

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117299.D
 Acq On : 2 Oct 2019 15:05
 Operator : JU
 Sample : K5144-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:17:28 AM

Quant Time: Oct 03 02:02:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	28053	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	112692	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	57459	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	93783	20.00	ng	0.00
76) Chrysene-d12	13.97	240	74966	20.00	ng	0.00
87) Perylene-d12	15.43	264	61970	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	142850	79.50	ng	-0.01
7) Phenol-d6	6.45	99	191289	82.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	113485	52.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	38075	79.29	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	209576	57.03	ng	-0.01
79) Terphenyl-d14	12.91	244	213586	53.26	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	27227	6.692	ng	97
71) Phenanthrene	11.36	178	45112	8.469	ng	99
72) Anthracene	11.41	178	13441	2.472	ng	98
75) Fluoranthene	12.54	202	93249	17.037	ng	98
78) Pyrene	12.77	202	84037	13.360	ng	97
81) Benzo(a)anthracene	13.96	228	42662	8.518	ng	99
83) Chrysene	14.00	228	38824	7.948	ng	95
86) Indeno(1,2,3-cd)pyrene	16.89	276	14715	4.129	ng	97
88) Benzo(b)fluoranthene	15.01	252	38615m	10.287	ng	
89) Benzo(k)fluoranthene	15.04	252	16114m	4.532	ng	
90) Benzo(a)pyrene	15.37	252	26754	8.122	ng	# 89
92) Benzo(a,h,i)perylene	17.33	276	13184	5.042	ng	# 93

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

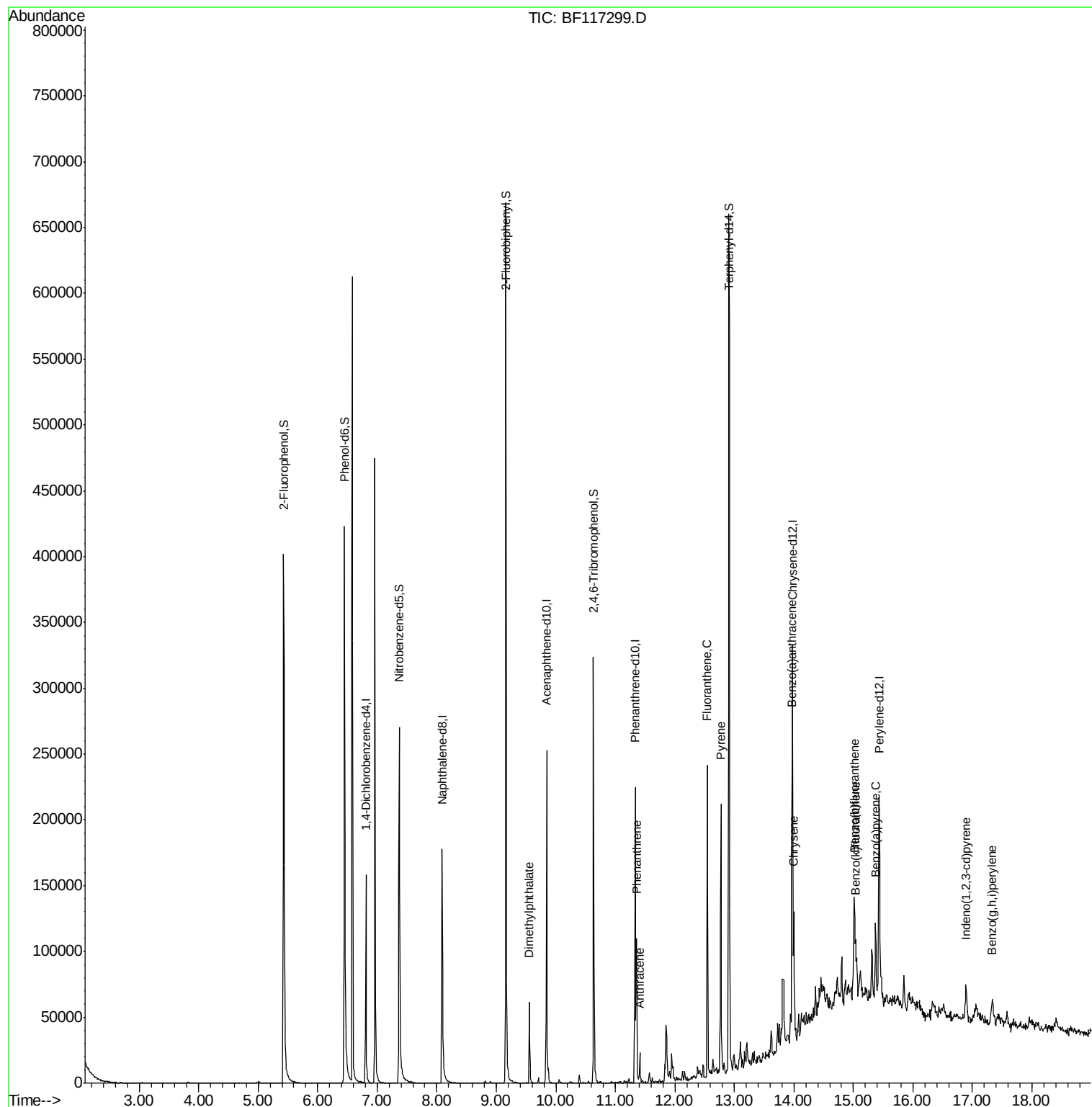
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117299.D
Acq On : 2 Oct 2019 15:05
Operator : JU
Sample : K5144-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

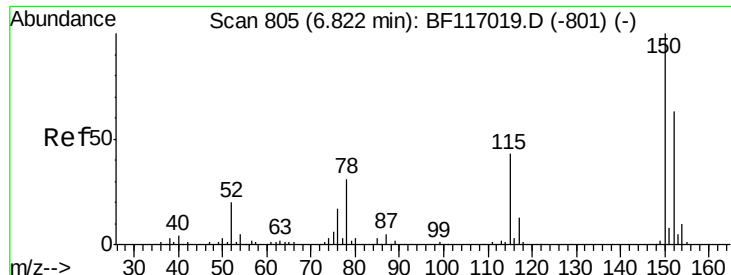
Instrument :
BNA_F
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COMP-1

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#1

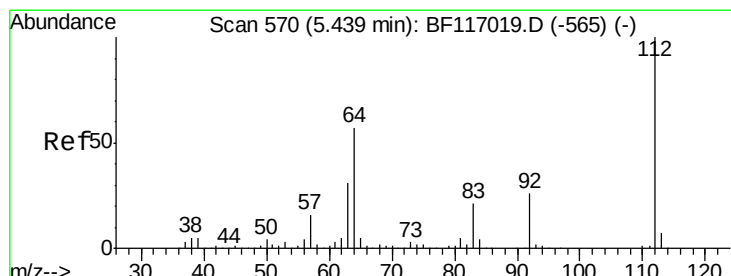
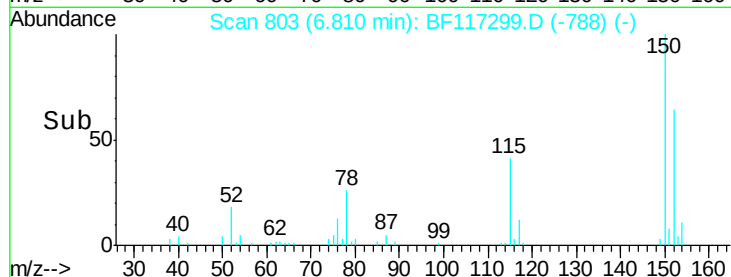
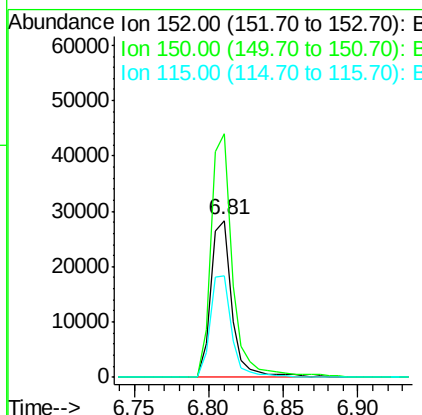
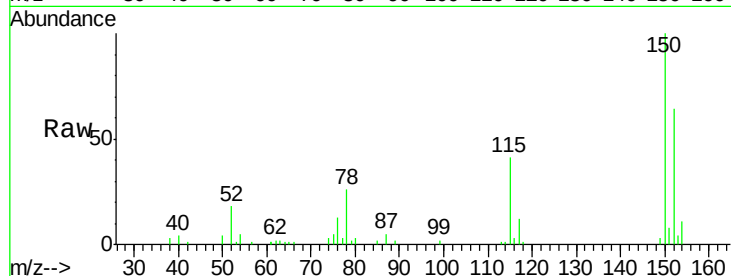
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampled :
COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.5	191.3
115	64.5	55.0	82.4

