

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119126.D
 Acq On : 28 Feb 2020 00:03
 Operator : CG/JU
 Sample : L1696-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-052-A

Manual Integrations
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Quant Time: Feb 28 05:52:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	148690	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	521447	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	247466	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	378096	20.00	ng	0.00
76) Chrysene-d12	13.90	240	337726	20.00	ng	0.00
87) Perylene-d12	15.33	264	391069	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	765234	86.01	ng	0.00
7) Phenol-d6	6.39	99	889139	82.17	ng	-0.01
23) Nitrobenzene-d5	7.31	82	575147	58.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	219443	67.79	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	999645	59.51	ng	0.00
79) Terphenyl-d14	12.85	244	931818	47.50	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.40	94	86242	7.372	ng	# 73
31) Naphthalene	8.05	128	317061	11.724	ng	98
37) 2-Methylnaphthalene	8.74	142	112083	6.159	ng	97
38) 1-Methylnaphthalene	8.84	142	70804	4.137	ng	98
46) 1,1'-Biphenyl	9.20	154	65445	3.272	ng	96
50) Dimethylphthalate	9.49	163	143357	7.576	ng	99
52) Acenaphthene	9.81	154	312589	22.270	ng	99
55) Dibenzofuran	9.98	168	307684	14.686	ng	95
58) Fluorene	10.33	166	290201	17.826	ng	100
71) Phenanthrene	11.29	178	1050410	50.943	ng	98
72) Anthracene	11.34	178	275209	13.358	ng	97
73) Carbazole	11.49	167	110405	6.015	ng	97
75) Fluoranthene	12.47	202	806841	36.864	ng	99
78) Pyrene	12.70	202	640409	23.615	ng	97
81) Benzo(a)anthracene	13.89	228	328018	14.255	ng	100
83) Chrysene	13.93	228	307678	13.419	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	138487	6.238	ng	97
88) Benzo(b)fluoranthene	14.92	252	420875m	16.327	ng	
89) Benzo(k)fluoranthene	14.94	252	137549m	5.758	ng	
90) Benzo(a)pyrene	15.27	252	283753	12.197	ng	98
92) Benzo(a,h,i)perylene	17.16	276	126559	6.257	ng	98

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

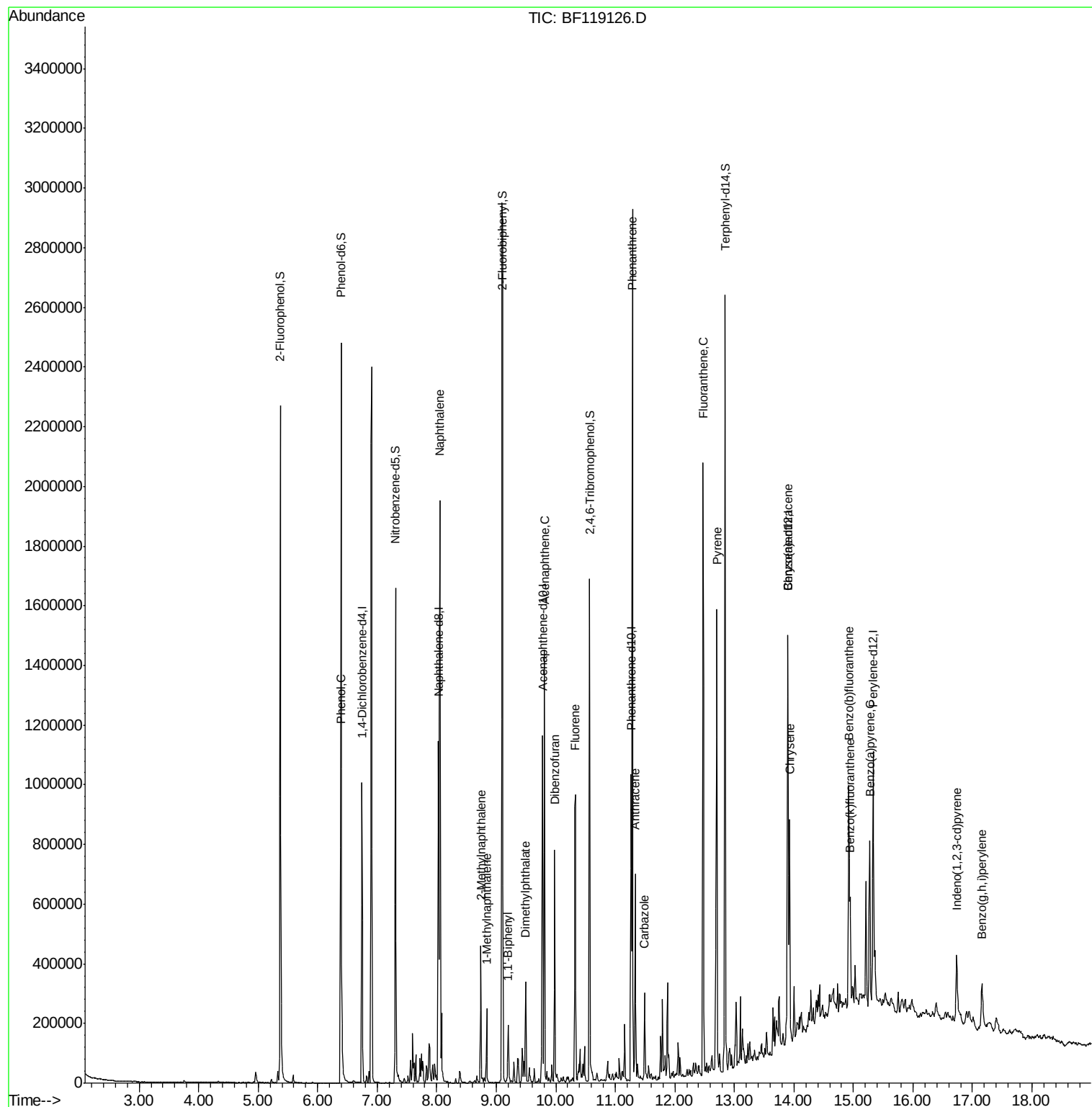
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119126.D
Acq On : 28 Feb 2020 00:03
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Sample : L1696-01
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ALS Vial : 21 Sample Multiplier: 1

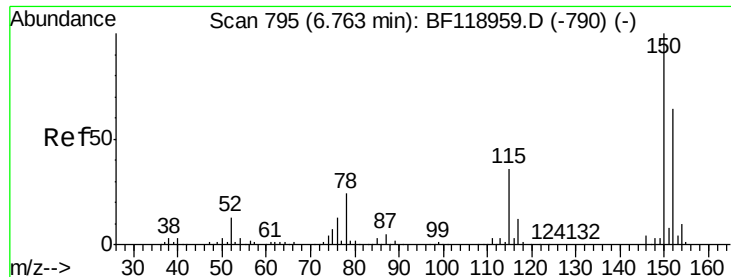
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

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Quant Time: Feb 28 05:52:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

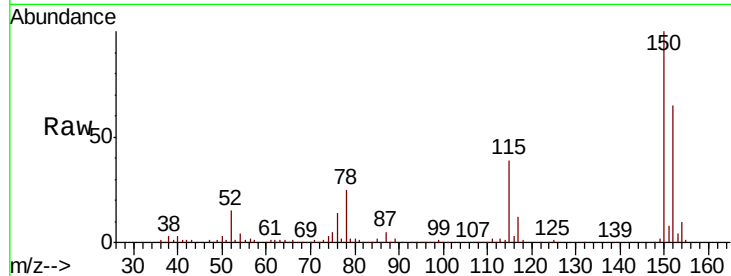
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.0	184.6
115	60.1	49.5	74.3

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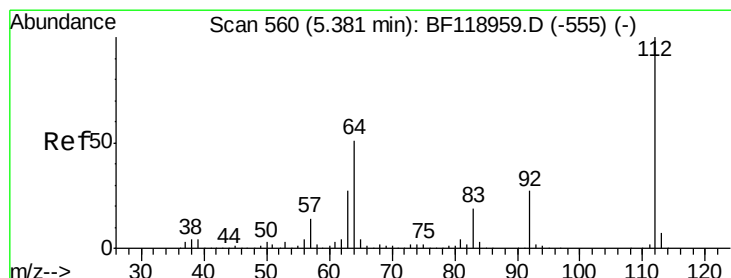
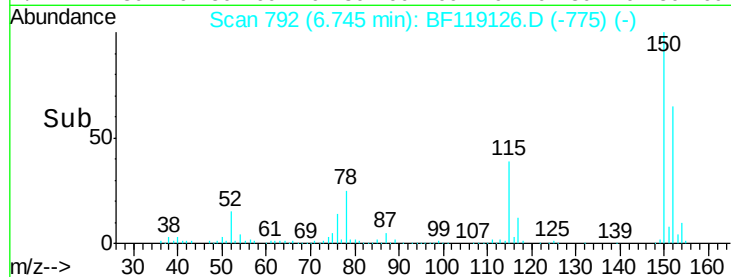
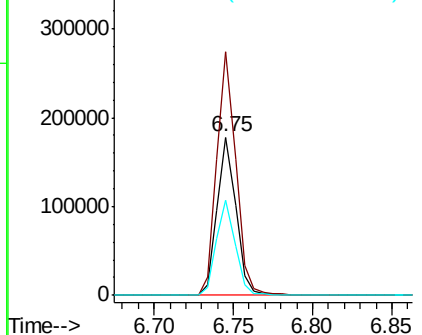


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

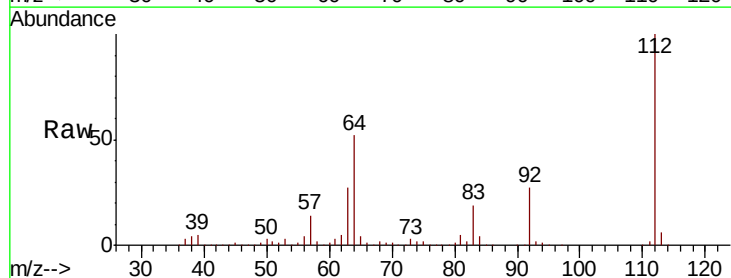
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.007 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.0	67.4
63	27.3	24.2	36.4

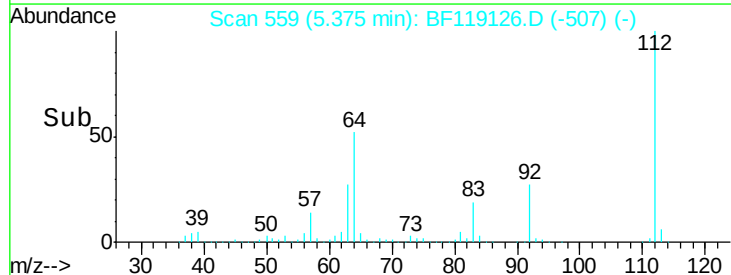
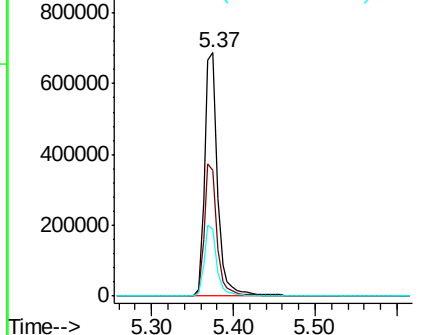


