

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052319\
 Data File : BF114554.D
 Acq On : 24 May 2019 5:04
 Operator : JU/SJ
 Sample : K3008-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-19

Manual Integrations
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mohammad
 5/24/2019 1:37:04 PM

Quant Time: Jun 10 04:19:46 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 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	173946	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	698693	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	331944	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	605964	20.00	ng	0.00
76) Chrysene-d12	13.99	240	378645	20.00	ng	0.00
87) Perylene-d12	15.46	264	311661	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	267598	24.76	ng	0.00
7) Phenol-d6	6.46	99	397787	31.12	ng	0.00
23) Nitrobenzene-d5	7.37	82	226190	18.17	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	65216	19.00	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	437627	19.94	ng	0.00
79) Terphenyl-d14	12.92	244	386703	21.05	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	56081	2.301	ng	99
71) Phenanthrene	11.36	178	500637	16.982	ng	98
72) Anthracene	11.42	178	124089	4.191	ng	95
75) Fluoranthene	12.56	202	1251357	39.416	ng	99
78) Pyrene	12.79	202	1121675	36.824	ng	99
81) Benzo(a)anthracene	13.97	228	702237	28.674	ng	99
83) Chrysene	14.01	228	617838	25.735	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	206821	9.748	ng	94
88) Benzo(b)fluoranthene	15.03	252	675698m	33.841	ng	
89) Benzo(k)fluoranthene	15.06	252	249311m	13.593	ng	
90) Benzo(a)pyrene	15.40	252	411821	23.436	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	59970	4.107	ng	# 89
92) Benzo(a,h,i)perylene	17.39	276	192080	13.126	ng	94

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

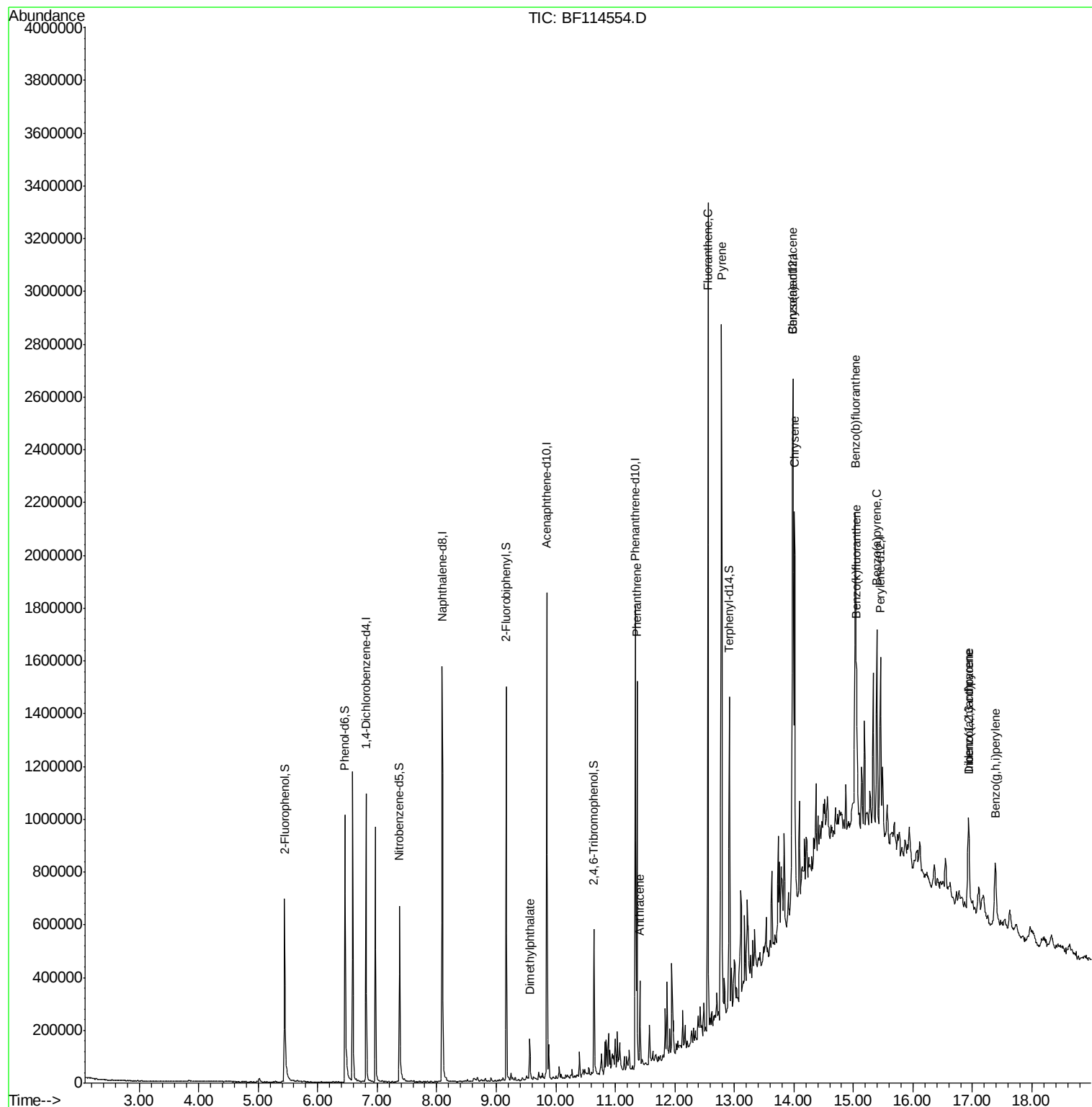
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052319\
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ALS Vial : 23 Sample Multiplier: 1

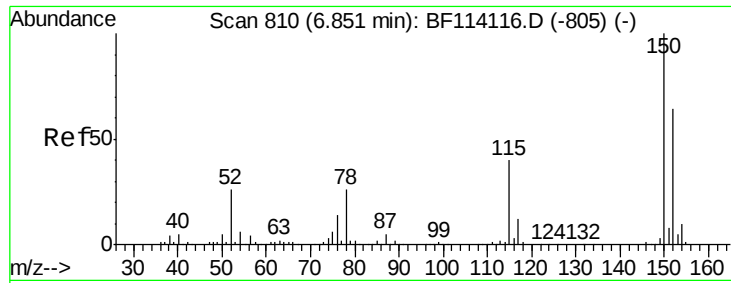
Instrument :
BNA_F
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Quant Time: Jun 10 04:19:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

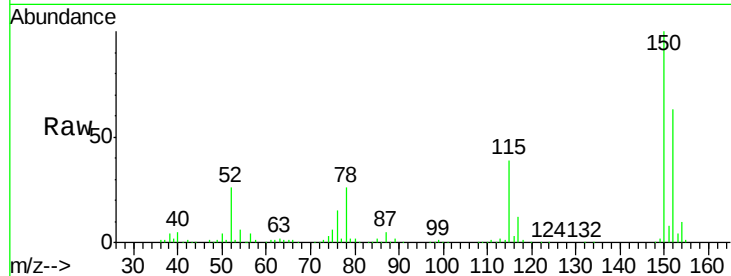
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

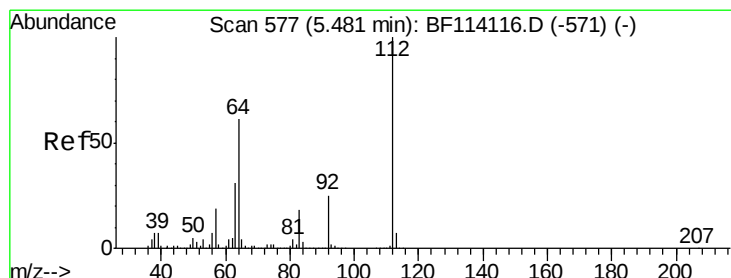
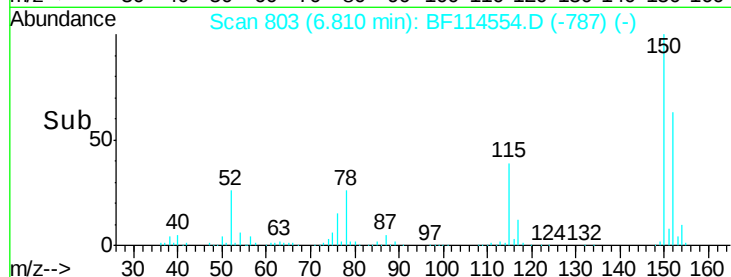
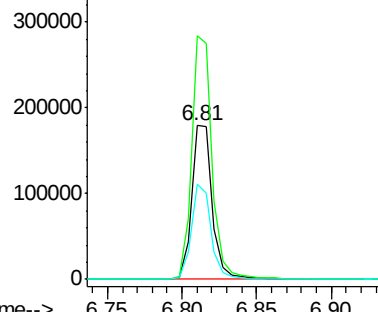
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.3	186.5
115	62.1	49.1	73.7

