

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114295.D
 Acq On : 15 May 2019 20:06
 Operator : JU/SJ
 Sample : K2851-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:06 AM

Quant Time: May 16 08:14:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	248655	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	959087	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	454362	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	935286	20.00	ng	0.00
76) Chrysene-d12	14.02	240	717442	20.00	ng	0.00
87) Perylene-d12	15.50	264	684788	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1775879	114.93	ng	0.01
7) Phenol-d6	6.50	99	2405455	131.63	ng	0.00
23) Nitrobenzene-d5	7.41	82	1491403	87.27	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	589217	125.44	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2406469	80.12	ng	0.00
79) Terphenyl-d14	12.96	244	2505749	72.00	ng	0.00
Target Compounds						
31) Naphthalene	8.15	128	150699	3.364	ng	98
50) Dimethylphthalate	9.59	163	457676	13.722	ng	100
71) Phenanthrene	11.39	178	270100	5.936	ng	97
75) Fluoranthene	12.58	202	397398	8.110	ng	97
78) Pyrene	12.81	202	353367	6.123	ng	98
81) Benzo(a)anthracene	14.00	228	176327	3.800	ng	99
83) Chrysene	14.04	228	192131	4.224	ng	96
88) Benzo(b)fluoranthene	15.06	252	204427m	4.660	ng	
90) Benzo(a)pyrene	15.43	252	129906	3.365	ng	100
92) Benzo(g,h,i)perylene	17.42	276	79972	2.487	ng	98

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

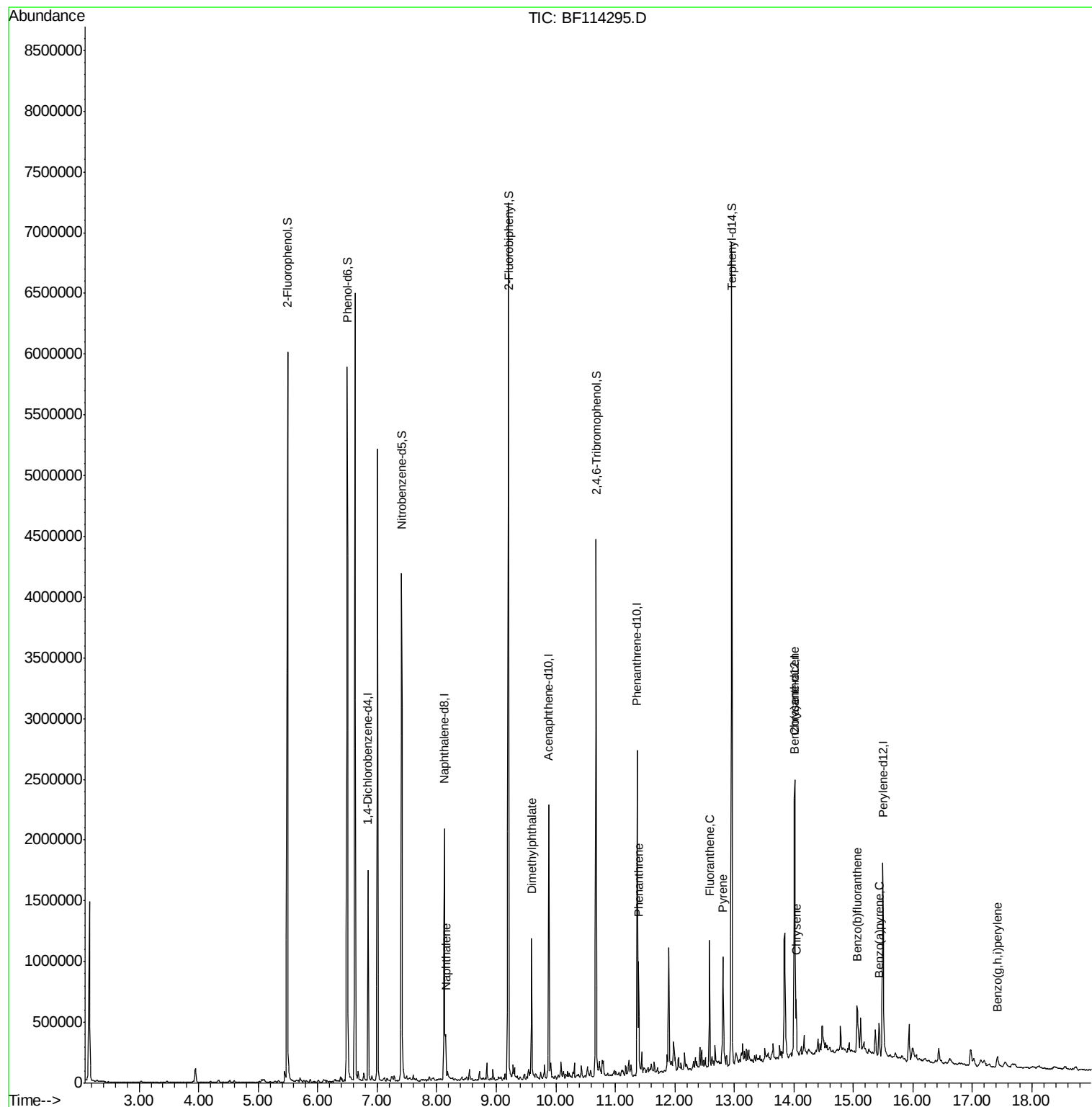
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
Operator : JU/SJ
Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

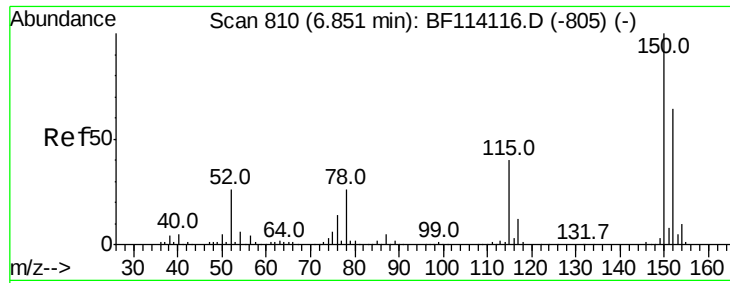
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

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Quant Time: May 16 08:14:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

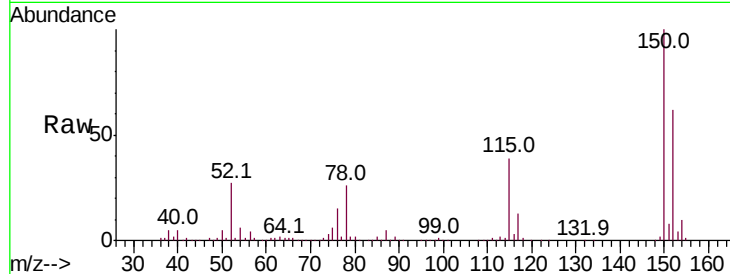
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.3	186.5
115	63.3	49.1	73.7

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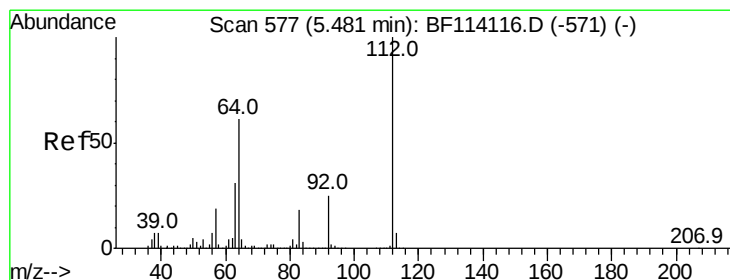
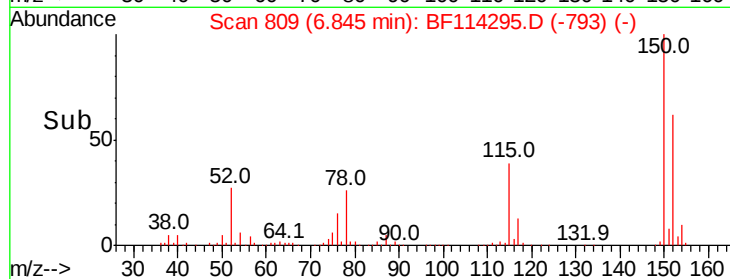
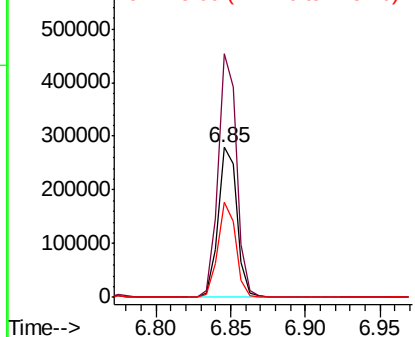