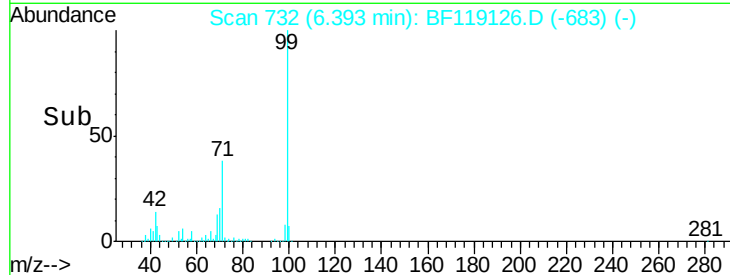
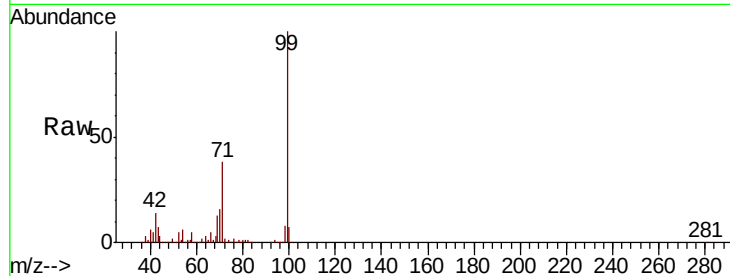
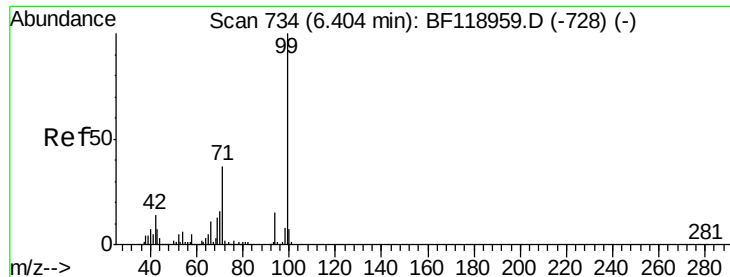
Abundance

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: 82.170 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		889139		
42	14.4	12.6	18.8		
71	38.1	31.0	46.4		

Instrument :

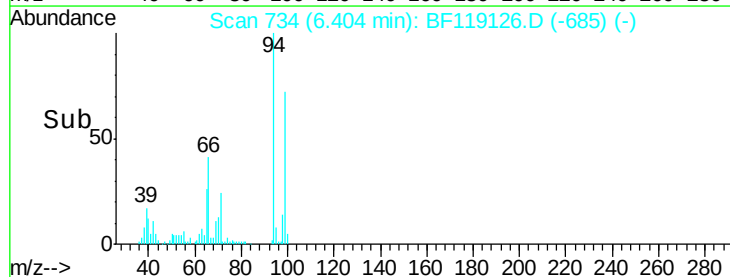
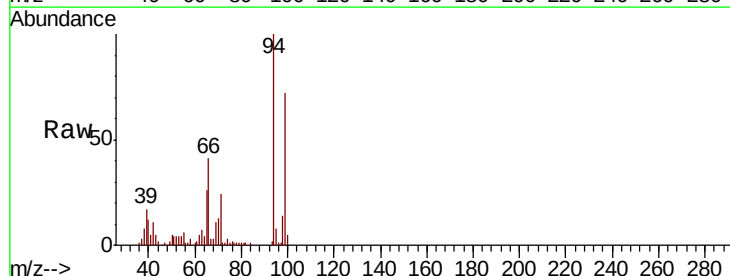
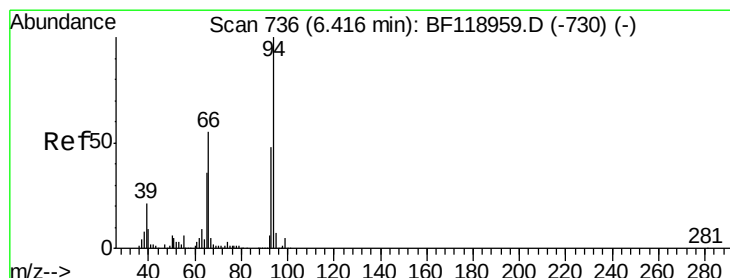
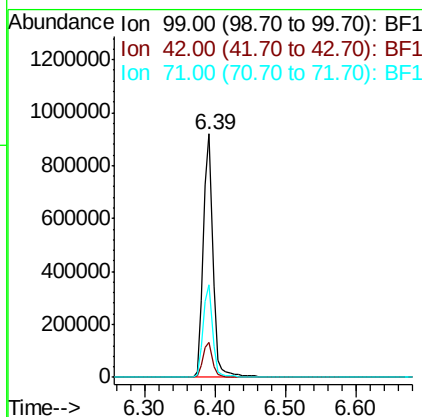
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 7.372 ng

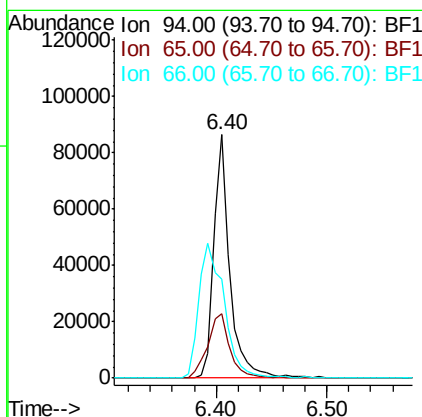
RT: 6.40 min Scan# 734

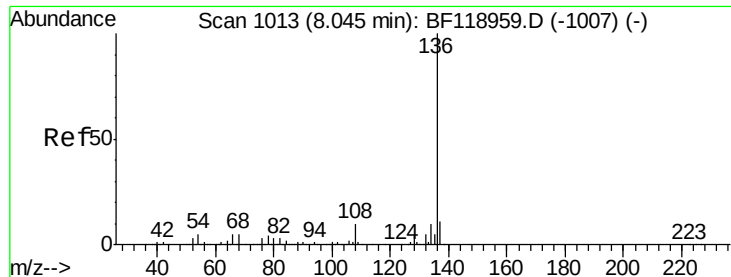
Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		86242		
65	26.3	19.2	59.2		
66	40.7	44.4	84.4#		





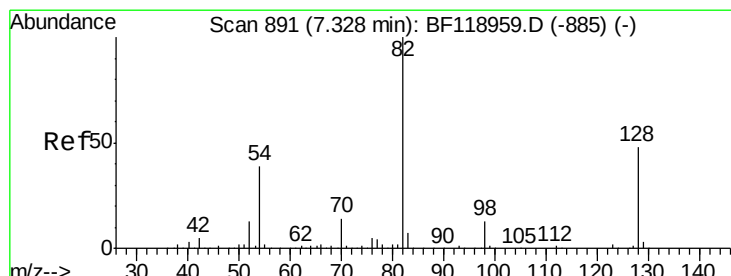
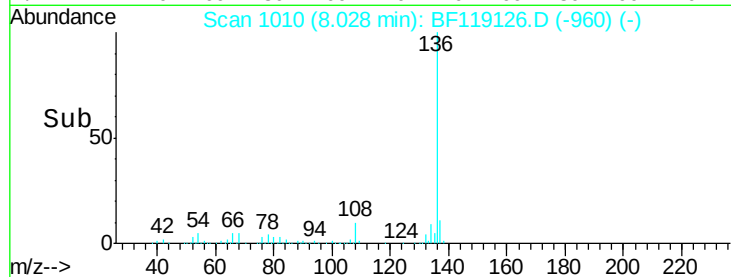
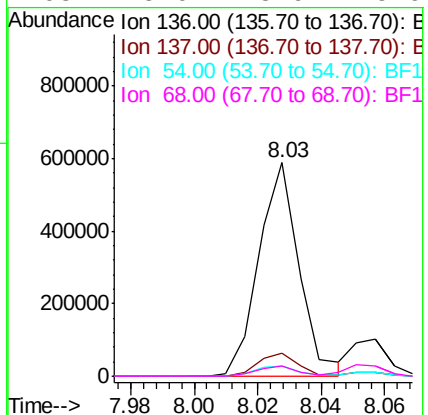
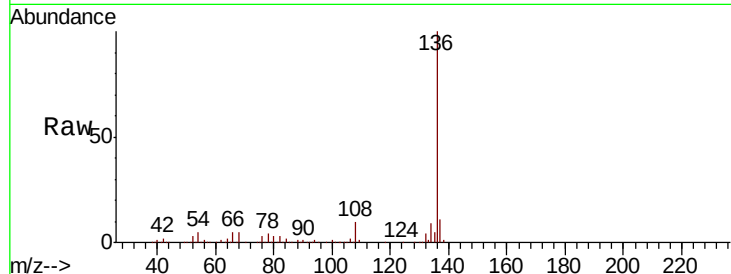
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		521447		
137	11.0		8.8	13.2	
54	4.6		3.8	5.6	
68	5.0		3.9	5.9	

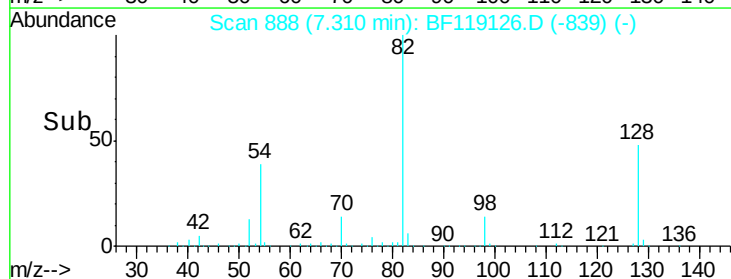
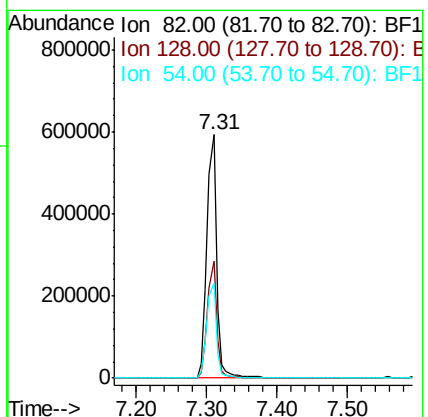
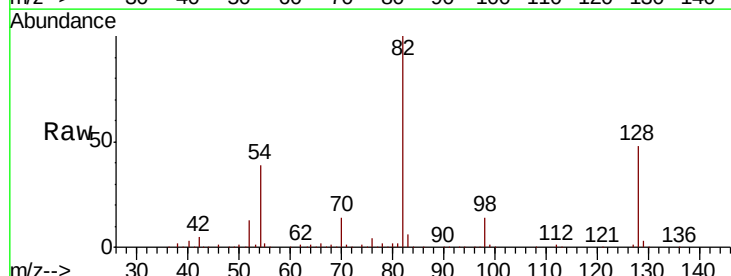
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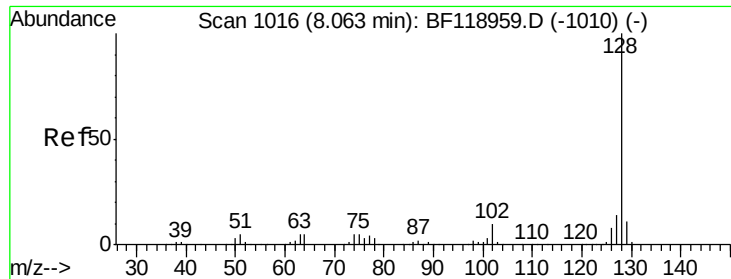
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#23
Nitrobenzene-d5
Concen: 58.238 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		575147		
128	48.2		37.9	56.9	
54	39.0		33.4	50.2	