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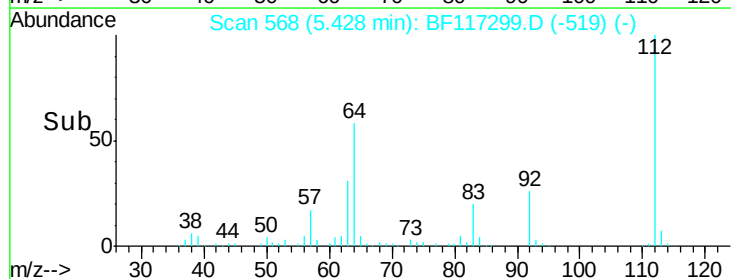
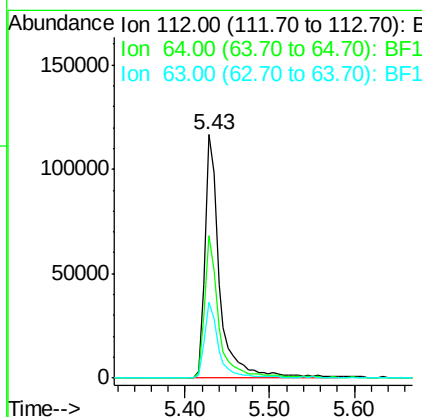
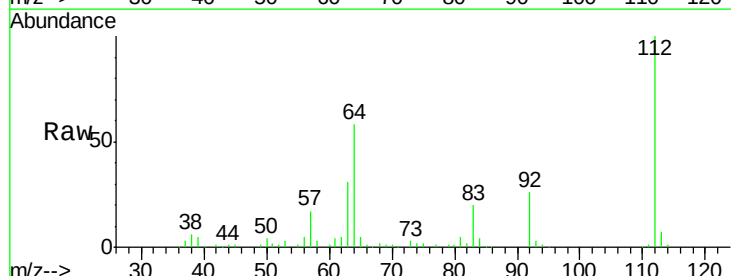
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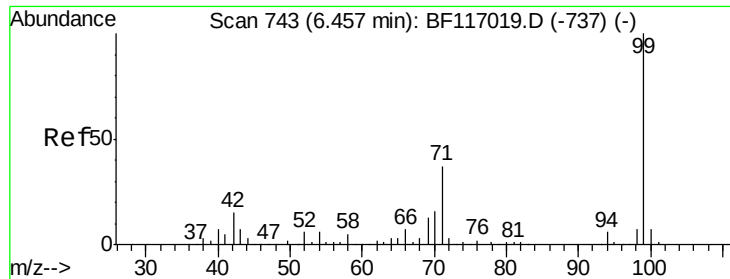


#5

2-Fluorophenol
Concen: 79.501 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	45.7	68.5
63	31.4	24.9	37.3





#7

Phenol-d6

Concen: 82.376 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

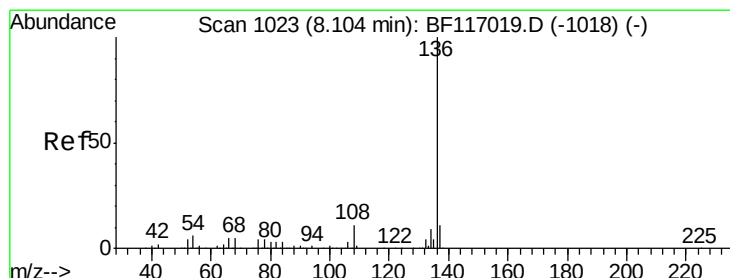
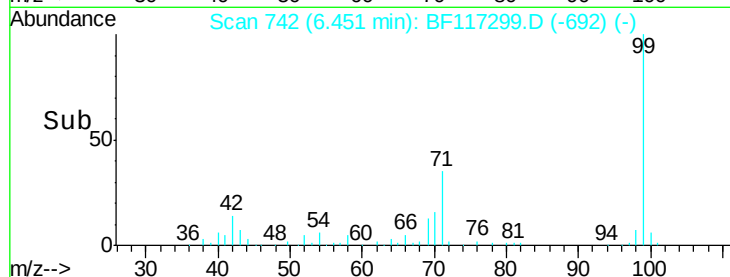
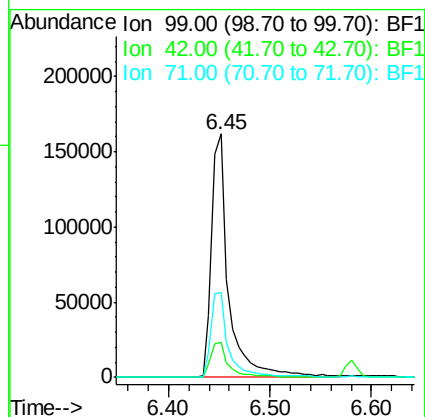
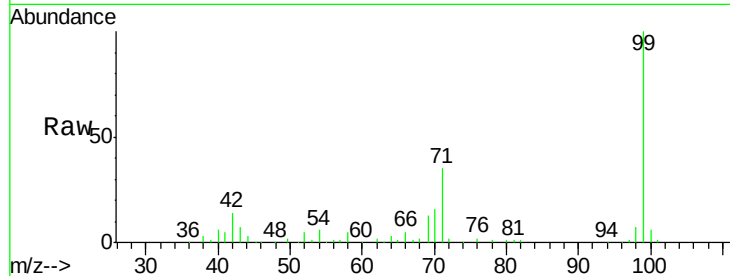
ClientSampleId :

COMP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		191289		
42	14.4	12.2	18.2		
71	34.7	29.8	44.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

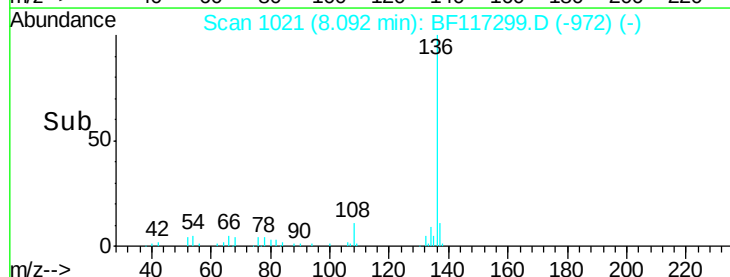
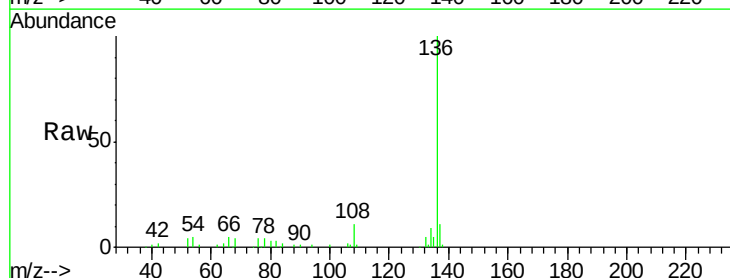
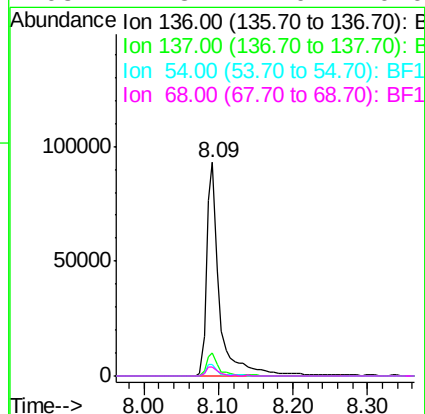
RT: 8.09 min Scan# 1021

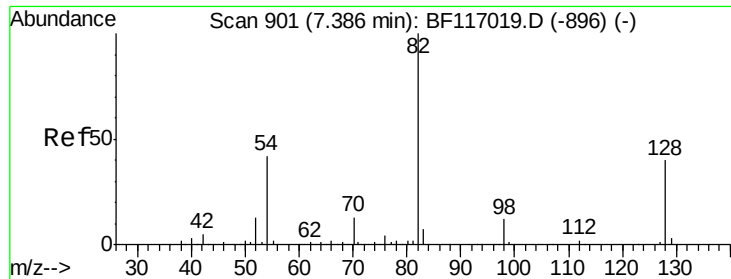
Delta R.T. -0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		112692		
137	11.0	9.0	13.4		
54	5.3	4.5	6.7		
68	4.3	4.0	6.0		