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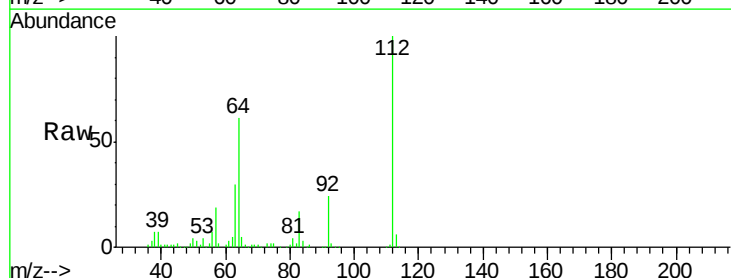
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



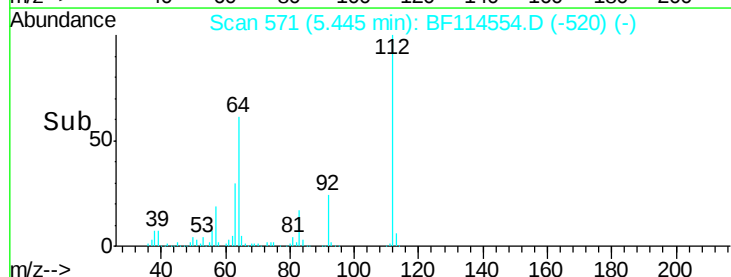
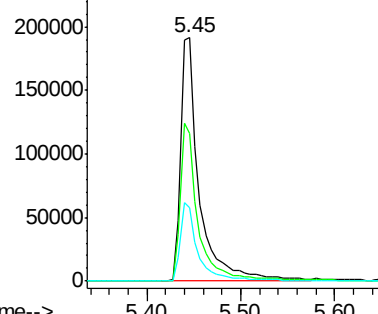
#5

2-Fluorophenol
Concen: 24.757 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	49.0	73.6
63	30.4	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: 31.115 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114554.D

Acq: 24 May 2019 5:04

Instrument :

BNA_F

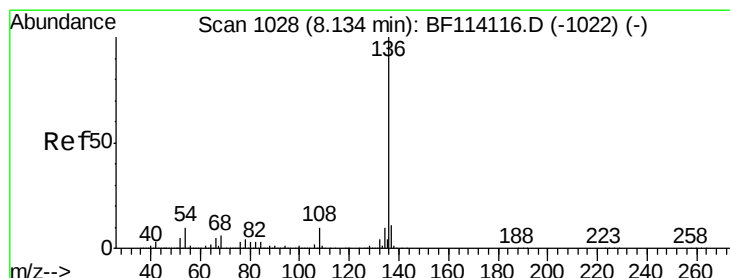
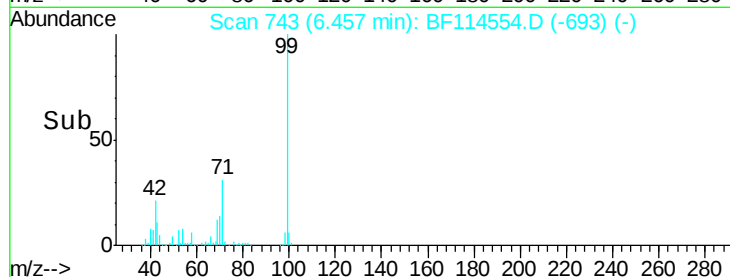
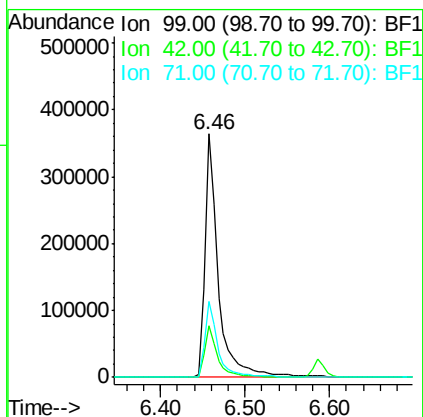
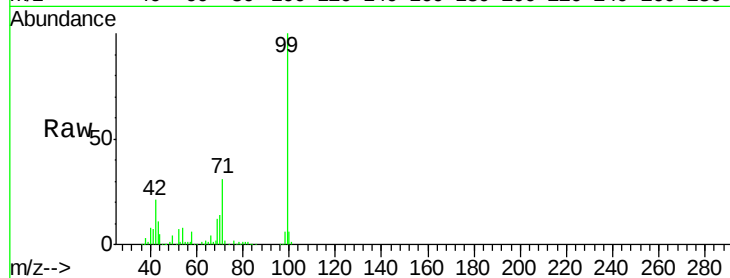
ClientSampleId :

COMP-19

Tot Ion:	99	Resp:	397787
Ion Ratio	Lower	Upper	
99	100		
42	21.1	17.9	26.9
71	31.3	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

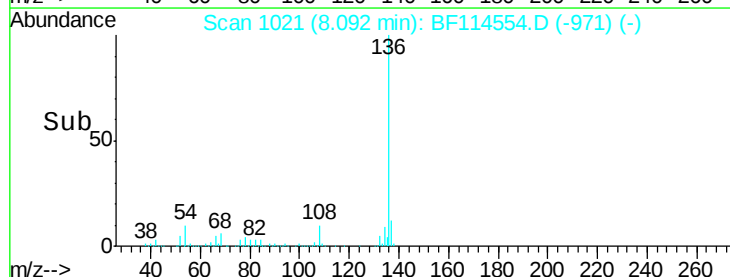
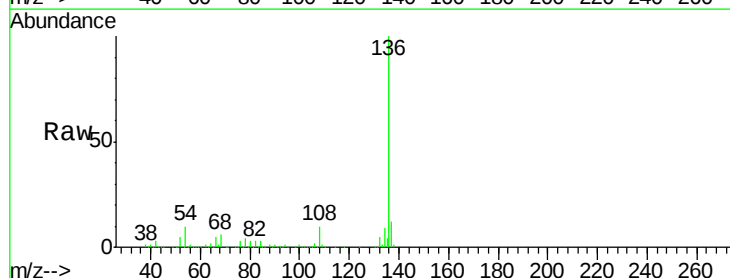
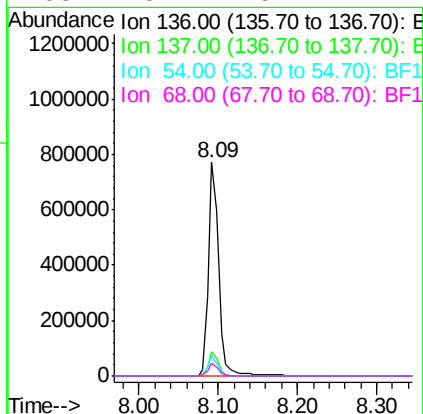
RT: 8.09 min Scan# 1021

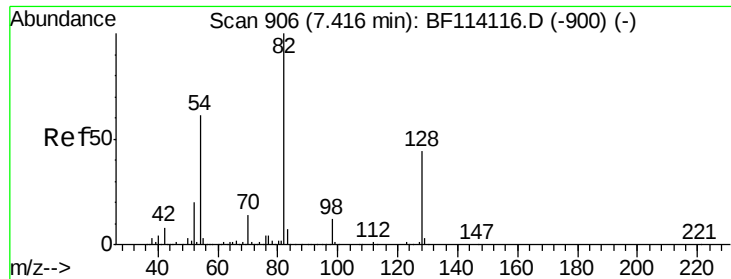
Delta R.T. -0.01 min

Lab File: BF114554.D

Acq: 24 May 2019 5:04

Tgt Ion:	136	Resp:	698693
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.8	13.2
54	9.7	7.8	11.8
68	6.2	5.1	7.7





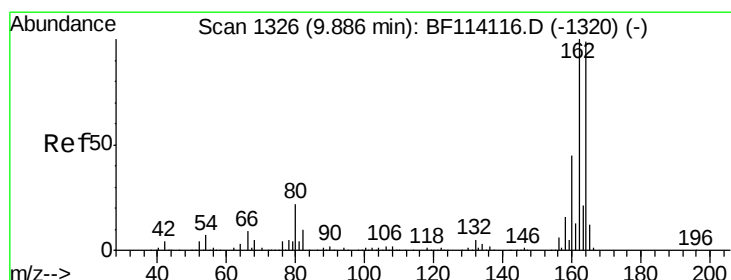
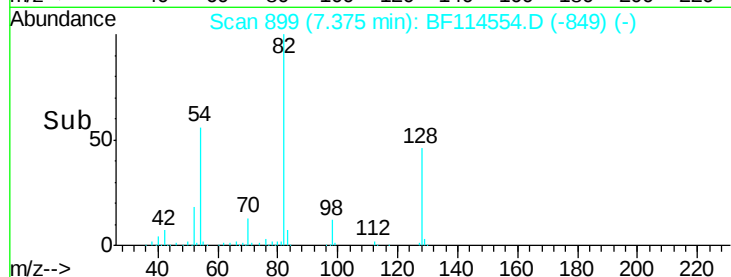
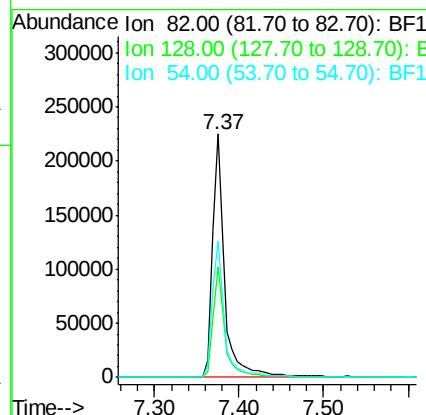
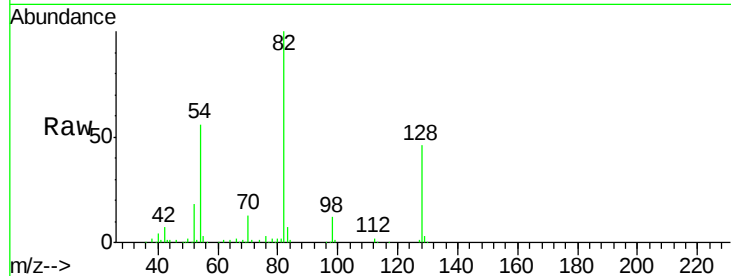
#23
Nitrobenzene-d5
Concen: 18.168 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

