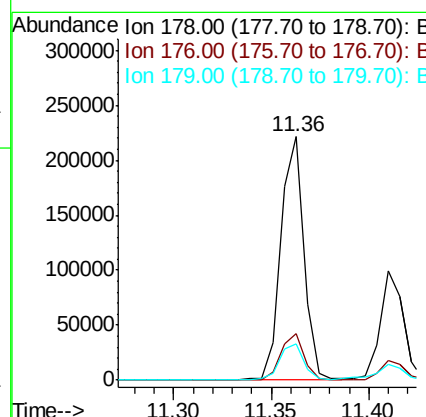
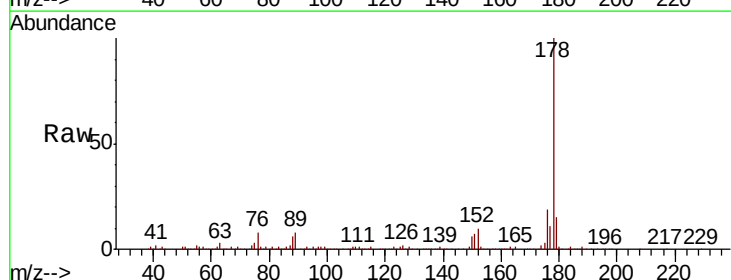
Manual Integrations
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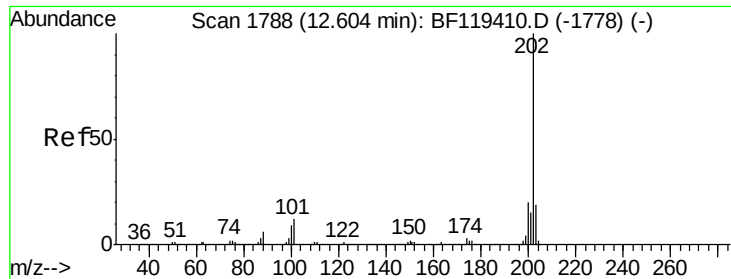
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#71
Phenanthrene
Concen: 4.502 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	14.8	13.2	19.8





#75

Fluoranthene

Concen: 10.836 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

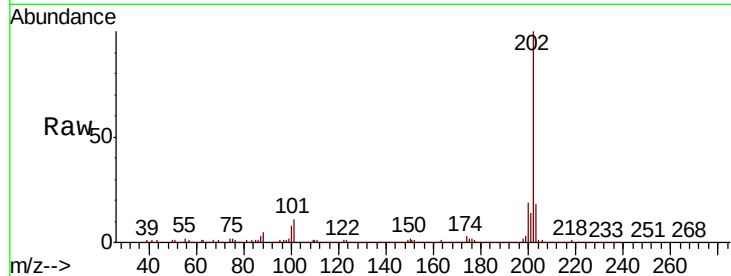
ClientSampleId :

SB-6-(1-3)

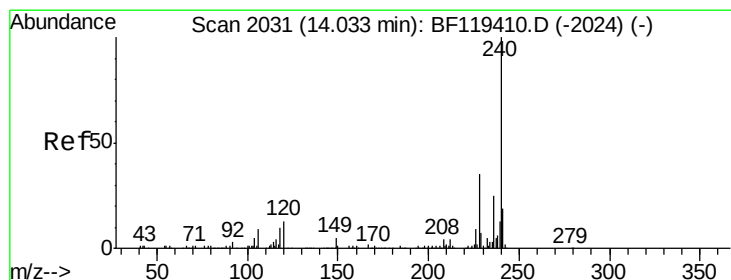
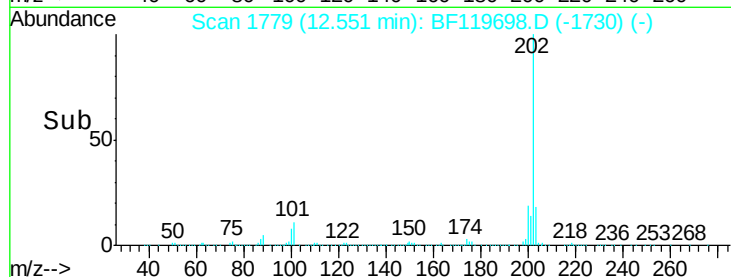
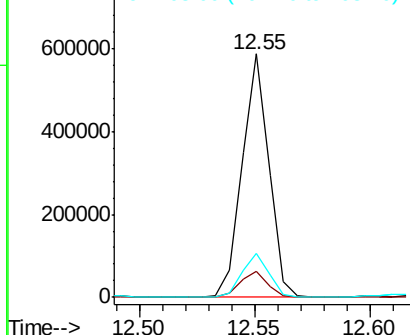
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		471656		
101	10.8	0.0	32.2		
203	18.1	0.0	38.8		