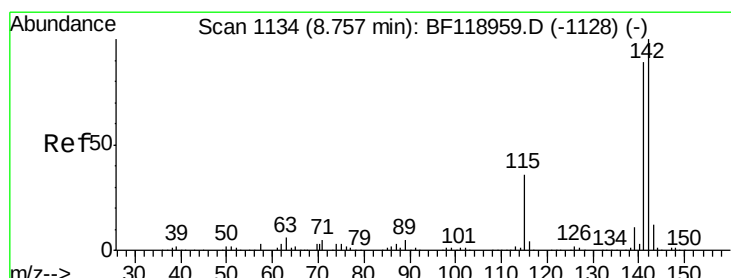
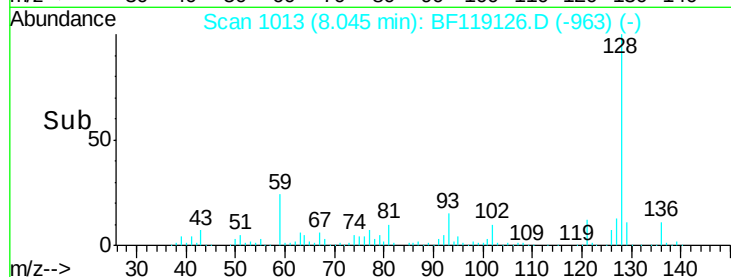
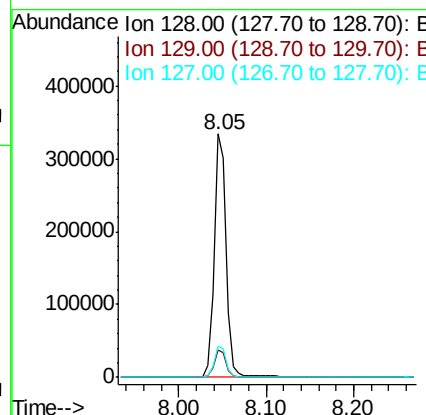
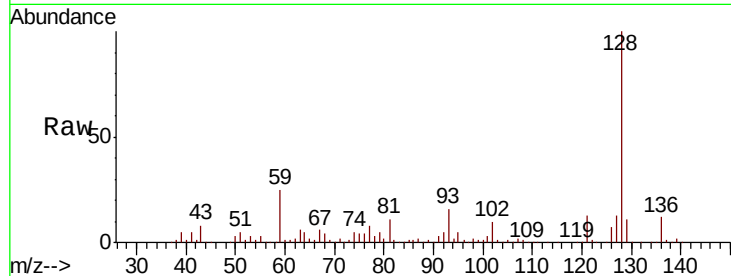
#31
Naphthalene
Concen: 11.724 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.2
127	13.0	11.4	17.2

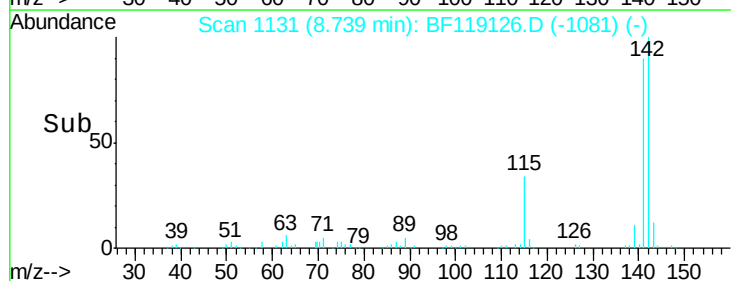
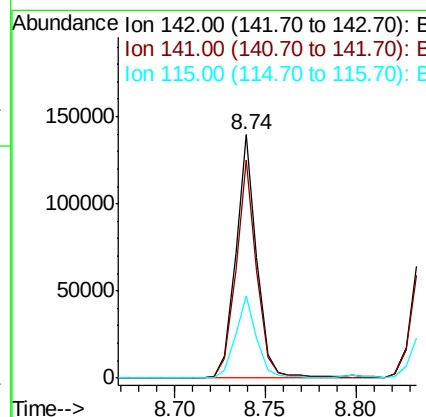
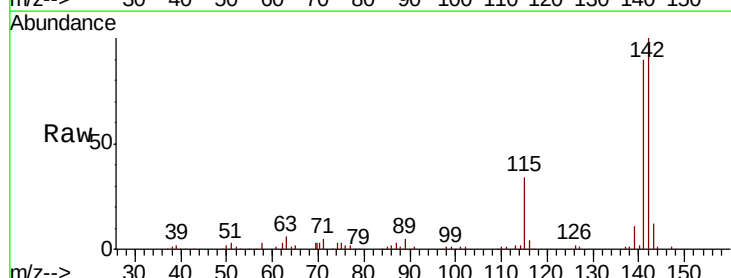
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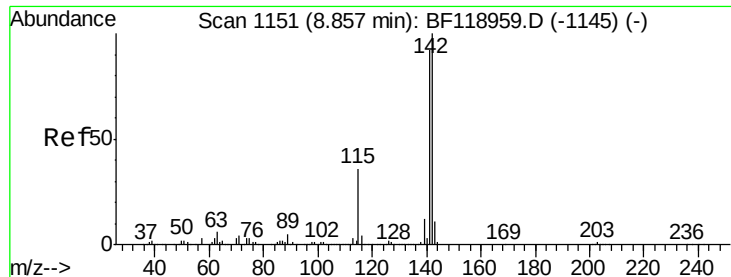
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#37
2-Methylnaphthalene
Concen: 6.159 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.3	108.5
115	33.8	30.6	45.8





#38

1-Methylnaphthalene

Concen: 4.137 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Instrument :

BNA_F

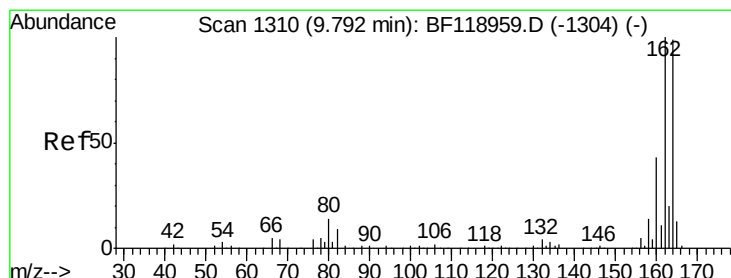
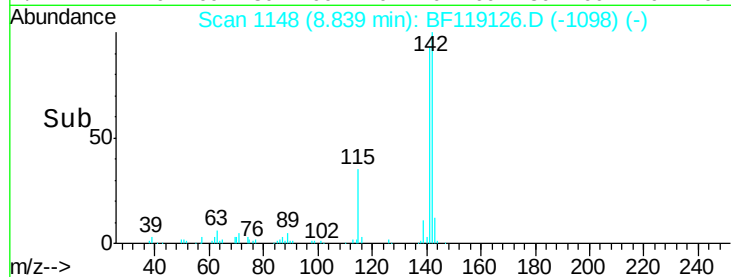
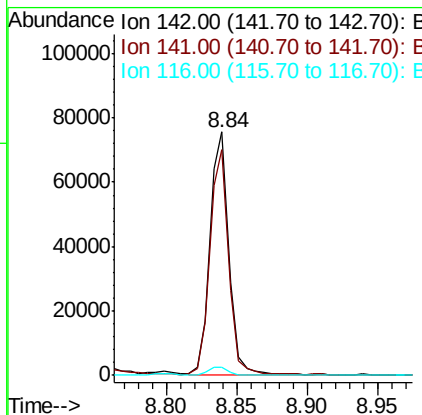
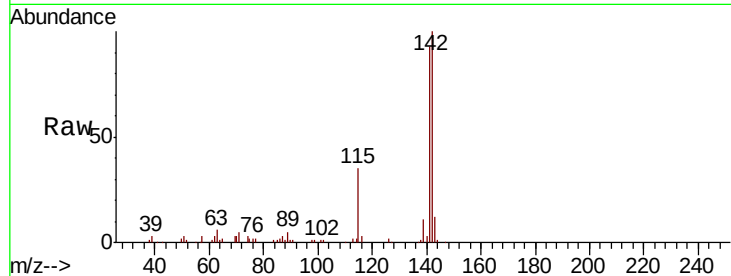
ClientSampleId :

FK-GF-02-052-A

Tot Ion:	142	Resp:	70804
Ion Ratio	Lower	Upper	
142	100		
141	92.7	75.8	113.6
116	3.4	3.1	4.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

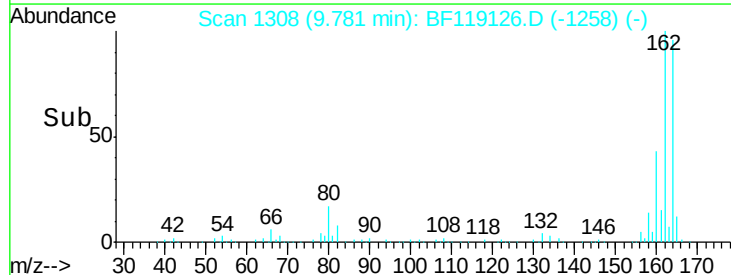
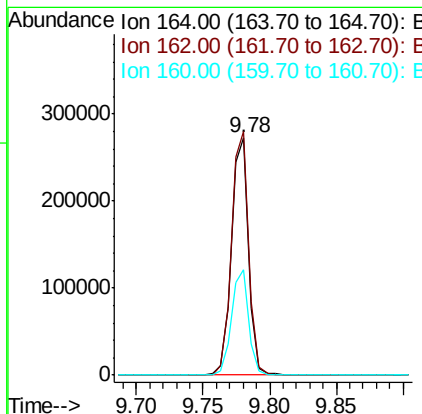
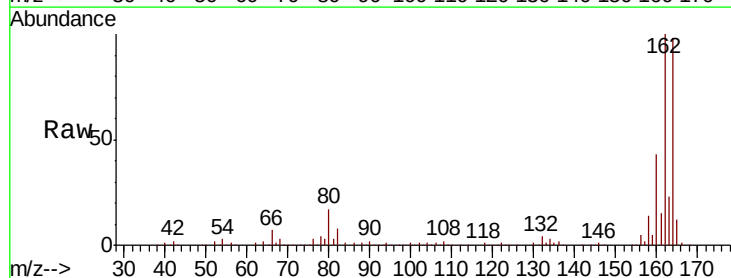
RT: 9.78 min Scan# 1308

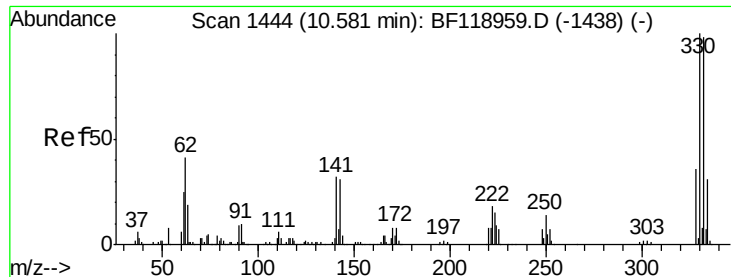
Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Tgt Ion:	164	Resp:	247466
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.8	122.8
160	44.2	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 67.786 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Instrument :

BNA_F

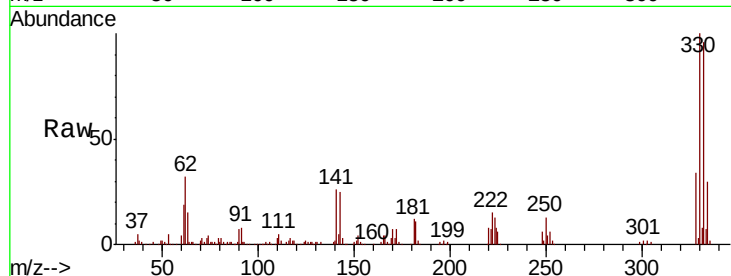
ClientSampleId :

