

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
 Data File : BF121216.D
 Acq On : 6 Aug 2020 22:14
 Operator : JU/CG
 Sample : L3574-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-060-B

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Quant Time: Aug 07 02:36:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	142268	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	539472	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	277892	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	504959	20.00	ng	0.00
76) Chrysene-d12	13.96	240	342458	20.00	ng	0.00
86) Perylene-d12	15.42	264	366300	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	338441	39.00	ng	-0.01
7) Phenol-d6	6.43	99	411525	36.71	ng	-0.02
23) Nitrobenzene-d5	7.35	82	260227	27.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	113009	37.15	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	519084	27.89	ng	-0.01
79) Terphenyl-d14	12.90	244	432748	27.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.55	163	67877	3.386	ng	99
71) Phenanthrene	11.34	178	54490	2.098	ng	98
75) Fluoranthene	12.53	202	149645	5.199	ng	99
78) Pyrene	12.76	202	143355	5.921	ng	98
81) Benzo(a)anthracene	13.95	228	82116	3.960	ng	95
83) Chrysene	13.99	228	78922	3.621	ng	96
87) Indeno(1,2,3-cd)pyrene	16.84	276	51560	2.024	ng	96
88) Benzo(b)fluoranthene	14.99	252	123253m	5.567	ng	
90) Benzo(a)pyrene	15.35	252	87192	4.316	ng	97
92) Benzo(g,h,i)perylene	17.27	276	48446	2.361	ng	96

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

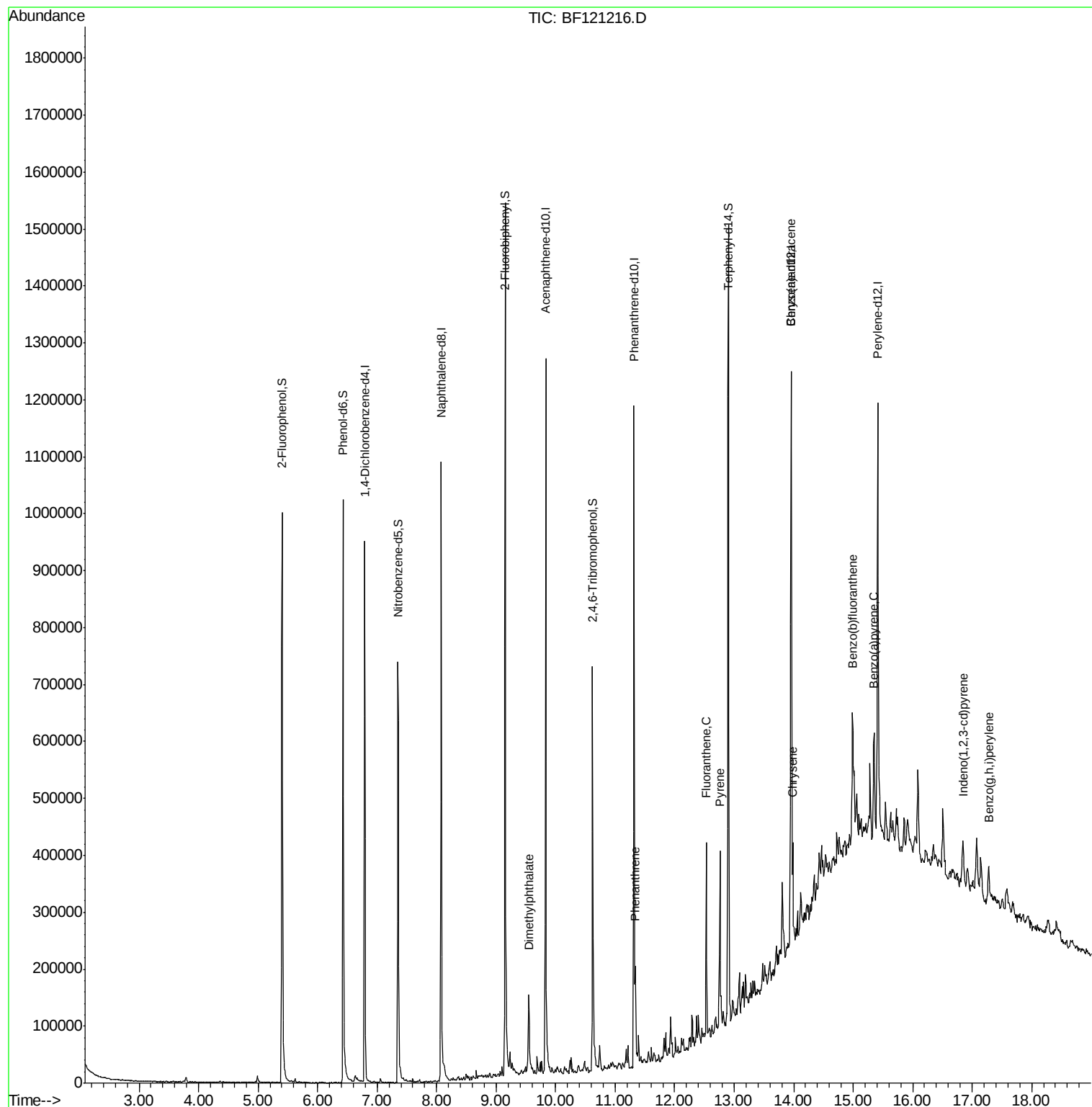
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121216.D
Acq On : 6 Aug 2020 22:14
Operator : JU/CG
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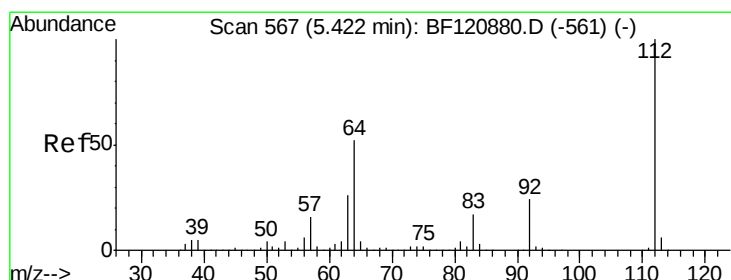
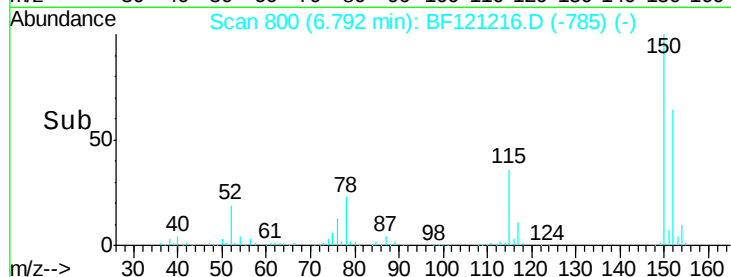
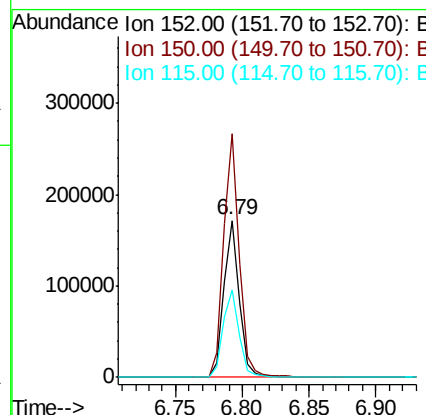
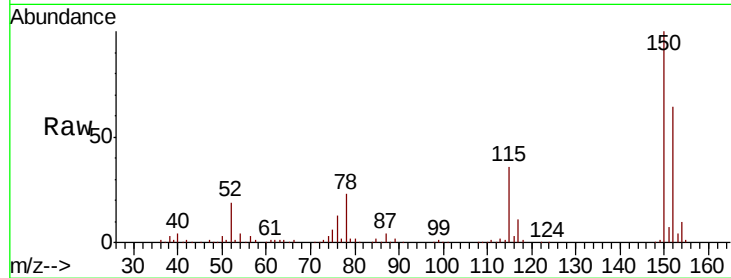
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-060-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.6	188.4
115	56.1	46.2	69.2