Tot Ion	Ratio	Resp	Lower	Upper
82	100	226190		
128	45.5	35.5	53.3	
54	55.9	48.5	72.7	

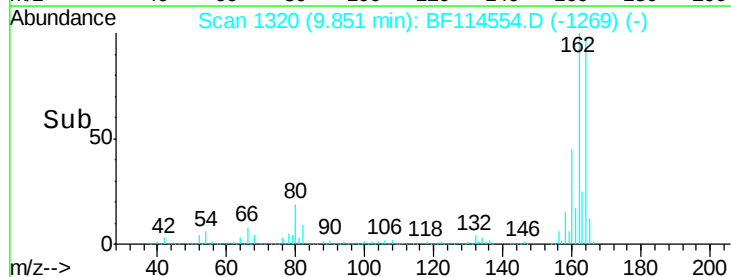
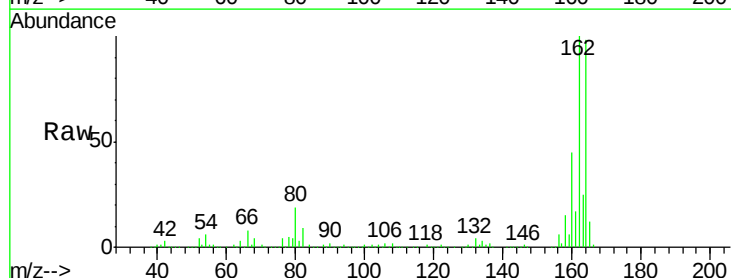
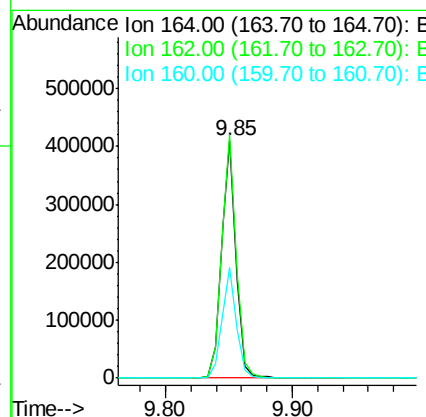
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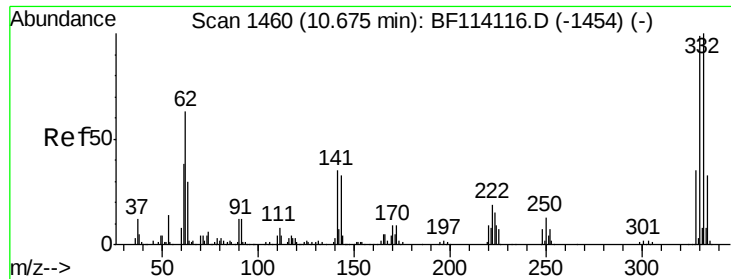
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	331944		
162	102.4	80.6	120.8	
160	46.3	36.5	54.7	





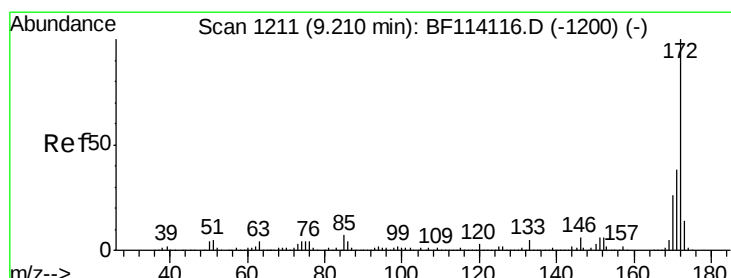
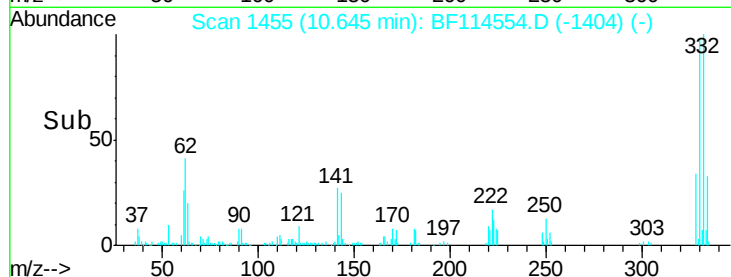
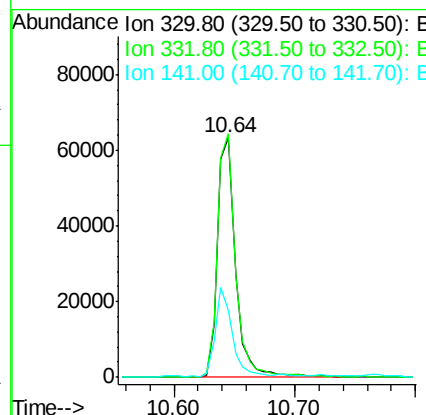
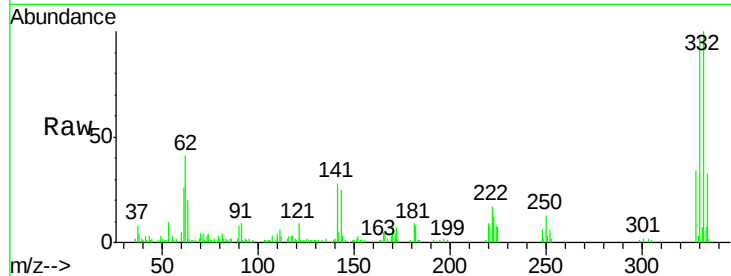
#42
 2,4,6-Tribromophenol
 Concen: 19.004 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF114554.D
 Acq: 24 May 2019 5:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-19

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.4	81.4	122.2
141	35.2	26.6	40.0

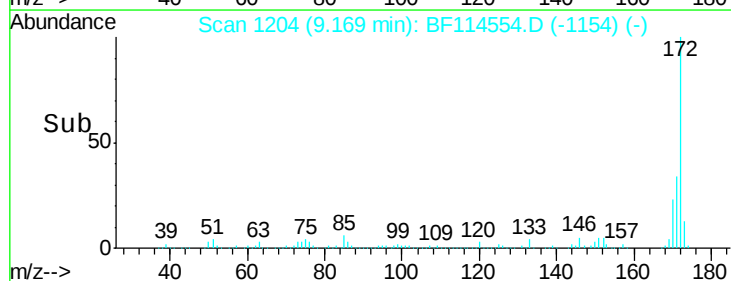
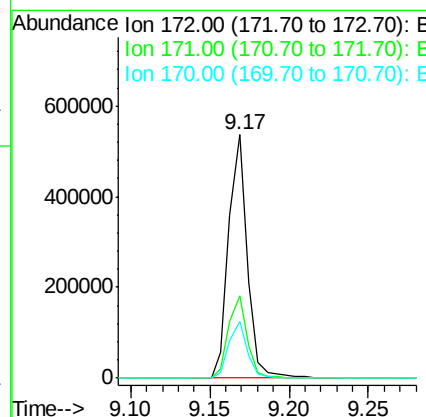
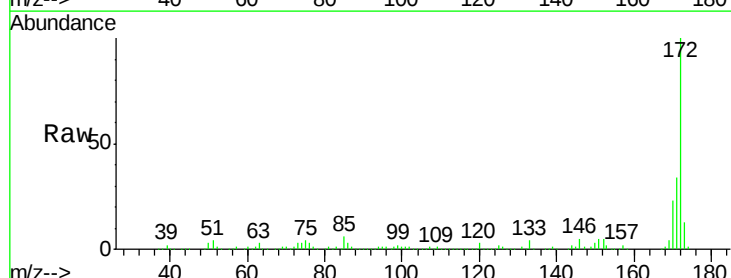
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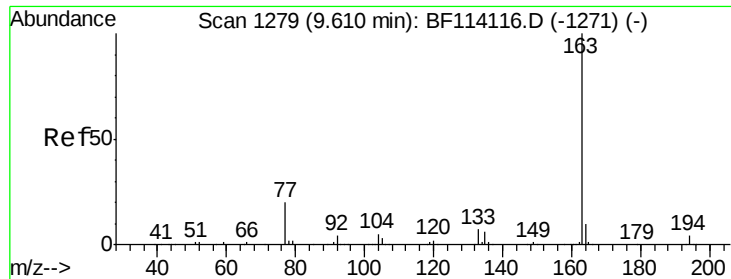
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#45
 2-Fluorobiphenyl
 Concen: 19.943 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114554.D
 Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	30.7	46.1
170	23.1	20.5	30.7