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

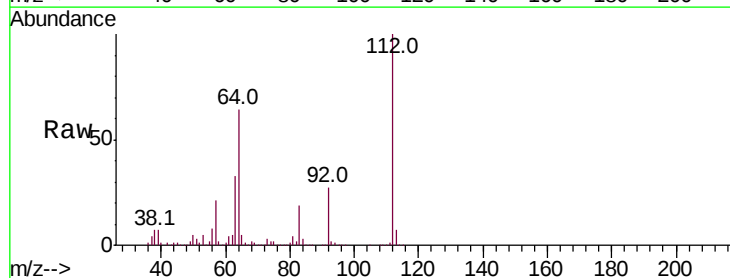
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.932 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	49.0	73.6
63	32.6	24.6	37.0

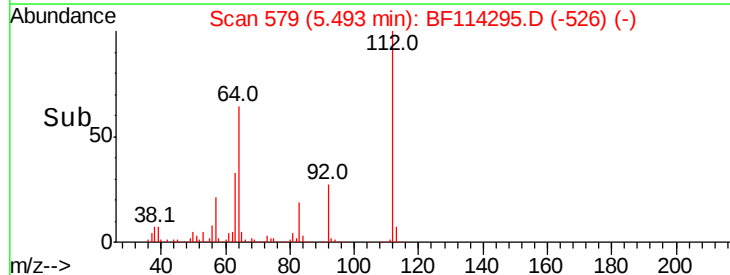
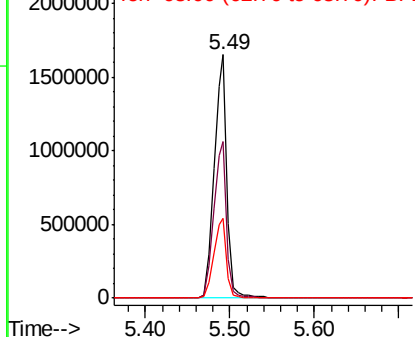


Abundance

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: 131.626 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

Tot Ion: 99 Resp: 2405455

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

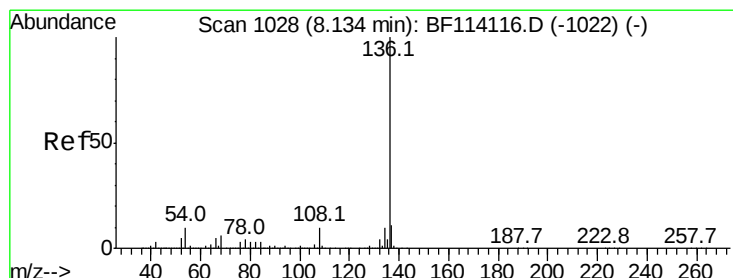
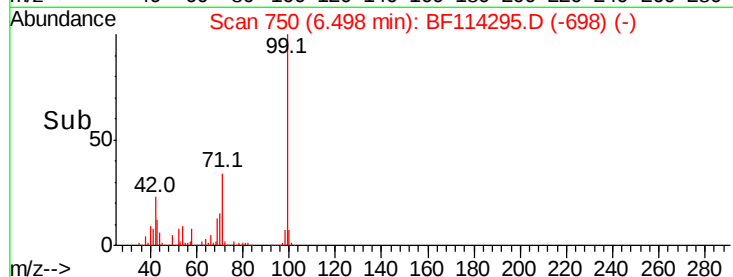
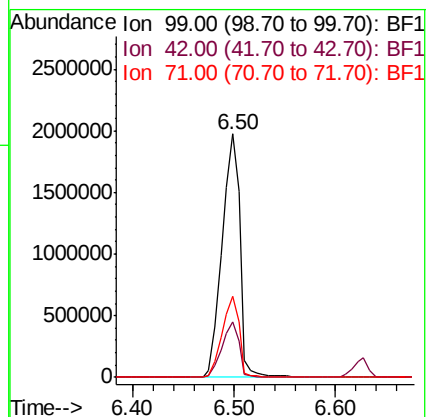
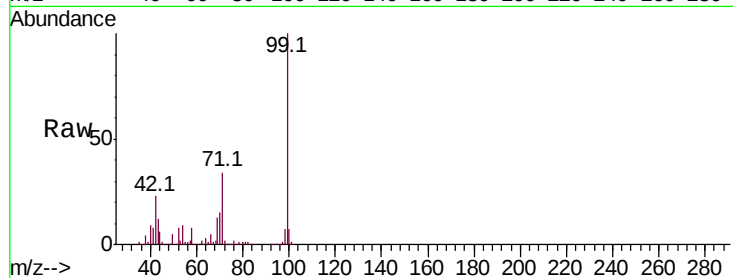
71 33.5 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Tgt Ion: 136 Resp: 959087

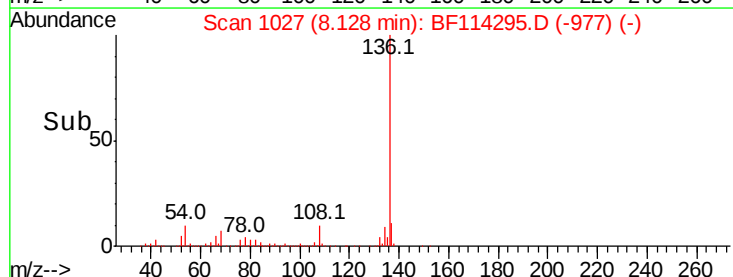
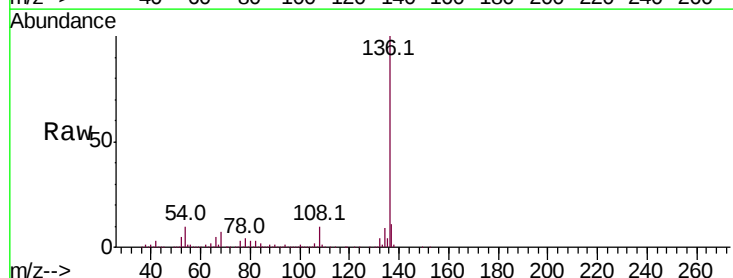
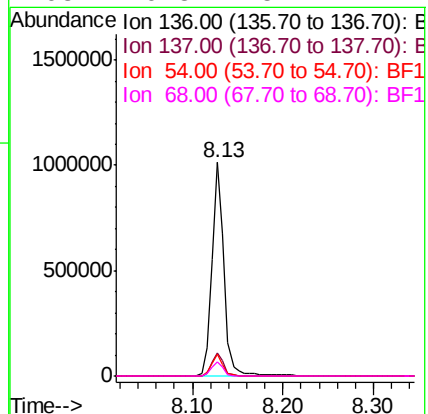
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.0 7.8 11.8