FK-GF-02-052-A

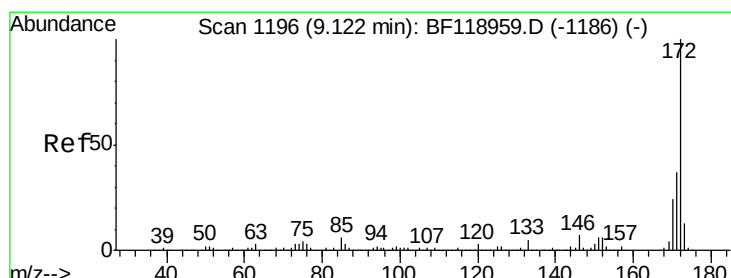
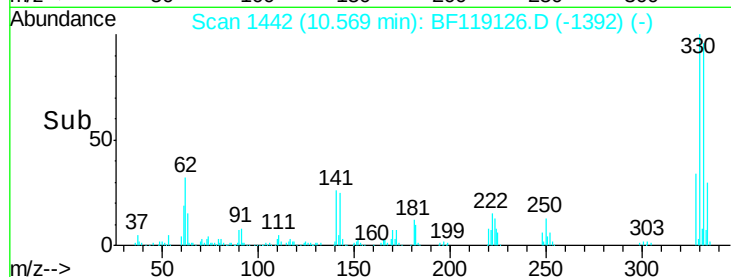
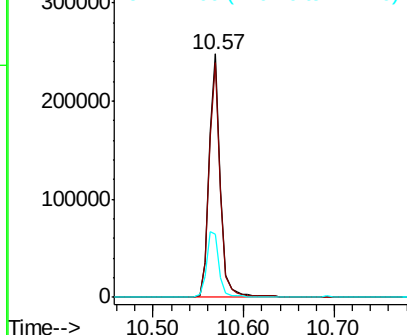
Tot Ion:	330	Resp:	219443
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.0	114.0
141	30.4	22.9	34.3

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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: 59.509 ng

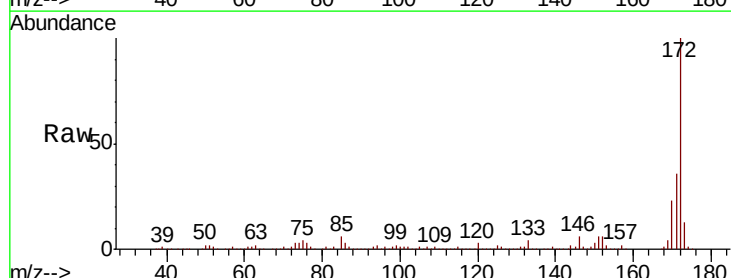
RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

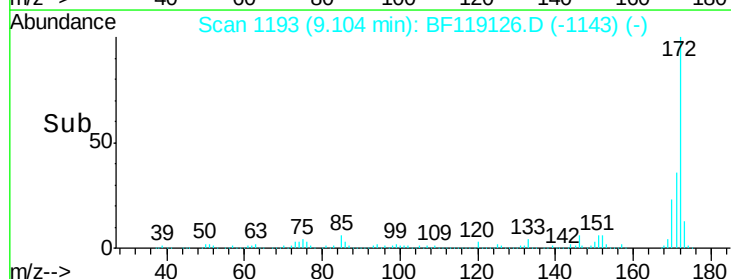
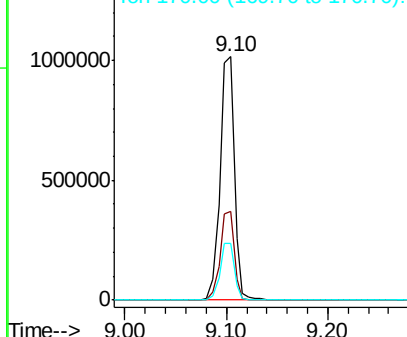
Lab File: BF119126.D

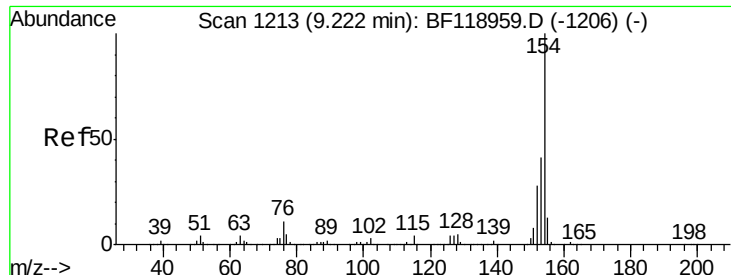
Acq: 28 Feb 2020 00:03

Tgt Ion:	172	Resp:	999645
Ion Ratio	Lower	Upper	
172	100		
171	36.4	30.6	45.8
170	23.5	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





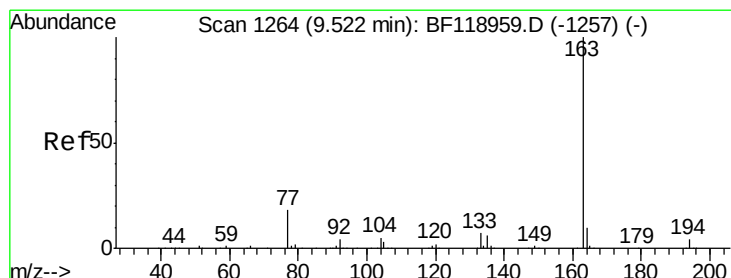
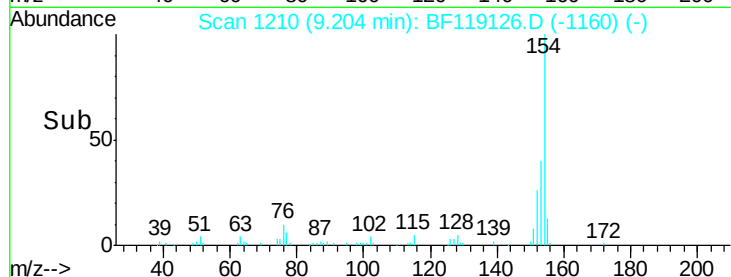
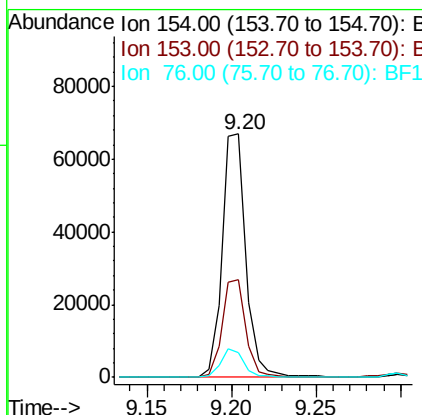
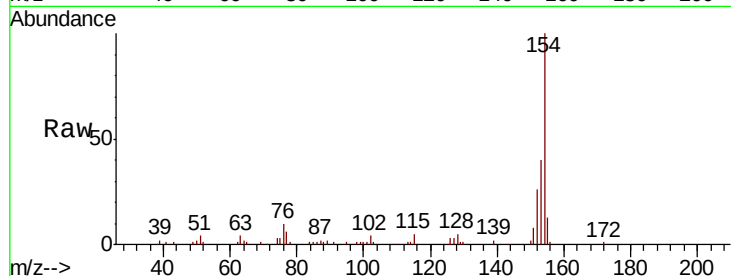
#46
 1,1'-Biphenyl
 Concen: 3.272 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	22.8	62.8
76	10.2	0.0	32.2

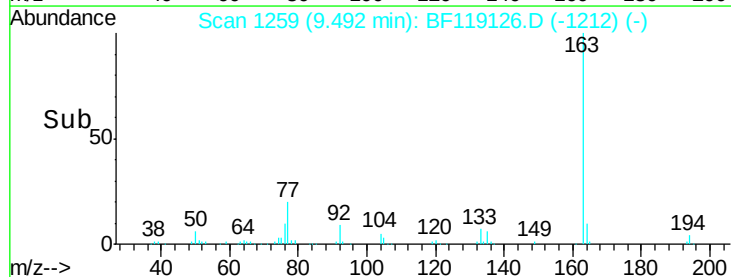
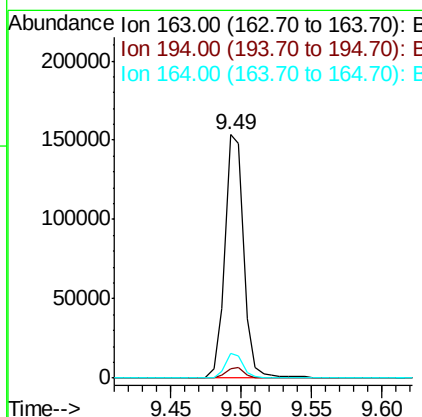
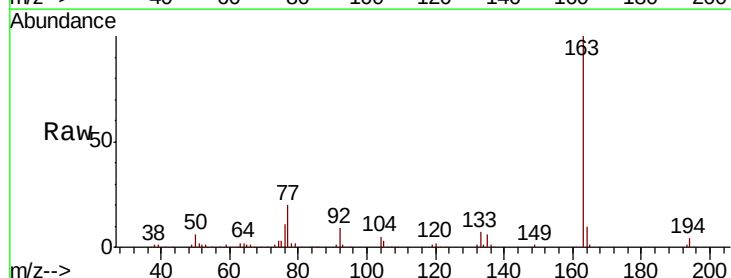
Manual Integrations
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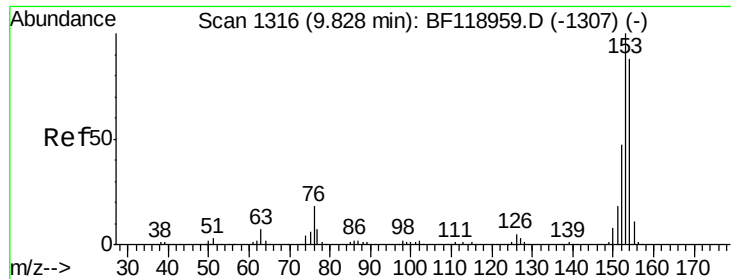
mohammad
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#50
 Dimethylphthalate
 Concen: 7.576 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	10.3	8.4	12.6





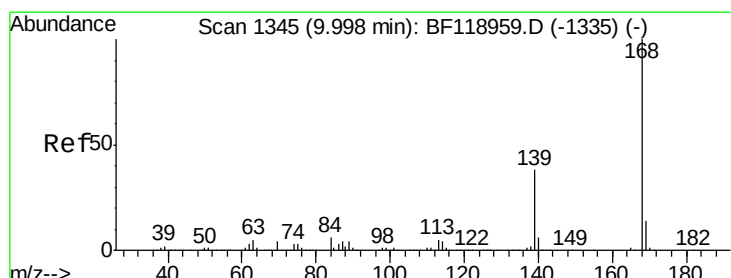
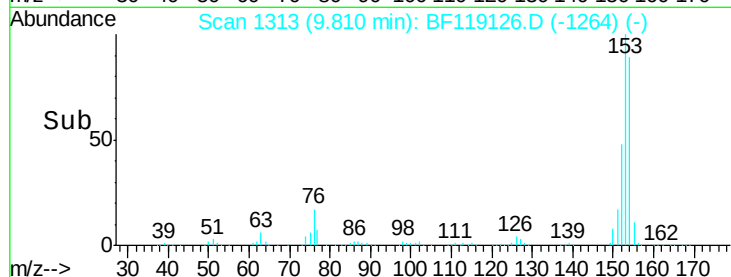
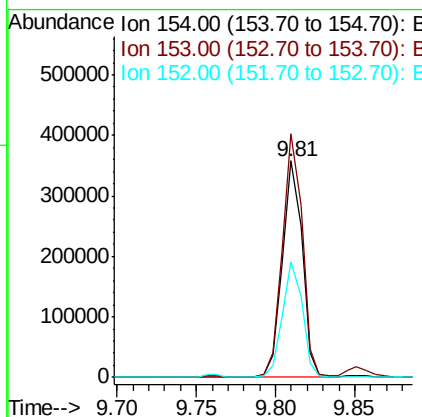
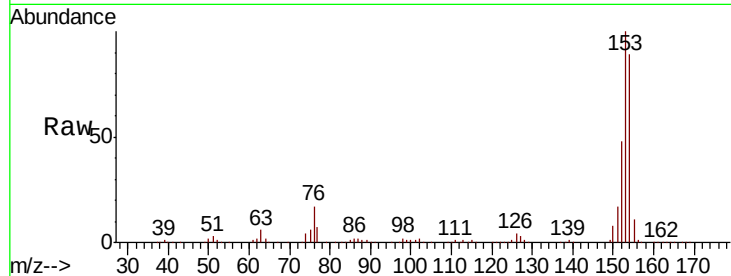
#52
Acenaphthene
Concen: 22.270 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.3	135.5
152	53.4	43.8	65.8

