

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119316.D
 Acq On : 10 Mar 2020 14:53
 Operator : CG/JU
 Sample : L1778-09 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3

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Quant Time: Mar 11 02:30:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	118887	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	453184	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	225270	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	339792	20.00	ng	0.00
76) Chrysene-d12	13.89	240	266725	20.00	ng	0.00
87) Perylene-d12	15.32	264	250380	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	379039	53.28	ng	0.00
7) Phenol-d6	6.38	99	458035	52.94	ng	0.00
23) Nitrobenzene-d5	7.29	82	296819	34.58	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	113223	38.42	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	557812	36.48	ng	0.00
79) Terphenyl-d14	12.82	244	461987	29.82	ng	0.00
Target Compounds						
49) Acenaphthylene	9.62	152	43651	2.060	ng	98
50) Dimethylphthalate	9.48	163	37002	2.148	ng	99
72) Anthracene	11.32	178	58225	3.145	ng	95
75) Fluoranthene	12.46	202	262640	13.353	ng	99
78) Pyrene	12.69	202	269552	12.585	ng	97
81) Benzo(a)anthracene	13.87	228	151434	8.333	ng	99
83) Chrysene	13.91	228	184784	10.204	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	83175	4.744	ng	93
88) Benzo(b)fluoranthene	14.91	252	301315m	18.257	ng	
89) Benzo(k)fluoranthene	14.93	252	97428m	6.370	ng	
90) Benzo(a)pyrene	15.26	252	113822	7.642	ng	98
92) Benzo(a,h,i)perylene	17.16	276	76002	5.869	ng	94

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

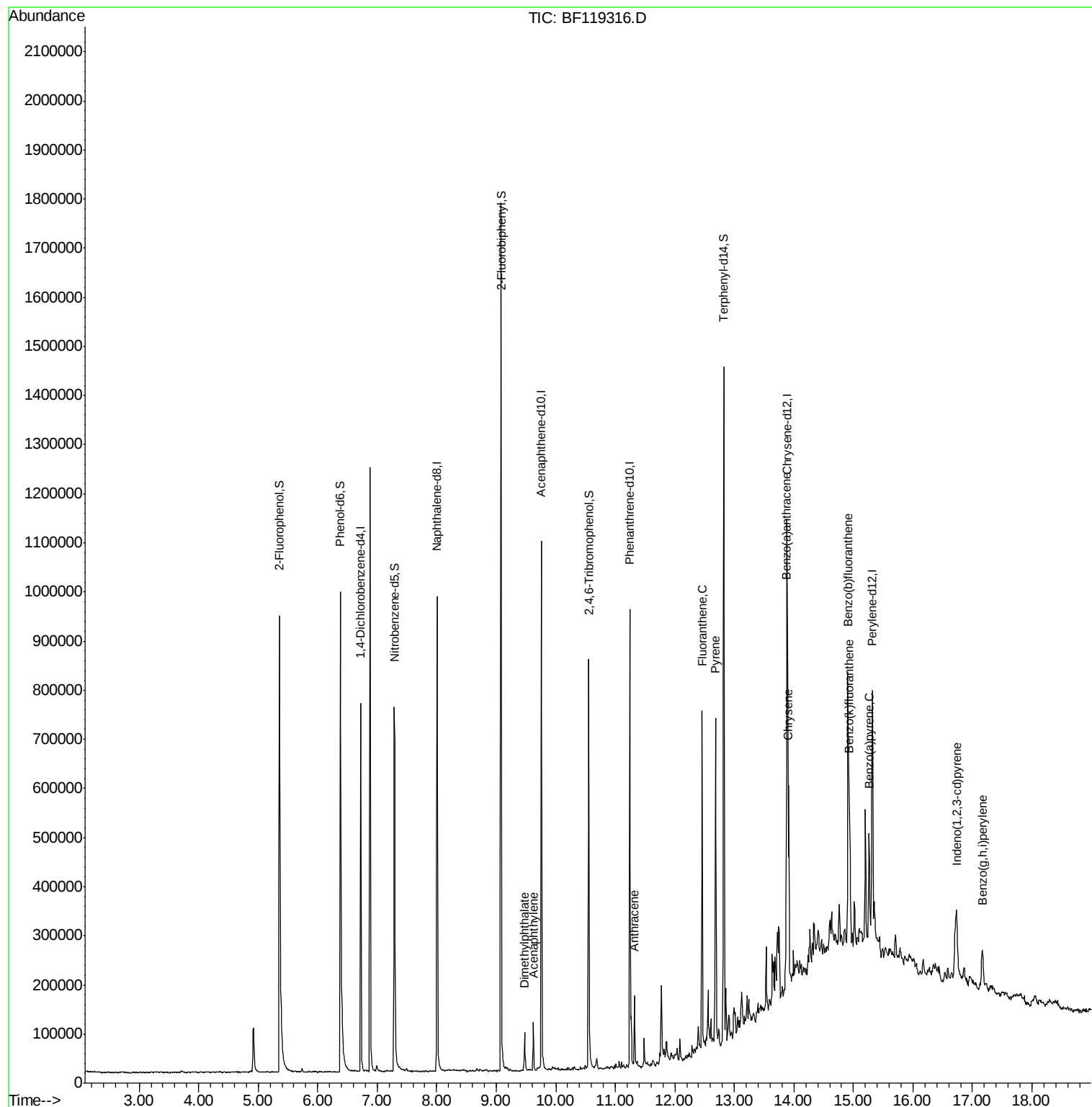
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119316.D
Acq On : 10 Mar 2020 14:53
Operator : CG/JU
Sample : L1778-09 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

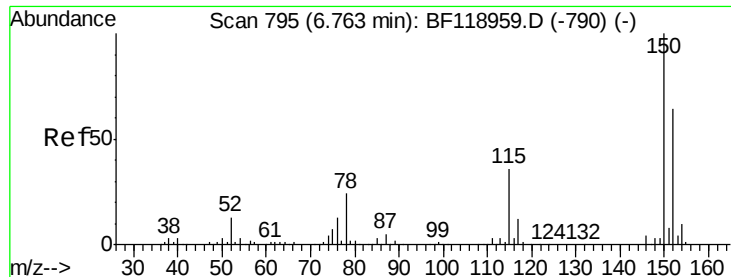
Instrument :
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S3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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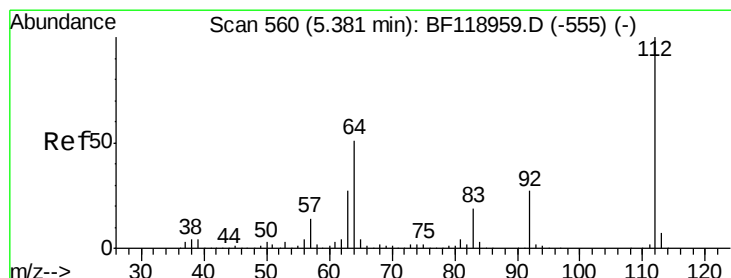
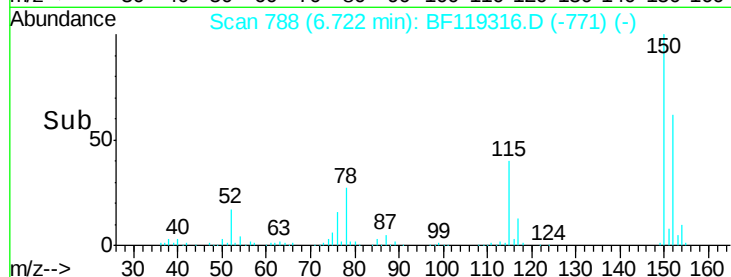
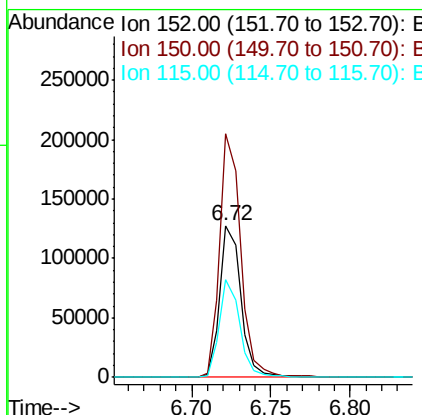
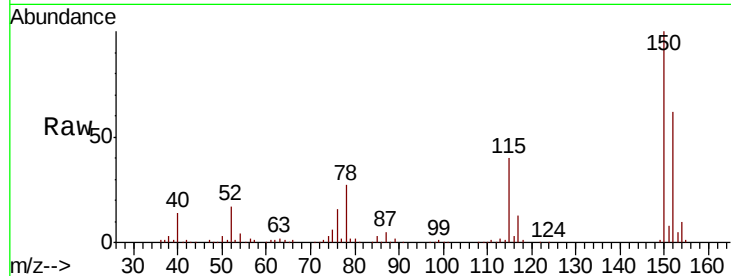
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Instrument :
 BNA_F
 ClientSampled :
 S3