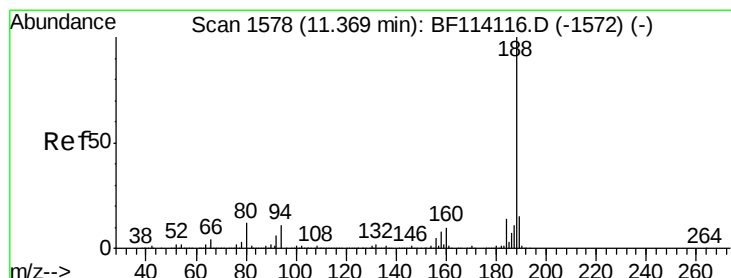
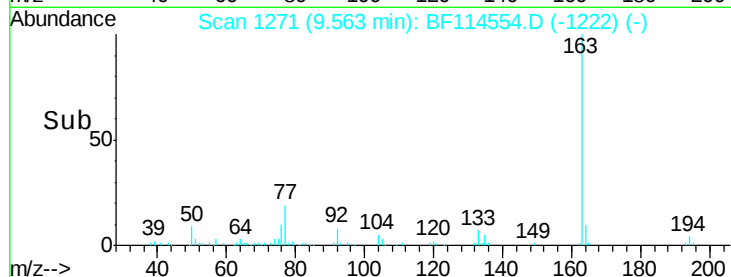
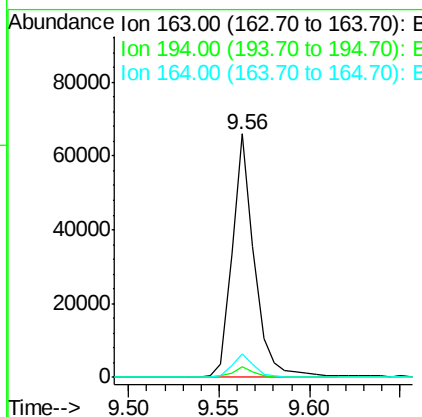
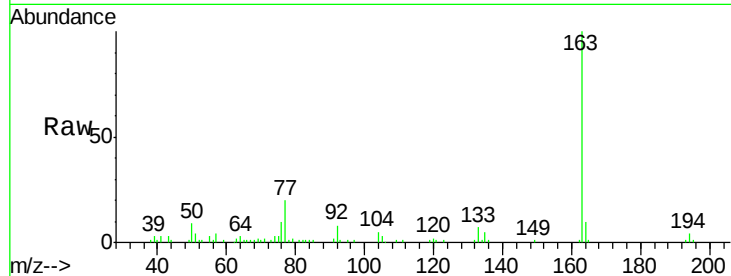
#50
Dimethylphthalate
Concen: 2.301 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

Tot Ion	Ratio	Resp	Lower	Upper
163	100	56081		
194	4.3		3.4	5.0
164	9.7		8.2	12.2

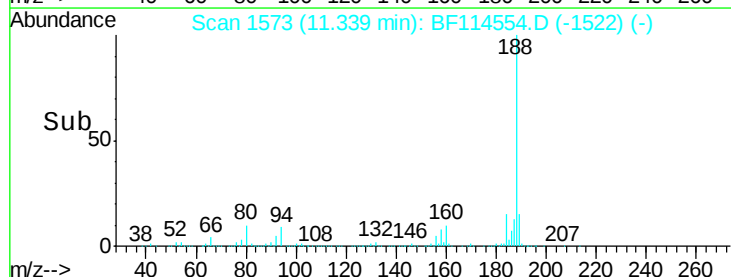
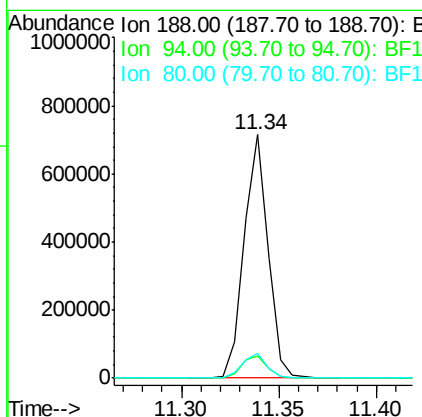
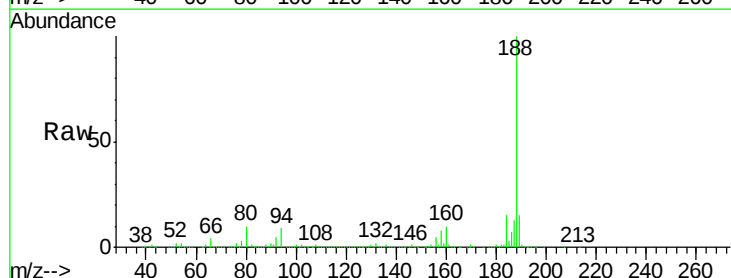
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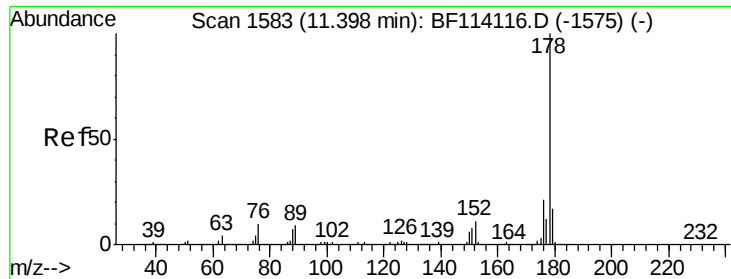
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	605964		
94	9.3		8.4	12.6
80	10.3		9.2	13.8





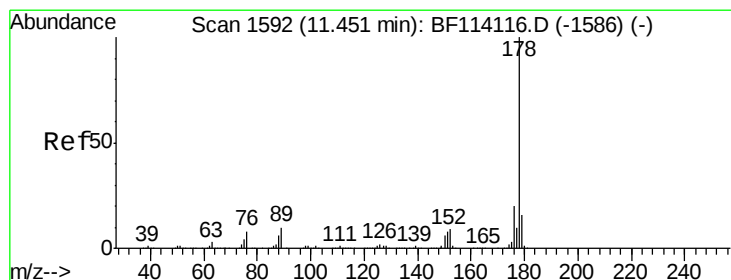
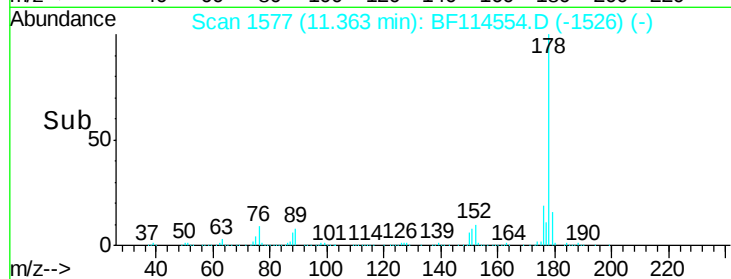
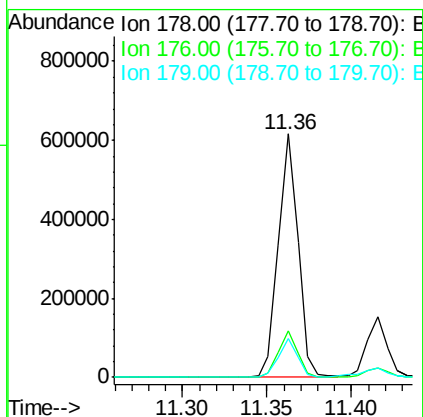
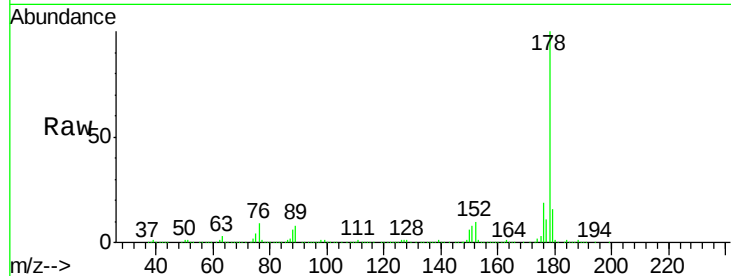
#71
Phenanthrene
Concen: 16.982 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.4	24.6
179	15.9	13.2	19.8