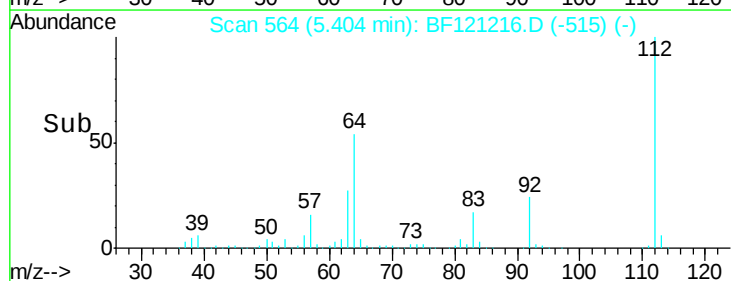
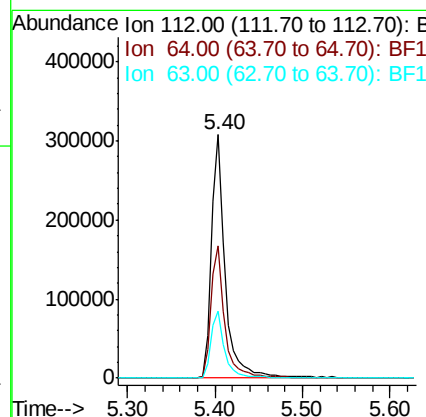
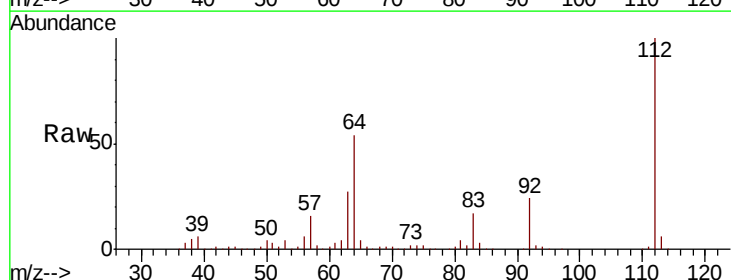
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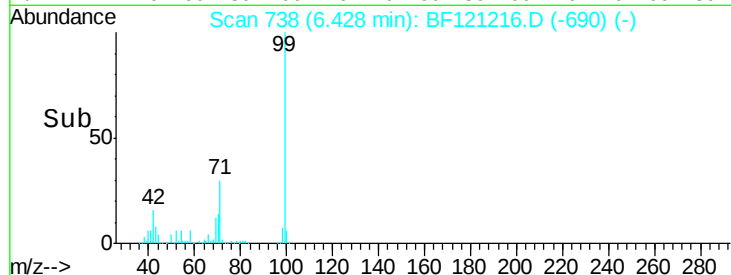
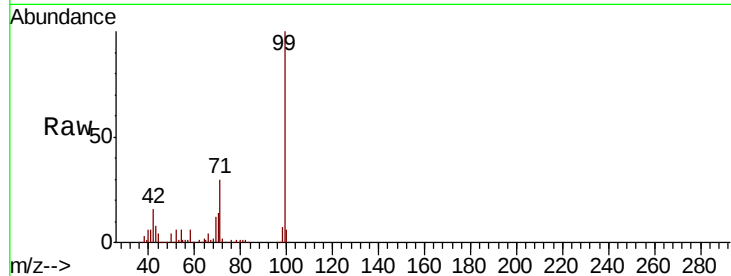
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#5
 2-Fluorophenol
 Concen: 38.999 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.9	65.9
63	27.3	22.7	34.1





#7

Phenol-d6

Concen: 36.710 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121216.D

Acq: 6 Aug 2020 22:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		411525		
42	16.3	13.5	20.3		
71	29.6	25.0	37.4		

Instrument :

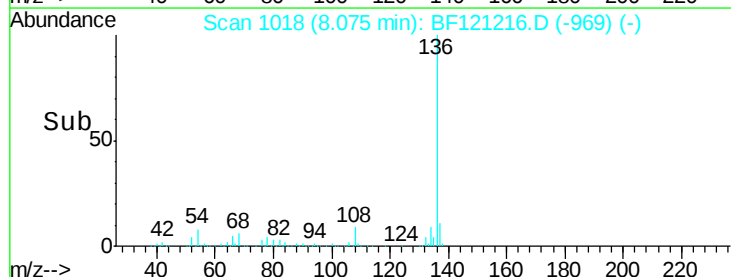
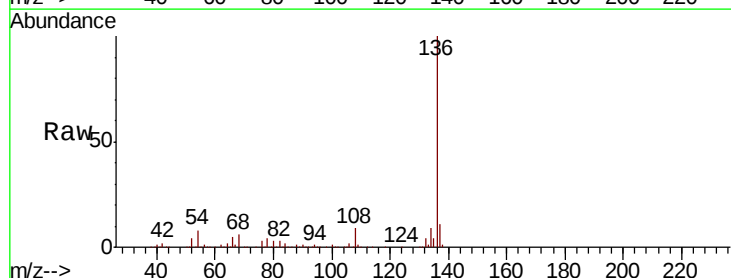
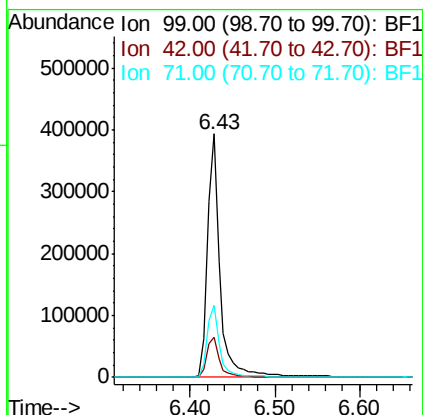
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

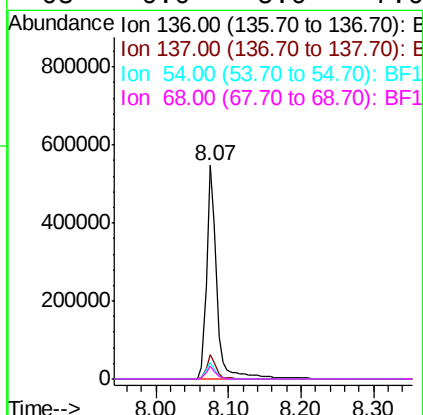
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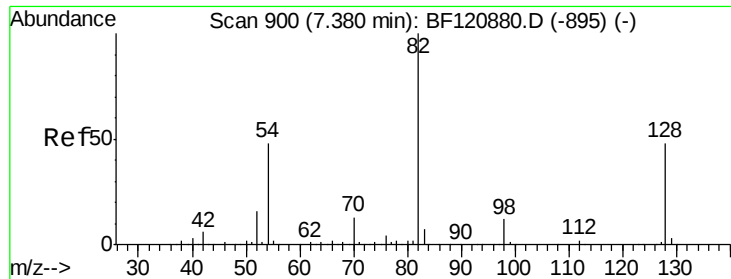
Delta R.T. -0.01 min

Lab File: BF121216.D

Acq: 6 Aug 2020 22:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		539472		
137	11.2	9.0	13.4		
54	7.8	6.1	9.1		
68	6.0	5.0	7.6		