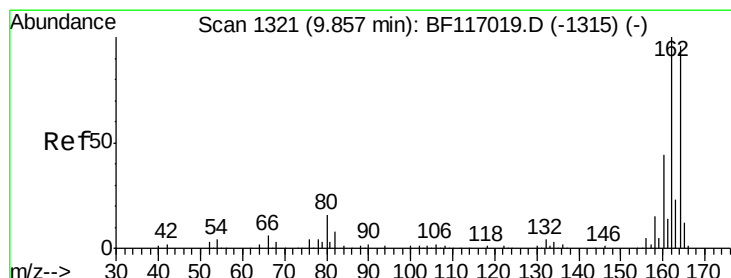
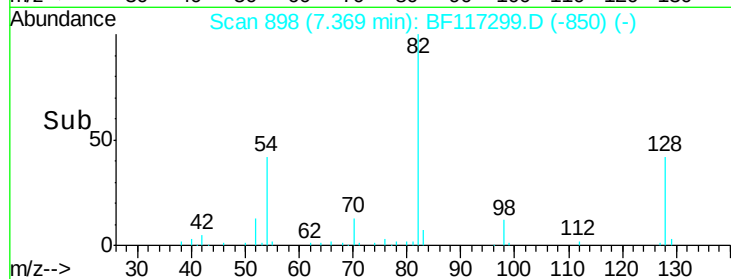
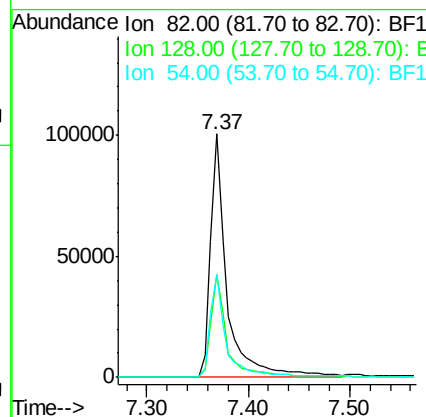
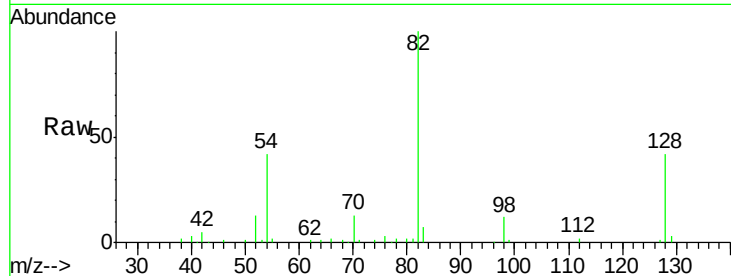
#23
Nitrobenzene-d5
Concen: 52.912 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampled :
COMP-1

Tot Ion	82	Resp	113485
Ion Ratio	100	Lower	Upper
128	42.2	32.3	48.5
54	42.1	33.3	49.9

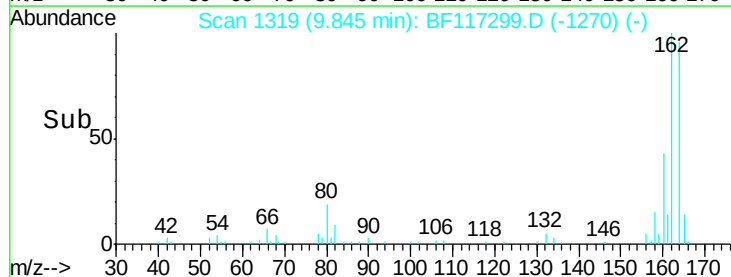
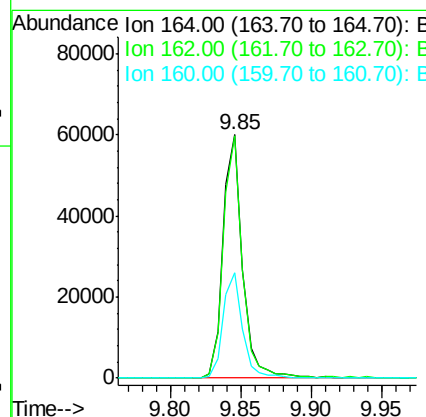
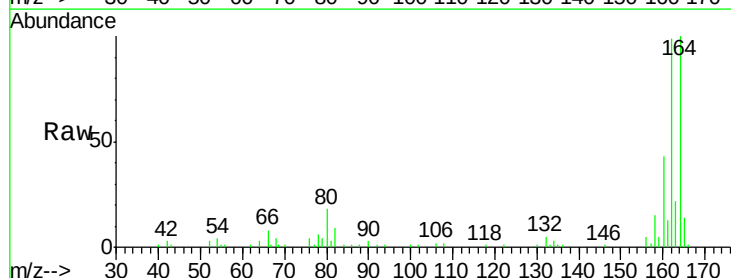
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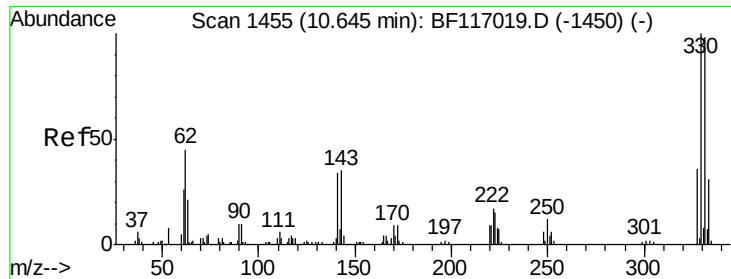
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	164	Resp	57459
Ion Ratio	100	Lower	Upper
162	99.3	83.4	125.2
160	43.2	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 79.286 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

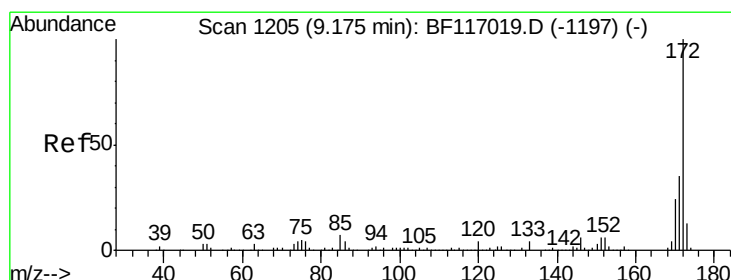
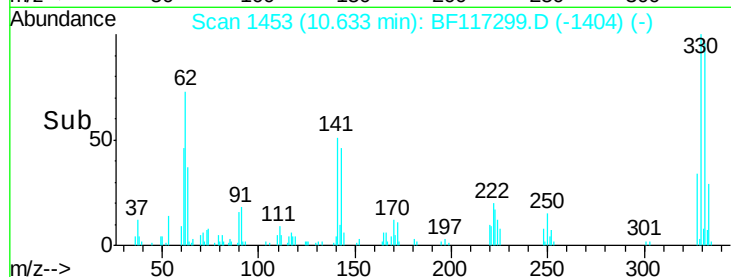
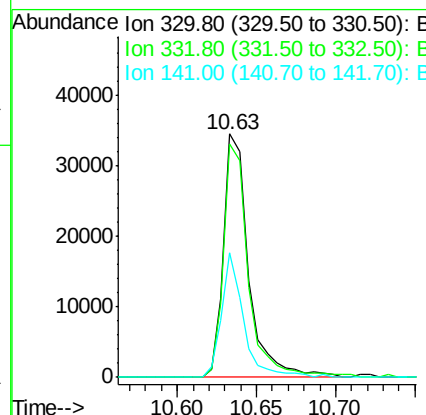
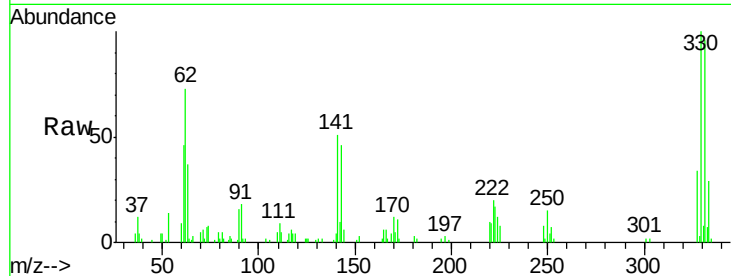
ClientSampled :

COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	38075		
332	95.0		78.0	117.0
141	44.0		35.8	53.6