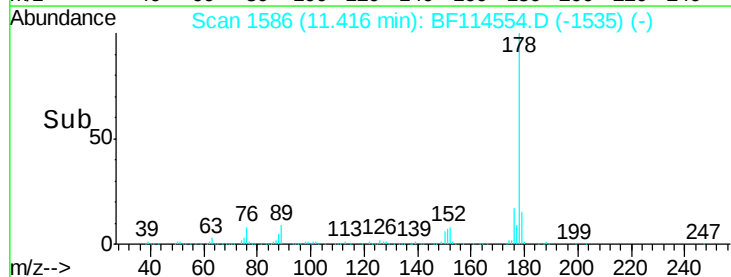
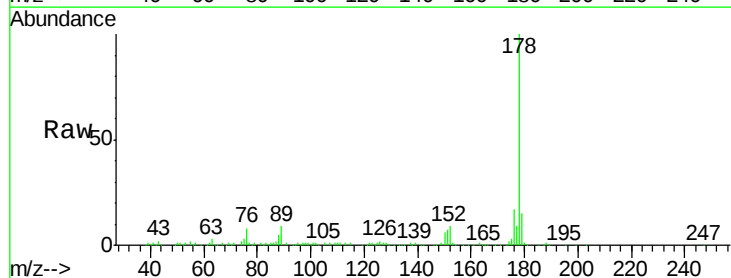
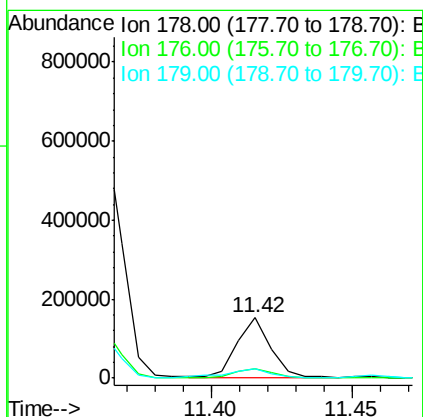
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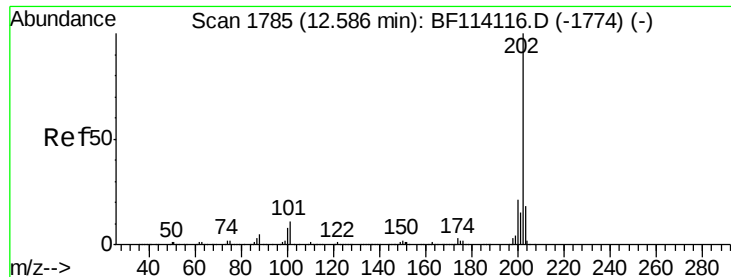
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#72
Anthracene
Concen: 4.191 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.8	23.8
179	14.9	13.0	19.4





#75

Fluoranthene

Concen: 39.416 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF114554.D

Acq: 24 May 2019 5:04

Instrument :

BNA_F

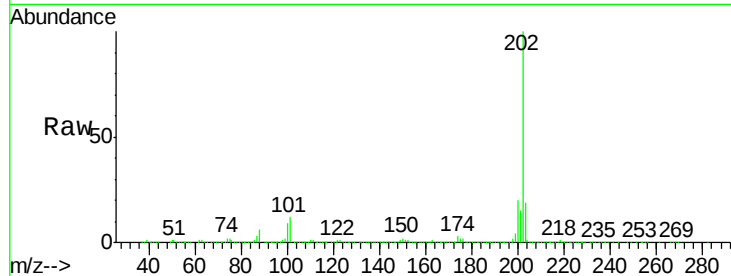
ClientSampleId :

COMP-19

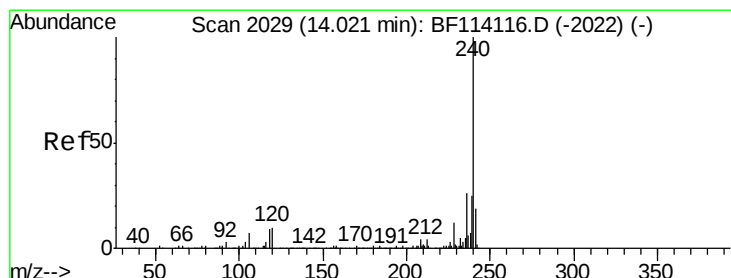
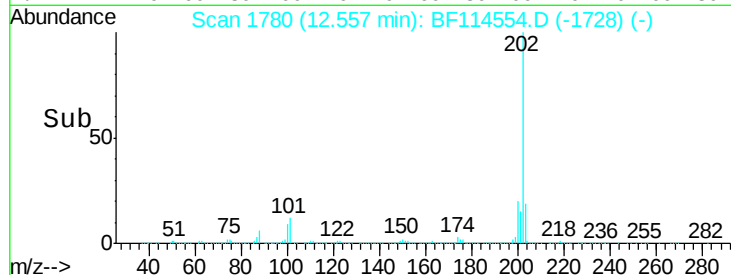
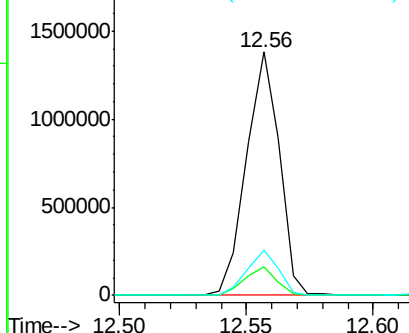
Tot Ion:	202	Resp:	1251357
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.0
203	18.6	0.0	38.4

Manual Integrations
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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



#76

Chrysene-d12

Concen: 20.000 ng

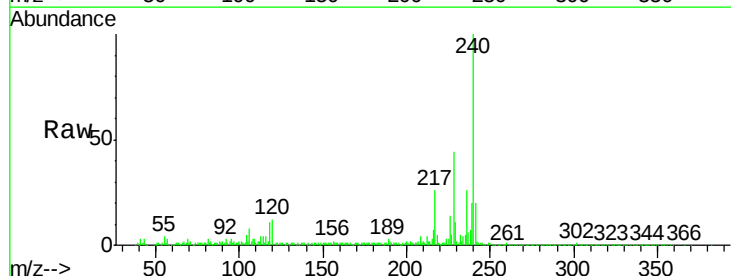
RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

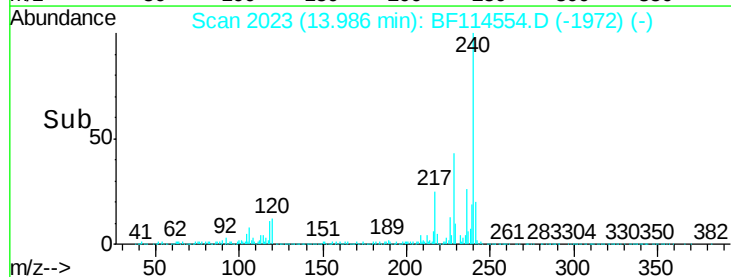
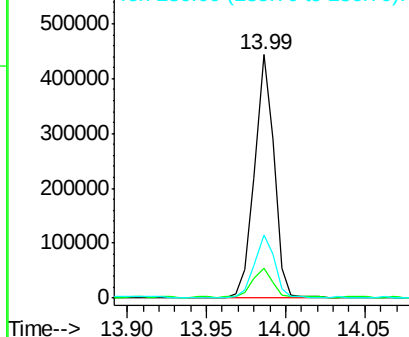
Lab File: BF114554.D

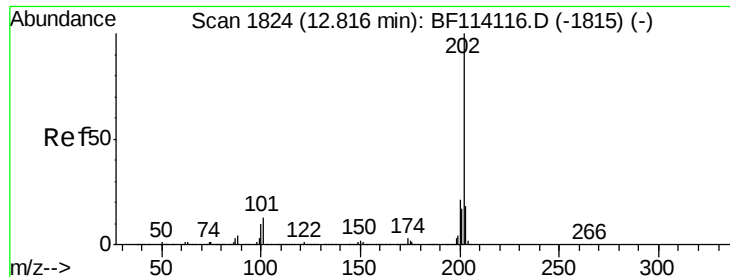
Acq: 24 May 2019 5:04

Tgt Ion:	240	Resp:	378645
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.3	12.5
236	26.1	20.8	31.2



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





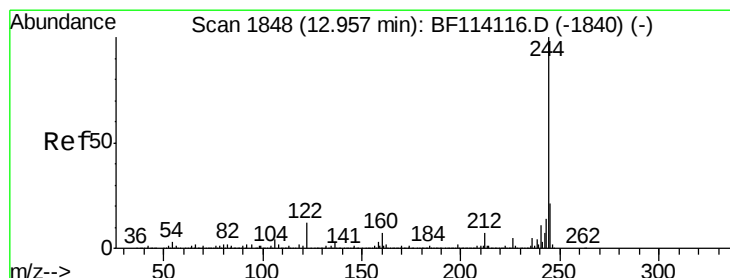
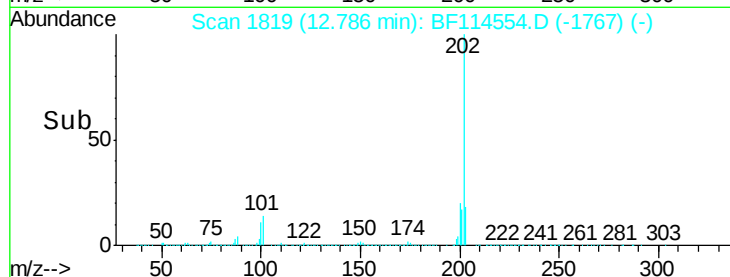
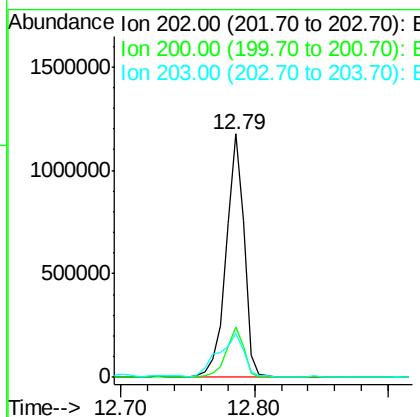
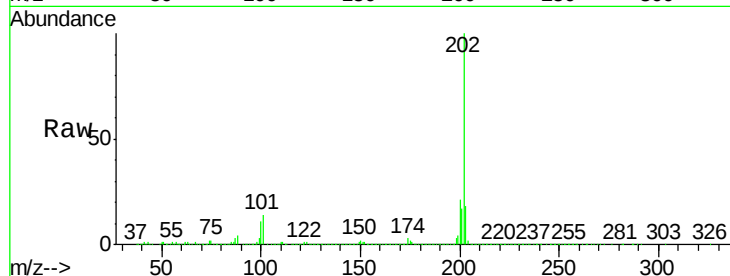
#78
Pvrene
Concen: 36.824 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.3	14.5	21.7