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	123.0	184.6
115	64.2	49.5	74.3

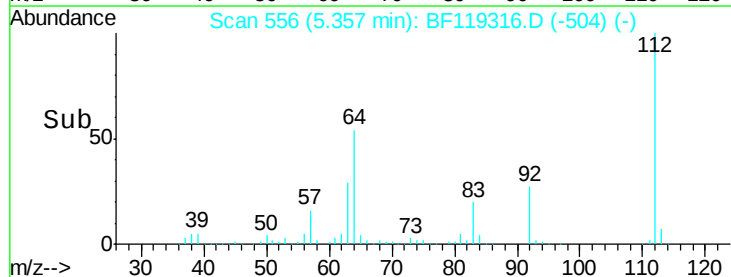
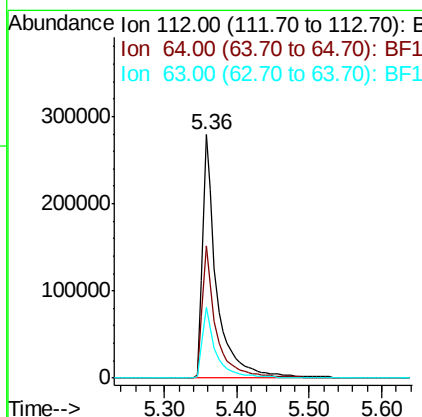
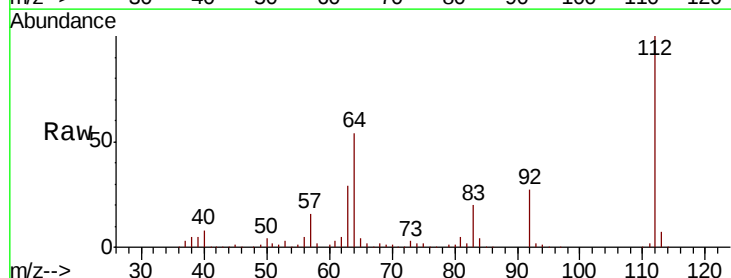
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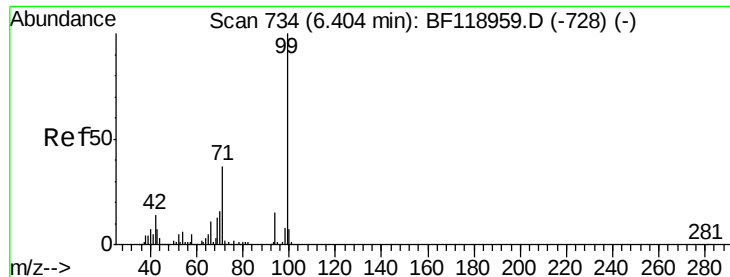
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#5
 2-Fluorophenol
 Concen: 53.281 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.0	67.4
63	28.9	24.2	36.4





#7

Phenol-d6

Concen: 52.940 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119316.D

Acq: 10 Mar 2020 14:53

Instrument :

BNA_F

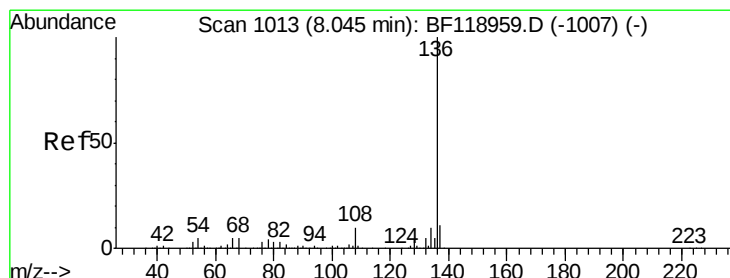
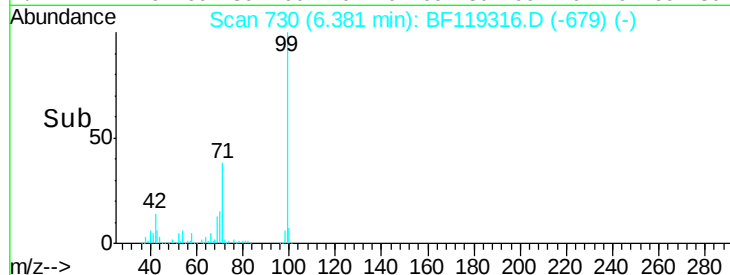
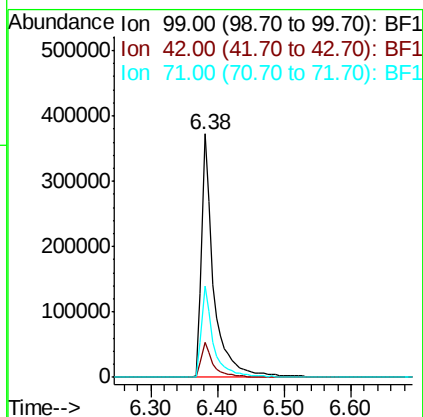
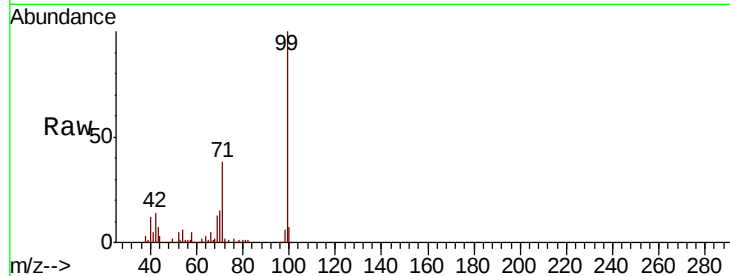
ClientSampled :

S3

Tot Ion:	99	Resp:	458035
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.6	18.8
71	37.6	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

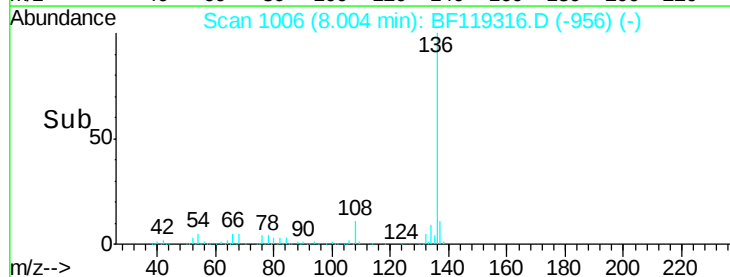
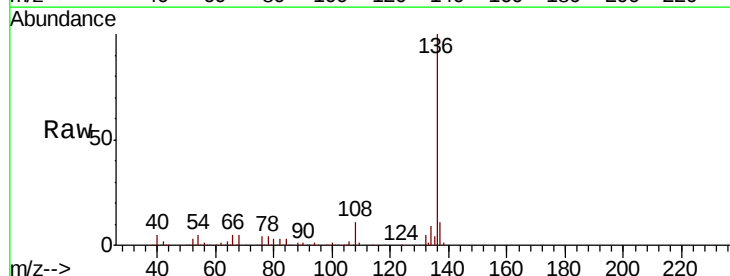
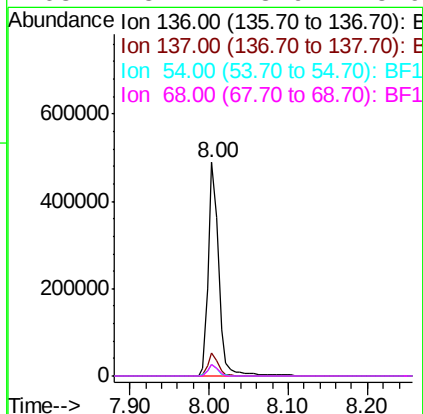
RT: 8.00 min Scan# 1006

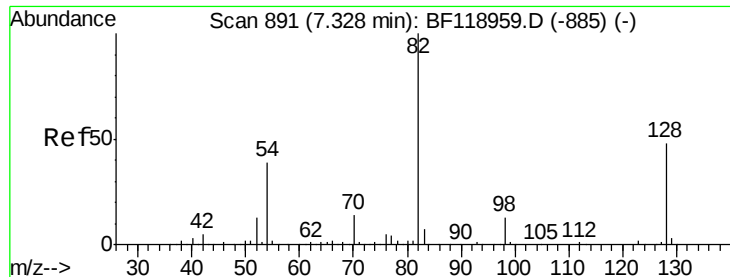
Delta R.T. -0.01 min

Lab File: BF119316.D

Acq: 10 Mar 2020 14:53

Tgt Ion:	136	Resp:	453184
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	5.1	3.8	5.6
68	5.2	3.9	5.9