Manual Integrations
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#45

2-Fluorobiphenyl

Concen: 57.030 ng

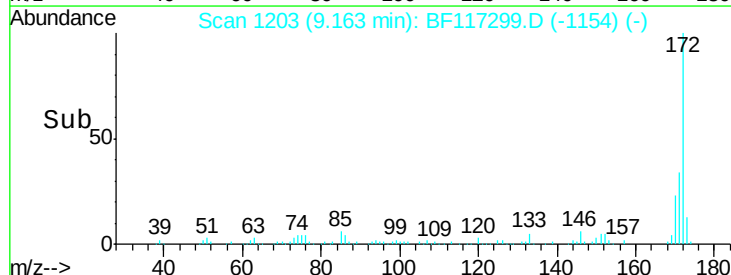
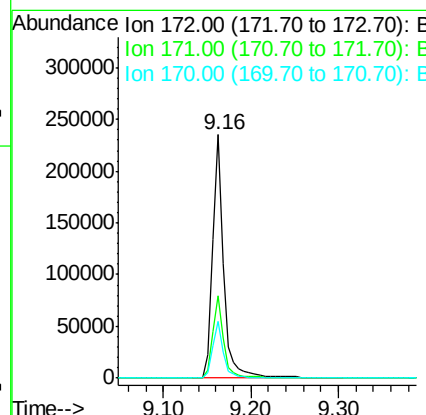
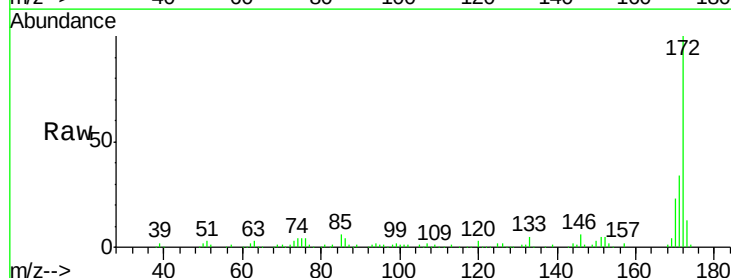
RT: 9.16 min Scan# 1203

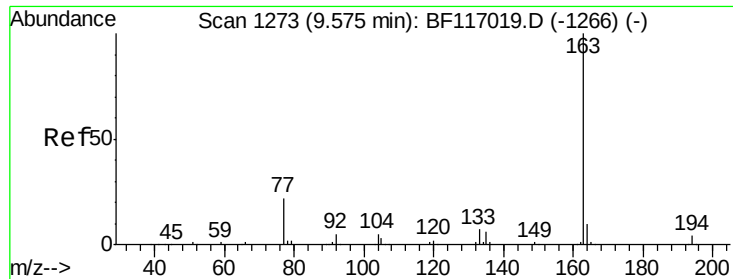
Delta R.T. -0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	209576		
171	33.7		28.2	42.2
170	23.1		18.9	28.3





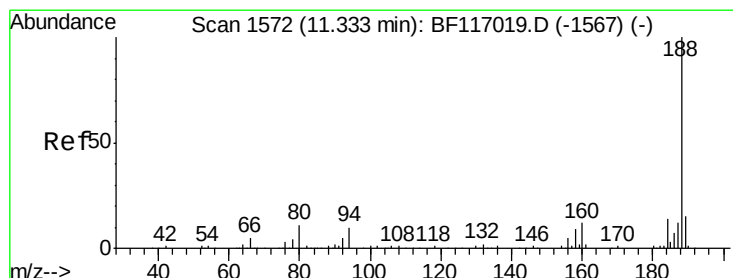
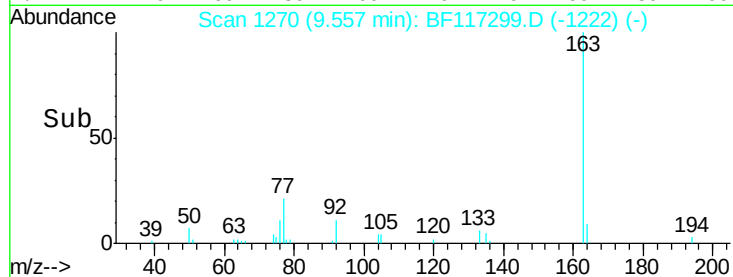
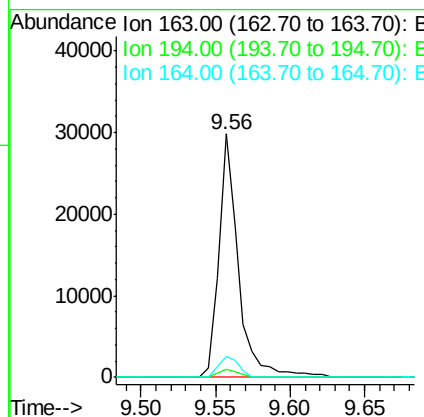
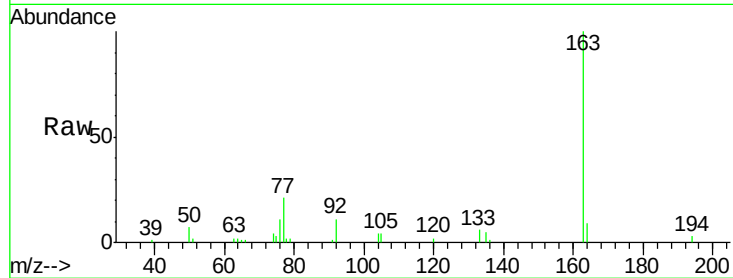
#50
Dimethylphthalate
Concen: 6.692 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	8.7	8.2	12.4

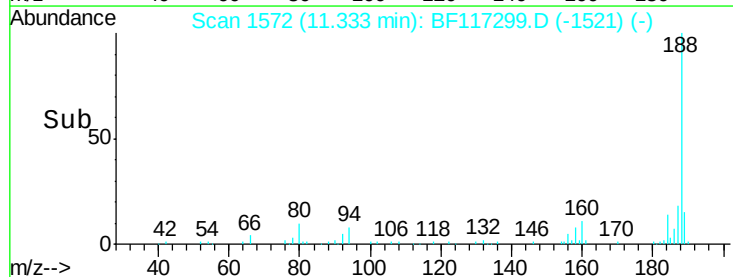
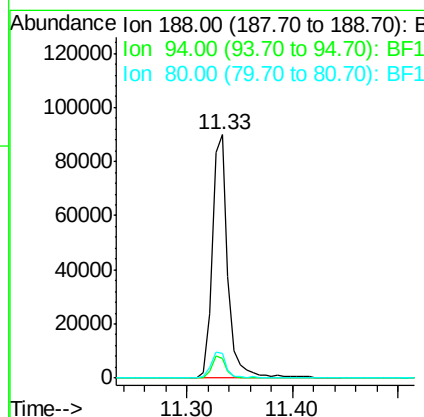
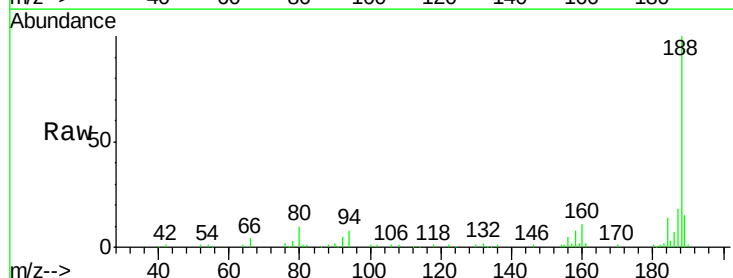
Manual Integrations
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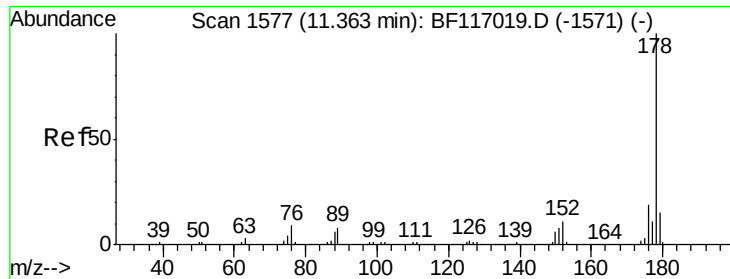
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	10.0	9.0	13.6