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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

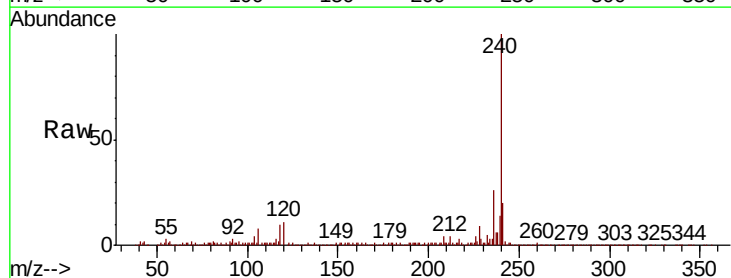
RT: 13.98 min Scan# 2022

Delta R.T. -0.02 min

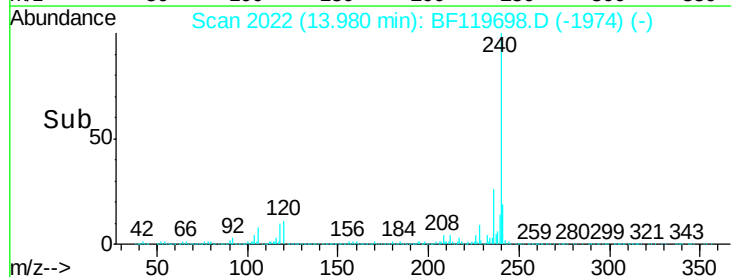
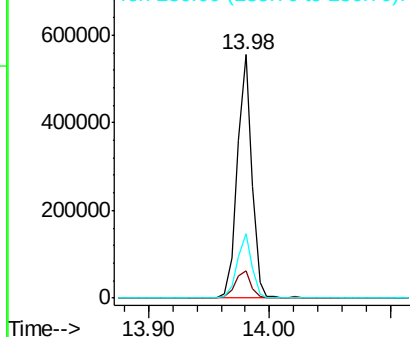
Lab File: BF119698.D

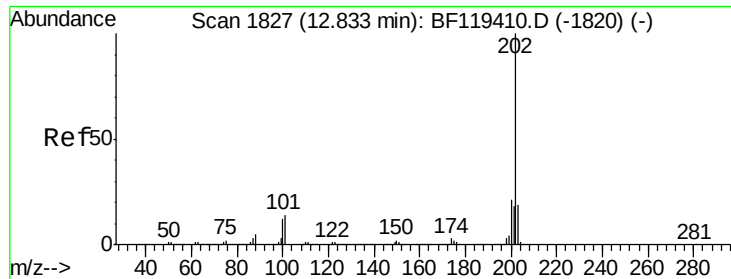
Acq: 2 Apr 2020 5:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		463929		
120	11.4	10.6	15.8		
236	26.2	20.2	30.2		