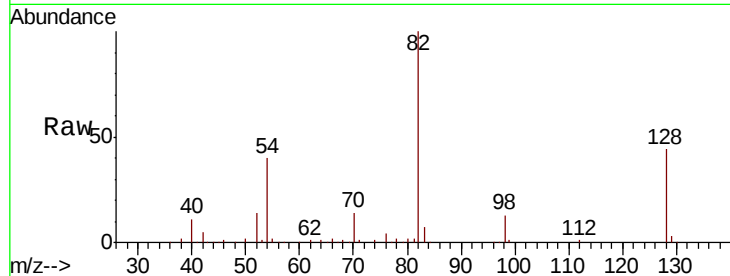
#23
 Nitrobenzene-d5
 Concen: 34.582 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Instrument :
 BNA_F
 ClientSampleId :
 S3

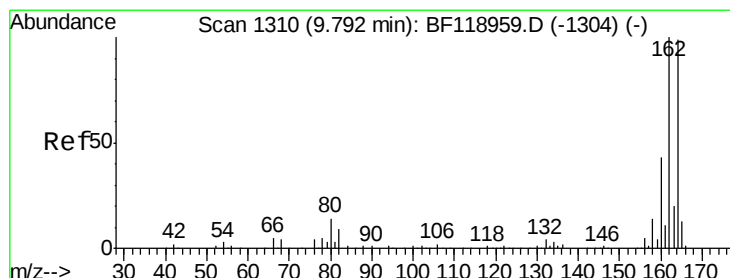
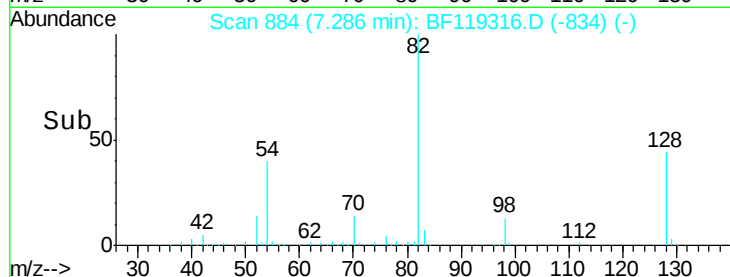
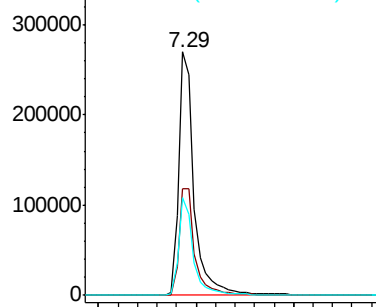
Tot Ion	Ratio	Resp	Lower	Upper
82	100	296819		
128	43.7		37.9	56.9
54	40.4		33.4	50.2

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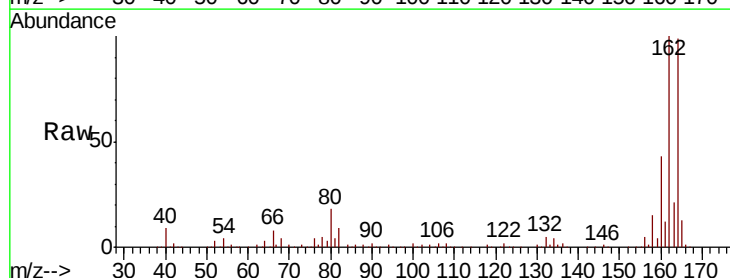


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

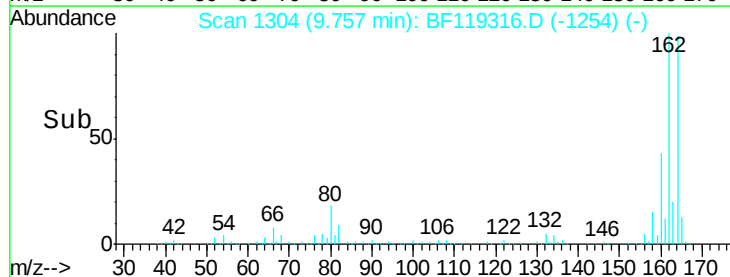
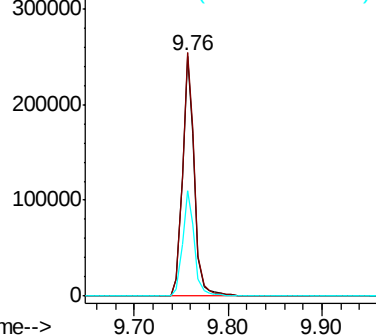


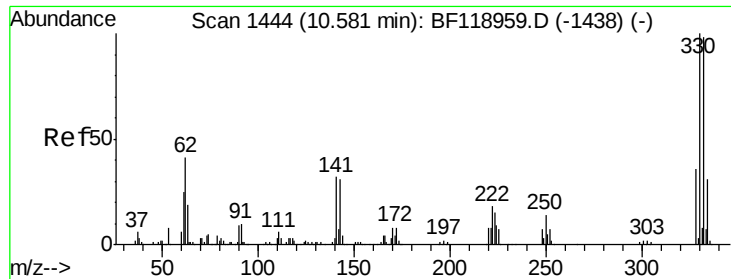
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225270		
162	101.4		81.8	122.8
160	44.1		36.0	54.0



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





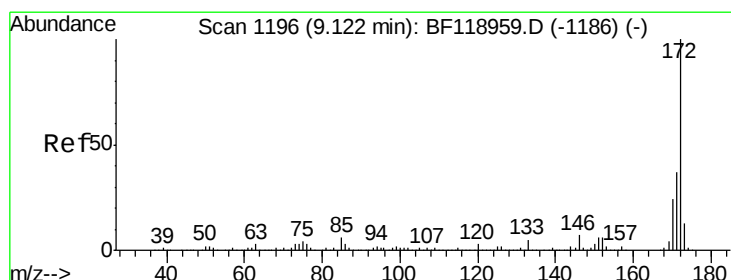
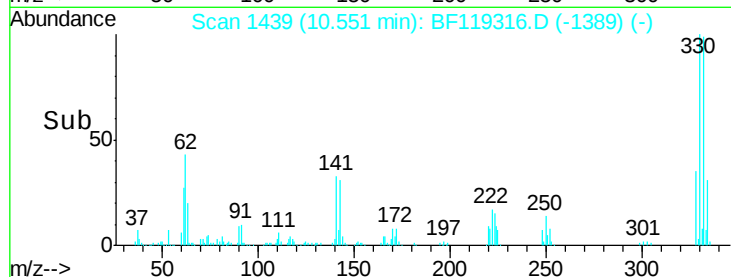
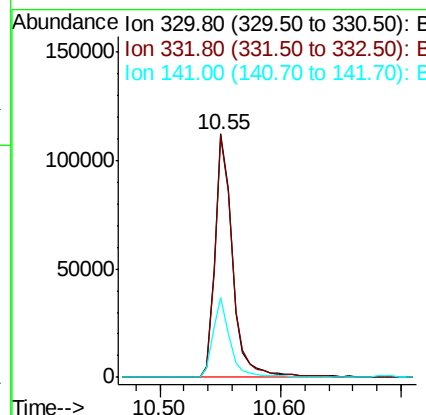
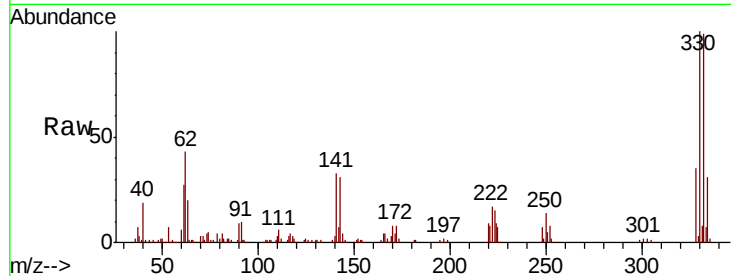
#42
 2,4,6-Tribromophenol
 Concen: 38.421 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Instrument :
 BNA_F
 ClientSampled :
 S3

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.8	76.0	114.0	
141	31.7	22.9	34.3	