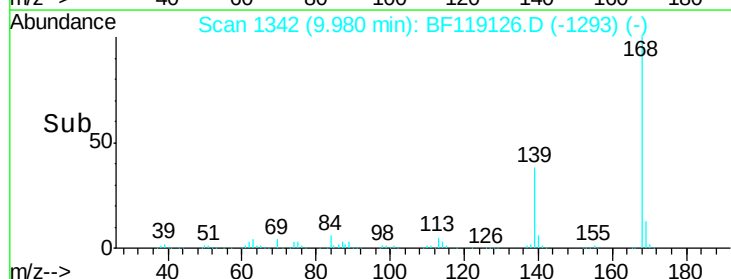
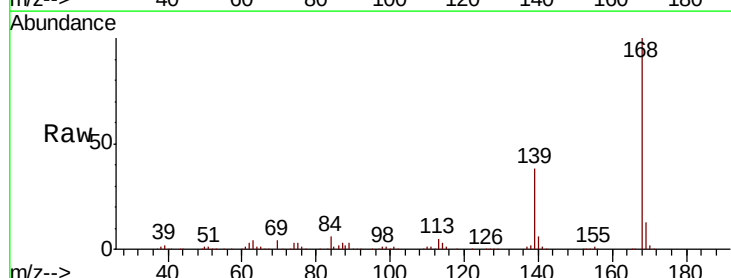
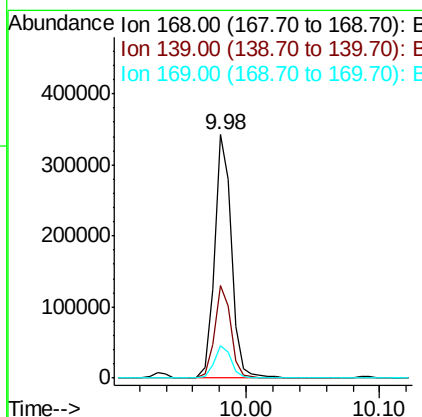
Manual Integrations
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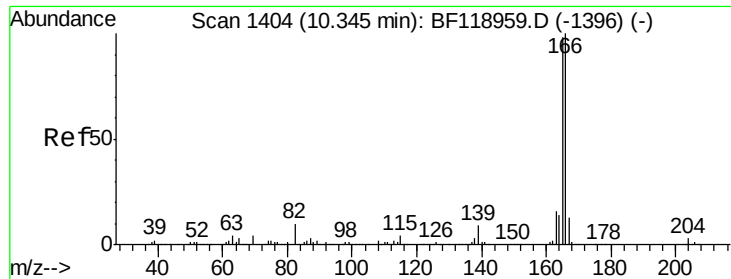
mohammad
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#55
Dibenzofuran
Concen: 14.686 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.0	34.0	51.0
169	13.5	11.0	16.4





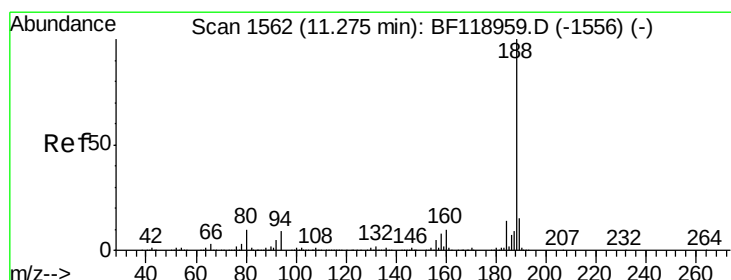
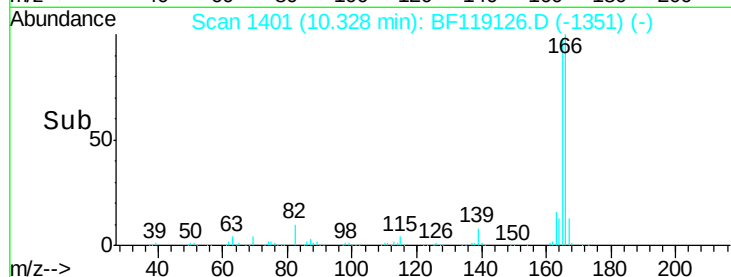
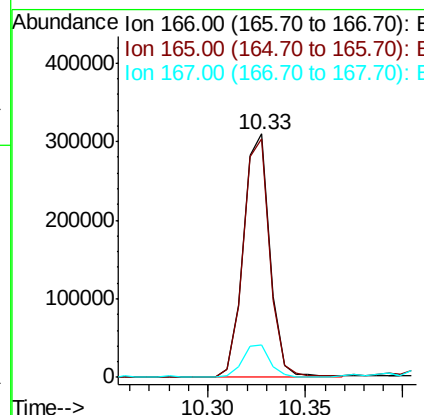
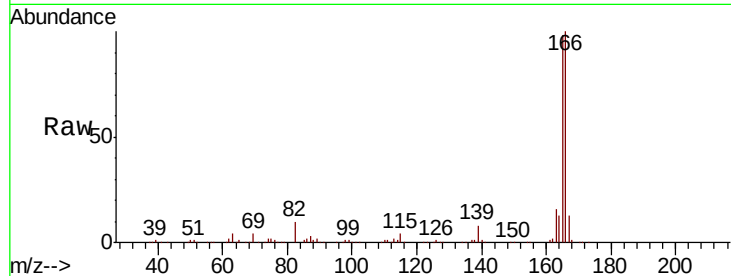
#58
 Fluorene
 Concen: 17.826 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	13.2	11.0	16.4

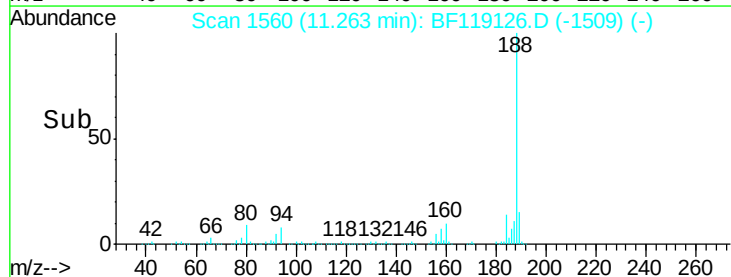
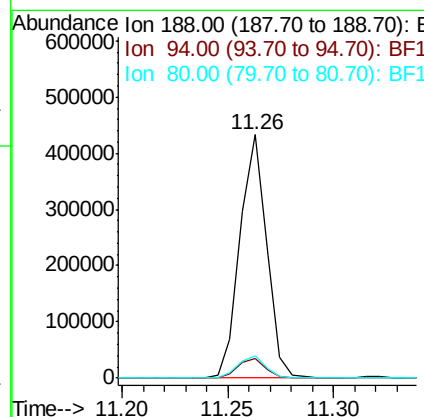
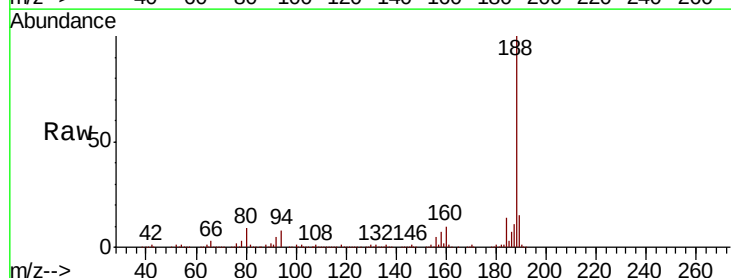
Manual Integrations
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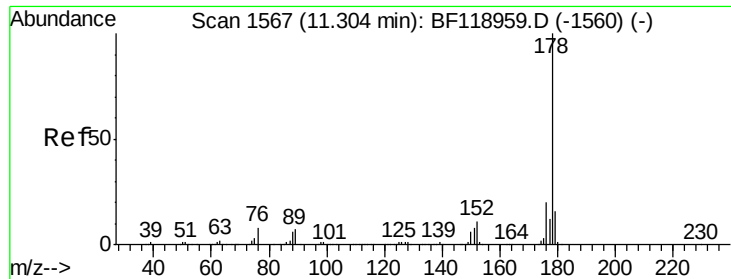
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.1	10.7
80	8.9	7.8	11.8





#71

Phenanthrene

Concen: 50.943 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-052-A

Tot Ion:178 Resp: 1050410

Ion Ratio Lower Upper

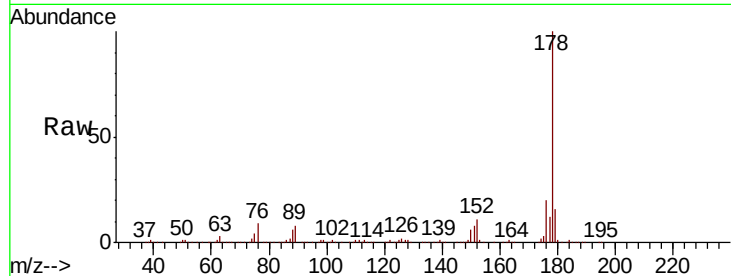
178 100

176 19.6 16.5 24.7

179 15.9 13.0 19.6

Manual Integrations
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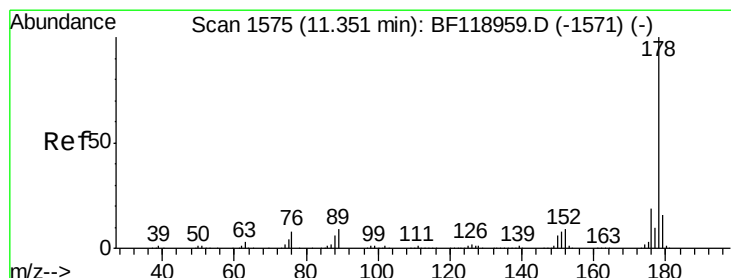
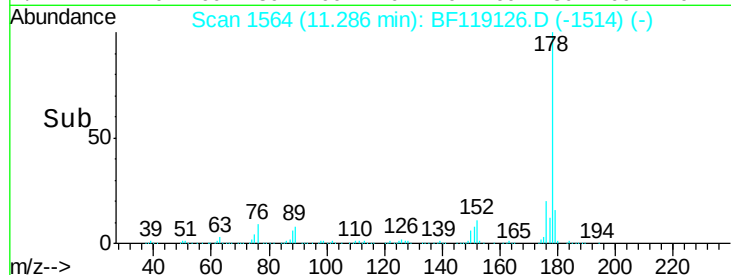
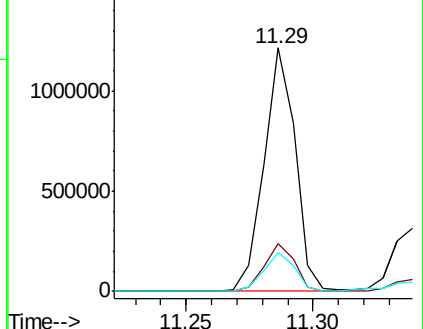
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 13.358 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Tgt Ion:178 Resp: 275209