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





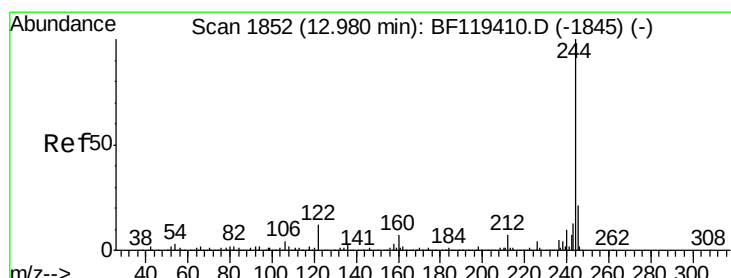
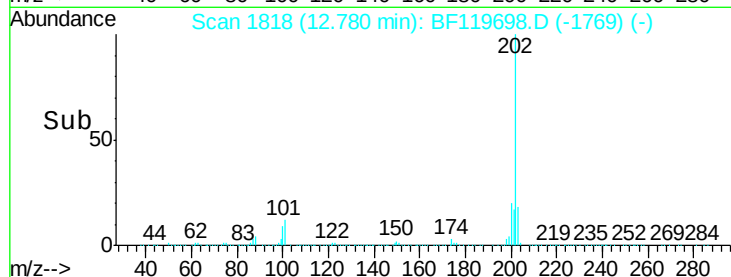
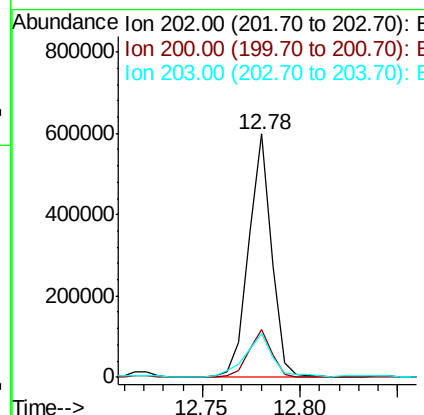
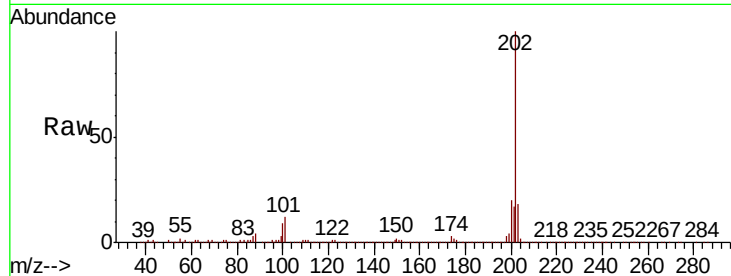
#78
Pvrene
Concen: 12.726 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	484529		
200	19.8		16.8	25.2
203	18.1		15.1	22.7

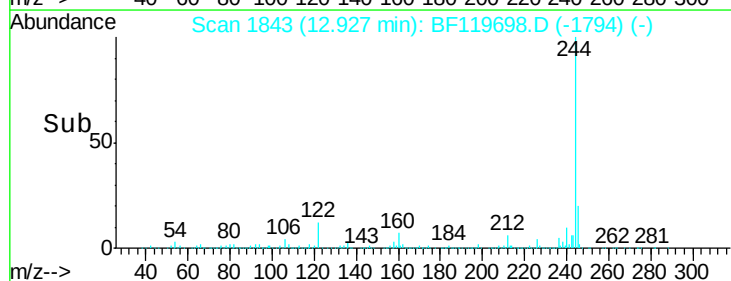
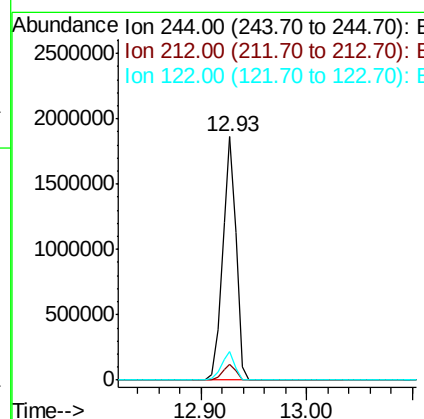
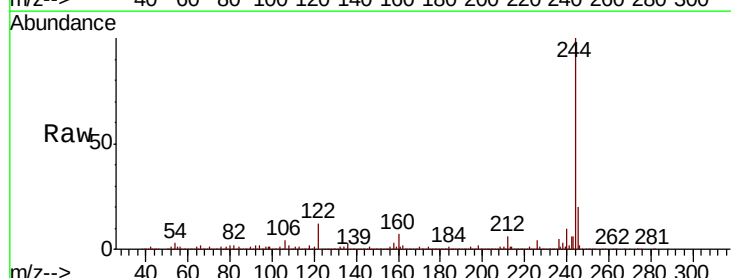
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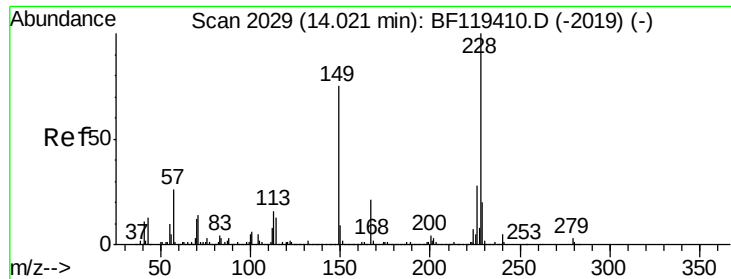
mohammad
4/3/2020 11:15:00 PM