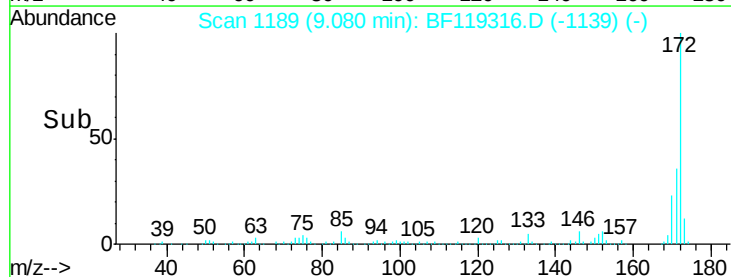
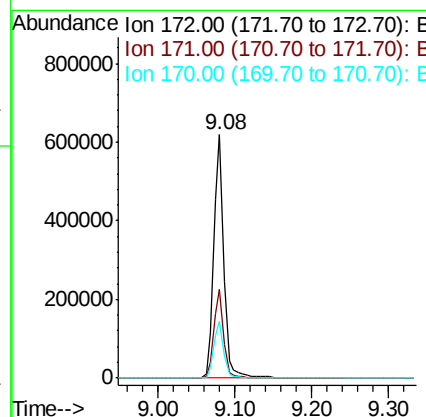
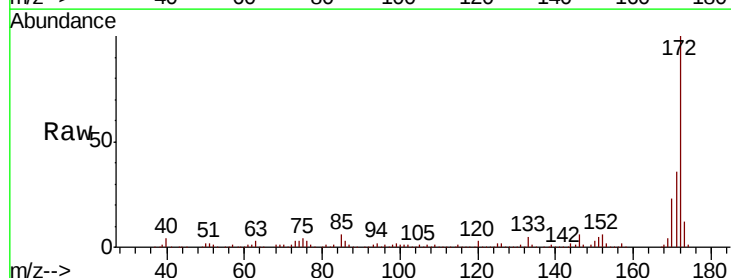
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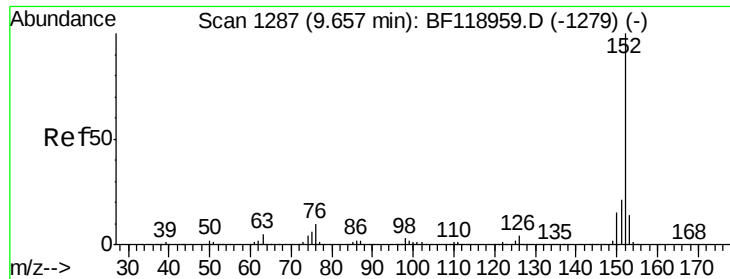
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#45
 2-Fluorobiphenyl
 Concen: 36.479 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	30.6	45.8	
170	23.3	20.2	30.2	





#49

Acenaphthylene

Concen: 2.060 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BF119316.D

Acq: 10 Mar 2020 14:53

Instrument :

BNA_F

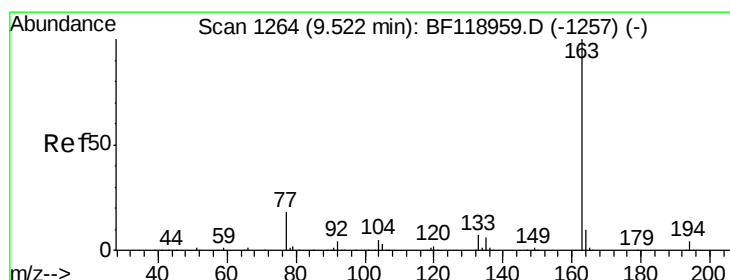
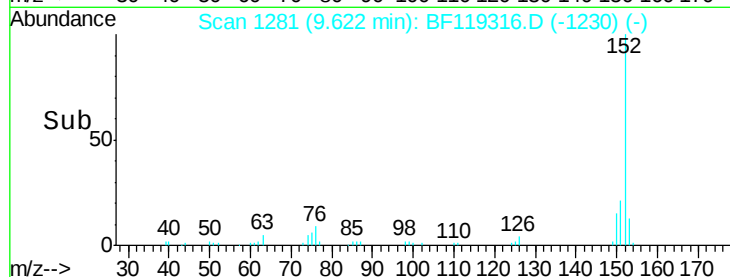
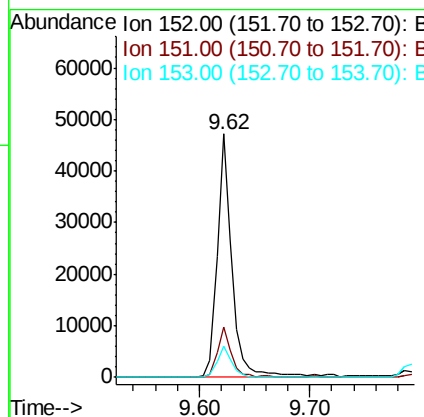
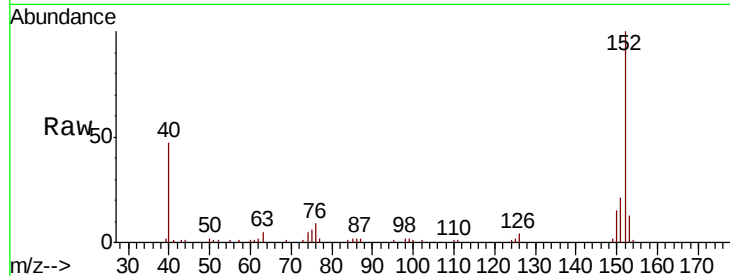
ClientSampleId :

S3

Tot Ion:	152	Resp:	43651
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.9	25.3
153	12.8	11.0	16.6

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#50

Dimethylphthalate

Concen: 2.148 ng

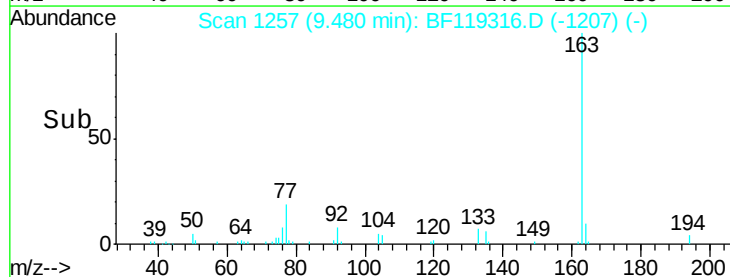
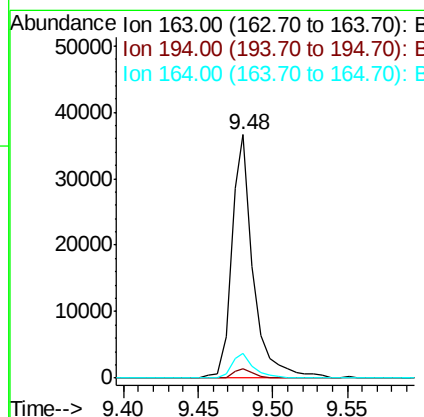
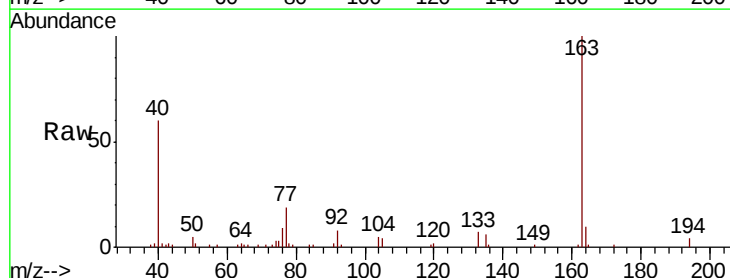
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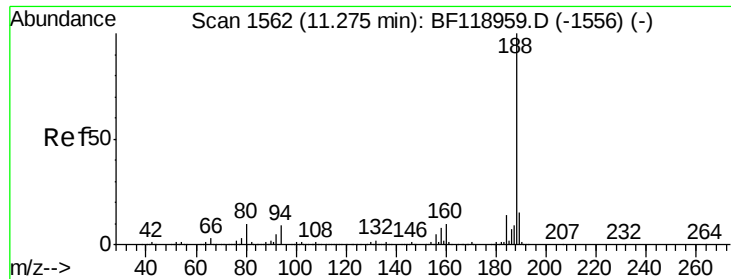
Delta R.T. -0.01 min

Lab File: BF119316.D

Acq: 10 Mar 2020 14:53

Tgt Ion:	163	Resp:	37002
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.5	5.3
164	10.2	8.4	12.6





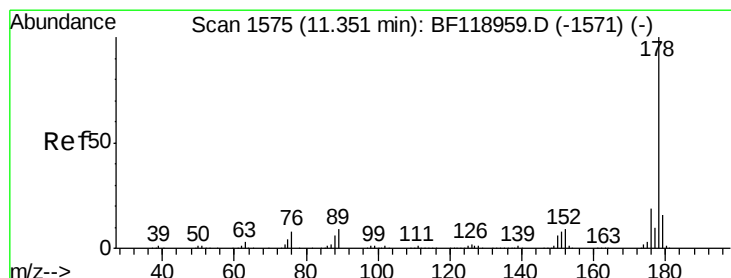
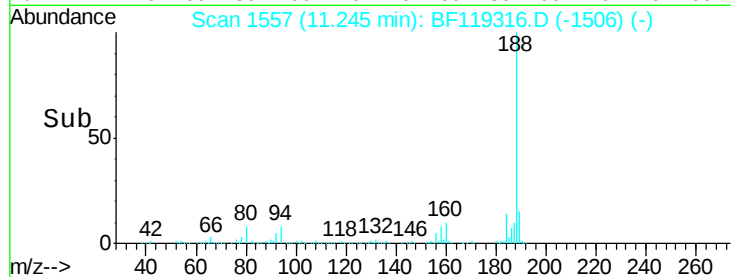
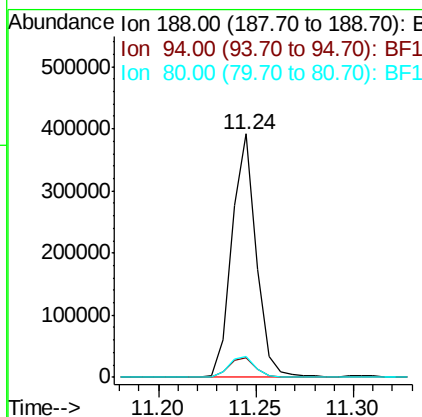
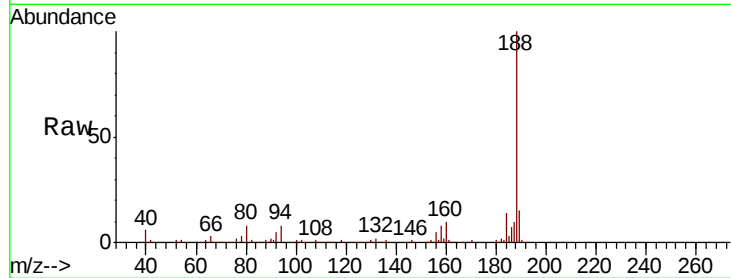
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Instrument :
BNA_F
ClientSampled :
S3