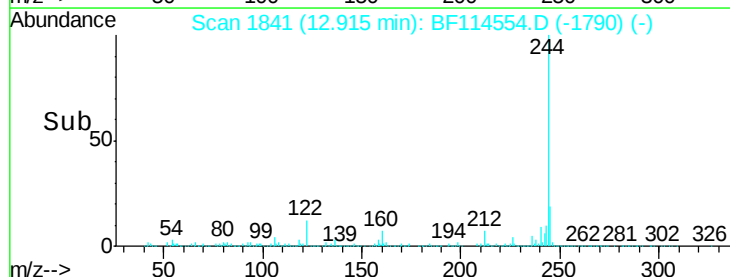
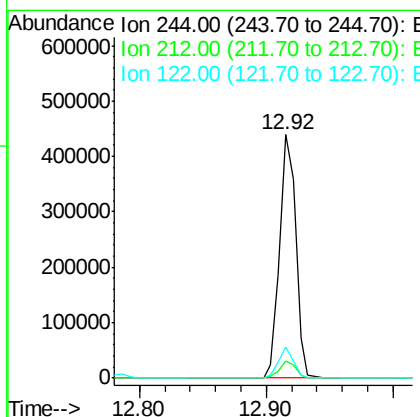
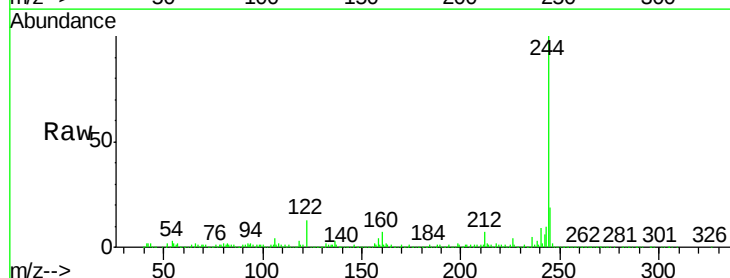
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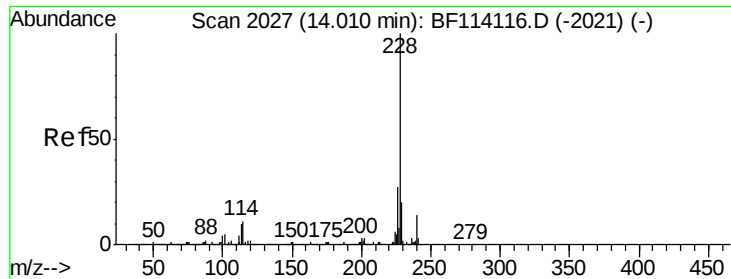
mohammad
5/24/2019 1:37:04 PM



#79
Terphenyl-d14
Concen: 21.053 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.6	9.4	14.2





#81

Benzo(a)anthracene

Concen: 28.674 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF114554.D

Acq: 24 May 2019 5:04

Instrument :

BNA_F

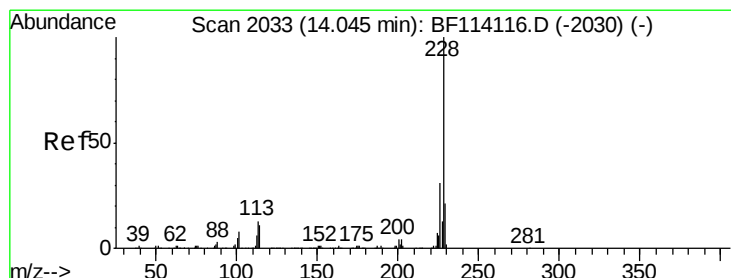
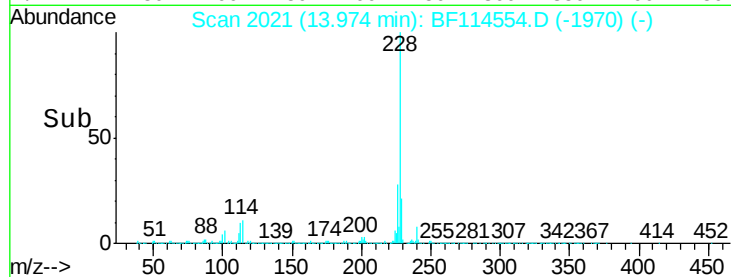
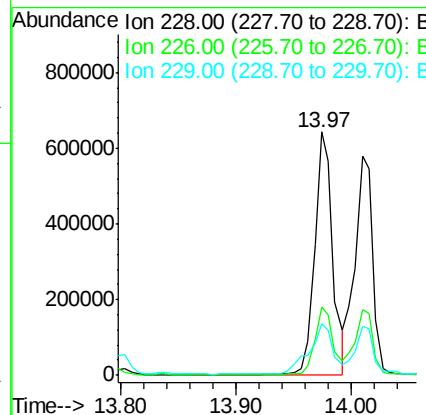
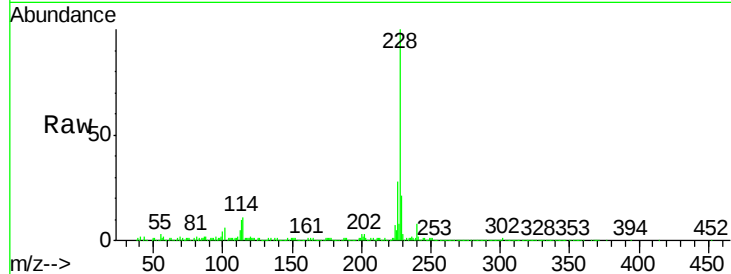
ClientSampleId :

COMP-19

Tot Ion:	228	Resp:	702237
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.2	33.2
229	21.1	16.4	24.6

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5/24/2019 1:37:04 PM



#83

Chrysene

Concen: 25.735 ng

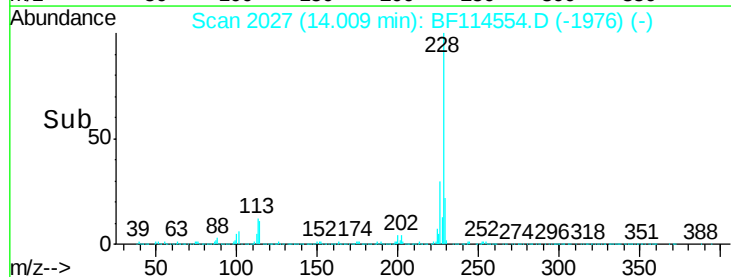
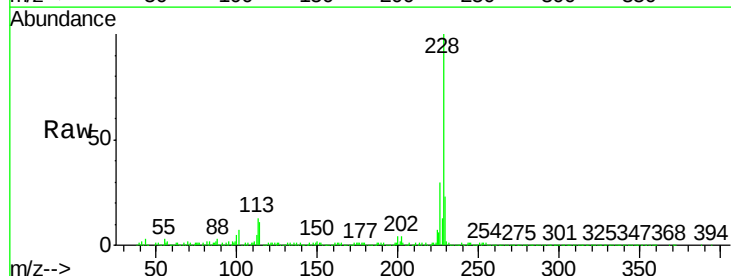
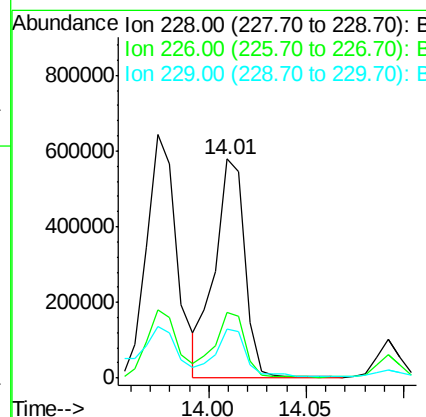
RT: 14.01 min Scan# 2027