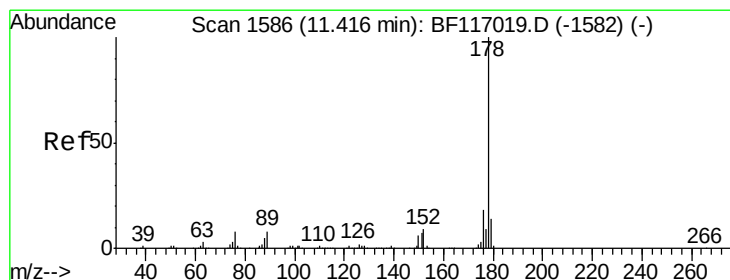
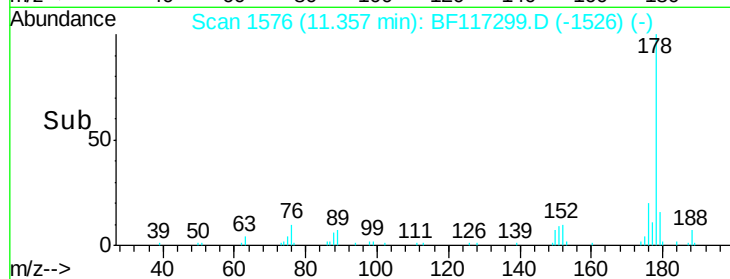
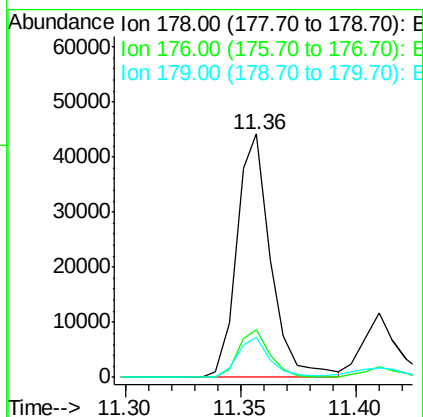
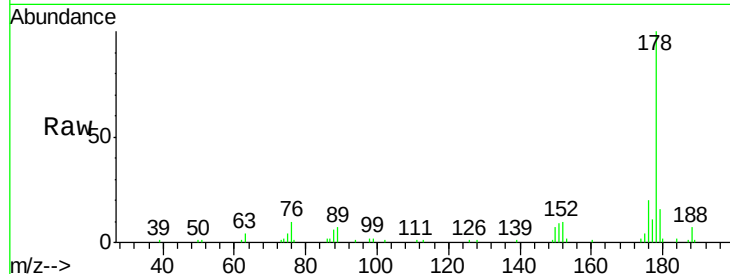
#71
Phenanthrene
Concen: 8.469 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.4	18.6

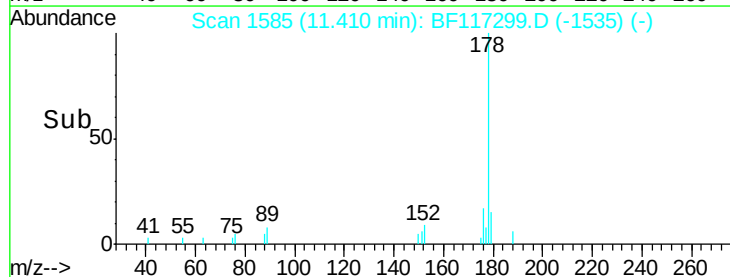
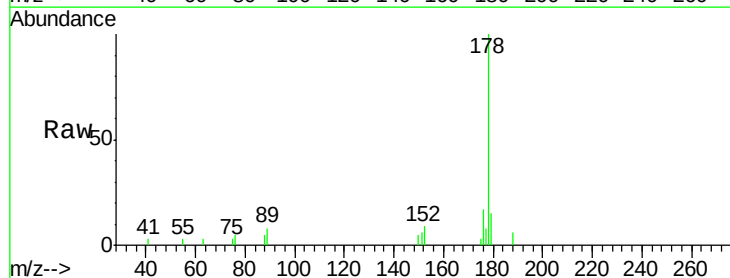
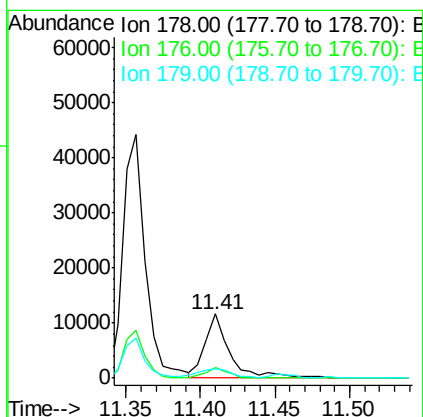
Manual Integrations
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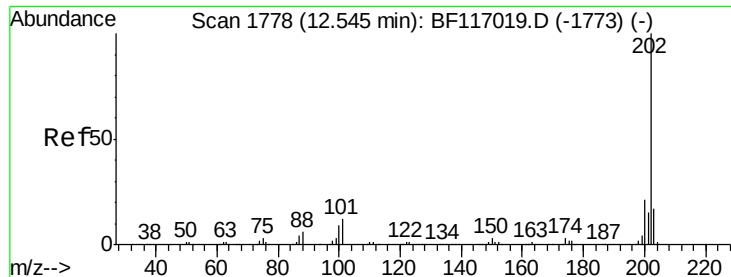
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#72
Anthracene
Concen: 2.472 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.6	21.8
179	14.8	11.6	17.4





#75

Fluoranthene

Concen: 17.037 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

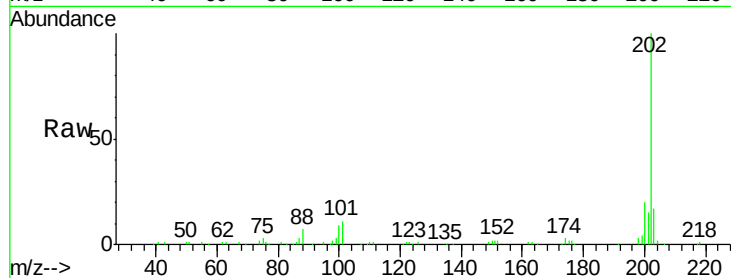
ClientSampled :

COMP-1

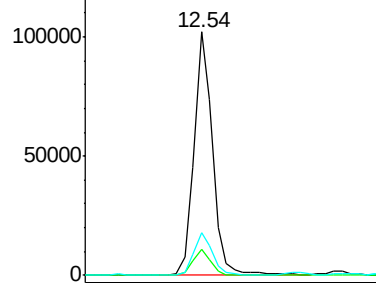
Tot Ion:	202	Resp:	93249
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	32.3
203	17.3	0.0	37.1

Manual Integrations
APPROVED

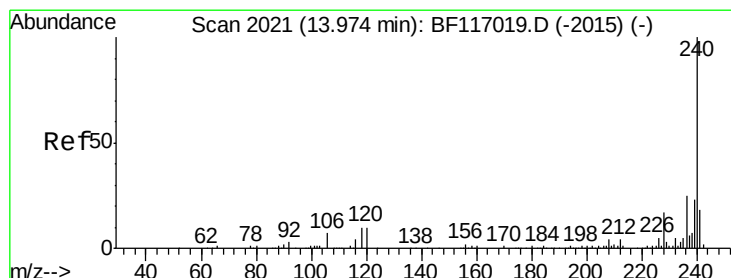
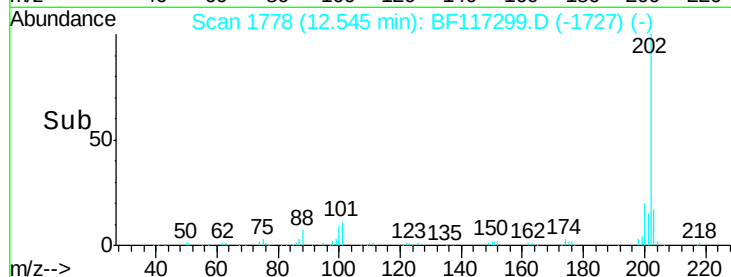
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

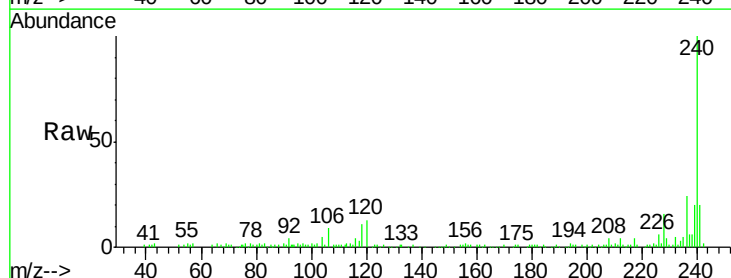
RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

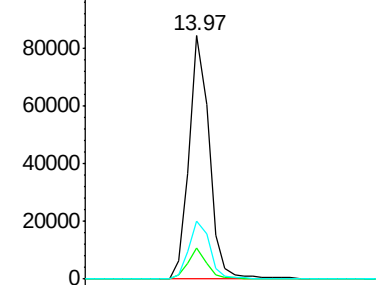
Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

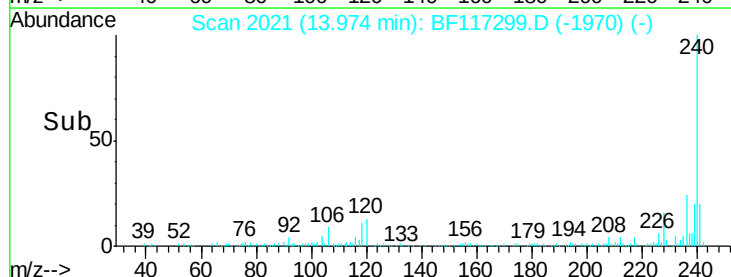
Tgt Ion:	240	Resp:	74966
Ion Ratio	Lower	Upper	
240	100		
120	12.7	8.3	12.5#
236	23.6	20.3	30.5