Tot Ion:	188	Resp:	339792
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.1	10.7
80	8.4	7.8	11.8

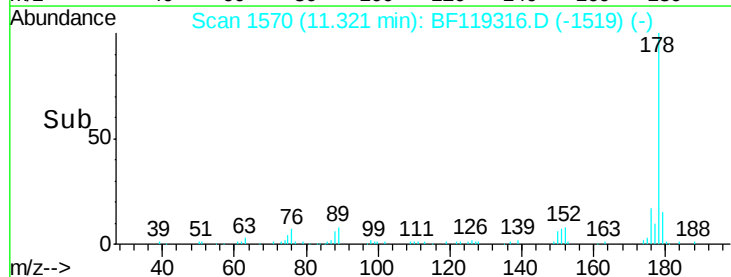
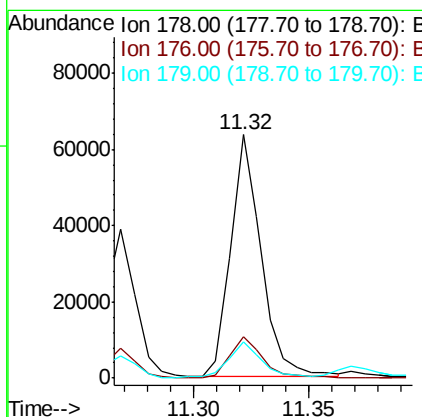
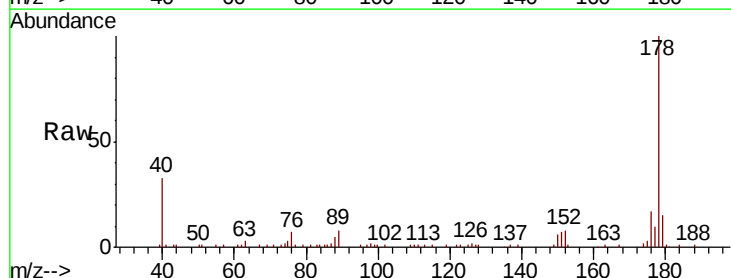
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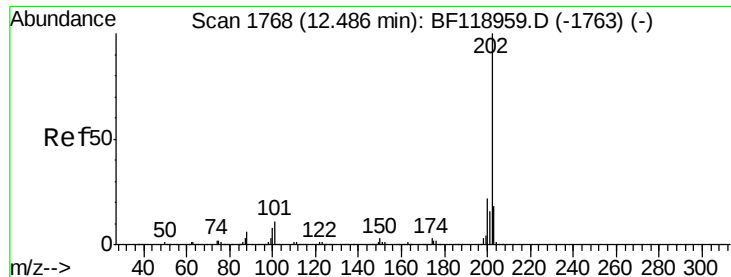
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#72
Anthracene
Concen: 3.145 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Tgt Ion:	178	Resp:	58225
Ion Ratio	Lower	Upper	
178	100		
176	17.2	16.0	24.0
179	15.0	13.1	19.7





#75

Fluoranthene

Concen: 13.353 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF119316.D

Acq: 10 Mar 2020 14:53

Instrument :

BNA_F

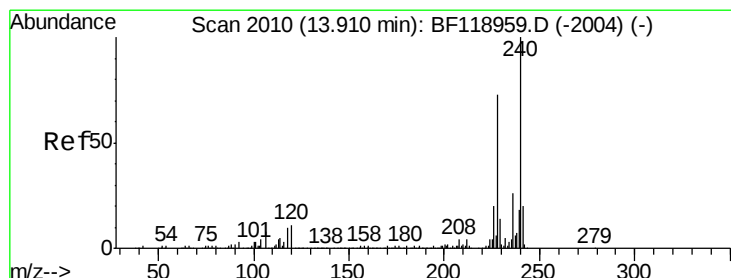
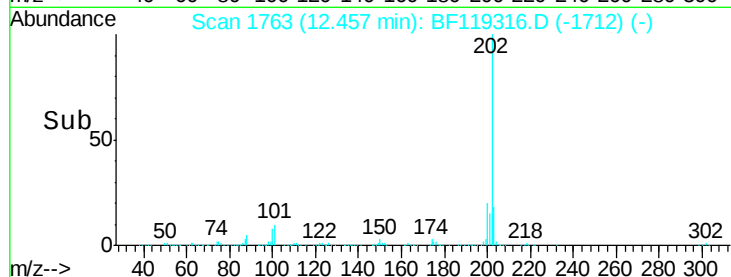
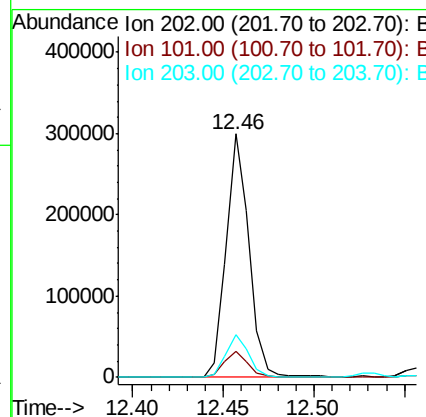
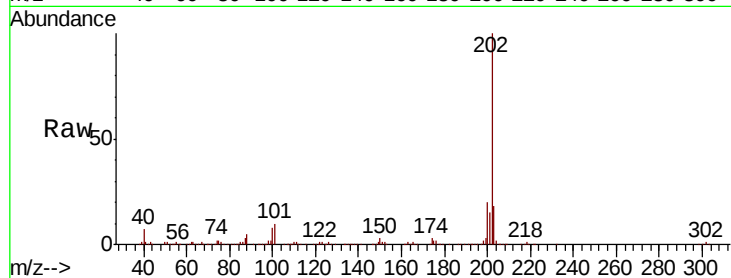
ClientSampleId :

S3

Tot Ion:	202	Resp:	262640
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	30.3
203	17.5	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

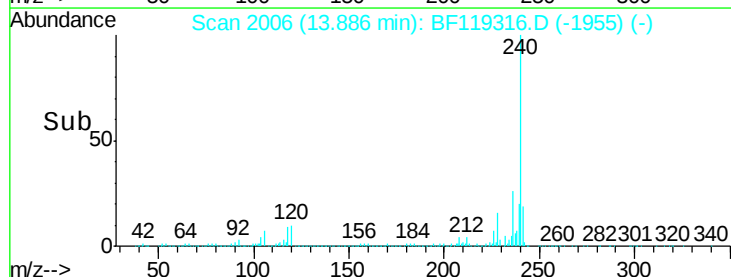
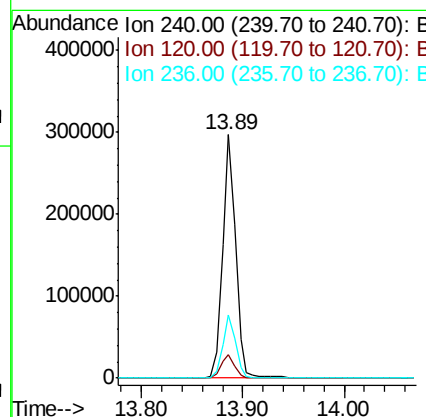
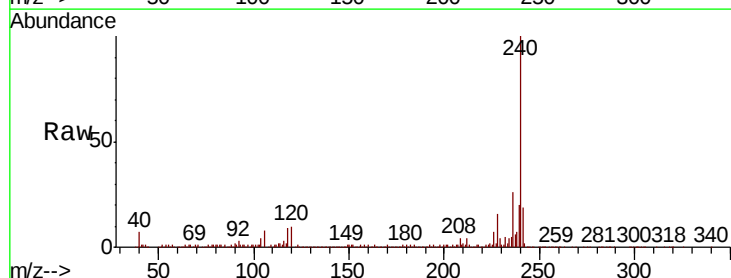
RT: 13.89 min Scan# 2006