68 6.8 5.1 7.7





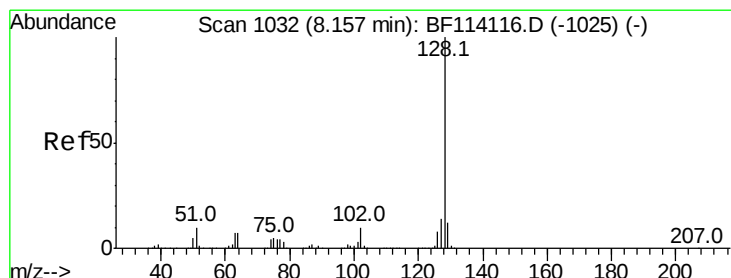
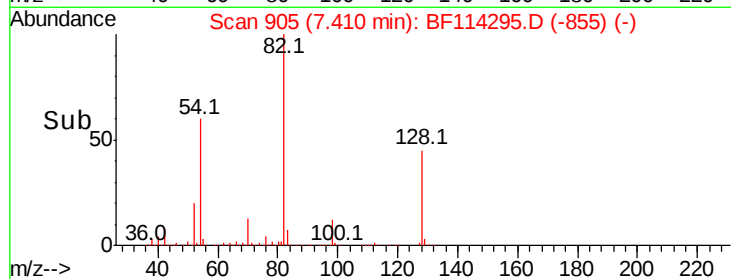
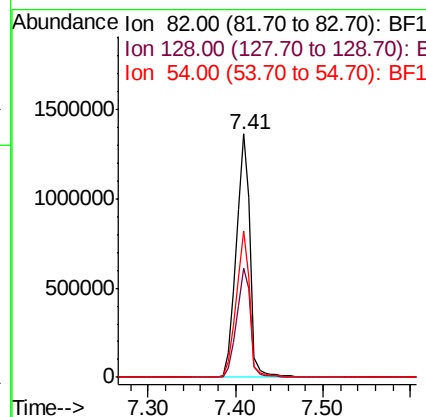
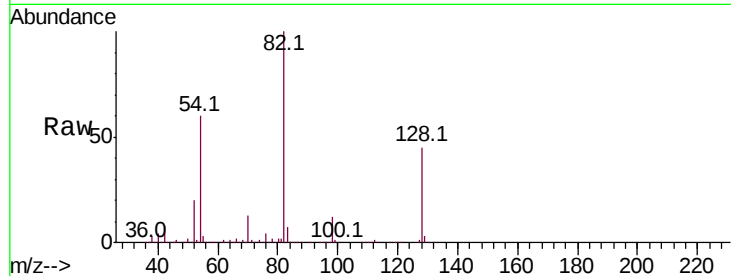
#23
Nitrobenzene-d5
Concen: 87.268 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tot Ion: 82 Resp: 1491403
Ion Ratio Lower Upper
82 100
128 45.1 35.5 53.3
54 60.0 48.5 72.7

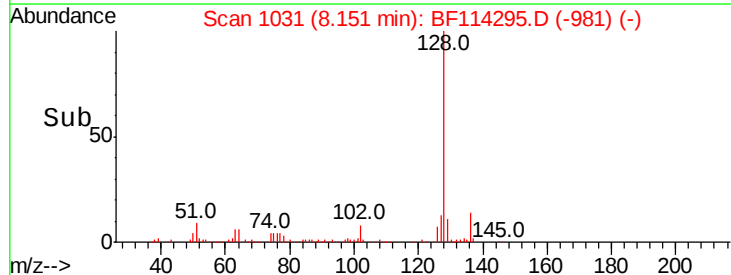
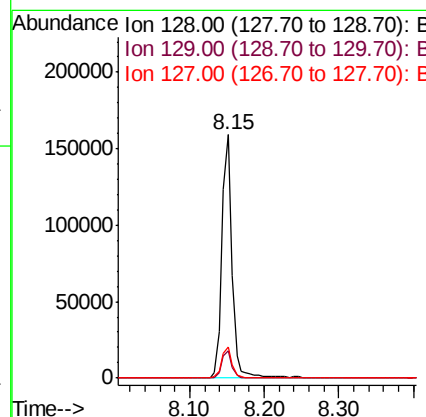
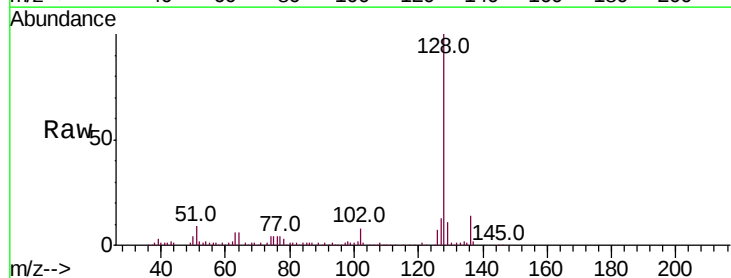
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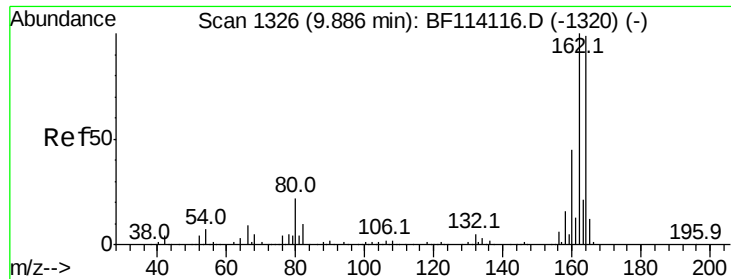
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#31
Naphthalene
Concen: 3.364 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Tgt Ion: 128 Resp: 150699
Ion Ratio Lower Upper
128 100
129 11.2 9.6 14.4
127 12.9 11.3 16.9





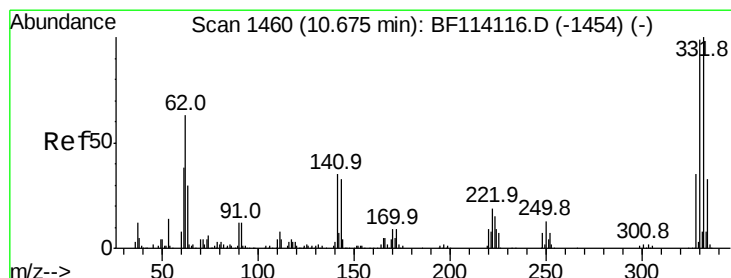
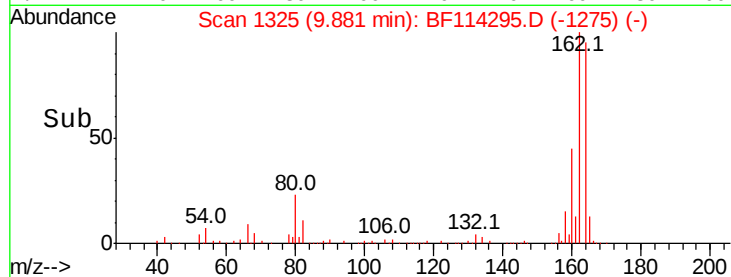
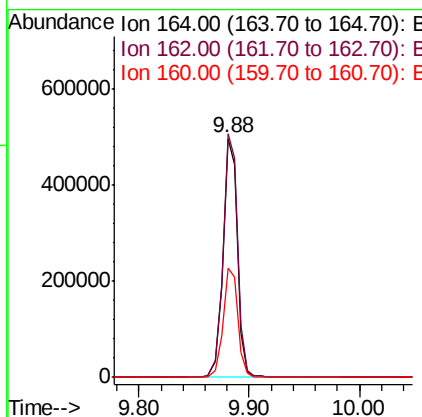
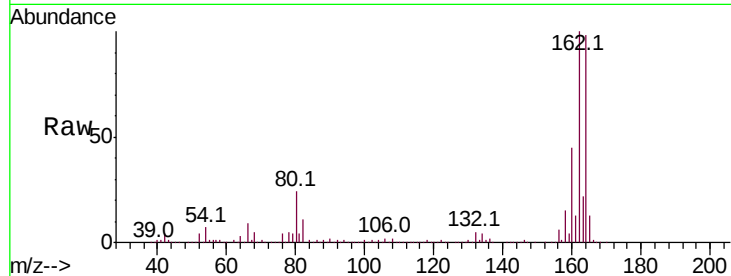
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	80.6	120.8	
160	45.9	36.5	54.7	