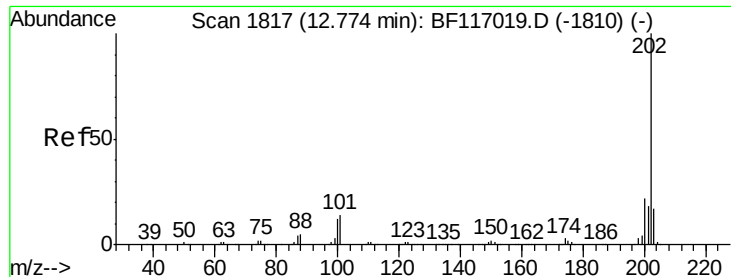


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Pvrene

Concen: 13.360 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

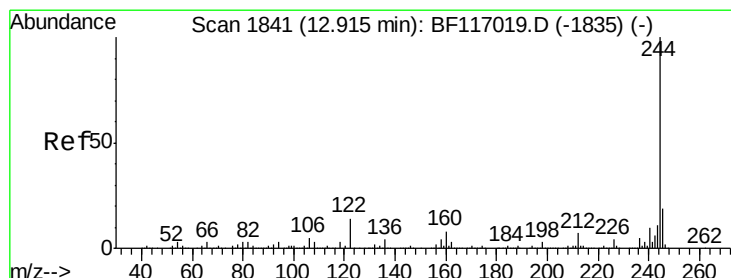
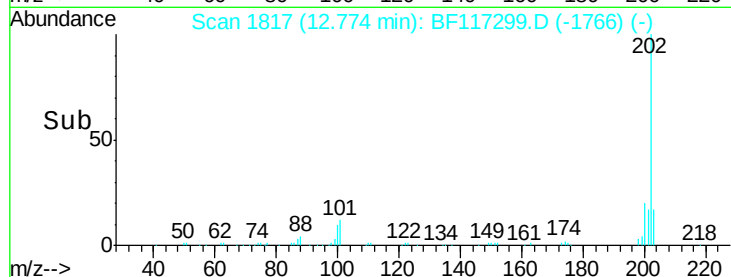
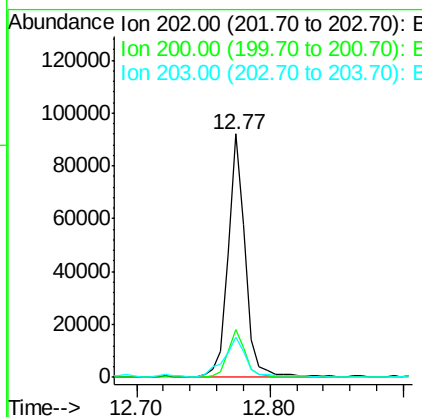
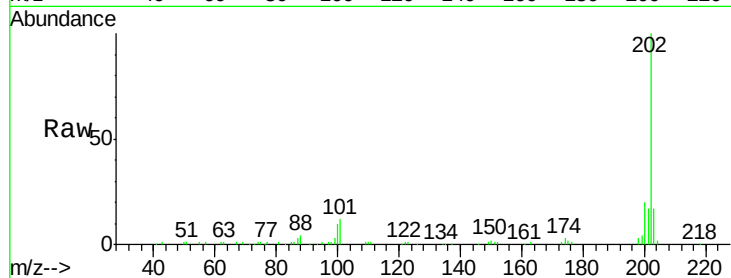
ClientSampleId :

COMP-1

Tot Ion:	202	Resp:	84037
Ion Ratio	Lower	Upper	
202	100		
200	19.6	17.2	25.8
203	16.6	14.0	21.0

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#79

Terphenyl-d14

Concen: 53.256 ng

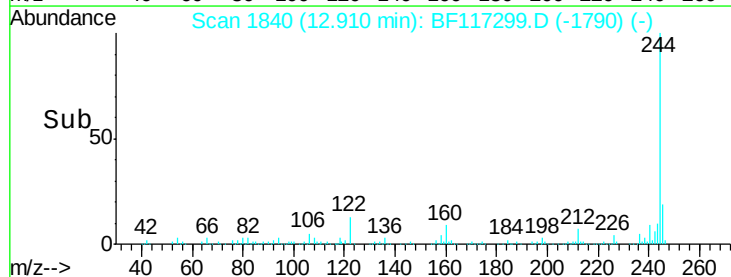
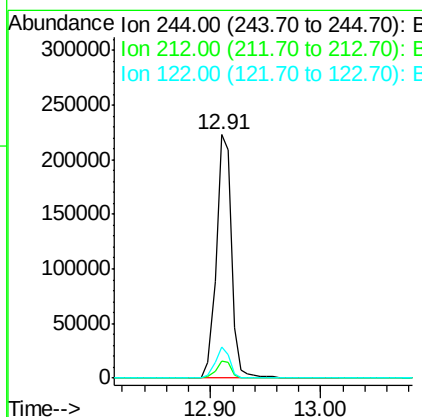
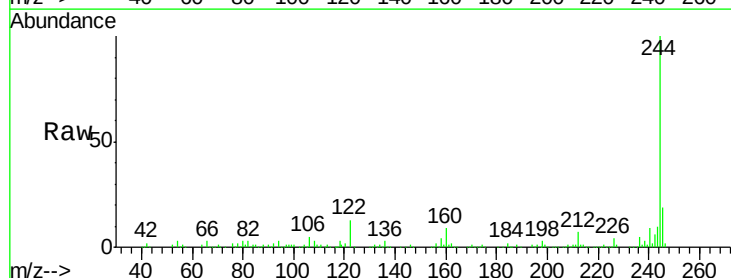
RT: 12.91 min Scan# 1840

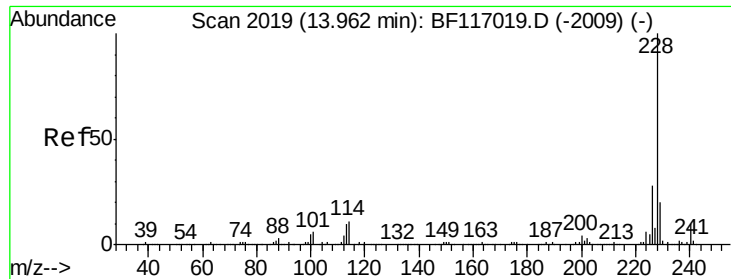
Delta R.T. -0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Tgt Ion:	244	Resp:	213586
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	12.6	11.3	16.9





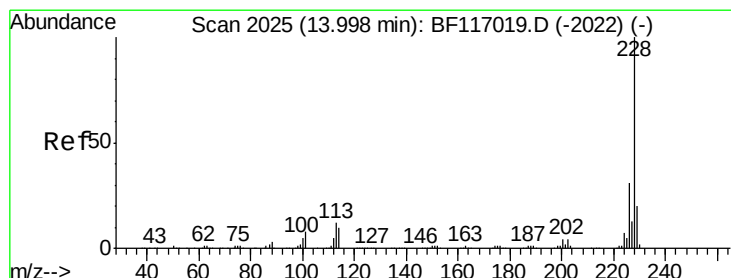
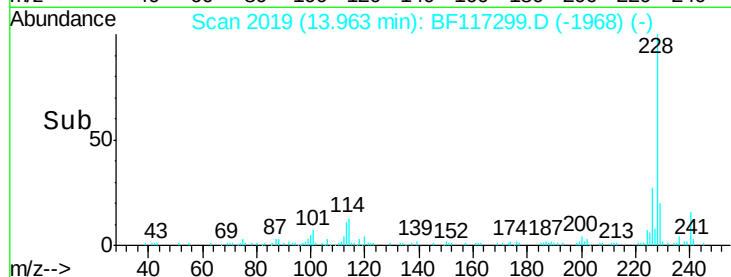
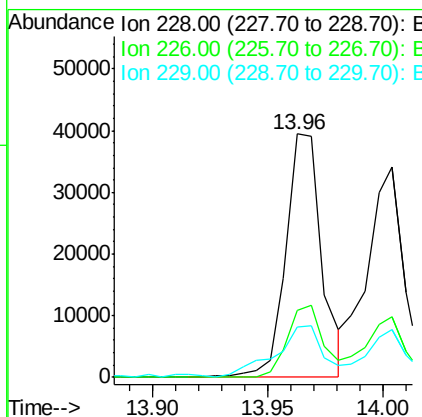
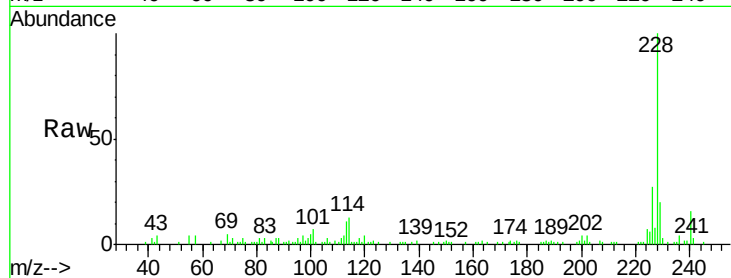
#81
Benzo(a)anthracene
Concen: 8.518 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampled :
COMP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.3	33.5
229	20.5	15.9	23.9