#79
Terphenyl-d14
Concen: 70.984 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1680864		
212	6.4		5.8	8.8
122	12.0		10.3	15.5





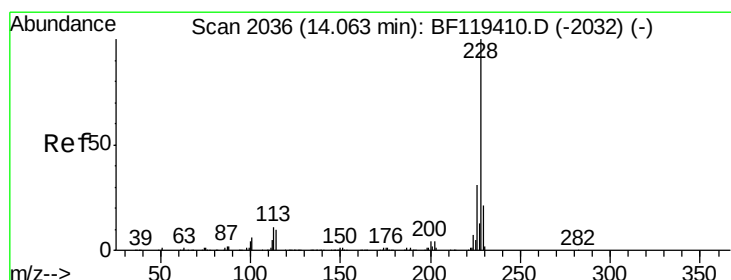
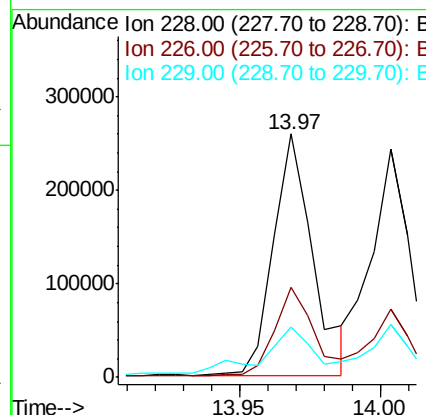
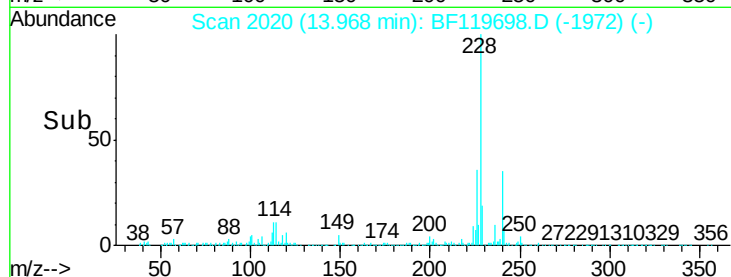
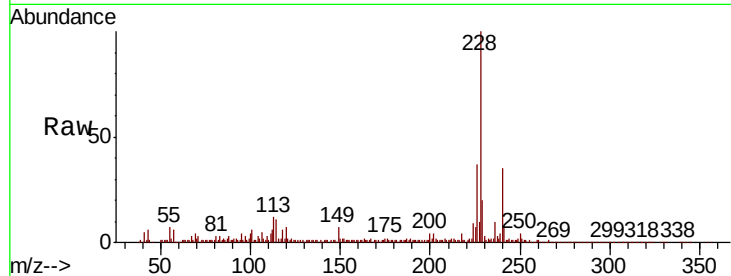
#81
Benzo(a)anthracene
Concen: 8.389 ng m
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.8	21.8	32.8
229	20.4	16.2	24.4