Ion Ratio Lower Upper

178 100

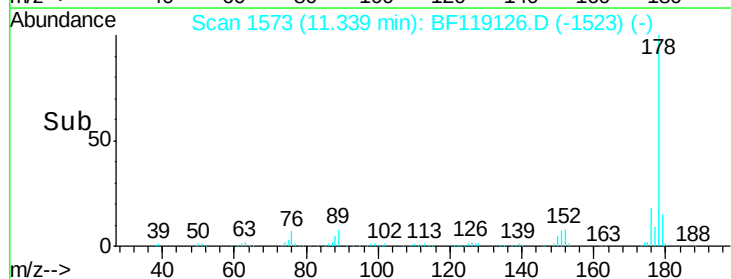
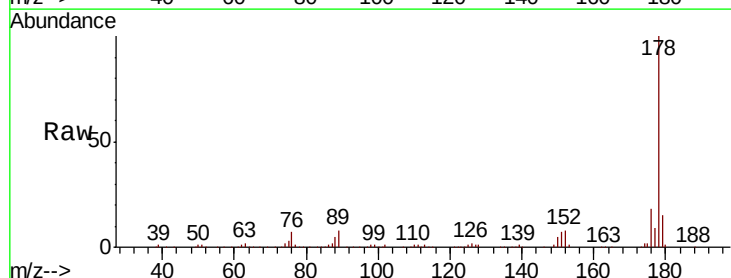
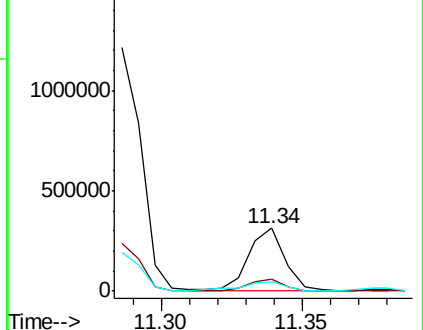
176 18.3 16.0 24.0

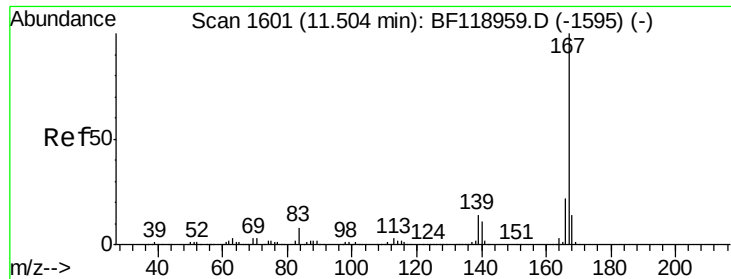
179 15.2 13.1 19.7

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





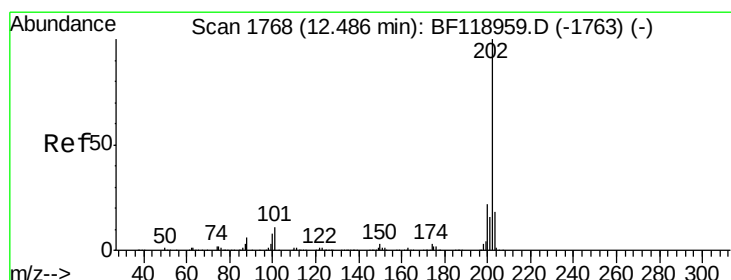
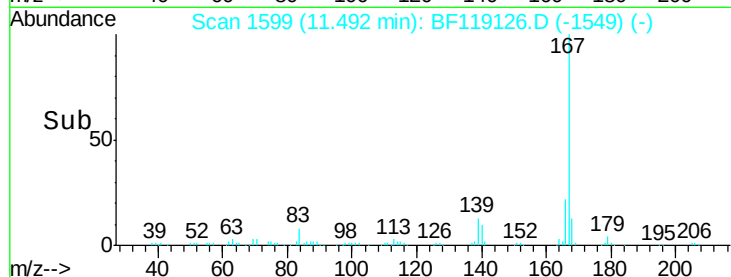
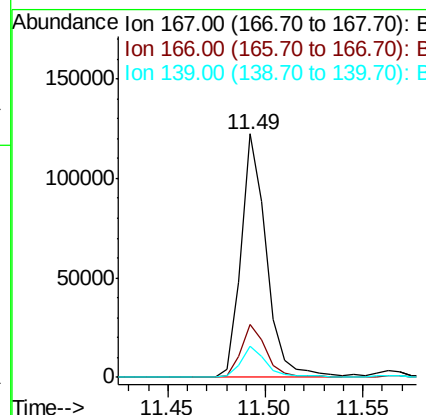
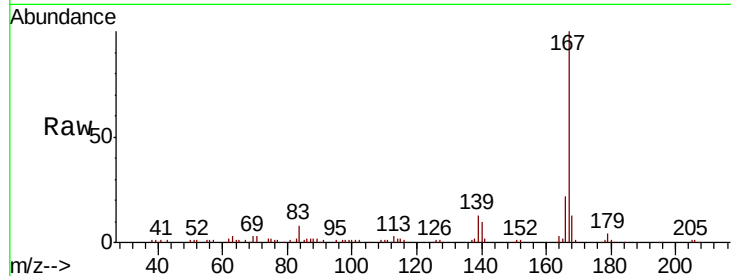
#73
 Carbazole
 Concen: 6.015 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	12.6	11.7	17.5

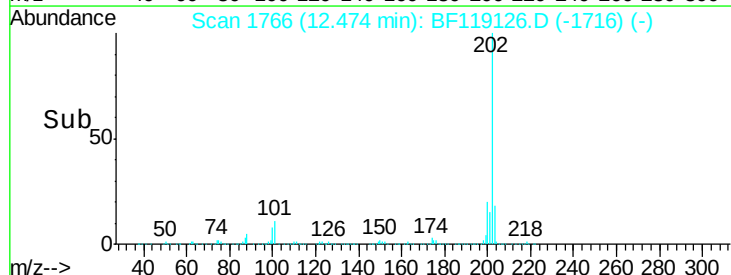
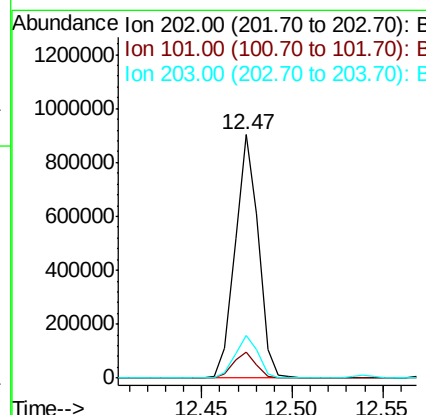
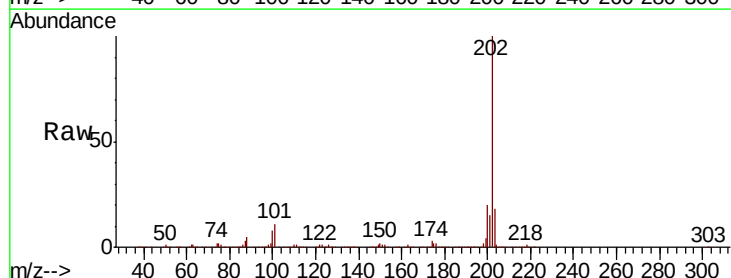
Manual Integrations
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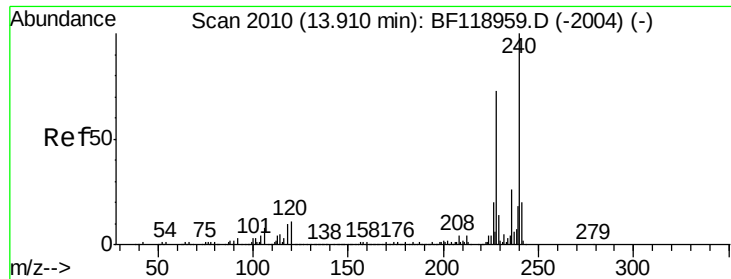
mohammad
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#75
 Fluoranthene
 Concen: 36.864 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.3
203	17.8	0.0	38.4





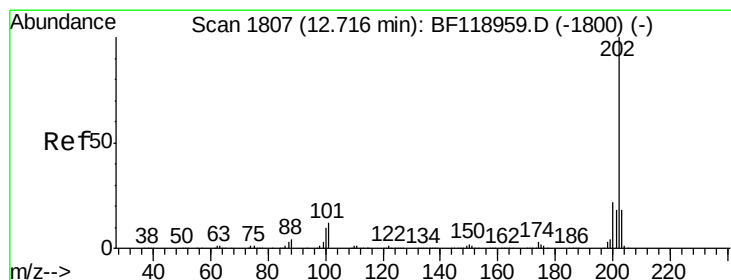
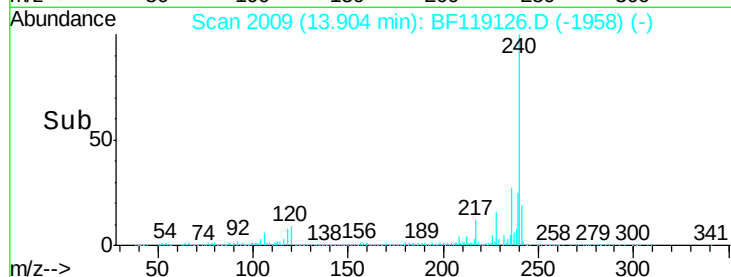
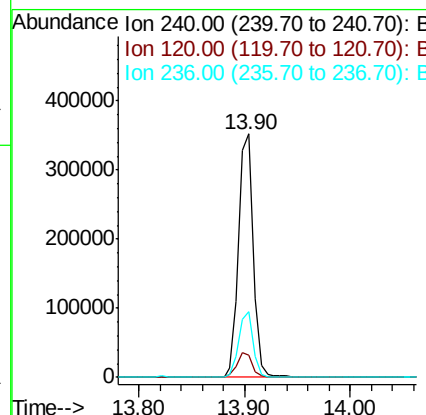
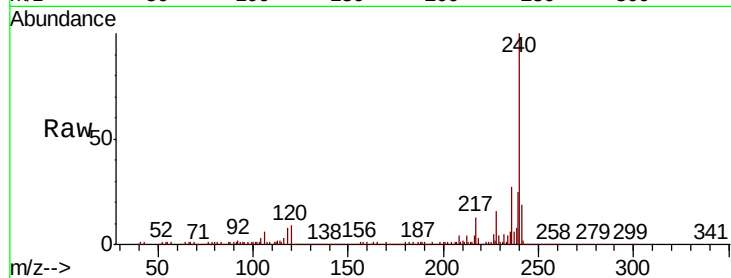
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.4	12.6
236	26.8	21.0	31.4

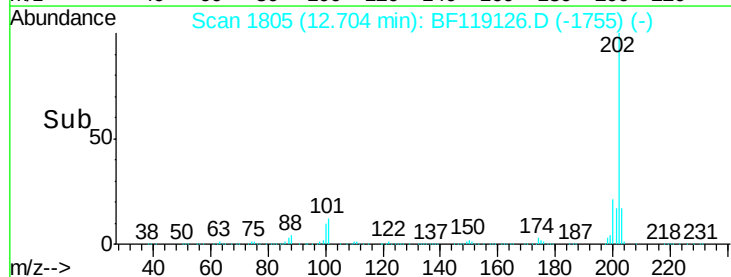
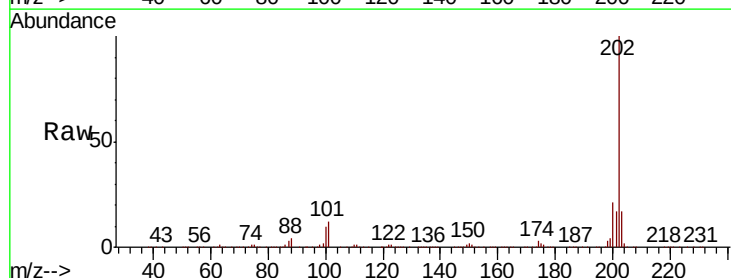
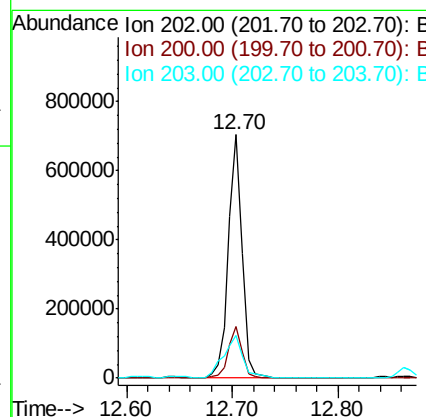
Manual Integrations
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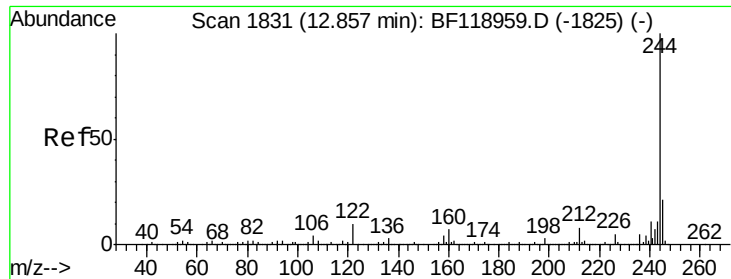
mohammad
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#78
Pyrene
Concen: 23.615 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	17.3	14.6	22.0