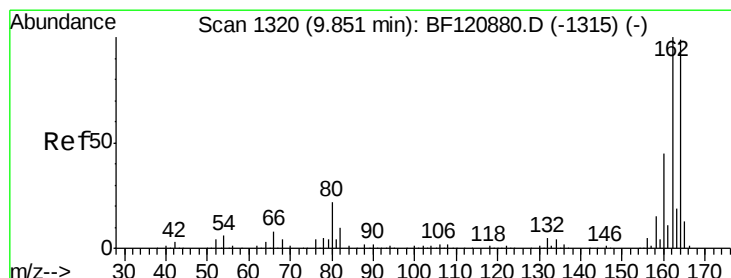
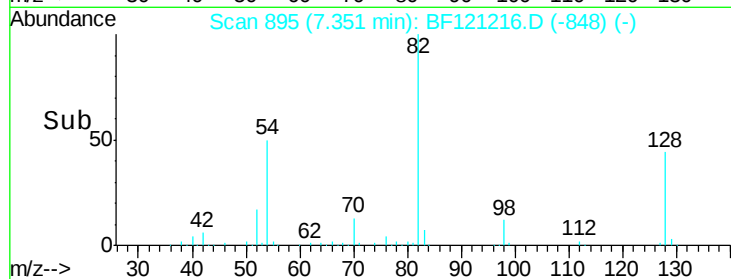
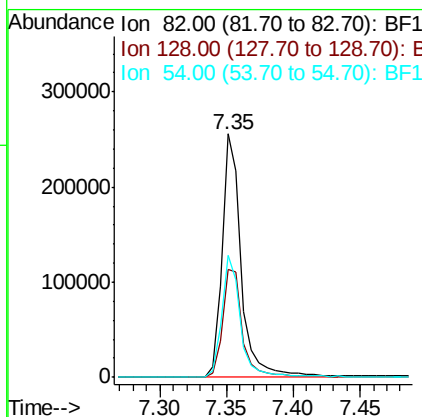
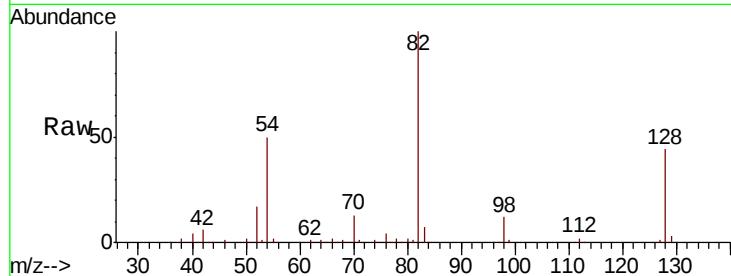
#23
 Nitrobenzene-d5
 Concen: 27.912 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-060-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	39.2	58.8
54	50.3	37.8	56.8

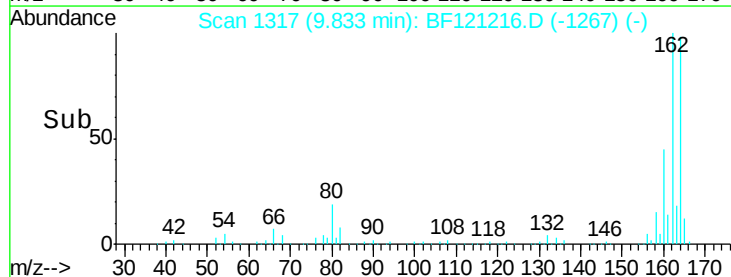
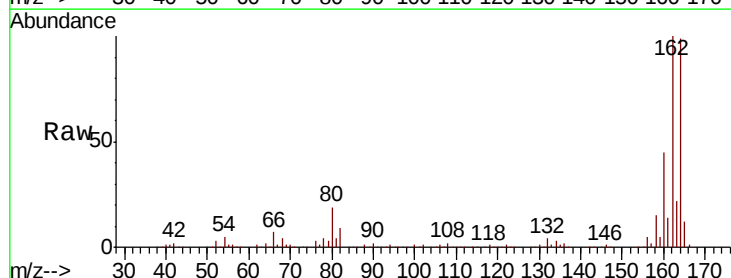
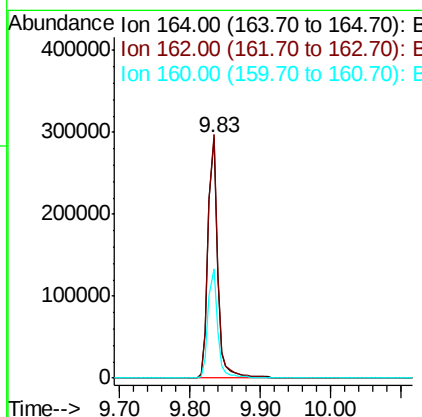
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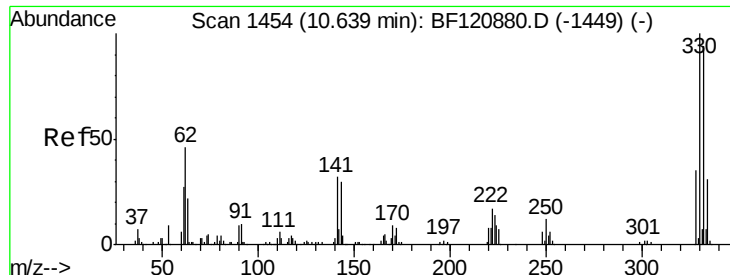
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.2
160	45.6	37.2	55.8





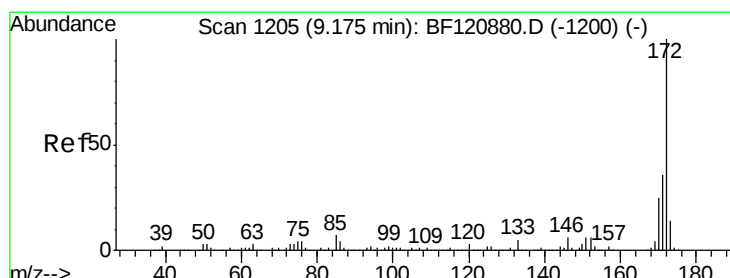
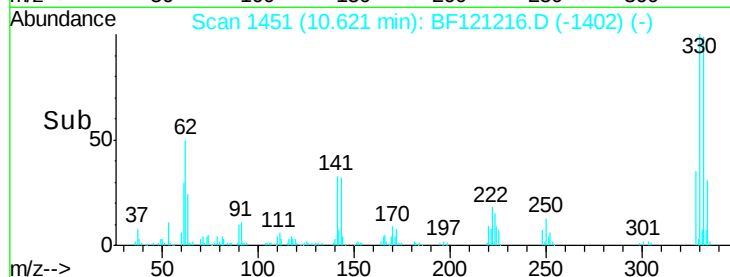
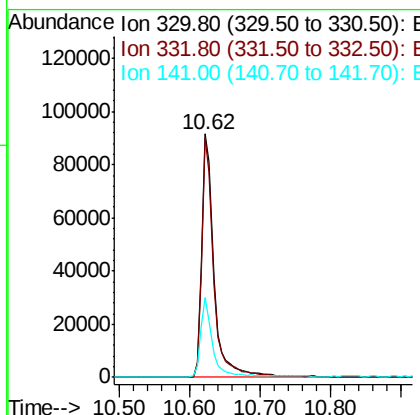
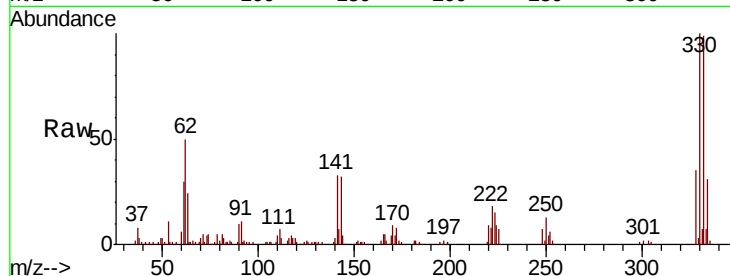
#42
 2,4,6-Tribromophenol
 Concen: 37.152 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-060-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.1	114.1
141	33.0	24.1	36.1