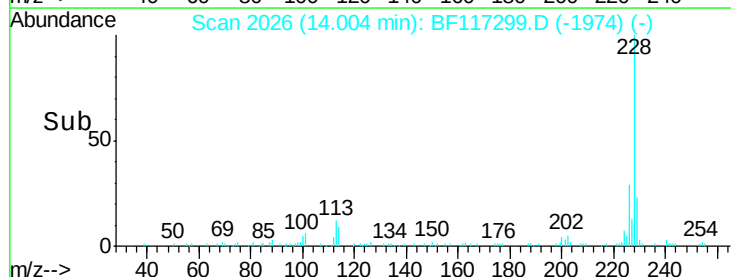
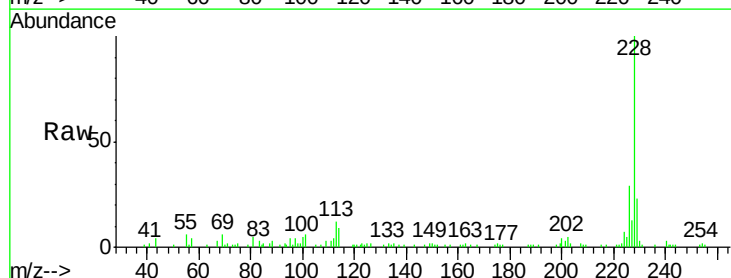
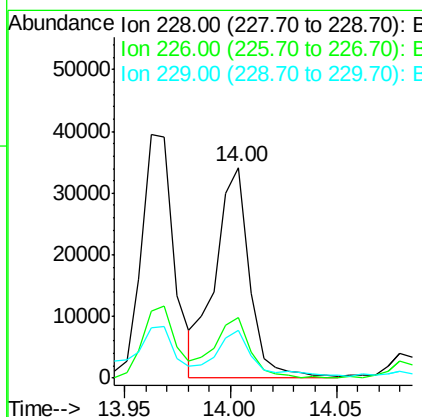
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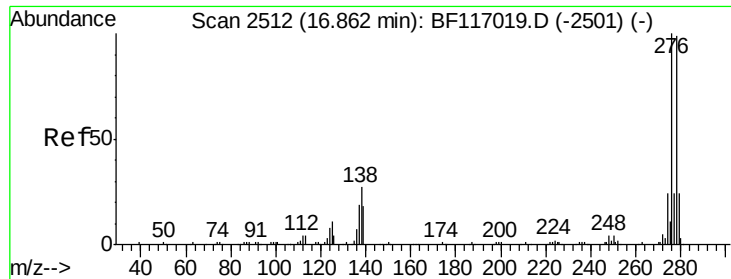
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#83
Chrysene
Concen: 7.948 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.8	37.2
229	22.5	15.8	23.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.129 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.03 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

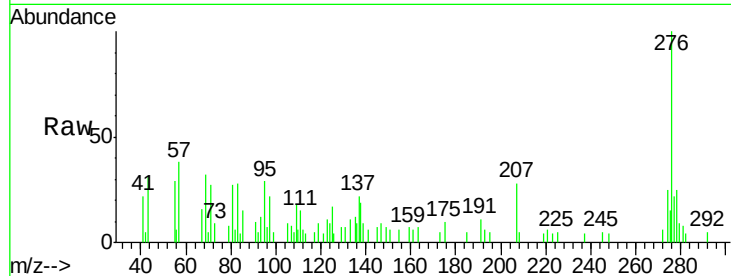
ClientSampled :

COMP-1

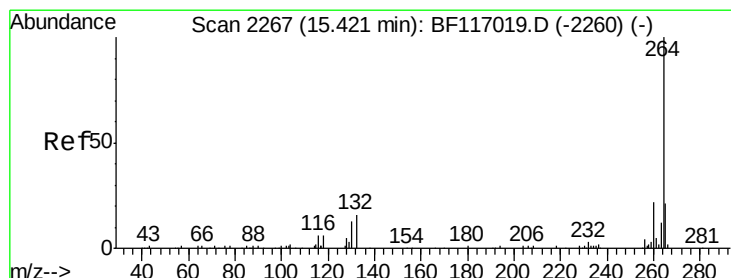
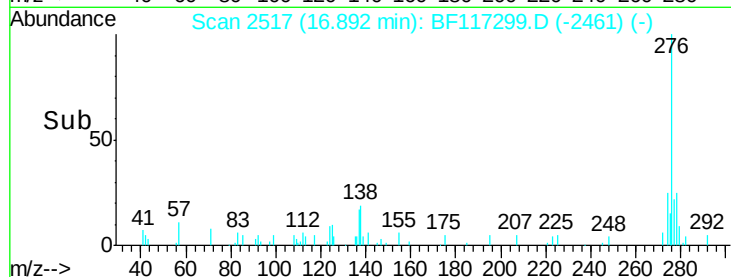
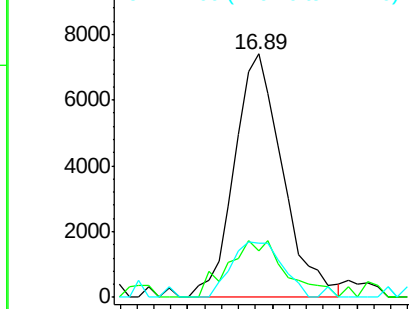
Tot Ion:	276	Resp:	14715
Ion Ratio	Lower	Upper	
276	100		
138	27.9	20.7	31.1
277	23.8	19.8	29.8

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

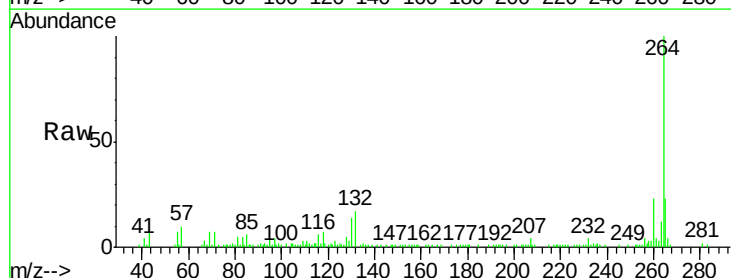
RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

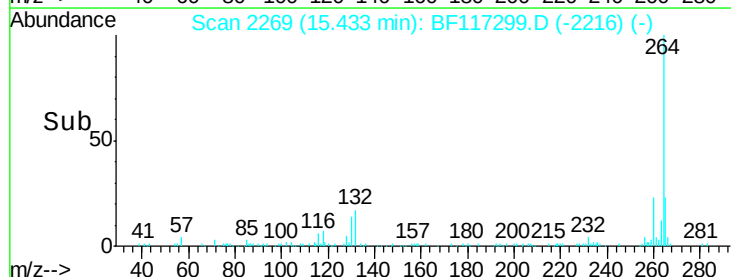
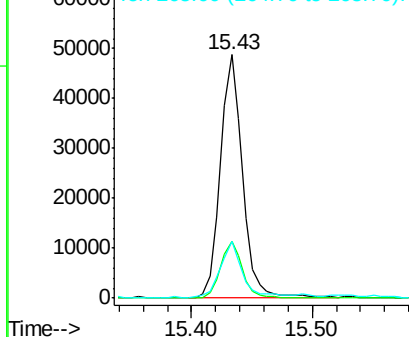
Lab File: BF117299.D

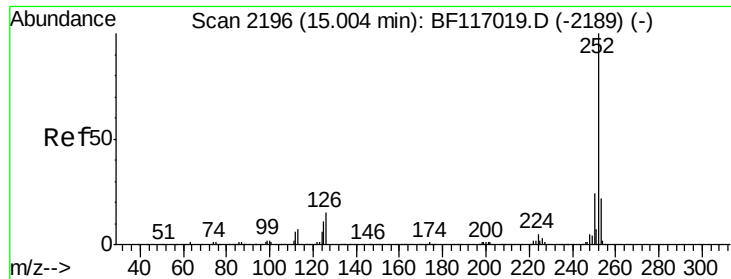
Acq: 2 Oct 2019 15:05

Tgt Ion:	264	Resp:	61970
Ion Ratio	Lower	Upper	
264	100		
260	23.4	17.6	26.4
265	23.0	16.6	24.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