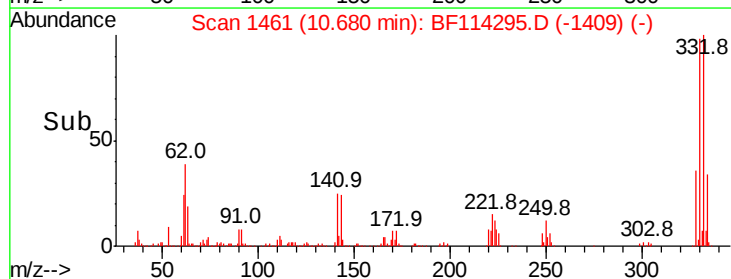
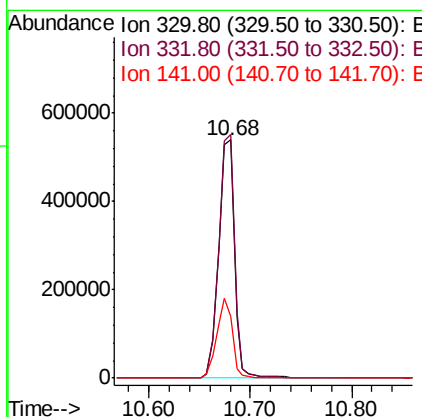
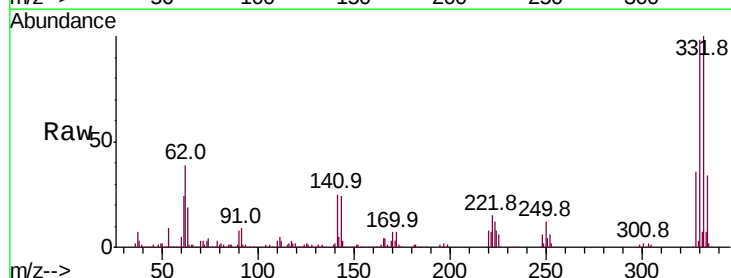
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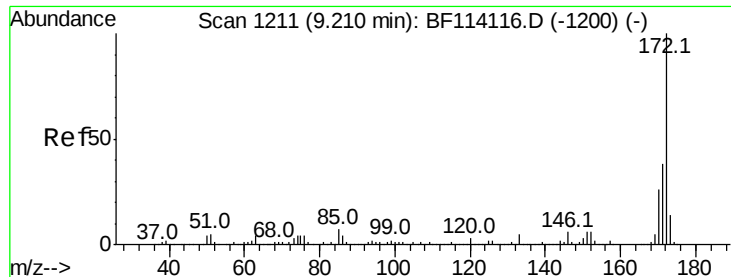
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#42
2,4,6-Tribromophenol
Concen: 125.436 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.5	81.4	122.2	
141	32.6	26.6	40.0	





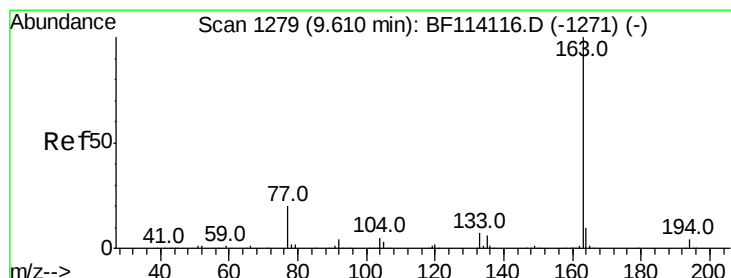
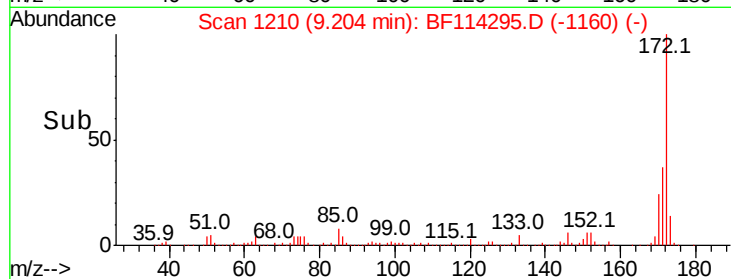
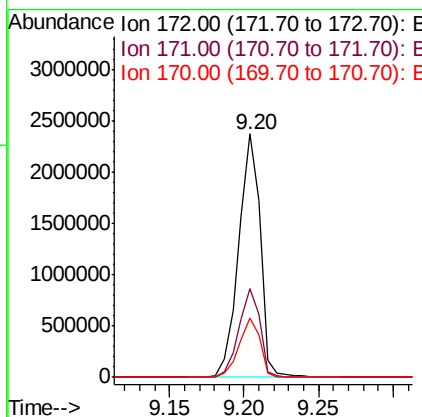
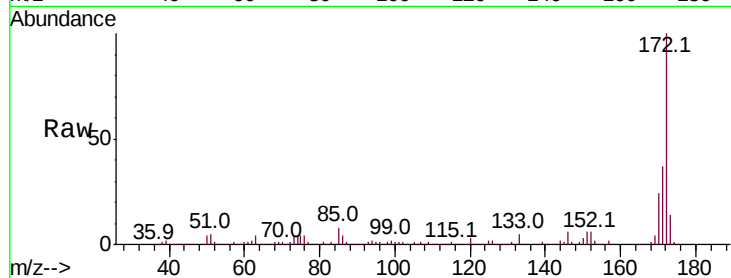
#45
2-Fluorobiphenyl
Concen: 80.116 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.7	46.1
170	24.5	20.5	30.7

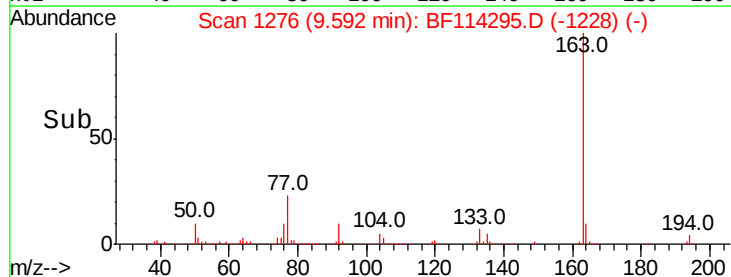
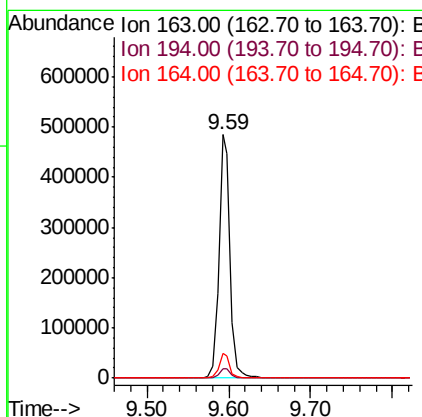
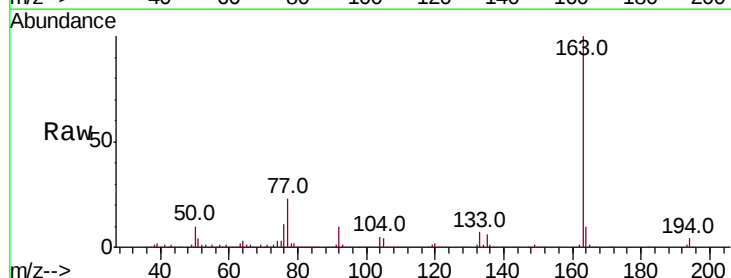
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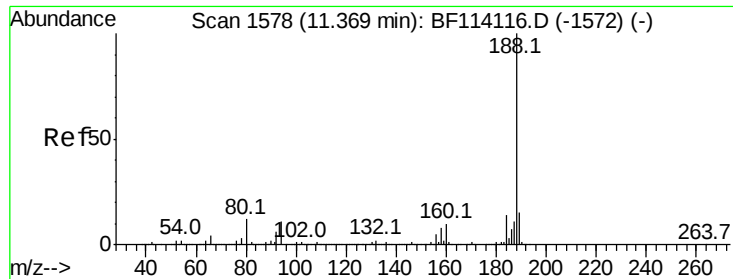
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#50
Dimethylphthalate
Concen: 13.722 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.2	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Instrument :