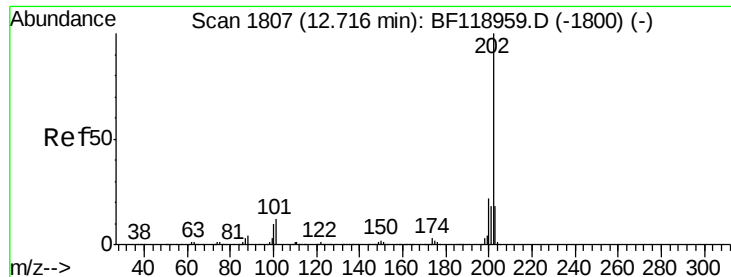
Delta R.T. -0.00 min

Lab File: BF119316.D

Acq: 10 Mar 2020 14:53

Tgt Ion:	240	Resp:	266725
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.4	12.6
236	25.7	21.0	31.4





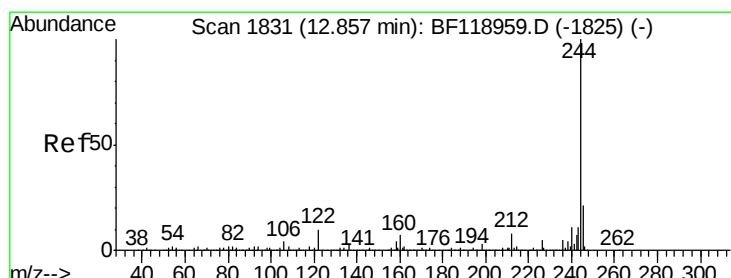
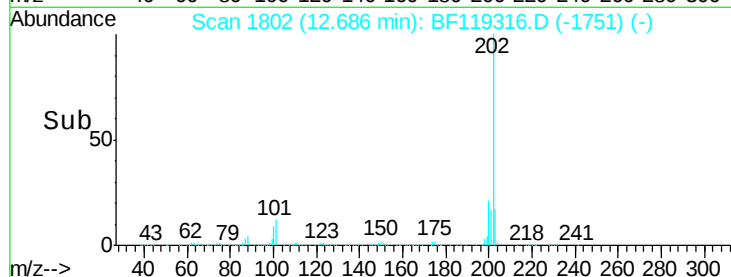
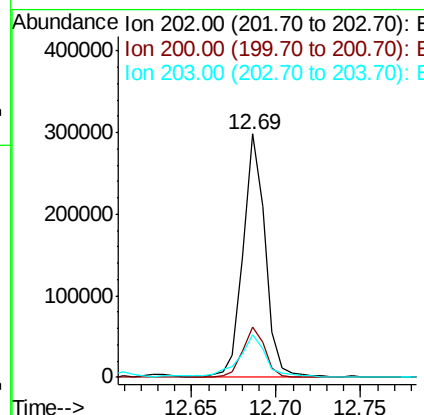
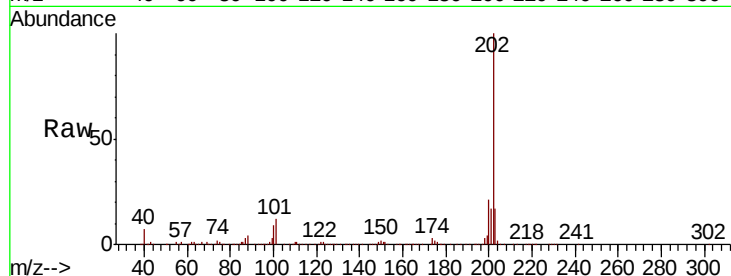
#78
Pvrene
Concen: 12.585 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.00 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	18.0	27.0
203	17.4	14.6	22.0

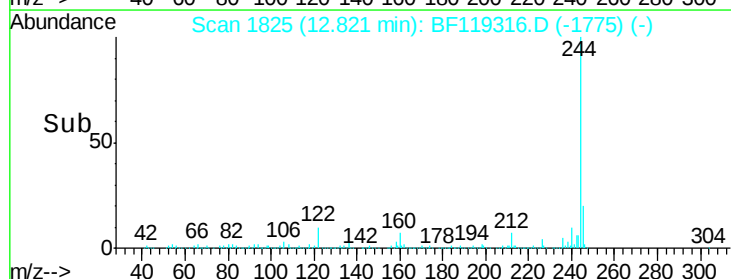
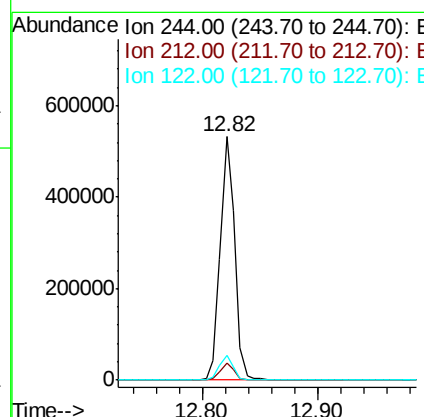
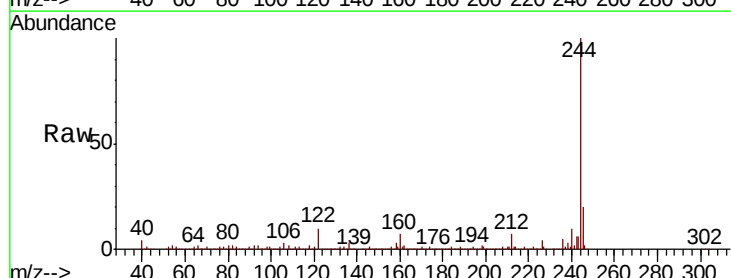
Manual Integrations
APPROVED

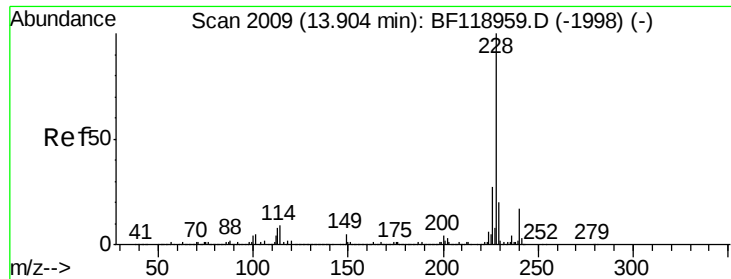
mohammad
3/11/2020 4:57:54 PM



#79
Terphenyl-d14
Concen: 29.821 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.6	10.0
122	10.1	8.2	12.2





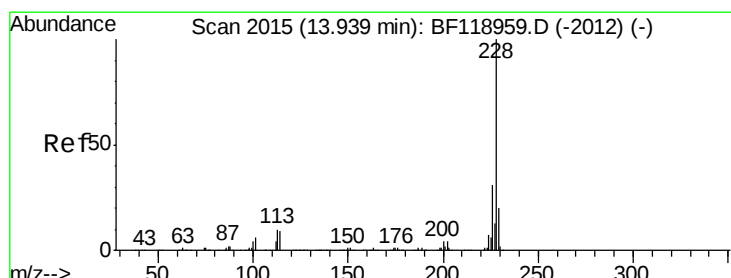
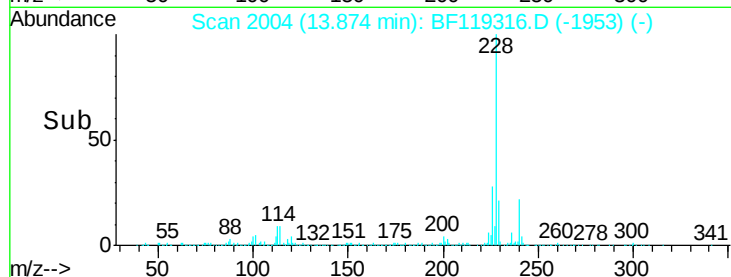
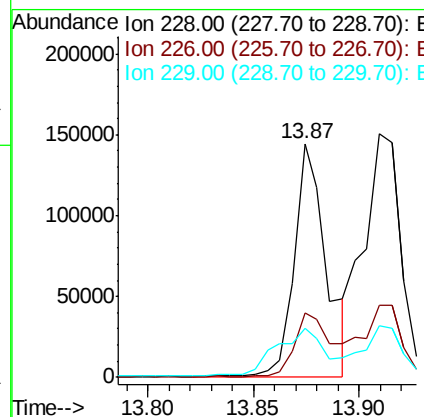
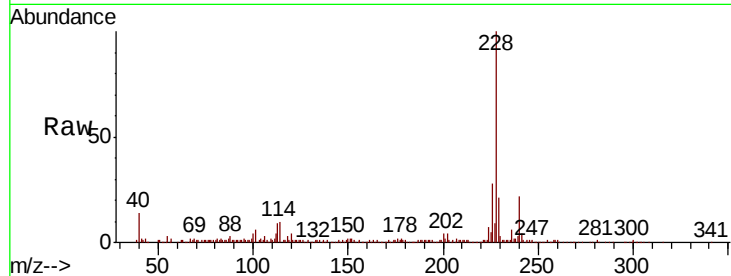
#81
Benzo(a)anthracene
Concen: 8.333 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.1	16.6	24.8