#79

Terphenyl-d14

Concen: 47.503 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Instrument :

BNA_F

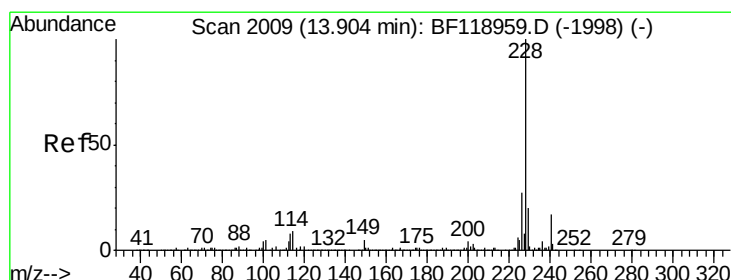
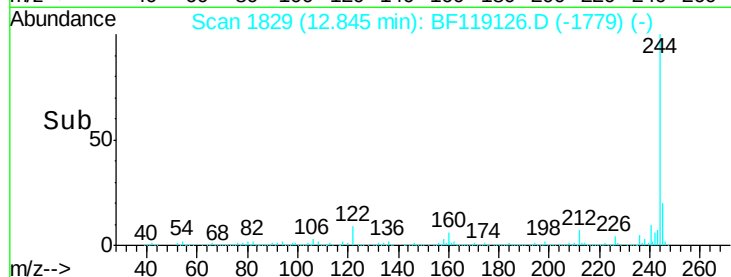
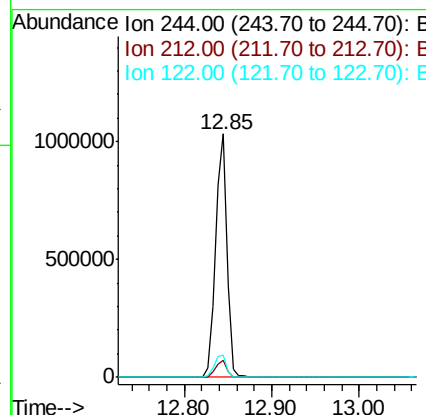
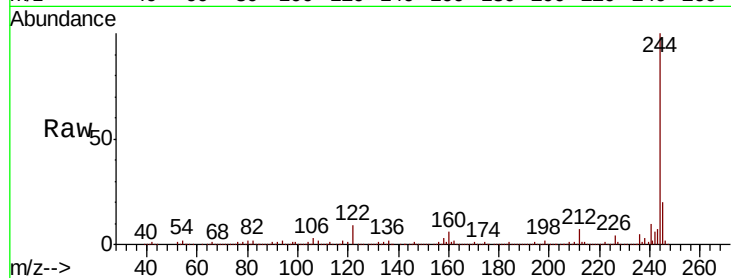
ClientSampleId :

FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.6	10.0
122	9.2	8.2	12.2

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 14.255 ng

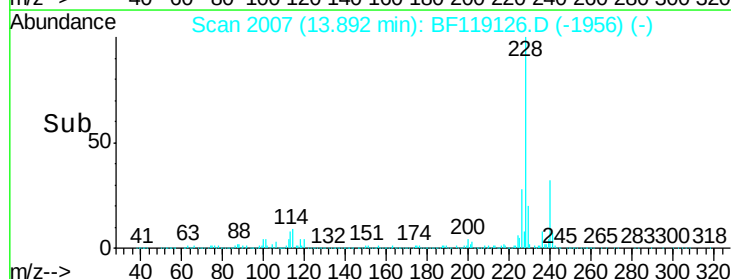
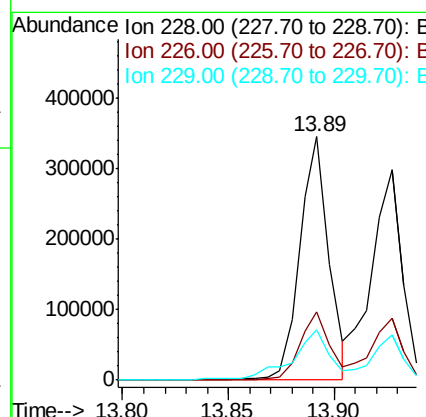
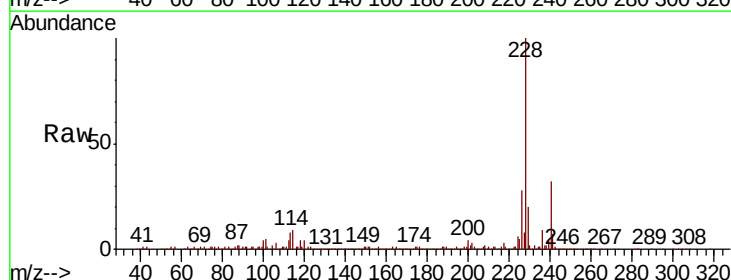
RT: 13.89 min Scan# 2007

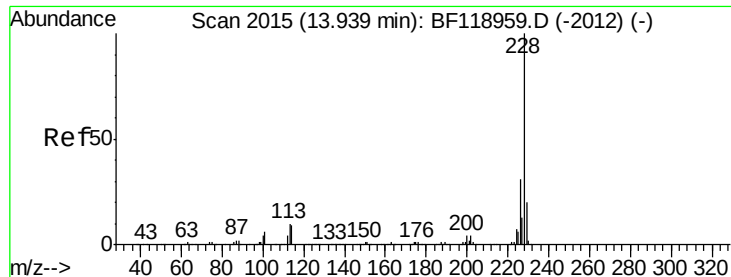
Delta R.T. -0.00 min

Lab File: BF119126.D

Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.4	16.6	24.8





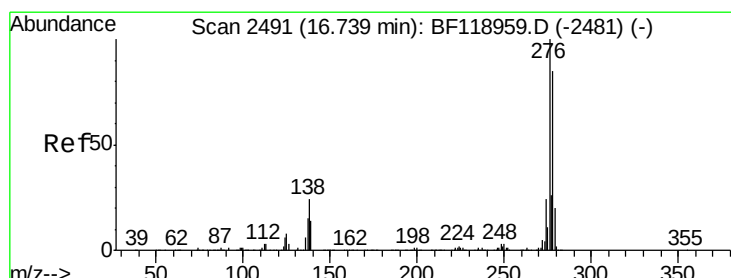
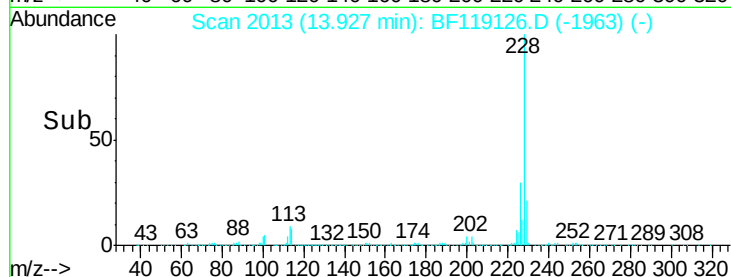
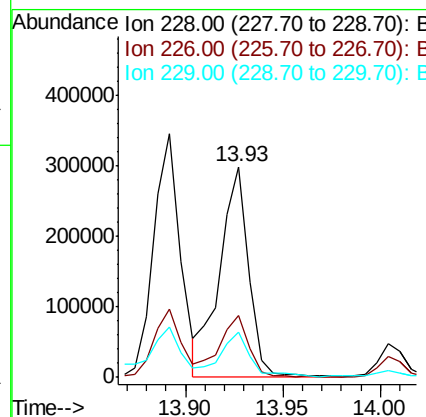
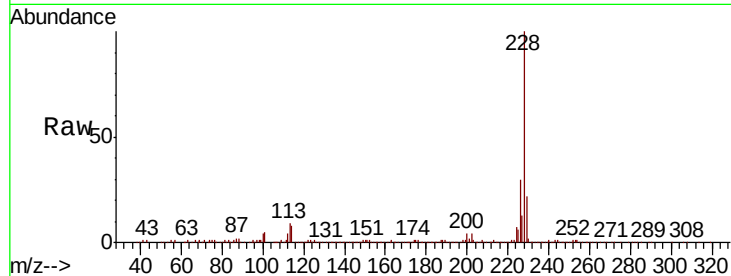
#83
Chrysene
Concen: 13.419 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion:	228	Resp:	307678
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.1	37.7
229	21.7	16.3	24.5

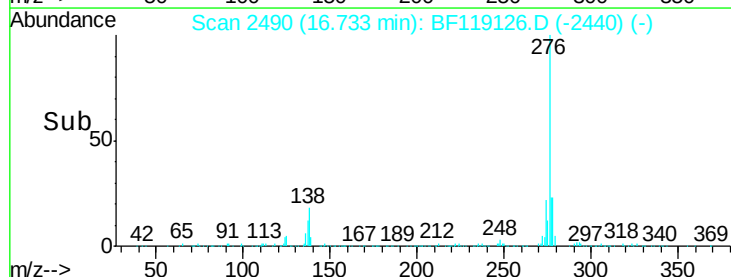
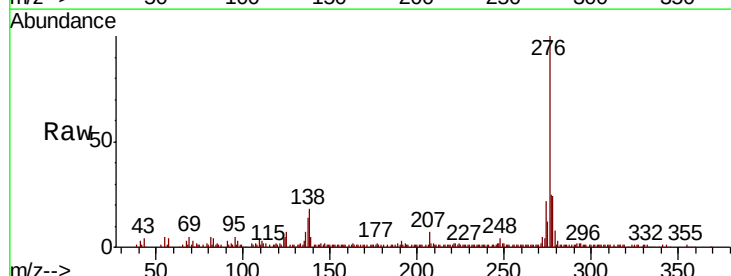
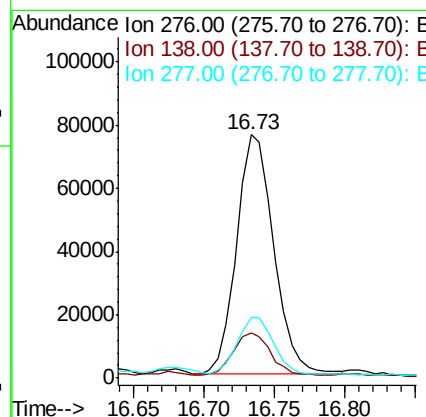
Manual Integrations
APPROVED