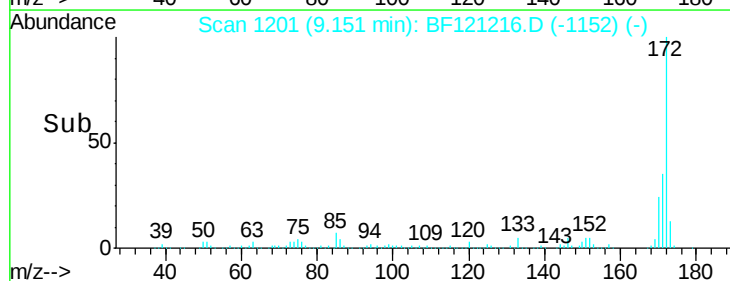
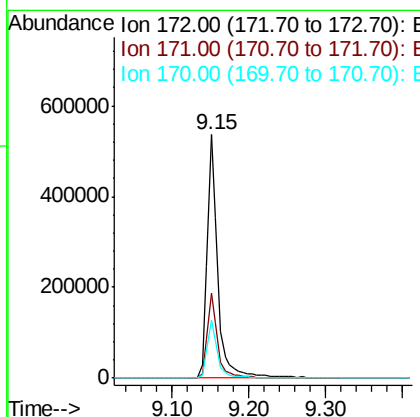
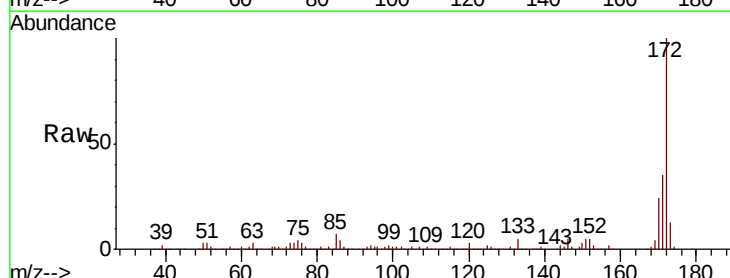
Manual Integrations
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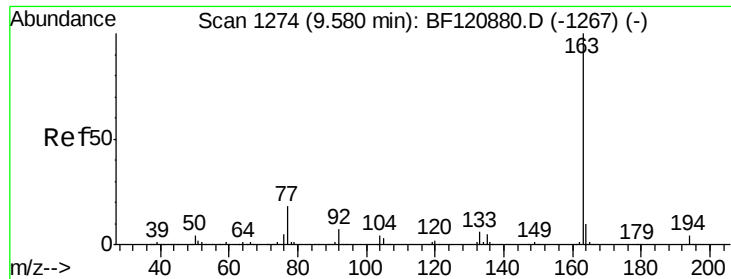
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#45
 2-Fluorobiphenyl
 Concen: 27.889 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.8	19.6	29.4





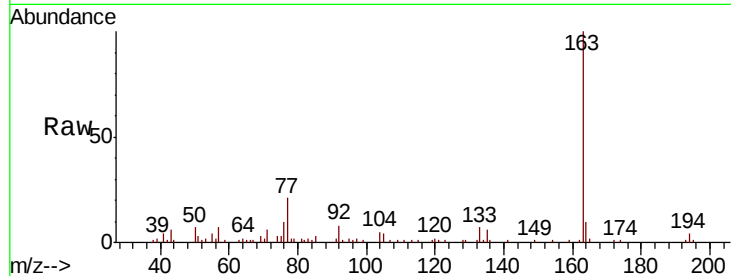
#50
Dimethylphthalate
Concen: 3.386 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-060-B

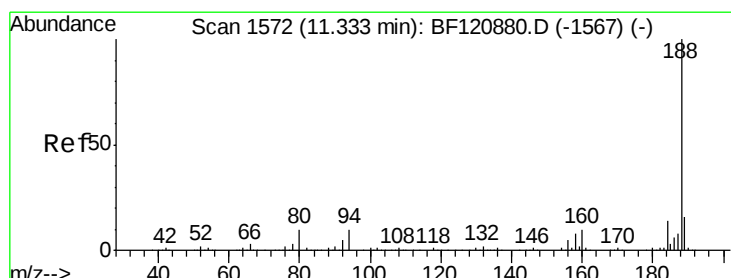
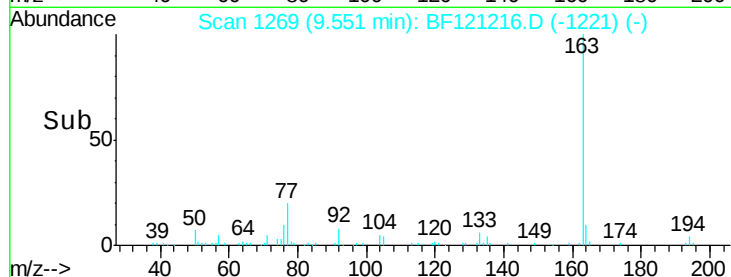
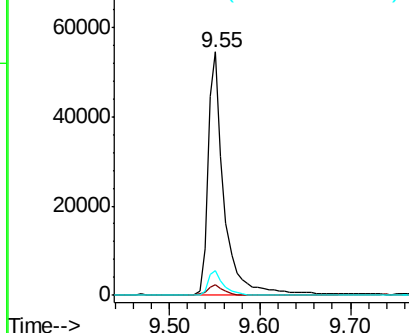
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	10.0	8.4	12.6

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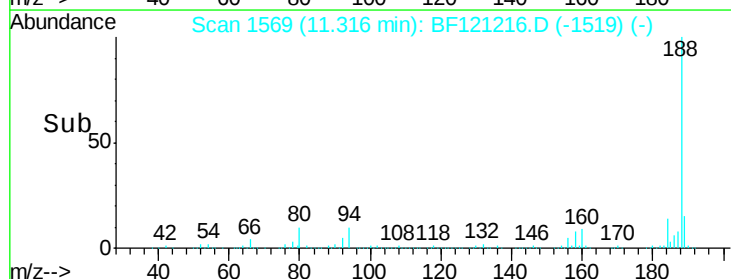
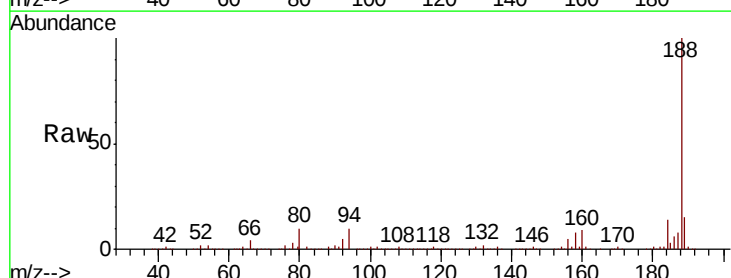
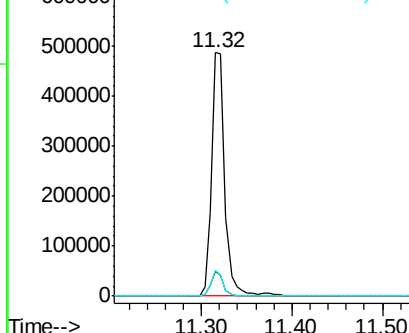
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