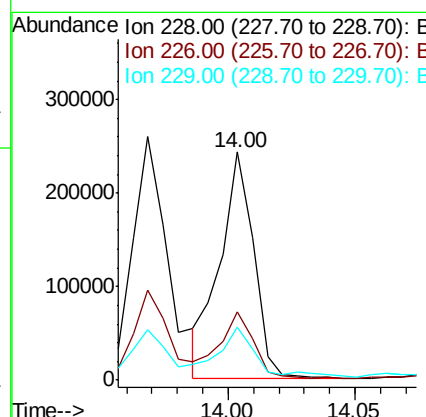
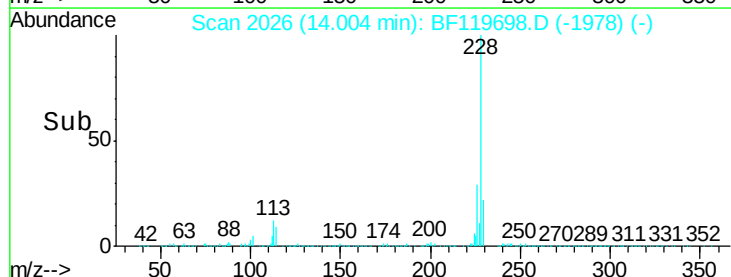
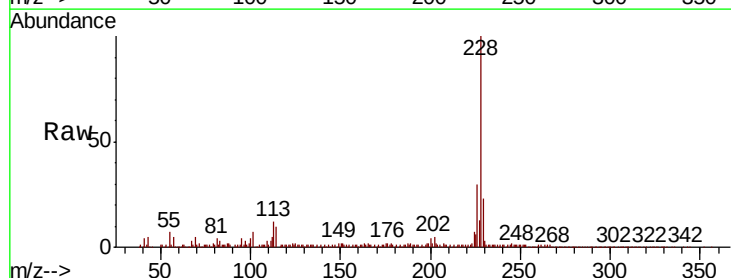
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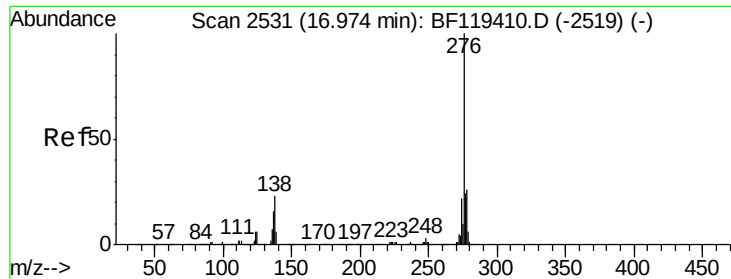
mohammad
4/3/2020 11:15:00 PM



#83
Chrysene
Concen: 7.195 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	23.4	16.6	24.8





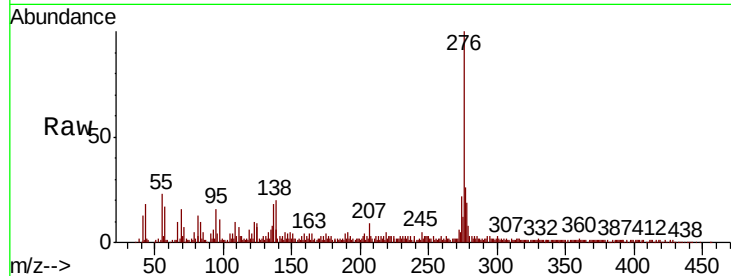
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.639 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.03 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.6	29.4
277	25.0	20.0	30.0