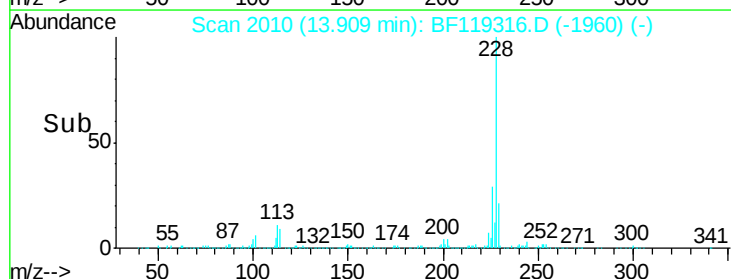
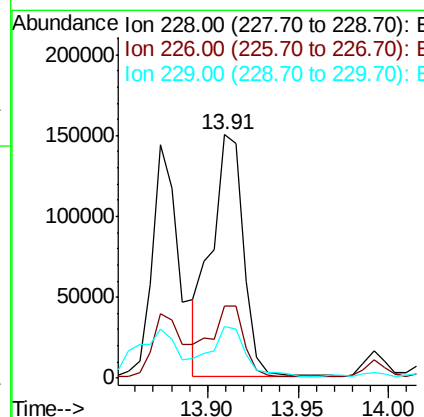
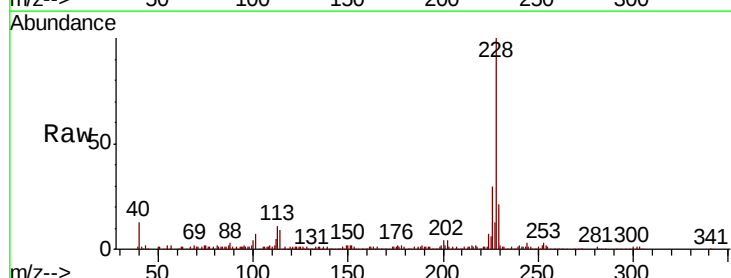
Manual Integrations
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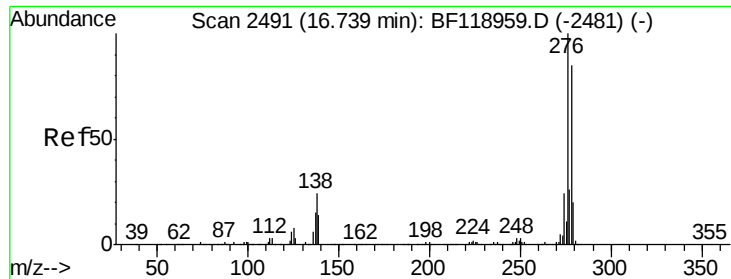
mohammad
3/11/2020 4:57:54 PM



#83
Chrysene
Concen: 10.204 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.1	37.7
229	21.2	16.3	24.5





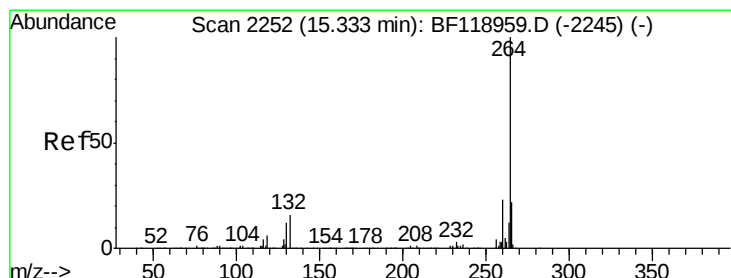
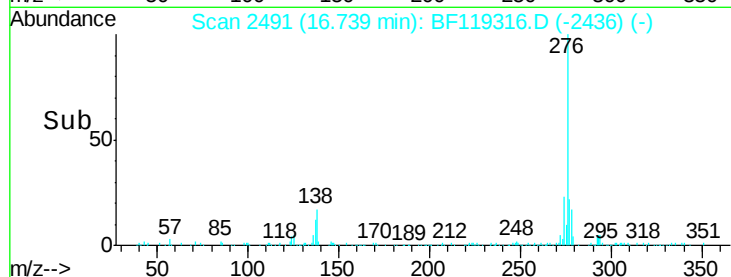
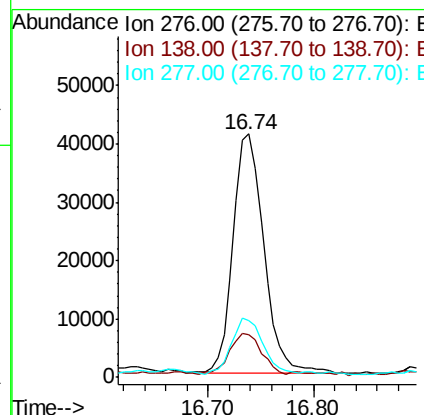
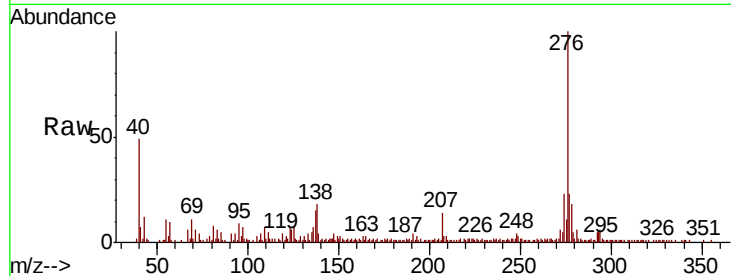
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.744 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. 0.02 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Instrument :
 BNA_F
 ClientSampled :
 S3

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.4	17.4	26.0
277	23.2	20.3	30.5

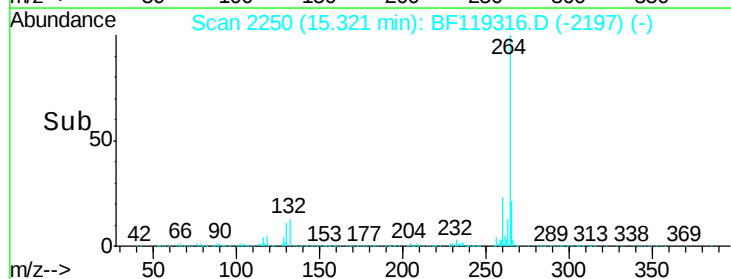
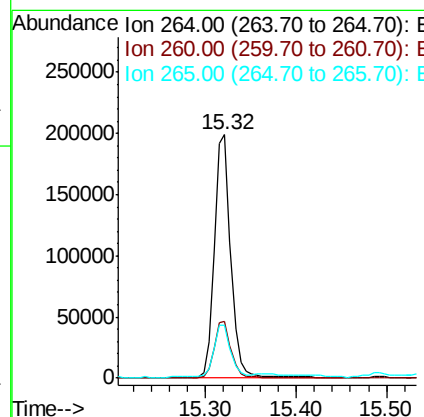
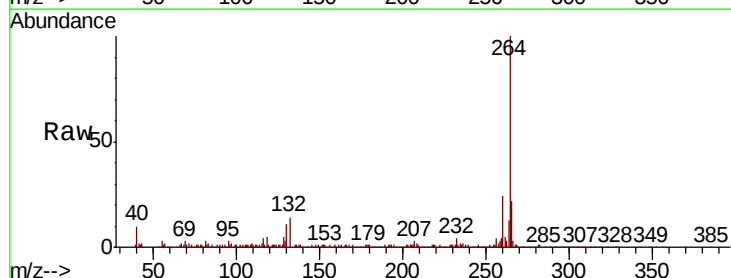
Manual Integrations
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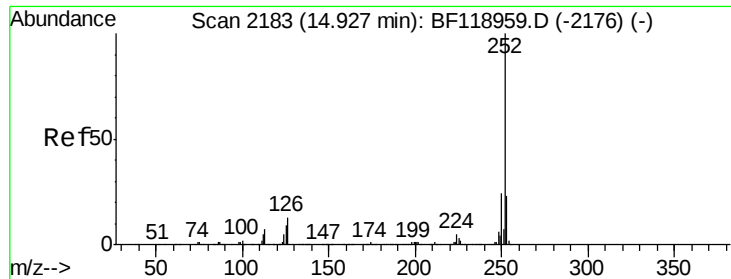
mohammad
 3/11/2020 4:57:54 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF119316.D
 Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.9	17.7	26.5