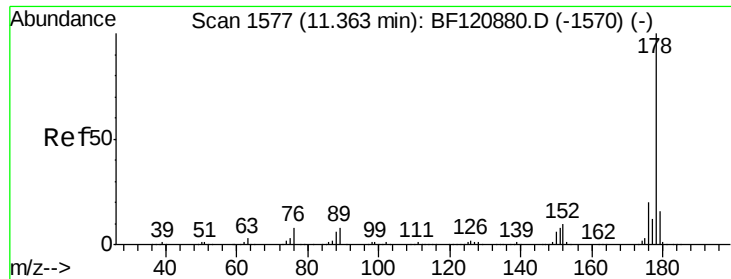


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.5	8.3	12.5

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





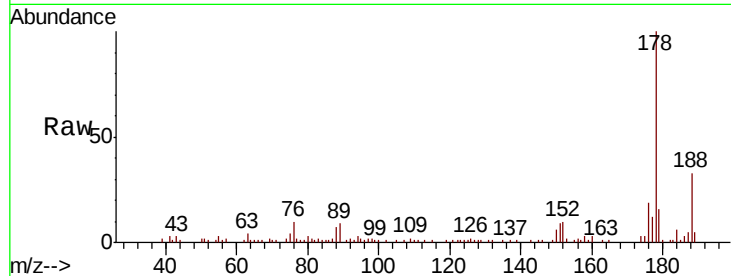
#71
Phenanthrene
Concen: 2.098 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-060-B

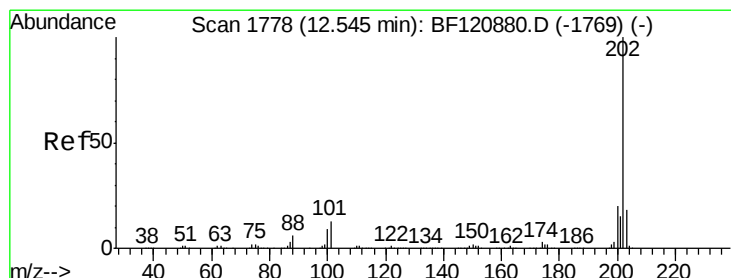
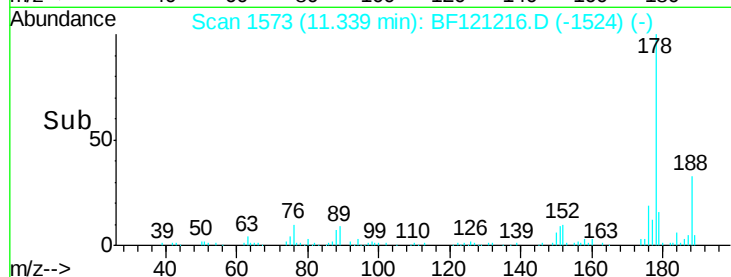
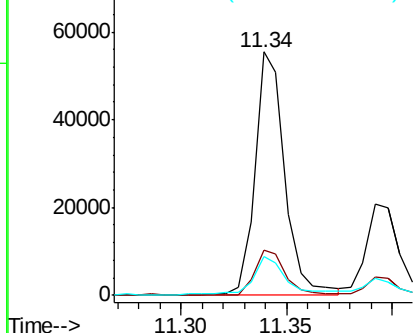
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	16.1	12.6	19.0

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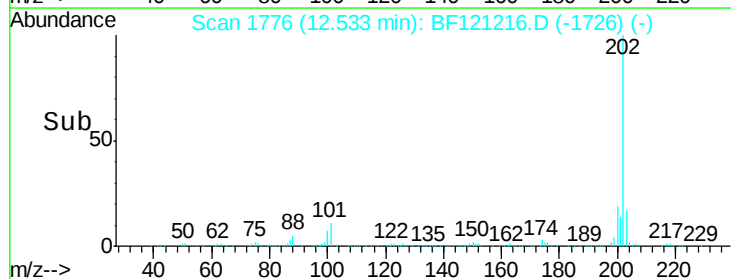
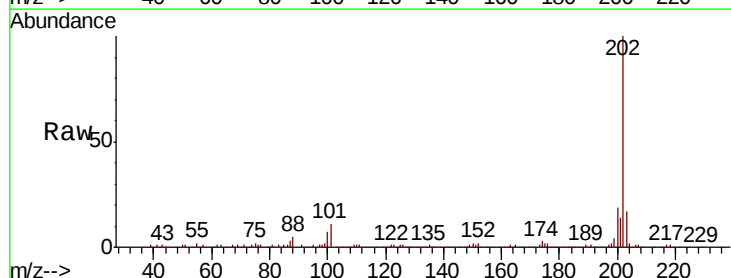
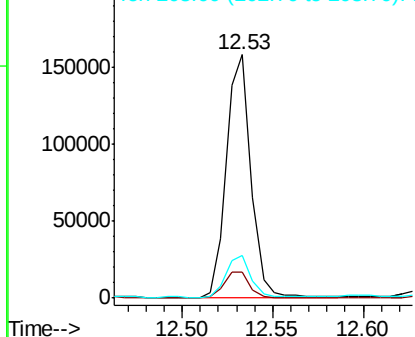
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

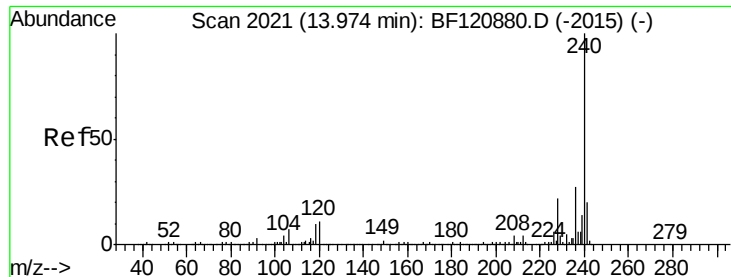


#75
Fluoranthene
Concen: 5.199 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.5
203	17.4	0.0	37.7

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: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF121216.D

Acq: 6 Aug 2020 22:14

Instrument :

BNA_F

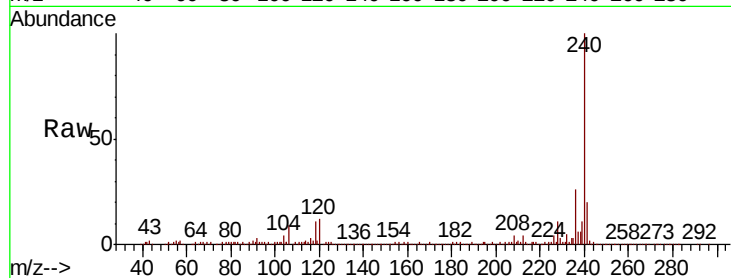
ClientSampleId :

FK-GF-02-060-B

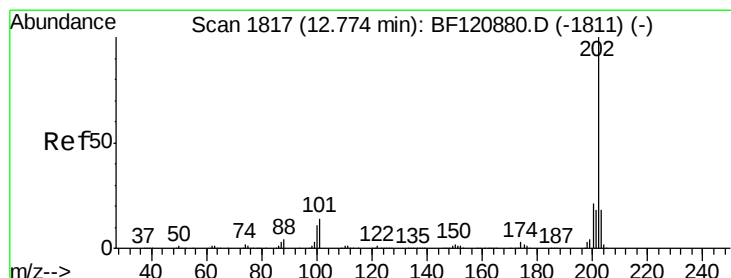
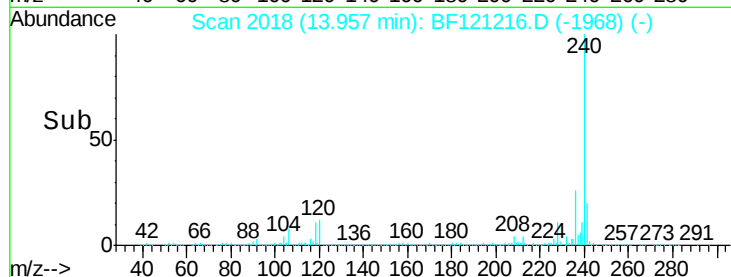
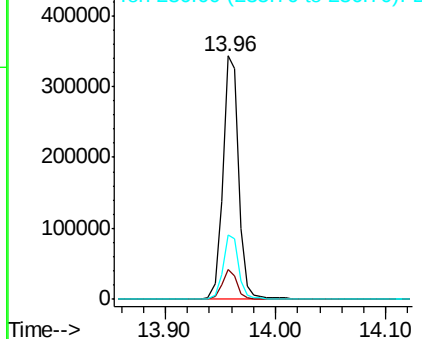
Tot Ion:	240	Resp:	342458
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.3	13.9
236	26.5	21.1	31.7