Manual Integrations
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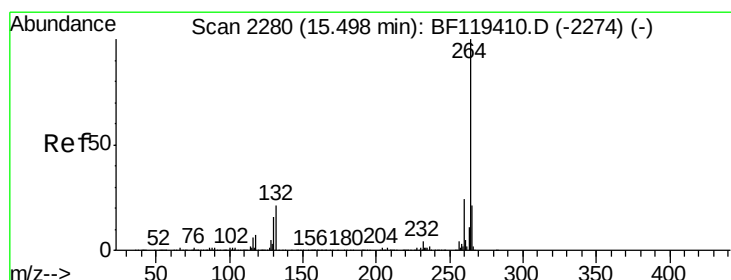
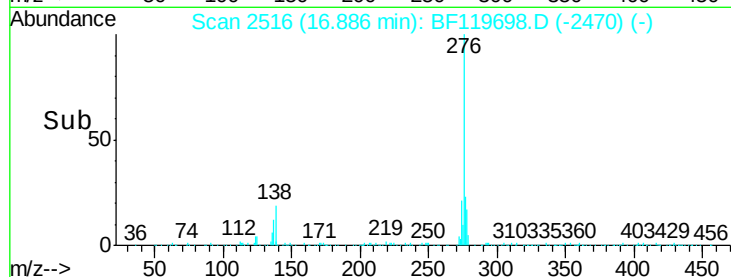
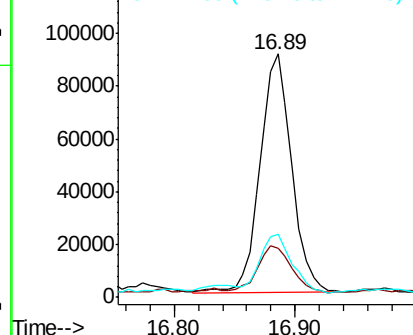


Abundance

Ion 276.00 (275.70 to 276.70): E

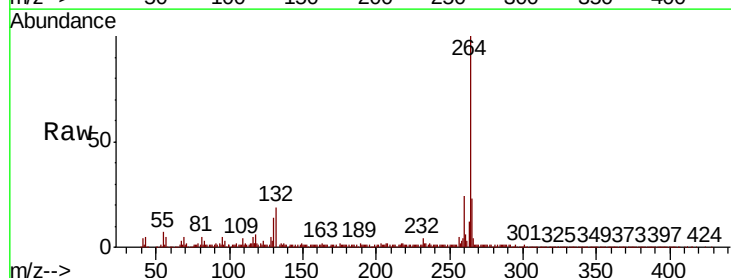
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.7	17.7	26.5

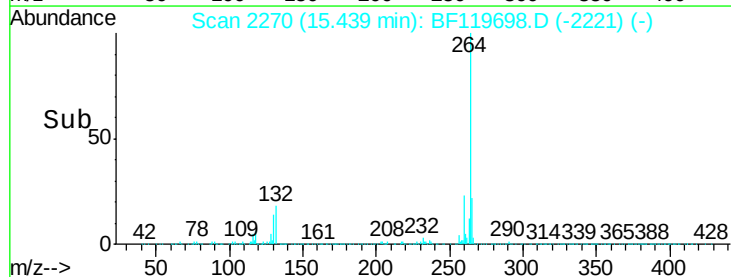
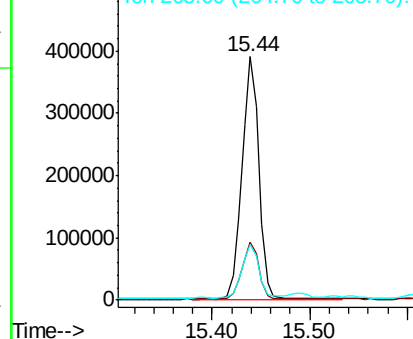