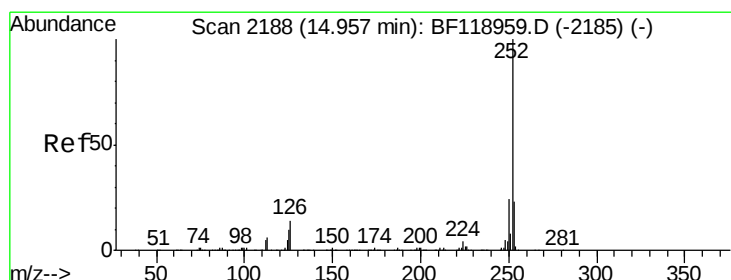
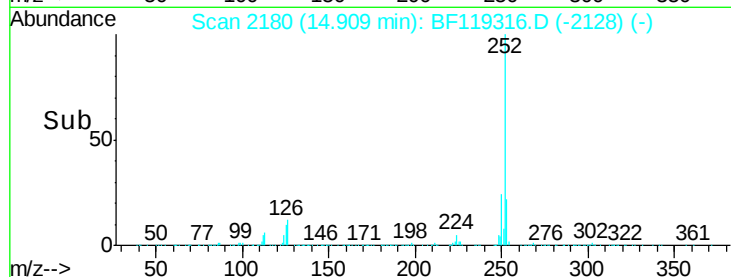
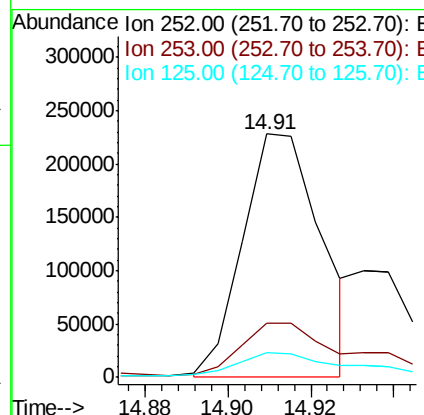
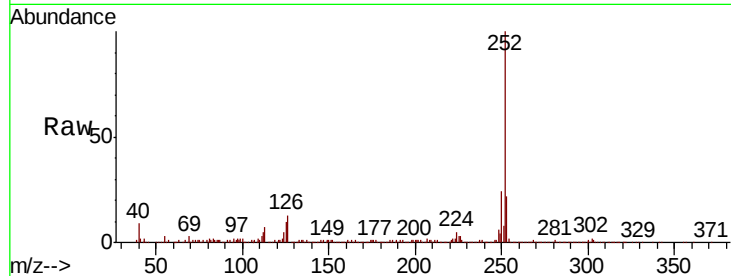
#88
Benzo(b)fluoranthene
Concen: 18.257 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	10.2	7.4	11.0

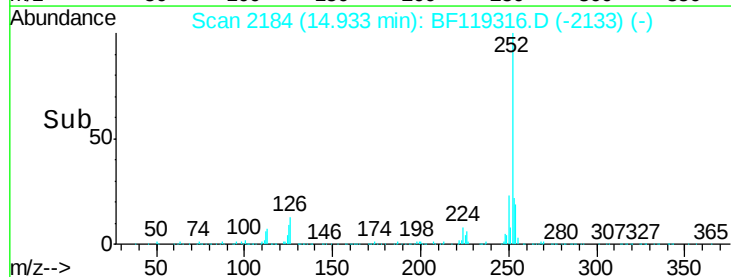
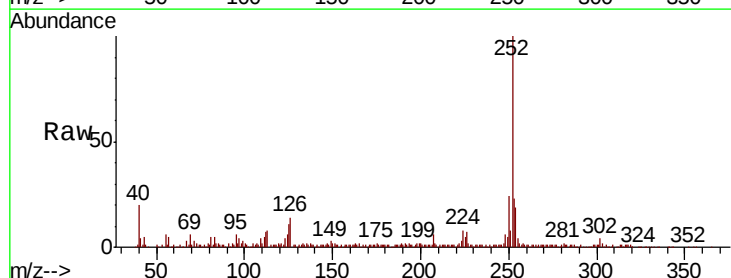
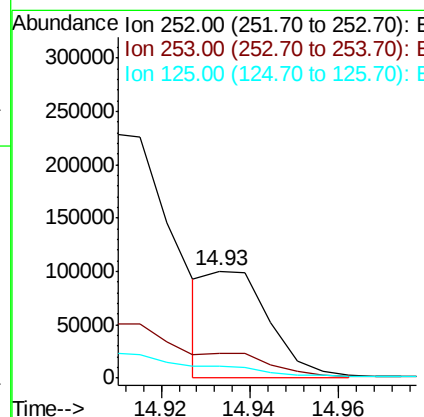
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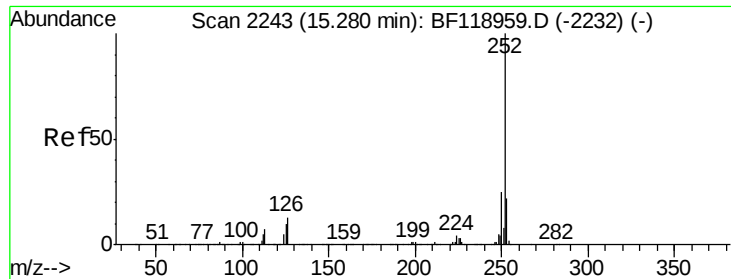
mohammad
3/11/2020 4:57:54 PM



#89
Benzo(k)fluoranthene
Concen: 6.370 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	10.8	7.5	11.3





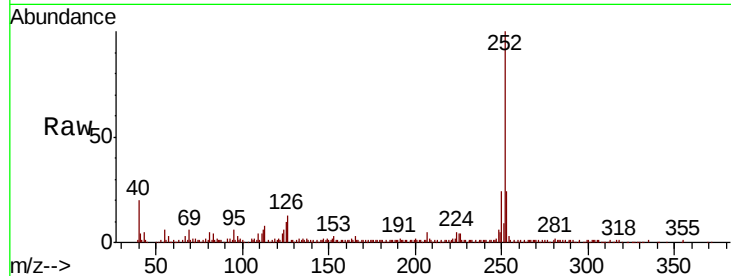
#90
Benzo(a)pyrene
Concen: 7.642 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	10.1	8.6	12.8

Manual Integrations
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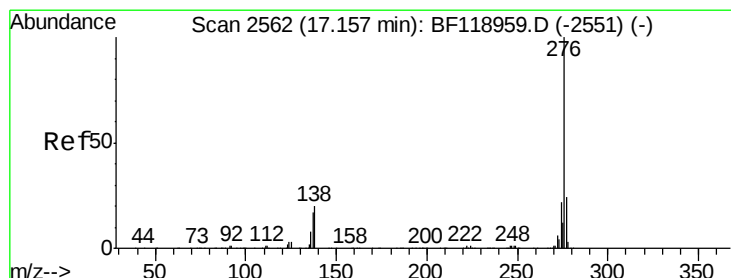
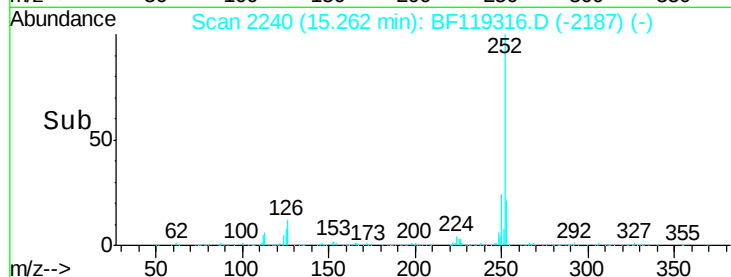
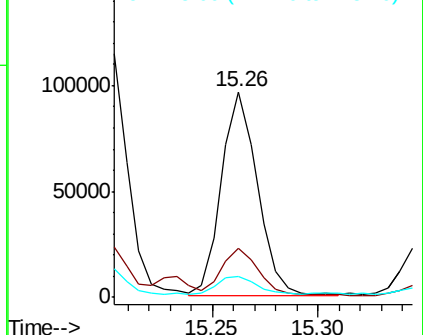


Abundance

Ion 252.00 (251.70 to 252.70): E

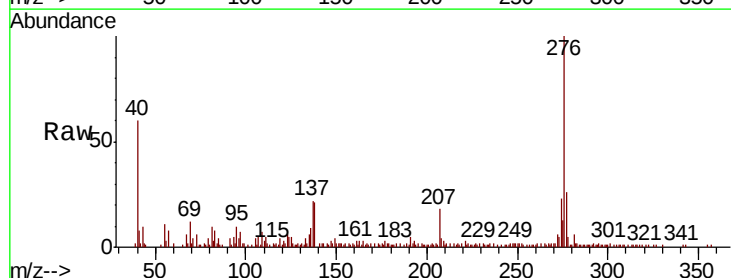
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.869 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.02 min
Lab File: BF119316.D
Acq: 10 Mar 2020 14:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.7	28.1
138	20.8	14.3	21.5



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