BNA_F

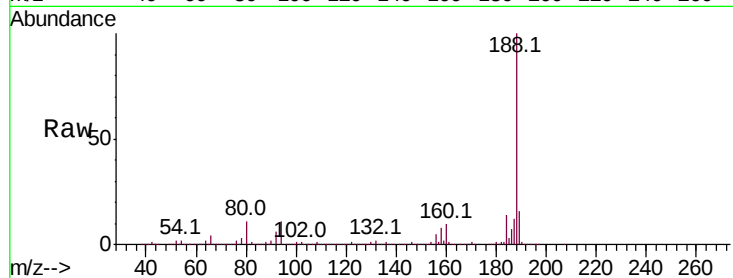
ClientSampled :

SOIL-COMP

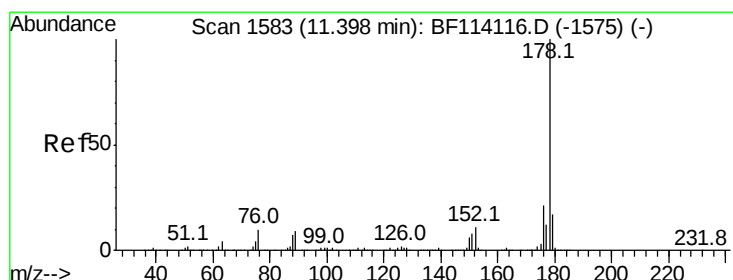
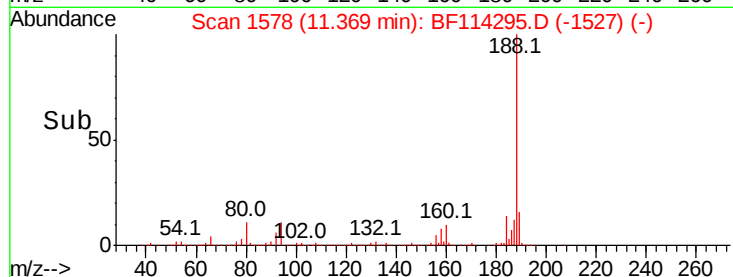
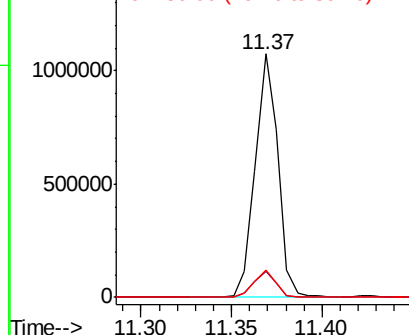
Tot Ion:	188	Resp:	935286
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.4	12.6
80	11.4	9.2	13.8

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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: 5.936 ng

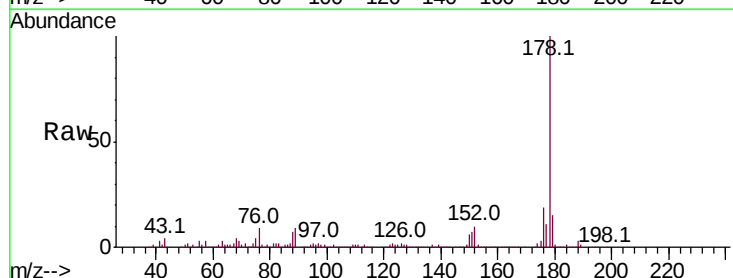
RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

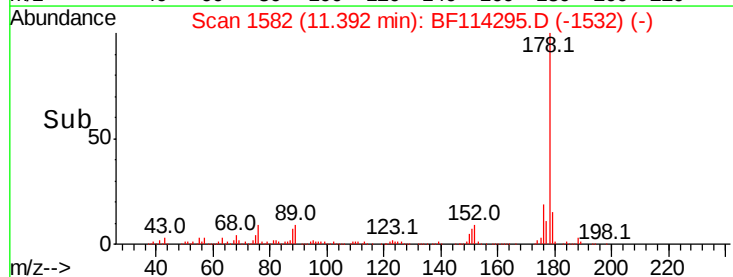
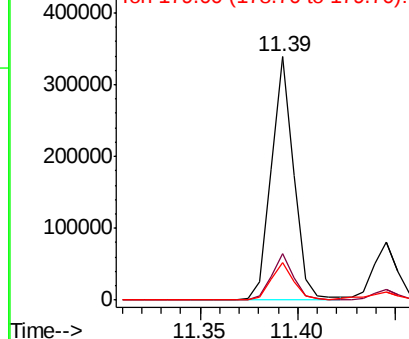
Lab File: BF114295.D

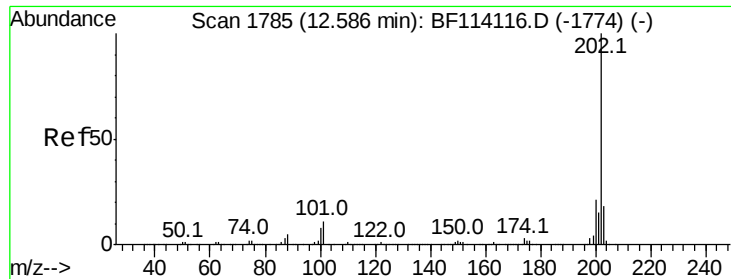
Acq: 15 May 2019 20:06

Tgt Ion:	178	Resp:	270100
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.4	24.6
179	15.4	13.2	19.8



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: 8.110 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Instrument :

BNA_F

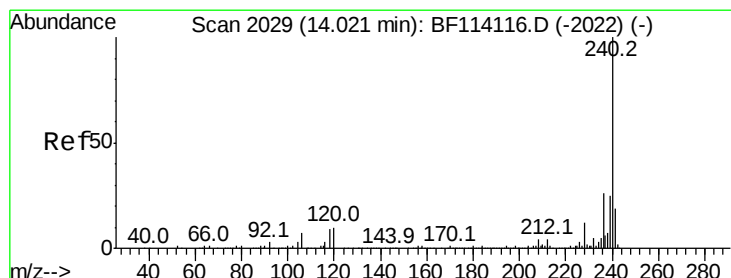
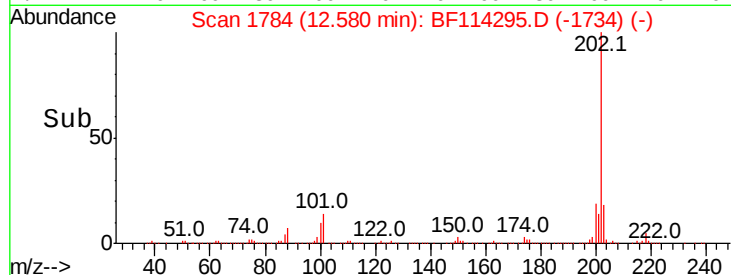
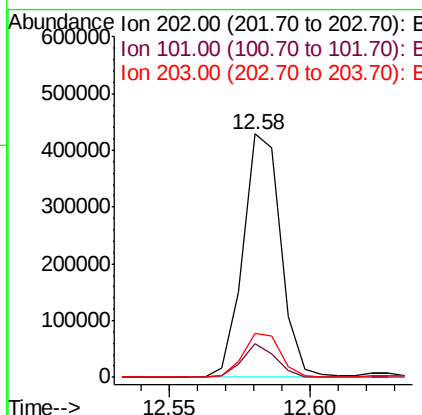
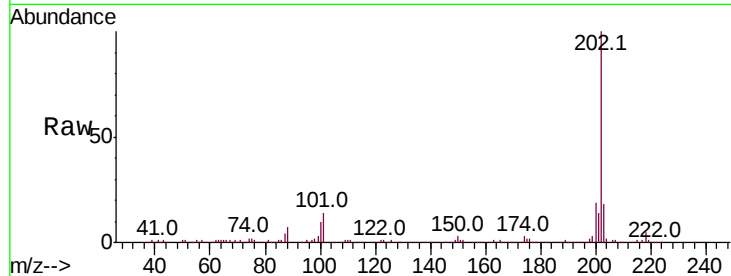
ClientSampleId :