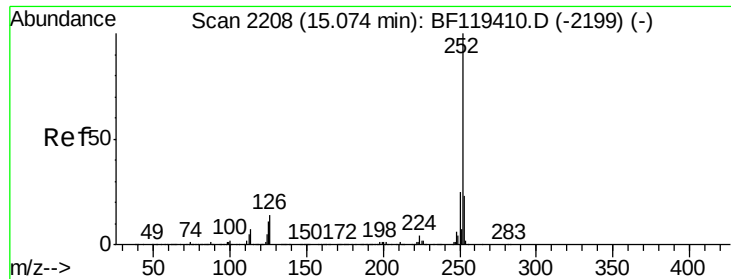
Abundance

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





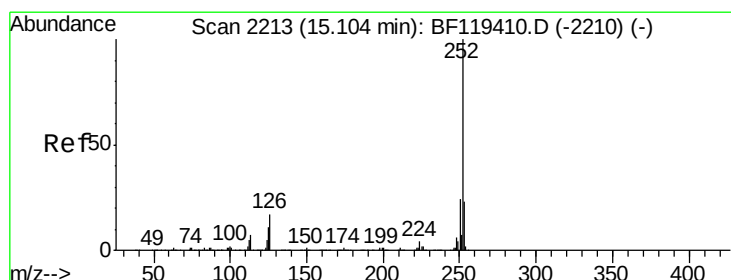
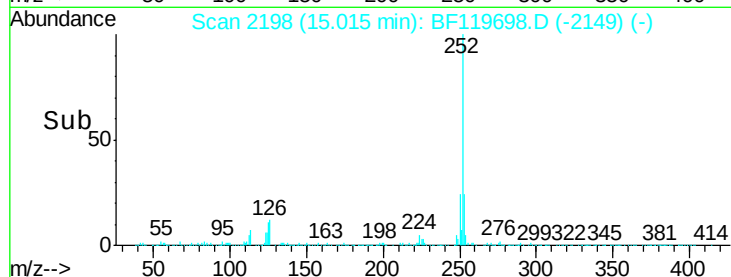
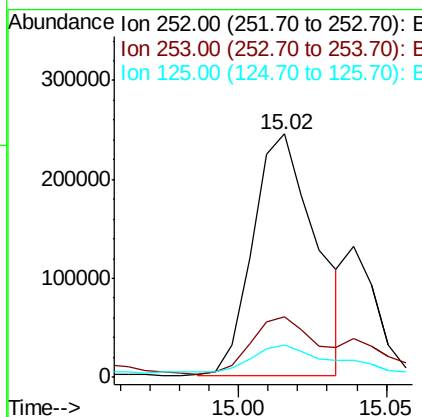
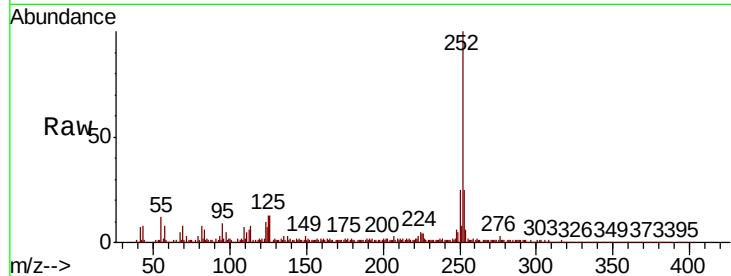
#88
Benzo(b)fluoranthene
Concen: 11.637 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.0
125	13.1	7.9	11.9

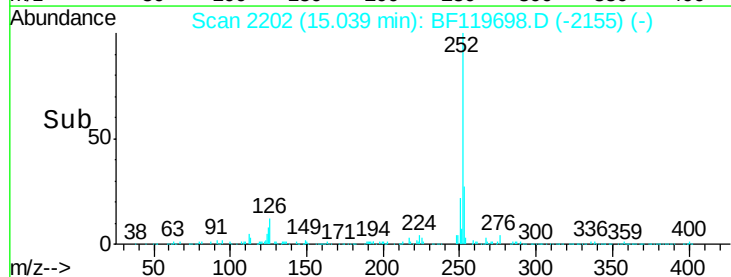
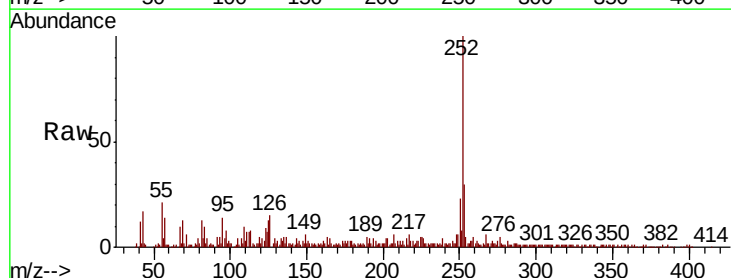
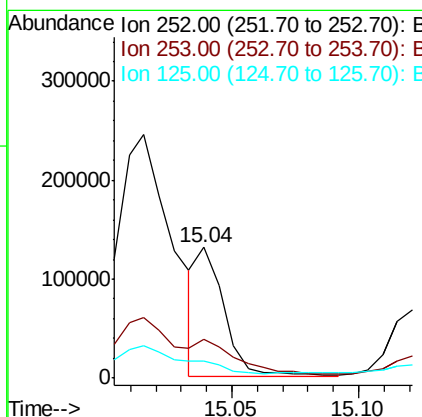
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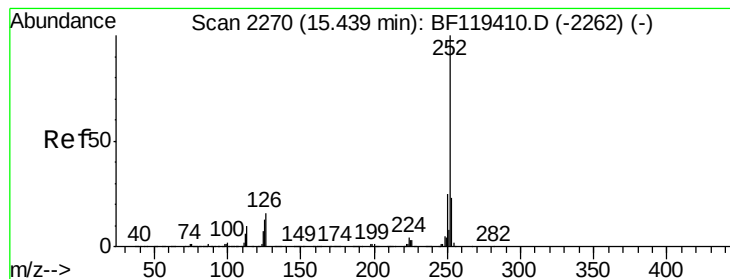
mohammad
4/3/2020 11:15:00 PM