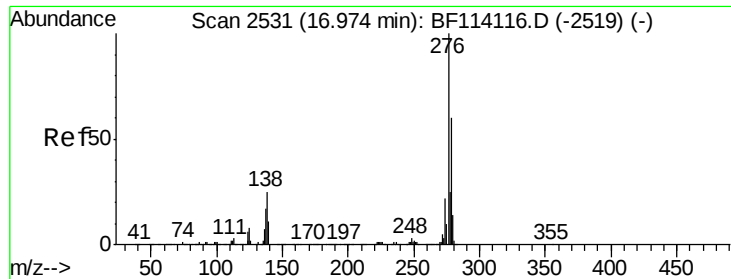
Delta R.T. -0.00 min

Lab File: BF114554.D

Acq: 24 May 2019 5:04

Tgt Ion:	228	Resp:	617838
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	22.7	17.0	25.6





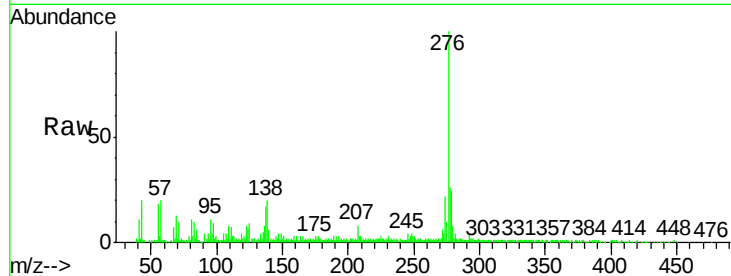
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.748 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

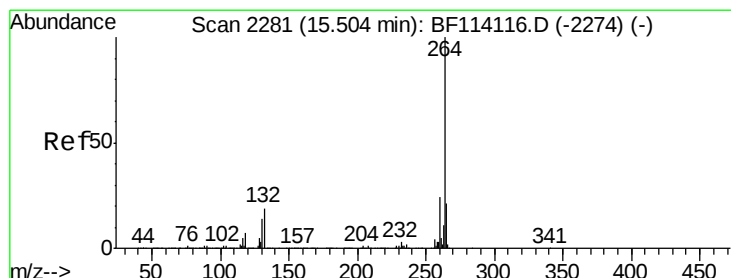
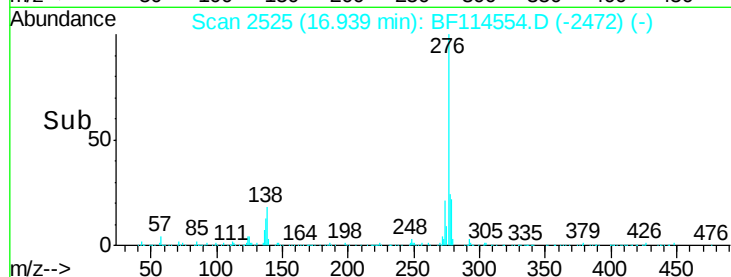
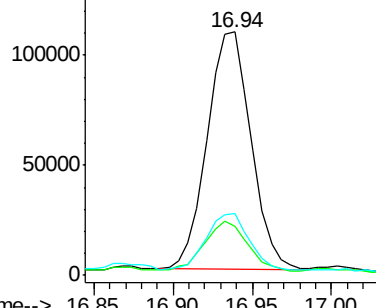
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.2	30.2
277	23.6	20.0	30.0

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5/24/2019 1:37:04 PM

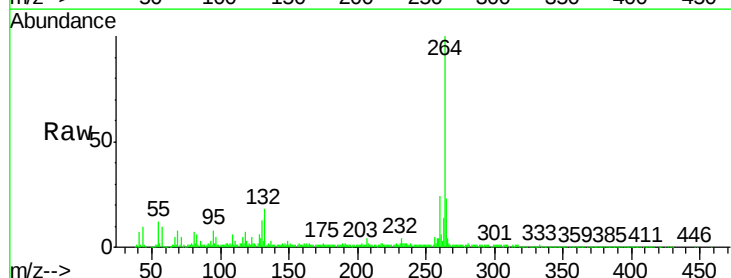


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

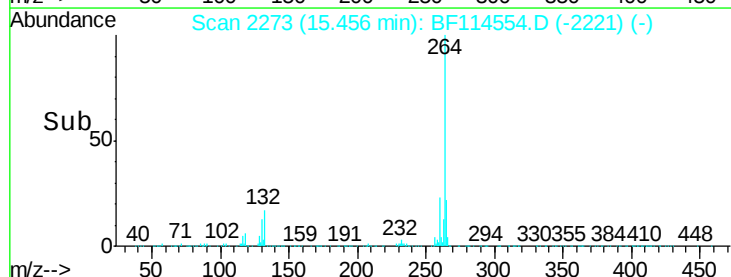
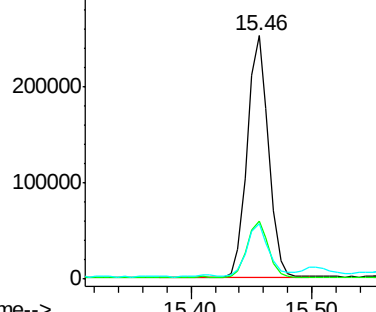


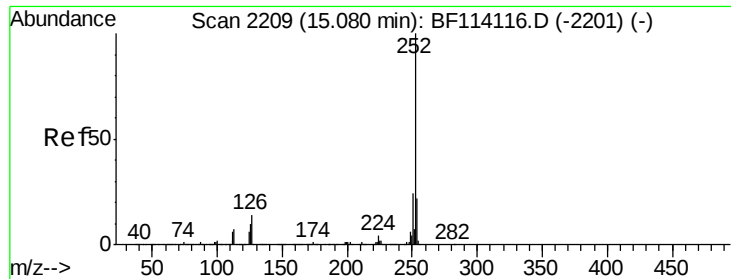
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.6	16.9	25.3



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





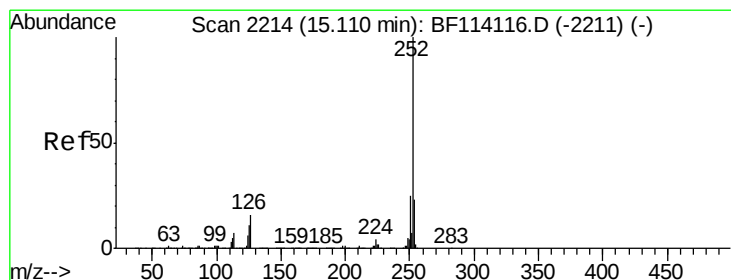
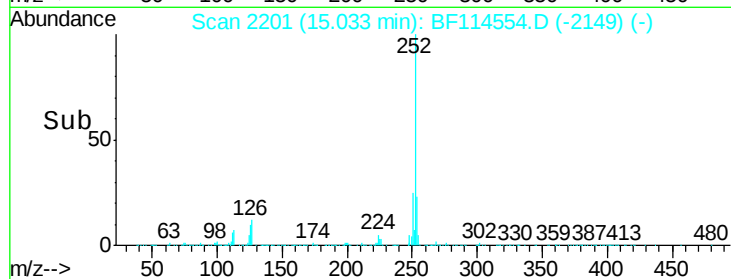
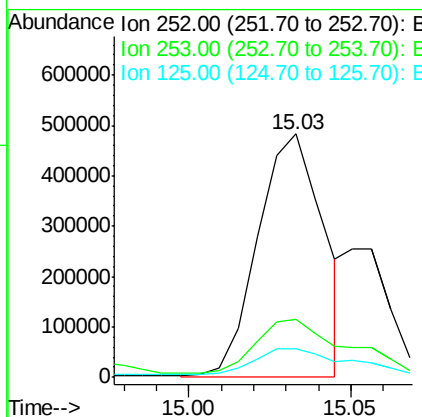
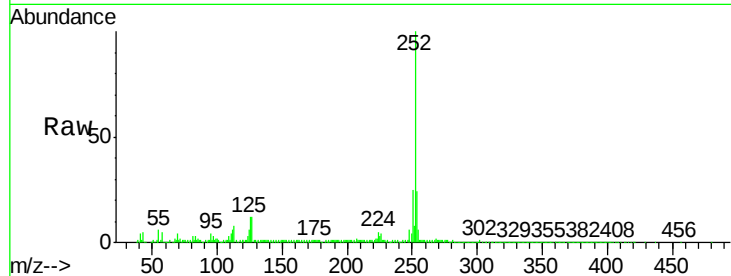
#88
Benzo(b)fluoranthene
Concen: 33.841 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	11.6	8.3	12.5