SOIL-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	31.0
203	18.3	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

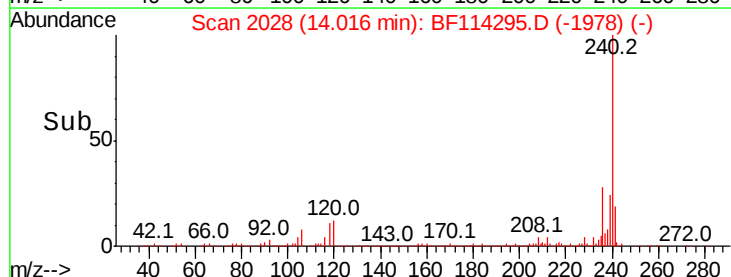
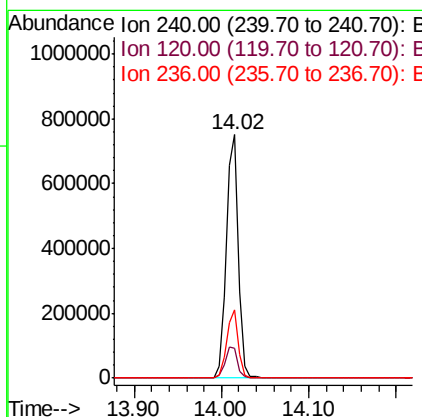
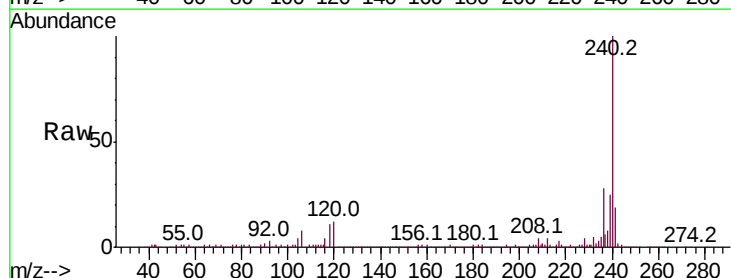
RT: 14.02 min Scan# 2028

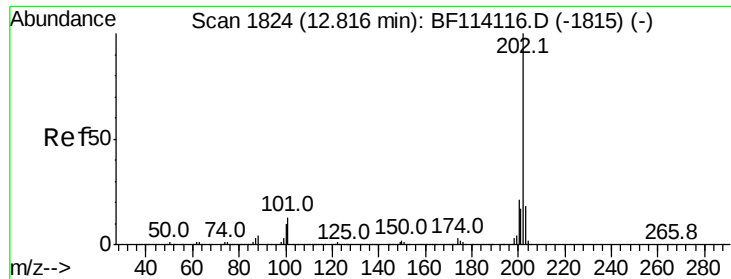
Delta R.T. -0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	8.3	12.5
236	28.0	20.8	31.2





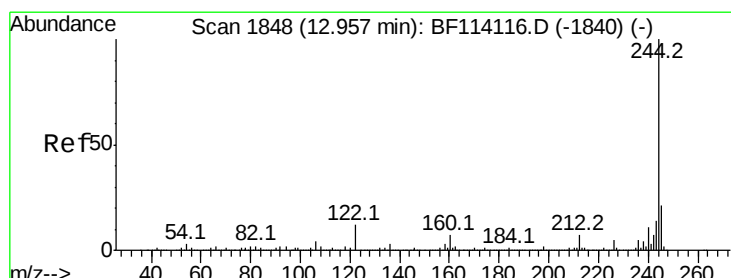
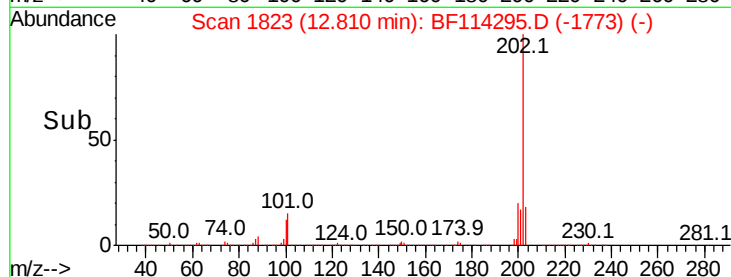
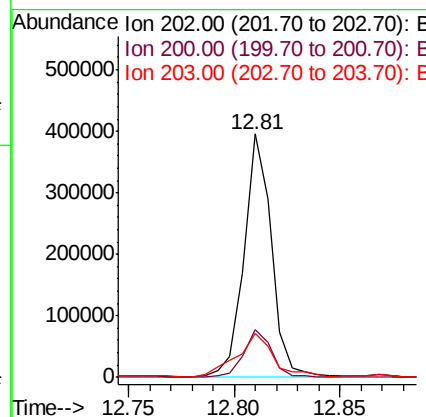
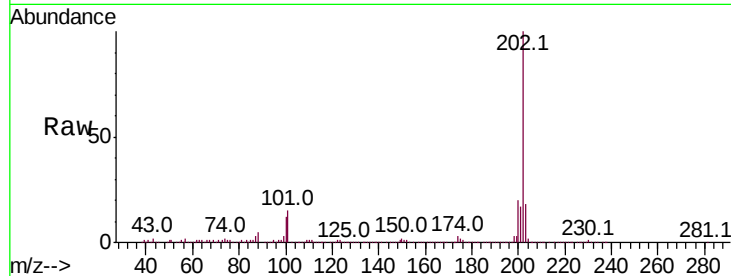
#78
Pvrene
Concen: 6.123 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.9	25.3
203	18.2	14.5	21.7

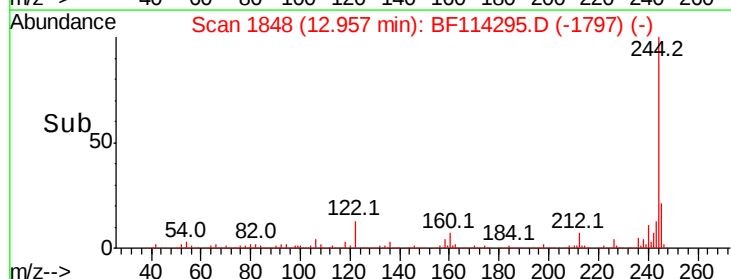
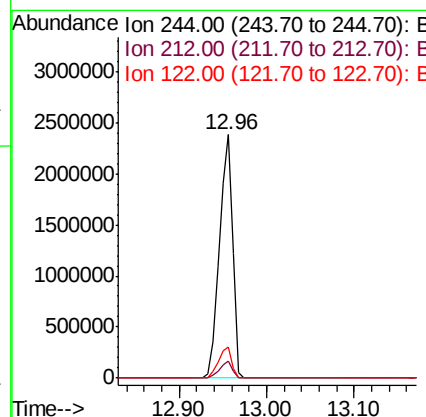
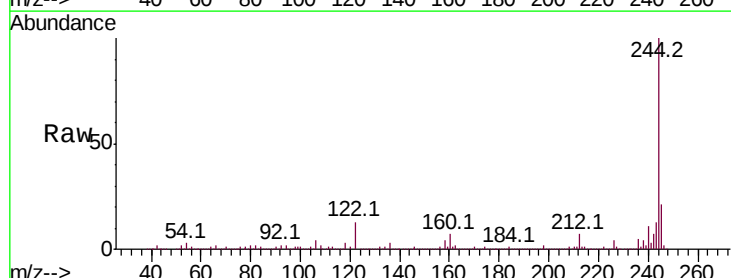
Manual Integrations
APPROVED