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.921 ng

RT: 12.76 min Scan# 1815

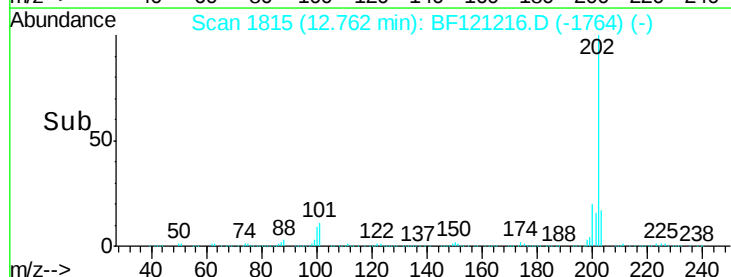
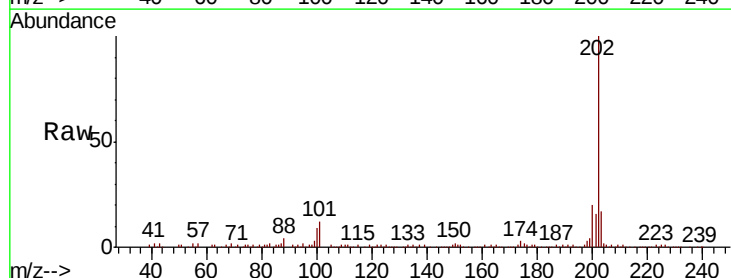
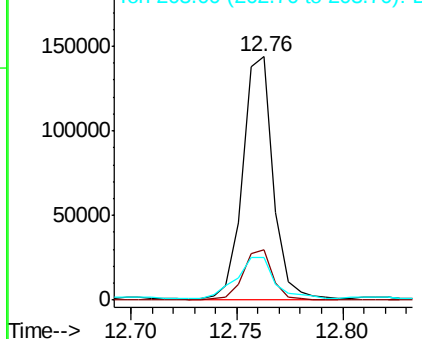
Delta R.T. -0.00 min

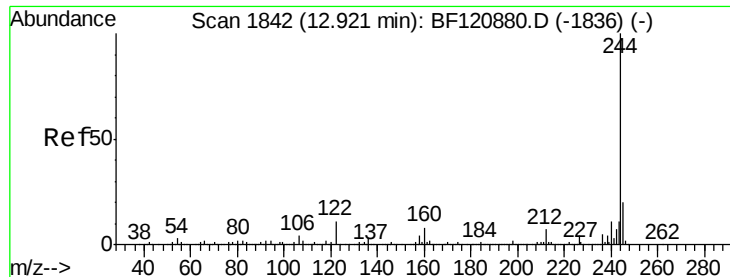
Lab File: BF121216.D

Acq: 6 Aug 2020 22:14

Tgt Ion:	202	Resp:	143355
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.6
203	17.3	14.6	21.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





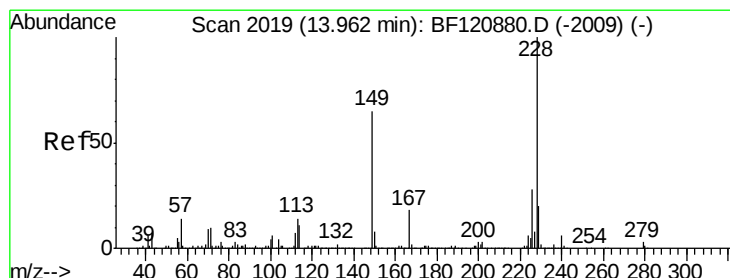
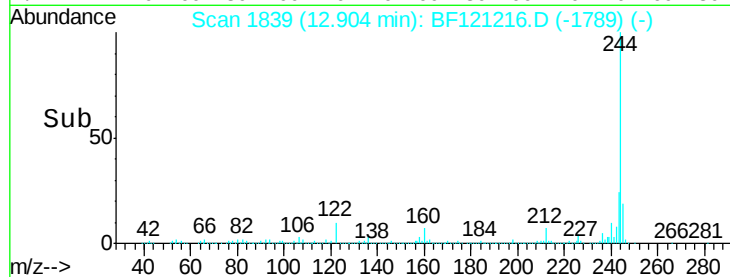
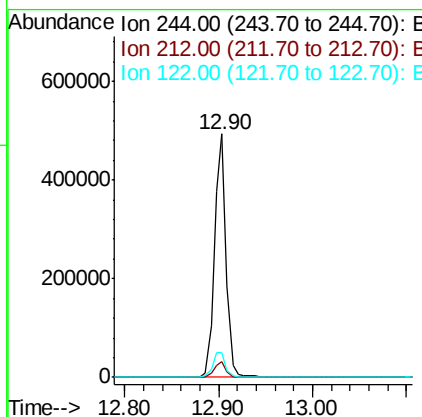
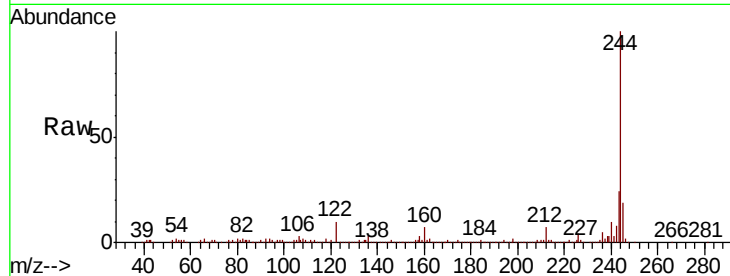
#79
 Terphenyl-d14
 Concen: 27.469 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-060-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.4	8.3	12.5

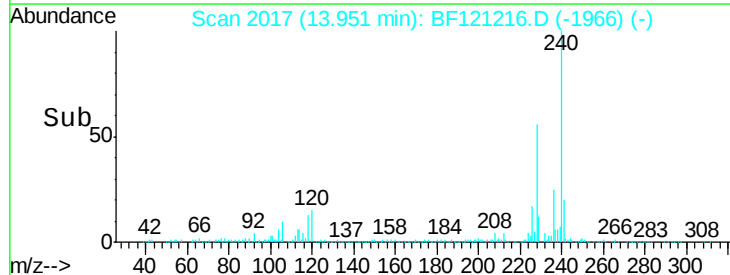
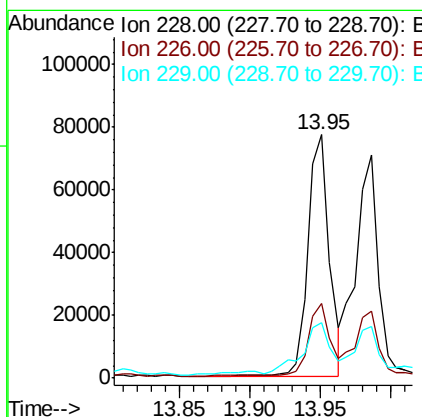
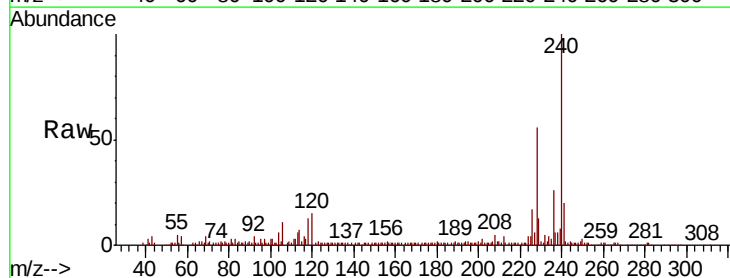
Manual Integrations
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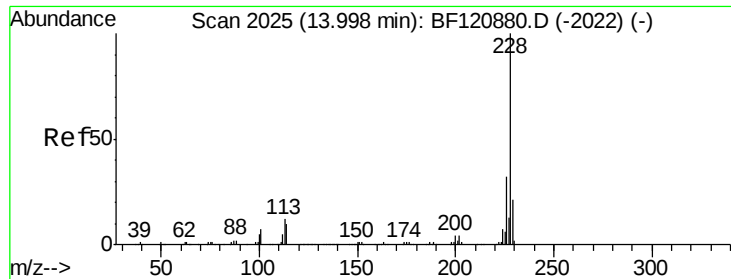
mohammad
 8/7/2020 1:51:14 PM