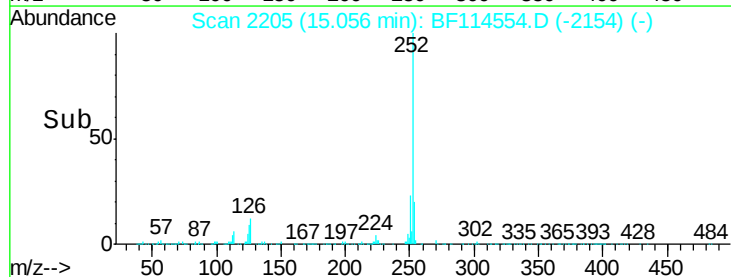
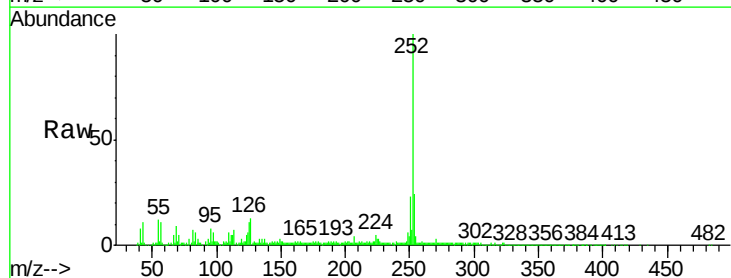
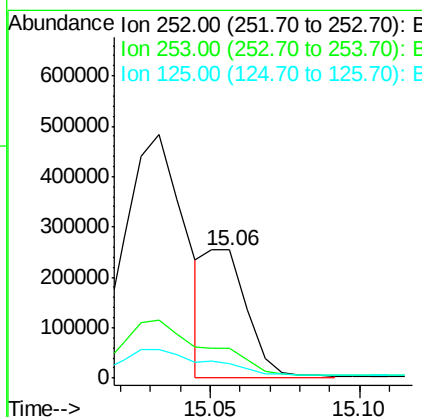
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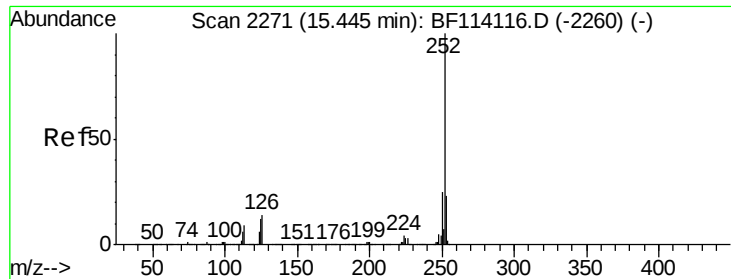
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#89
Benzo(k)fluoranthene
Concen: 13.593 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	11.5	8.6	13.0





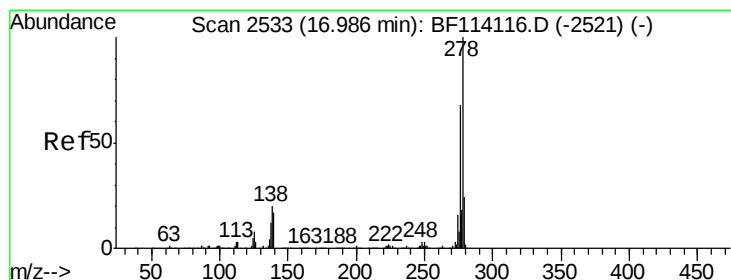
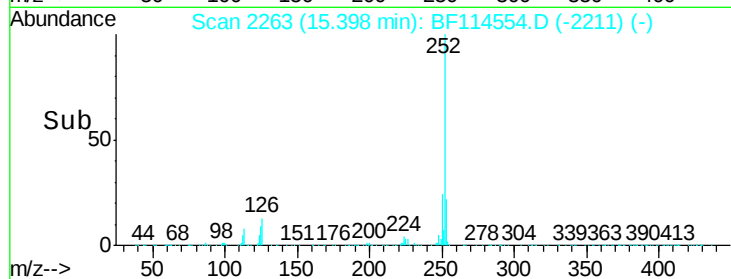
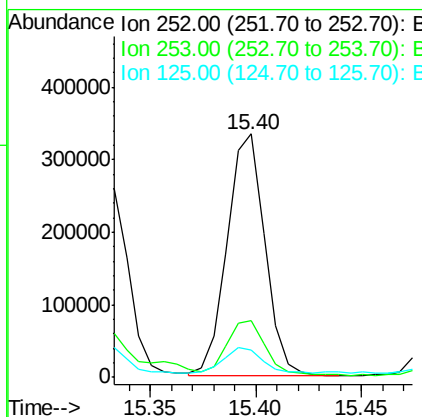
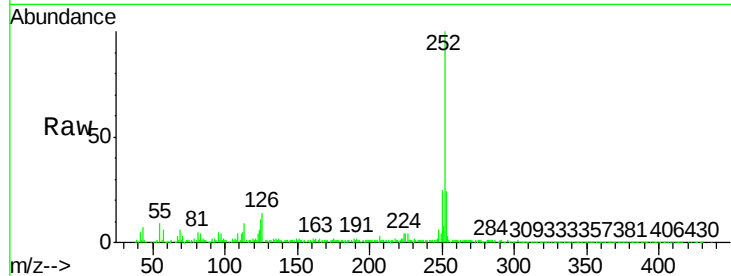
#90
Benzo(a)pyrene
Concen: 23.436 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Instrument :
BNA_F
ClientSampleId :
COMP-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	11.2	9.5	14.3

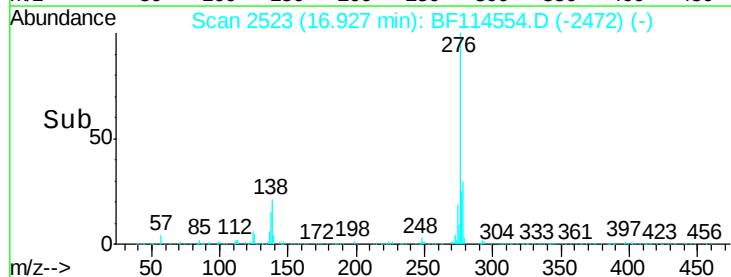
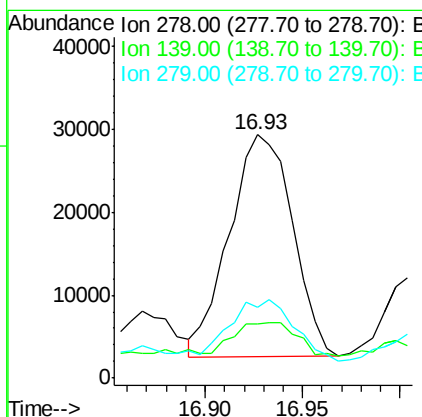
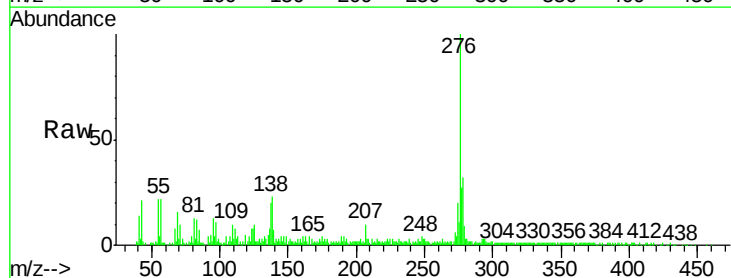
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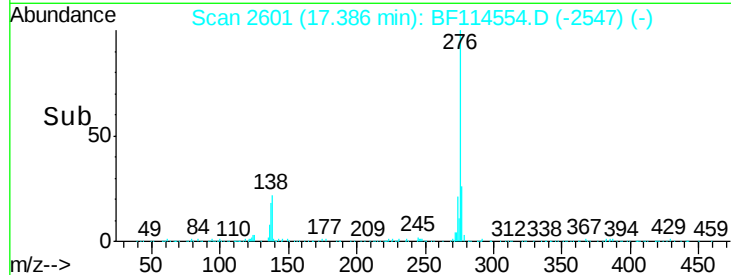
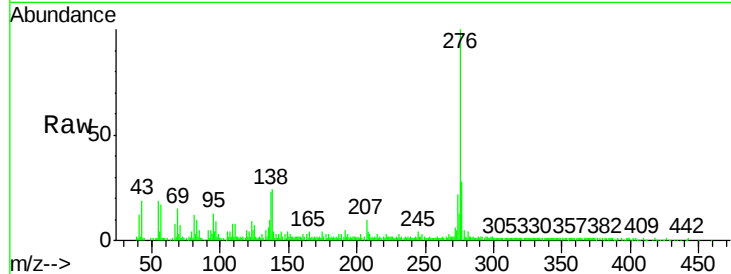
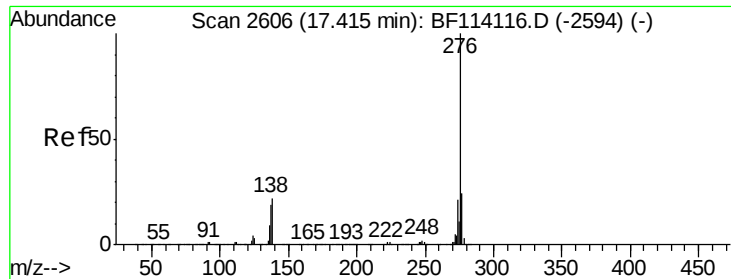
mohammad
5/24/2019 1:37:04 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.107 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	13.5	20.3#
279	28.9	19.0	28.6#





#92
Benzo(a,h,i)perylene
Concen: 13.126 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.02 min
Lab File: BF114554.D
Acq: 24 May 2019 5:04

Tot Ion:	276	Resp:	192080
Ion Ratio	Lower	Upper	
276	100		
277	27.6	19.0	28.4
138	24.1	17.8	26.6

Instrument :
BNA_F
ClientSampleId :
COMP-19

Manual Integrations
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