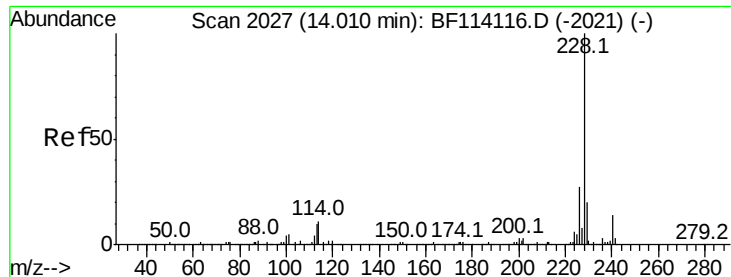
mohammad
5/16/2019 9:51:06 AM



#79
Terphenyl-d14
Concen: 71.998 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	13.0	9.4	14.2





#81

Benzo(a)anthracene

Concen: 3.800 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Instrument :

BNA_F

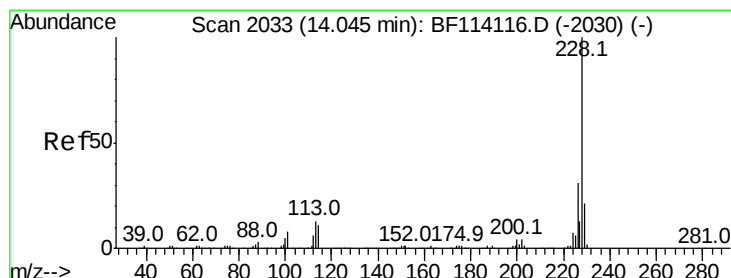
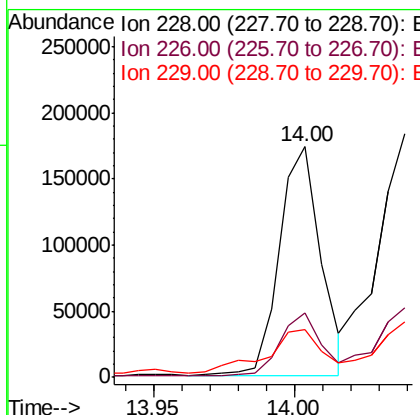
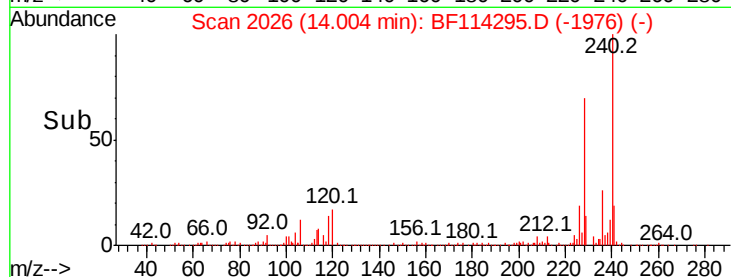
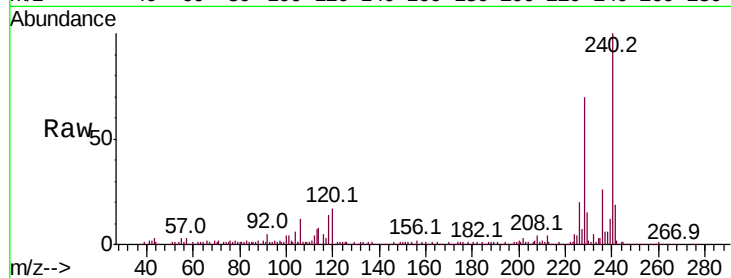
ClientSampleId :

SOIL-COMP

Tot Ion:	228	Resp:	176327
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.2	33.2
229	21.0	16.4	24.6

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#83

Chrysene

Concen: 4.224 ng

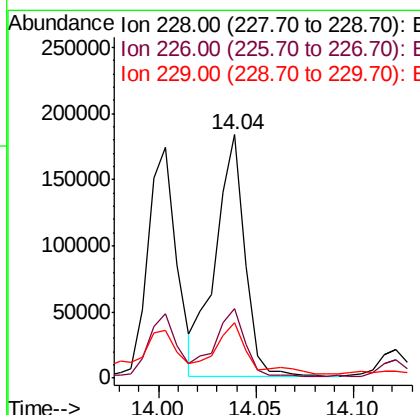
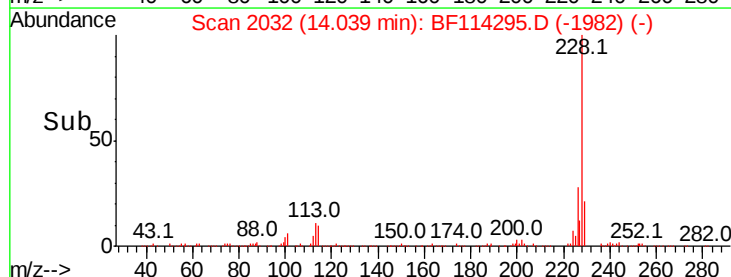
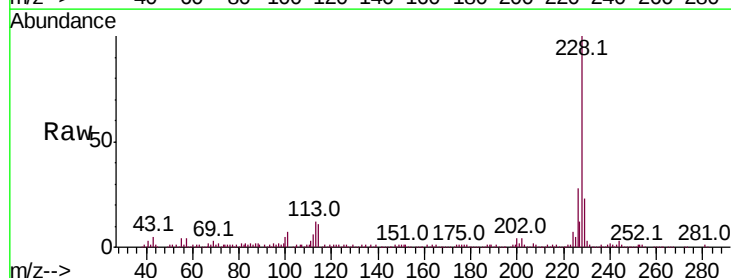
RT: 14.04 min Scan# 2032

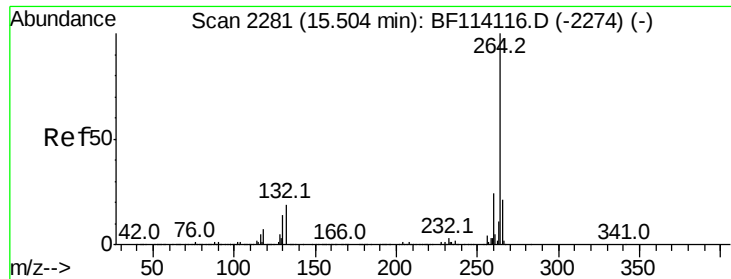
Delta R.T. -0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Tgt Ion:	228	Resp:	192131
Ion Ratio	Lower	Upper	
228	100		
226	28.5	25.0	37.6
229	22.8	17.0	25.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Instrument :