#81
 Benzo(a)anthracene
 Concen: 3.960 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF121216.D
 Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	34.0
229	22.7	16.1	24.1





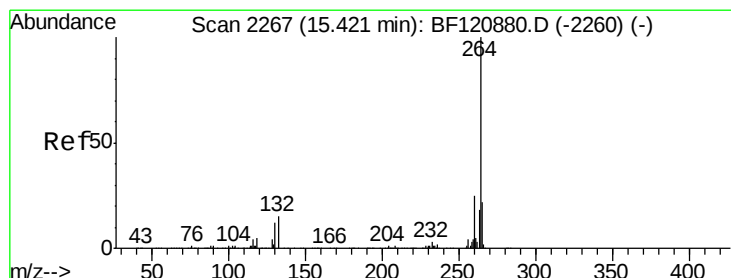
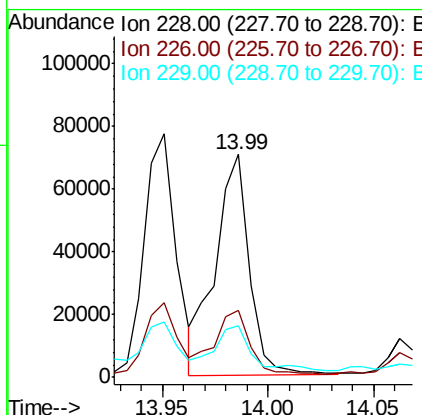
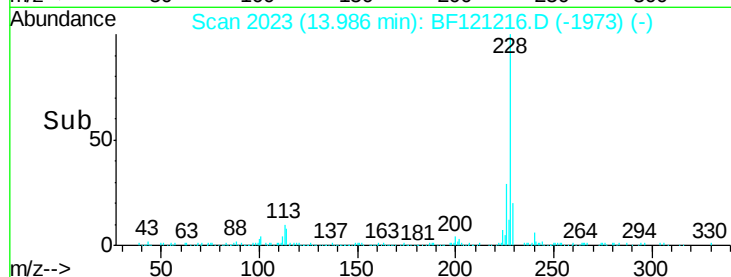
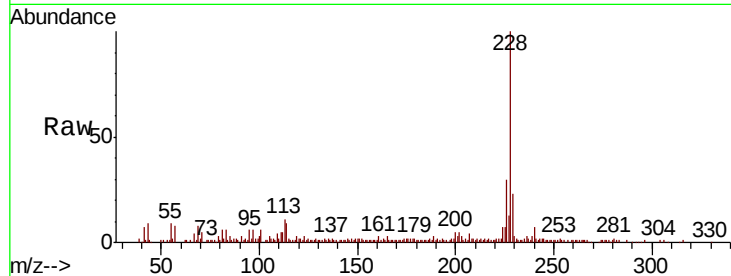
#83
Chrysene
Concen: 3.621 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Instrument :
BNA_F
ClientSampleID :
FK-GF-02-060-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		78922		
226	30.3		25.4	38.0	
229	23.2		16.2	24.4	

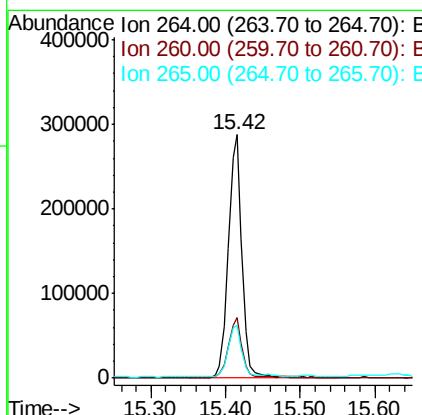
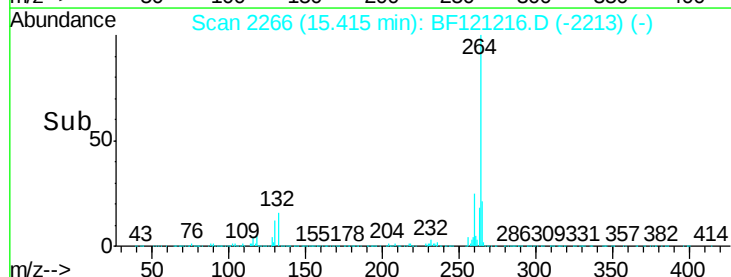
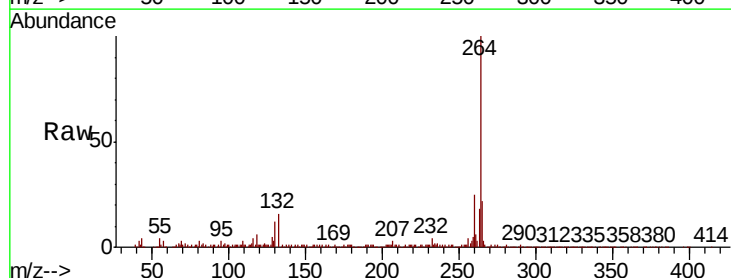
Manual Integrations
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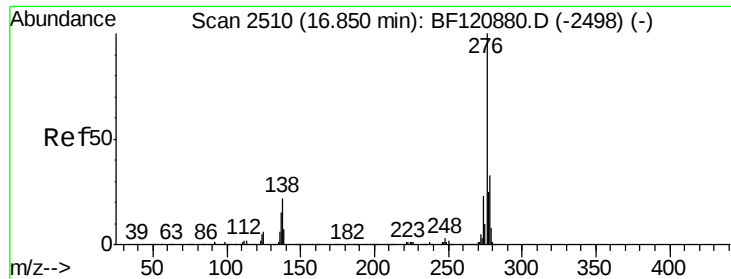
mohammad
8/7/2020 1:51:14 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		366300		
260	25.1		19.9	29.9	
265	21.7		17.8	26.8	