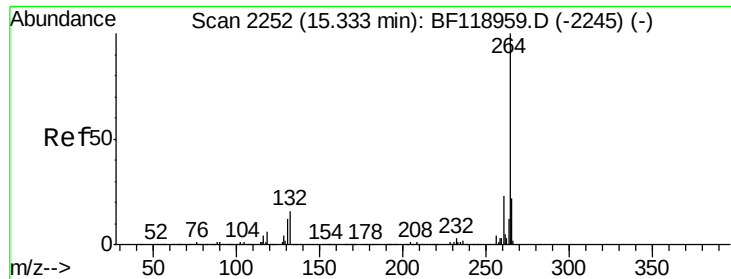
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.238 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion:	276	Resp:	138487
Ion Ratio	Lower	Upper	
276	100		
138	18.4	17.4	26.0
277	25.4	20.3	30.5





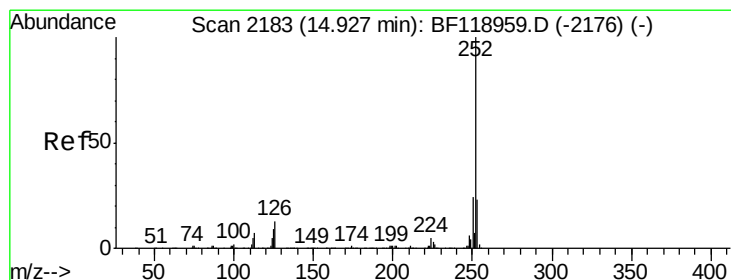
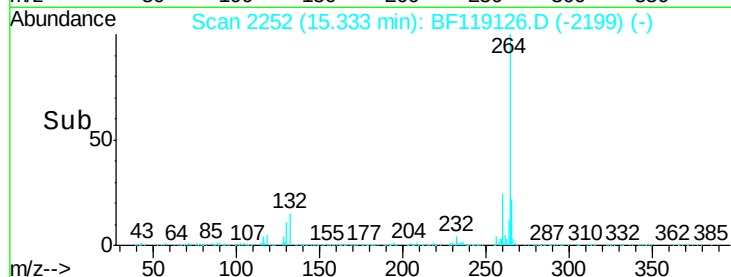
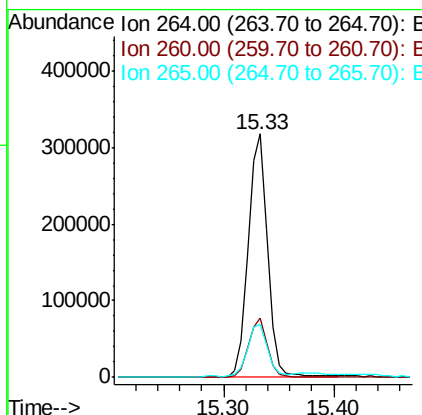
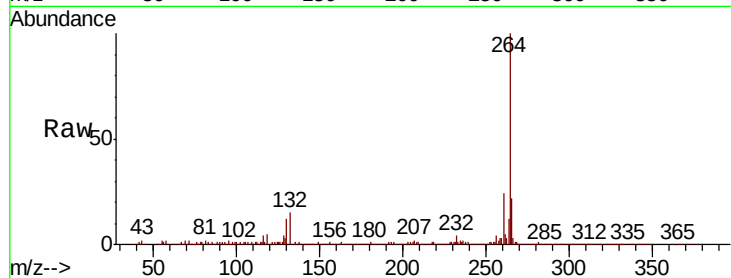
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.0	17.7	26.5

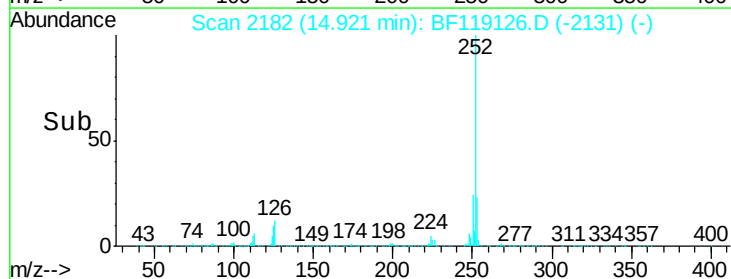
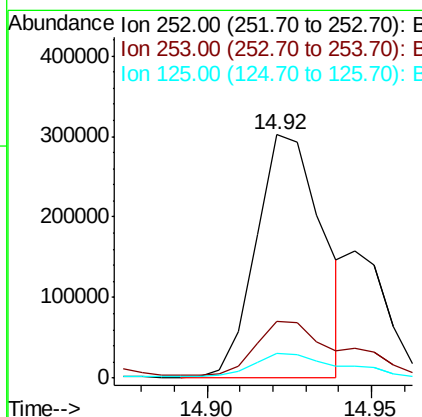
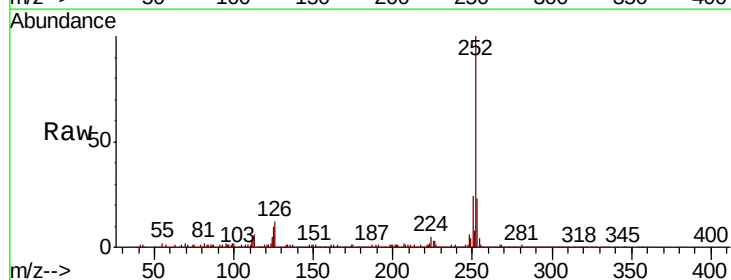
Manual Integrations
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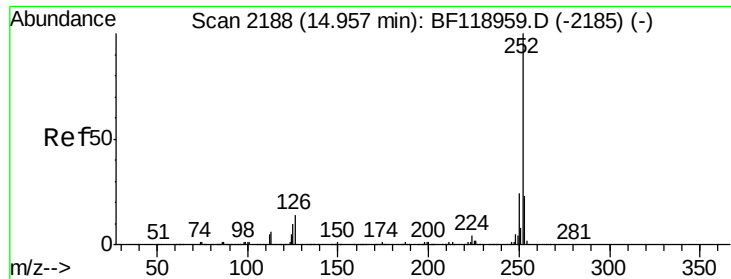
mohammad
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#88
Benzo(b)fluoranthene
Concen: 16.327 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	10.0	7.4	11.0





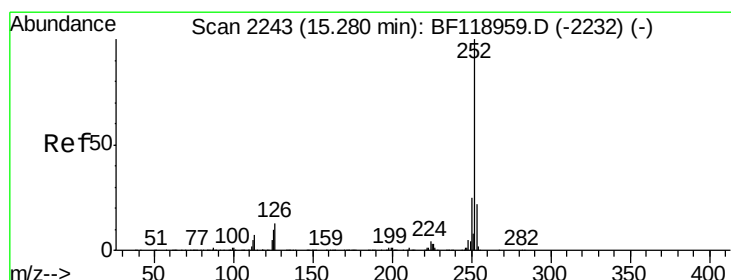
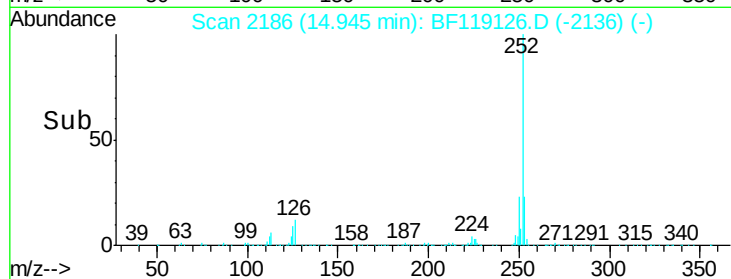
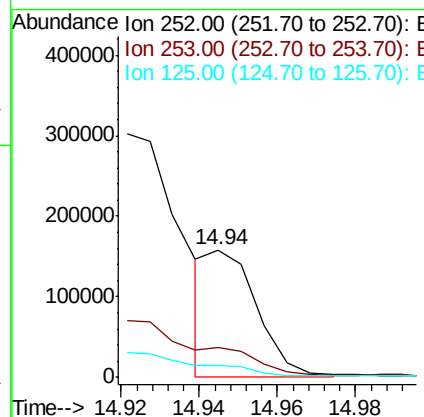
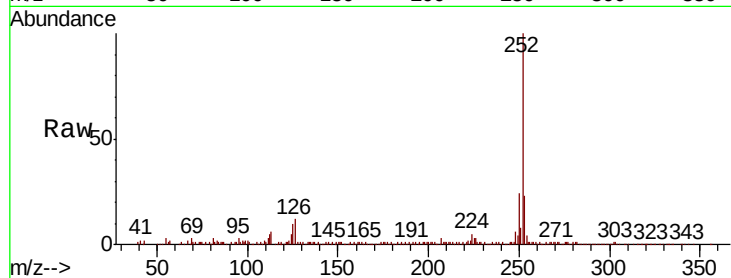
#89
Benzo(k)fluoranthene
Concen: 5.758 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-052-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	9.6	7.5	11.3

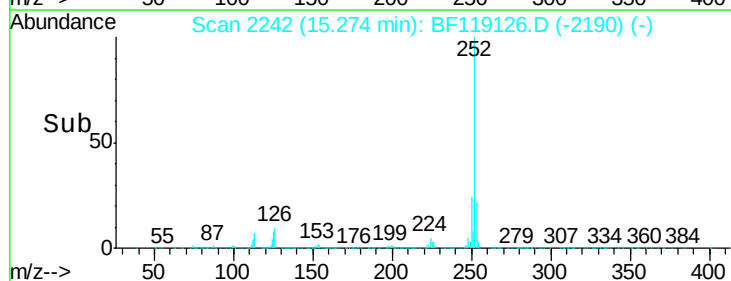
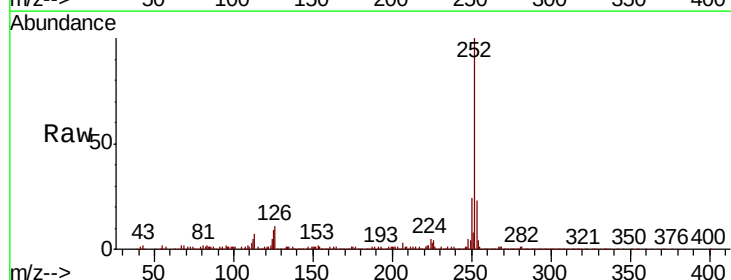
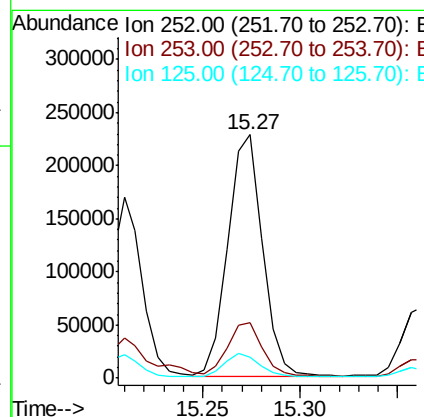
Manual Integrations
APPROVED

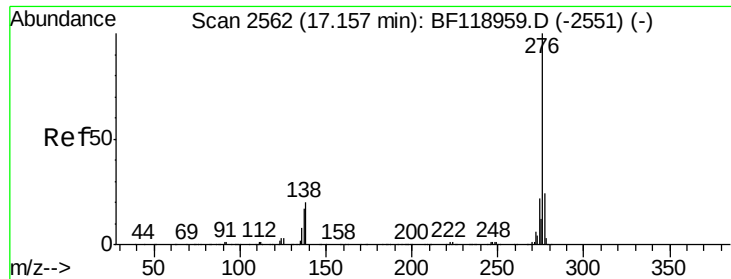
mohammad
2/28/2020 2:41:54 PM



#90
Benzo(a)pyrene
Concen: 12.197 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF119126.D
Acq: 28 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	8.7	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.257 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BF119126.D
 Acq: 28 Feb 2020 00:03

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-052-A

Tot Ion:	276	Resp:	126559
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.7	28.1
138	19.2	14.3	21.5

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:41:54 PM