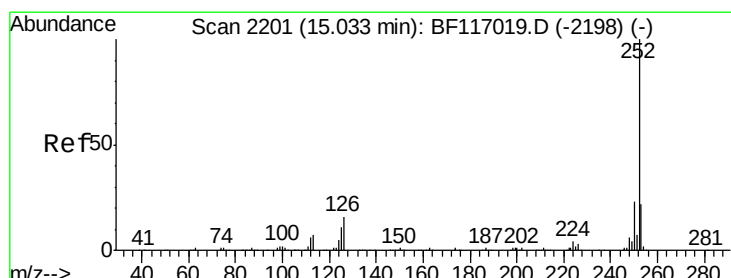
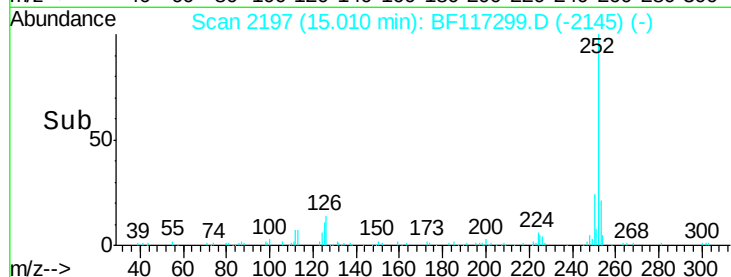
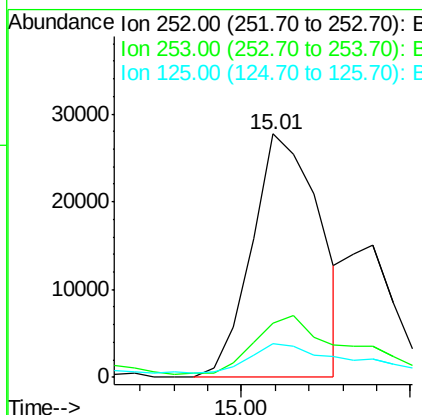
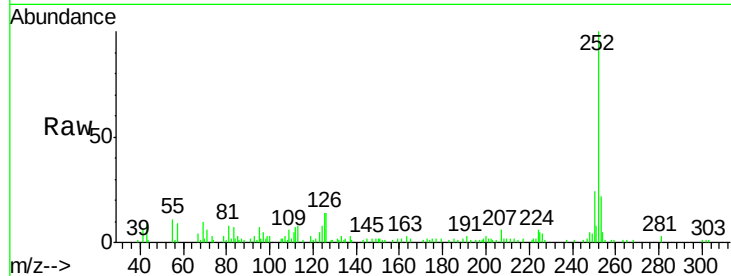
#88
Benzo(b)fluoranthene
Concen: 10.287 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	13.7	8.6	12.8#

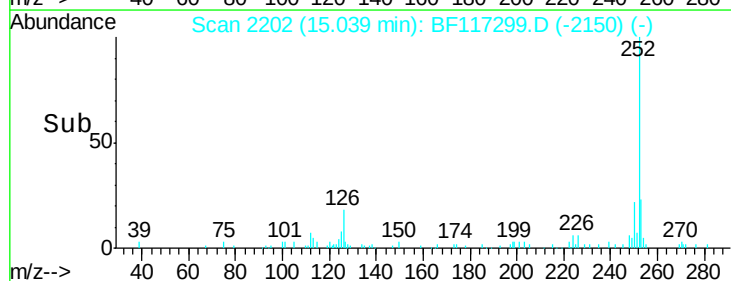
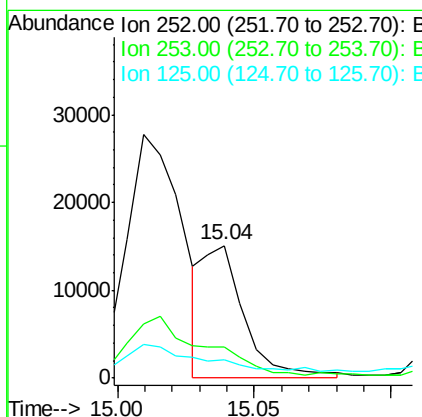
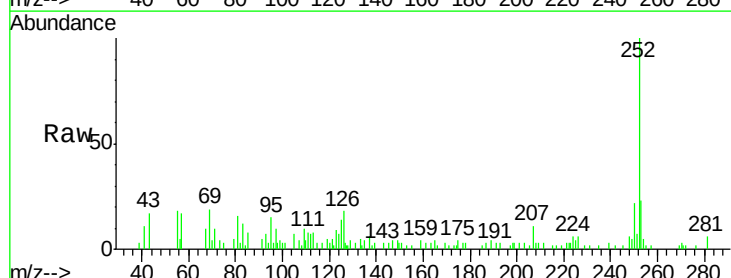
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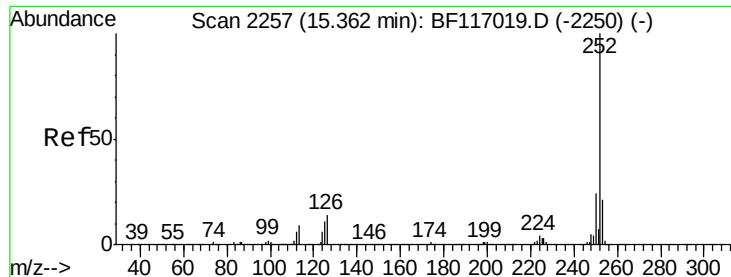
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.532 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	14.1	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 8.122 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

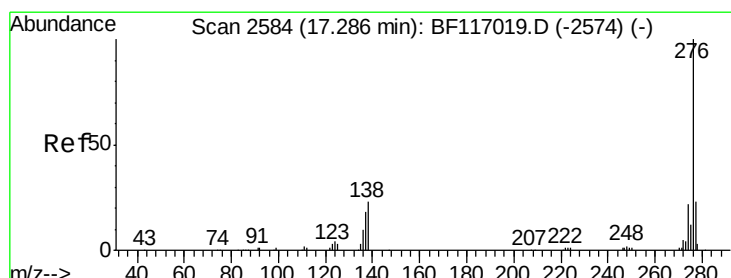
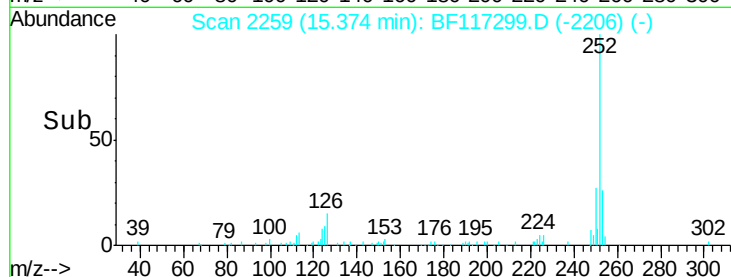
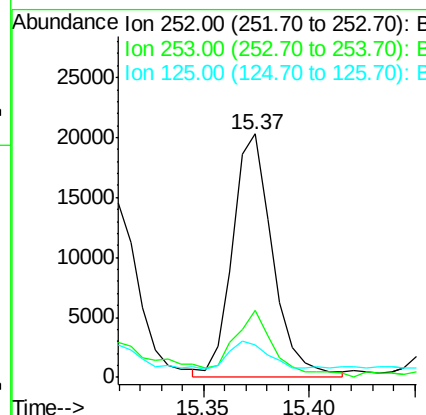
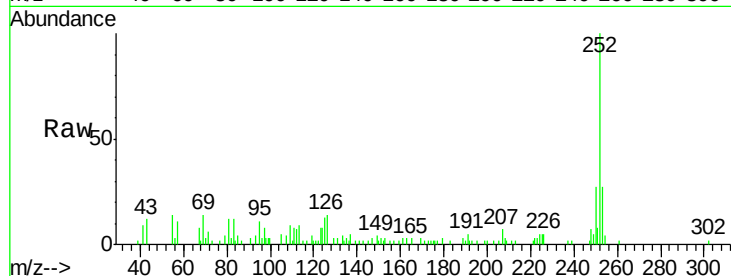
ClientSampled :

COMP-1

Tot Ion:	252	Resp:	26754
Ion Ratio	Lower	Upper	
252	100		
253	27.5	16.6	25.0#
125	13.4	8.9	13.3#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 5.042 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.04 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Tgt Ion:	276	Resp:	13184
Ion Ratio	Lower	Upper	
276	100		
277	27.9	18.6	27.8#
138	24.8	18.0	27.0