#89
Benzo(k)fluoranthene
Concen: 3.208 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.8	26.6
125	12.7	8.4	12.6





#90

Benzo(a)pyrene

Concen: 8.641 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

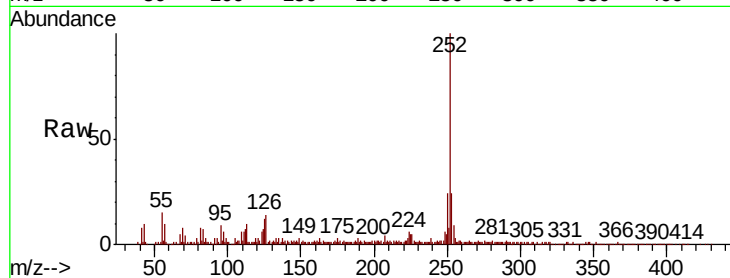
ClientSampleId :

SB-6-(1-3)

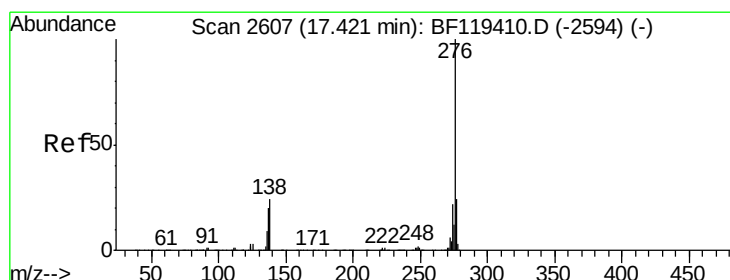
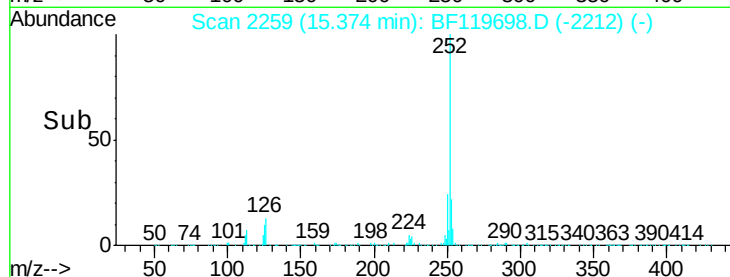
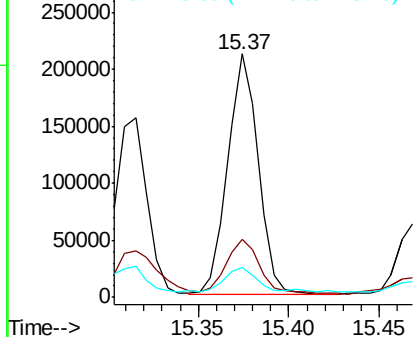
Tot Ion:	252	Resp:	246675
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	12.4	9.4	14.2

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



#92

Benzo(g,h,i)perylene

Concen: 6.398 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.04 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Tgt Ion:	276	Resp:	160480
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.4	27.6
138	23.4	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