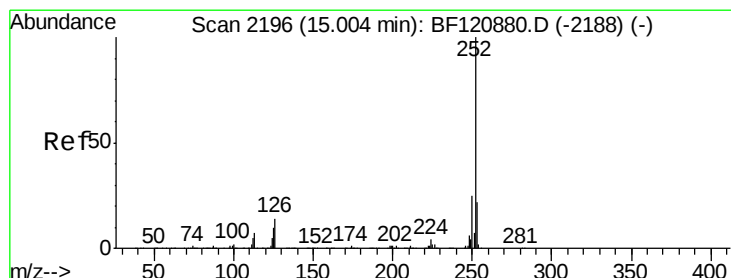
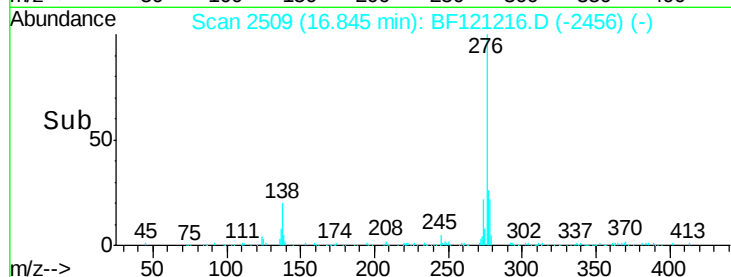
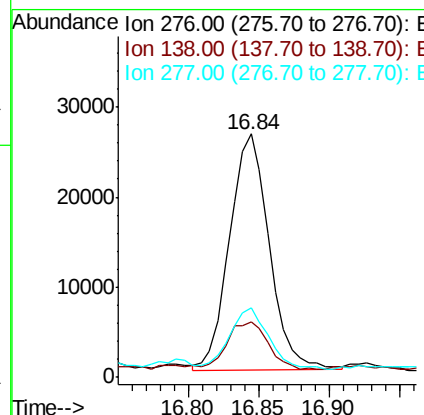
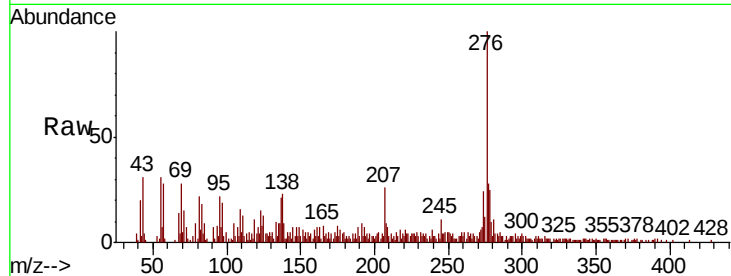
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.024 ng
RT: 16.84 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-060-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.3	28.9
277	25.7	20.1	30.1

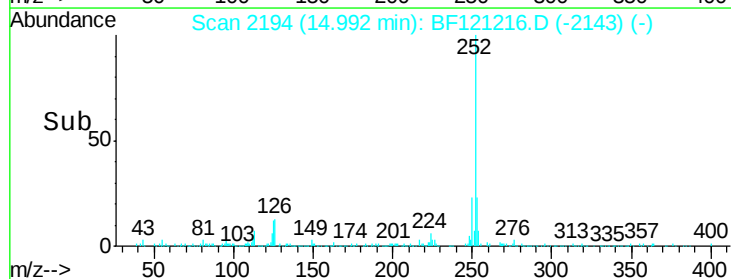
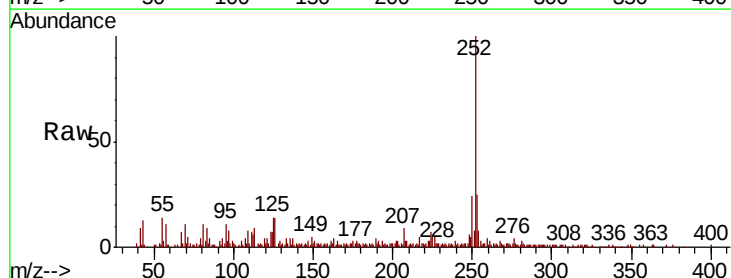
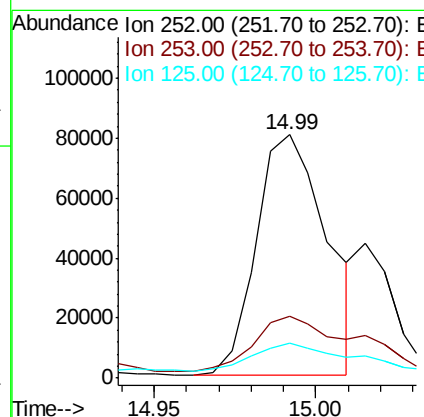
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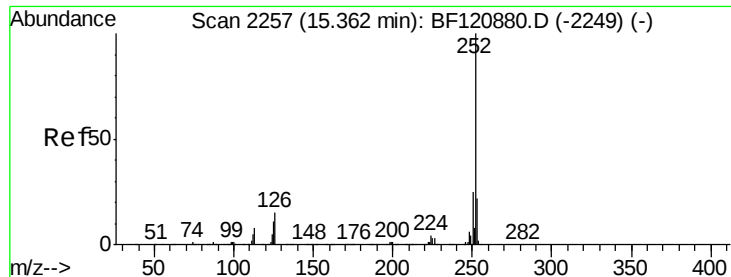
mohammad
8/7/2020 1:51:14 PM



#88
Benzo(b)fluoranthene
Concen: 5.567 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	14.4	8.1	12.1#





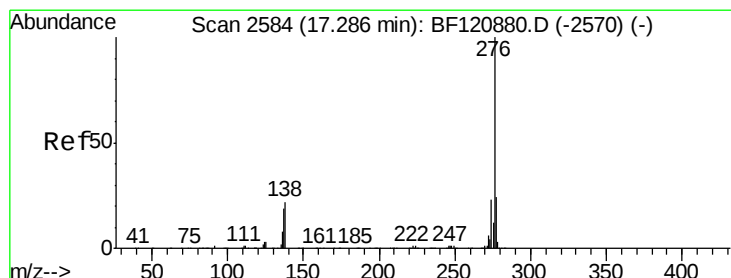
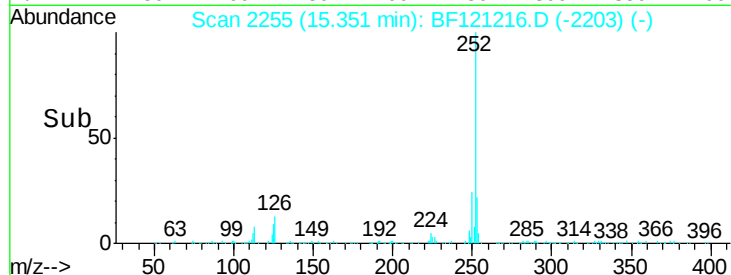
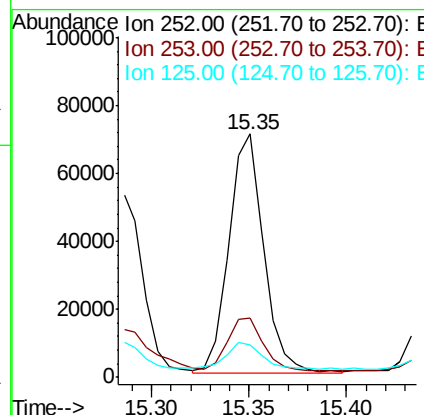
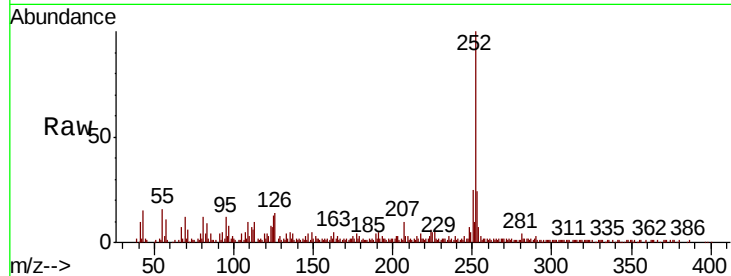
#90
Benzo(a)pyrene
Concen: 4.316 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-060-B

Tot Ion:	252	Resp:	87192
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	13.1	9.5	14.3

Manual Integrations
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mohammad
8/7/2020 1:51:14 PM



#92
Benzo(g,h,i)perylene
Concen: 2.361 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF121216.D
Acq: 6 Aug 2020 22:14

Tgt Ion:	276	Resp:	48446
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.0
138	25.0	17.2	25.8