BNA_F

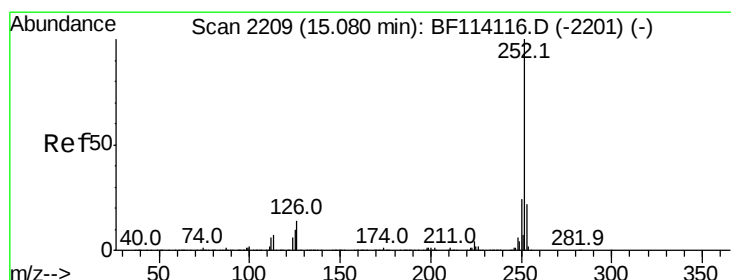
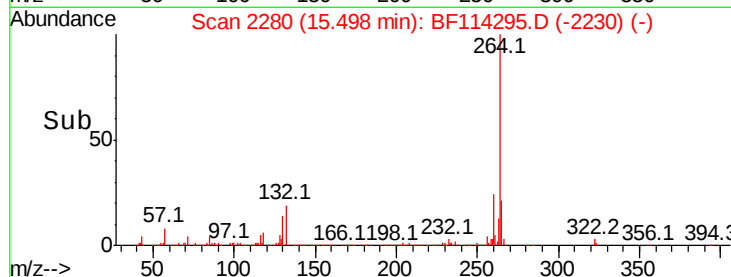
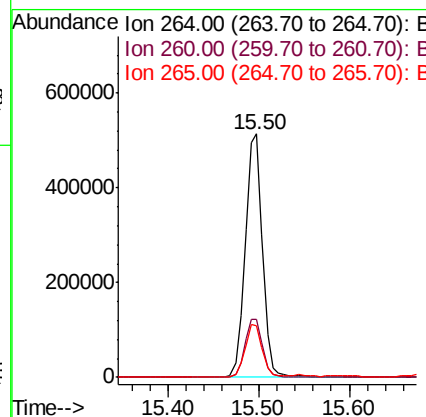
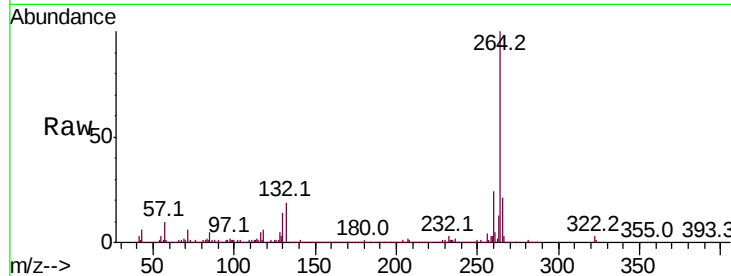
ClientSampleId :

SOIL-COMP

Tot Ion:	264	Resp:	684788
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.4	29.0
265	21.4	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 4.660 ng m

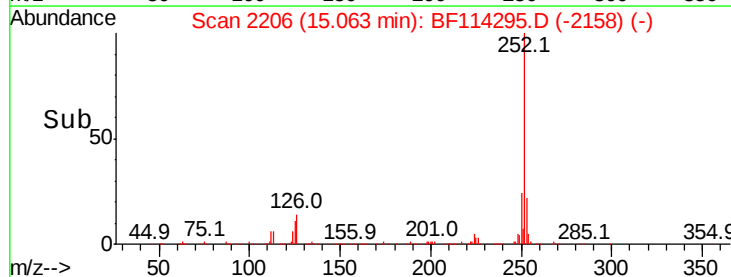
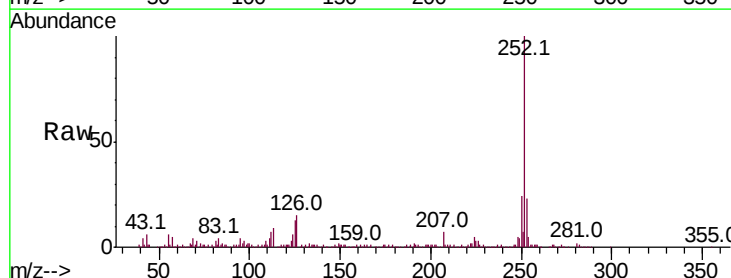
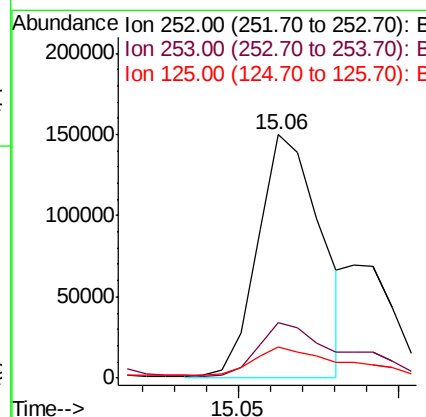
RT: 15.06 min Scan# 2206

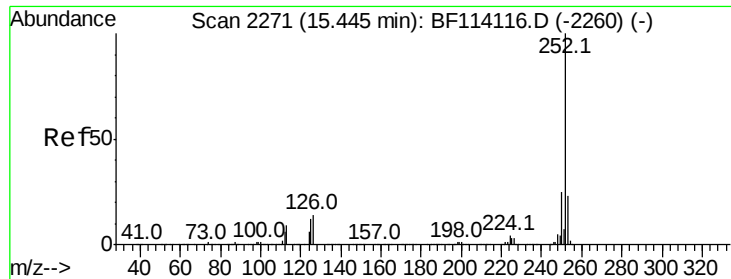
Delta R.T. -0.02 min

Lab File: BF114295.D

Acq: 15 May 2019 20:06

Tgt Ion:	252	Resp:	204427
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	13.0	8.3	12.5#





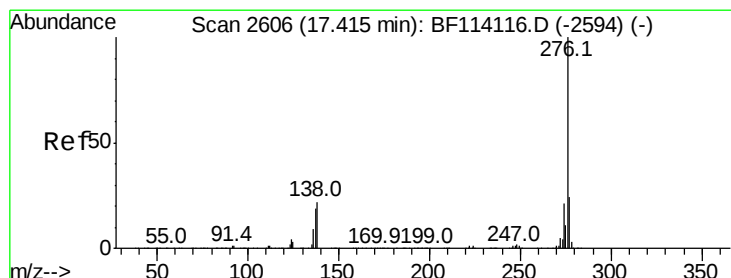
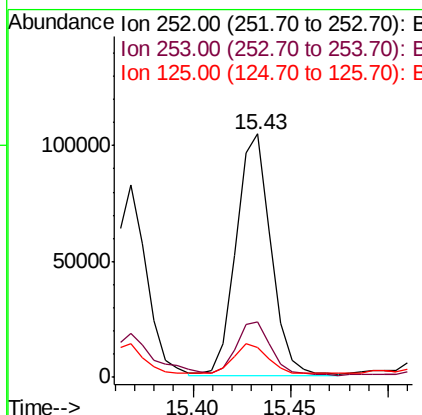
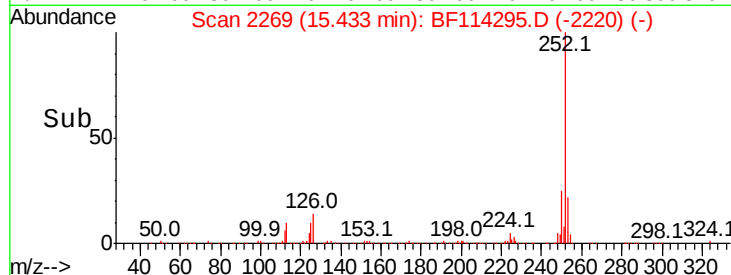
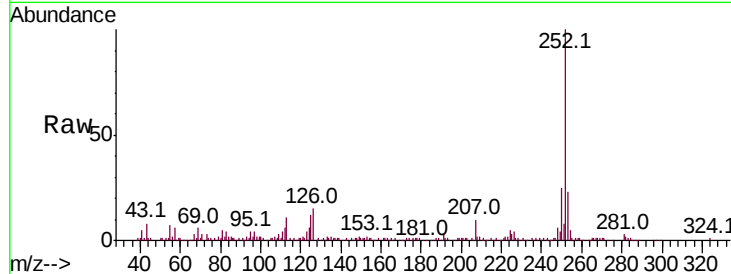
#90
Benzo(a)pyrene
Concen: 3.365 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.2	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.487 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF114295.D
Acq: 15 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	23.5	17.8	26.6

