

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116849.D
 Acq On : 5 Sep 2019 20:15
 Operator : HP/JU
 Sample : K4692-12 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-25-COMP

Manual Integrations
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Quant Time: Sep 06 14:54:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	65164	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	272573	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	140566	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	217702	20.00	ng	0.00
76) Chrysene-d12	14.00	240	154634	20.00	ng	0.00
87) Perylene-d12	15.46	264	115691	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	256435	63.75	ng	0.00
7) Phenol-d6	6.48	99	359840	68.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	216812	45.41	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	68316	72.70	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	420894	50.51	ng	-0.01
79) Terphenyl-d14	12.95	244	372589	44.57	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	55541	5.723	ng	97
71) Phenanthrene	11.39	178	251009	20.713	ng	99
72) Anthracene	11.44	178	55933	4.585	ng	99
75) Fluoranthene	12.58	202	402995	33.838	ng	99
78) Pyrene	12.81	202	400764	29.155	ng	99
81) Benzo(a)anthracene	13.99	228	187846	19.194	ng	98
83) Chrysene	14.03	228	174000m	17.257	ng	
84) Bis(2-ethylhexyl)phthalate	13.97	149	18044	2.187	ng	95
86) Indeno(1,2,3-cd)pyrene	16.92	276	50421	6.226	ng	99
88) Benzo(b)fluoranthene	15.03	252	146830m	20.992	ng	
89) Benzo(k)fluoranthene	15.06	252	54941m	8.615	ng	
90) Benzo(a)pyrene	15.40	252	98631	16.208	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	13807	2.592	ng	# 80
92) Benzo(a,h,i)perylene	17.36	276	51369	9.456	ng	95

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

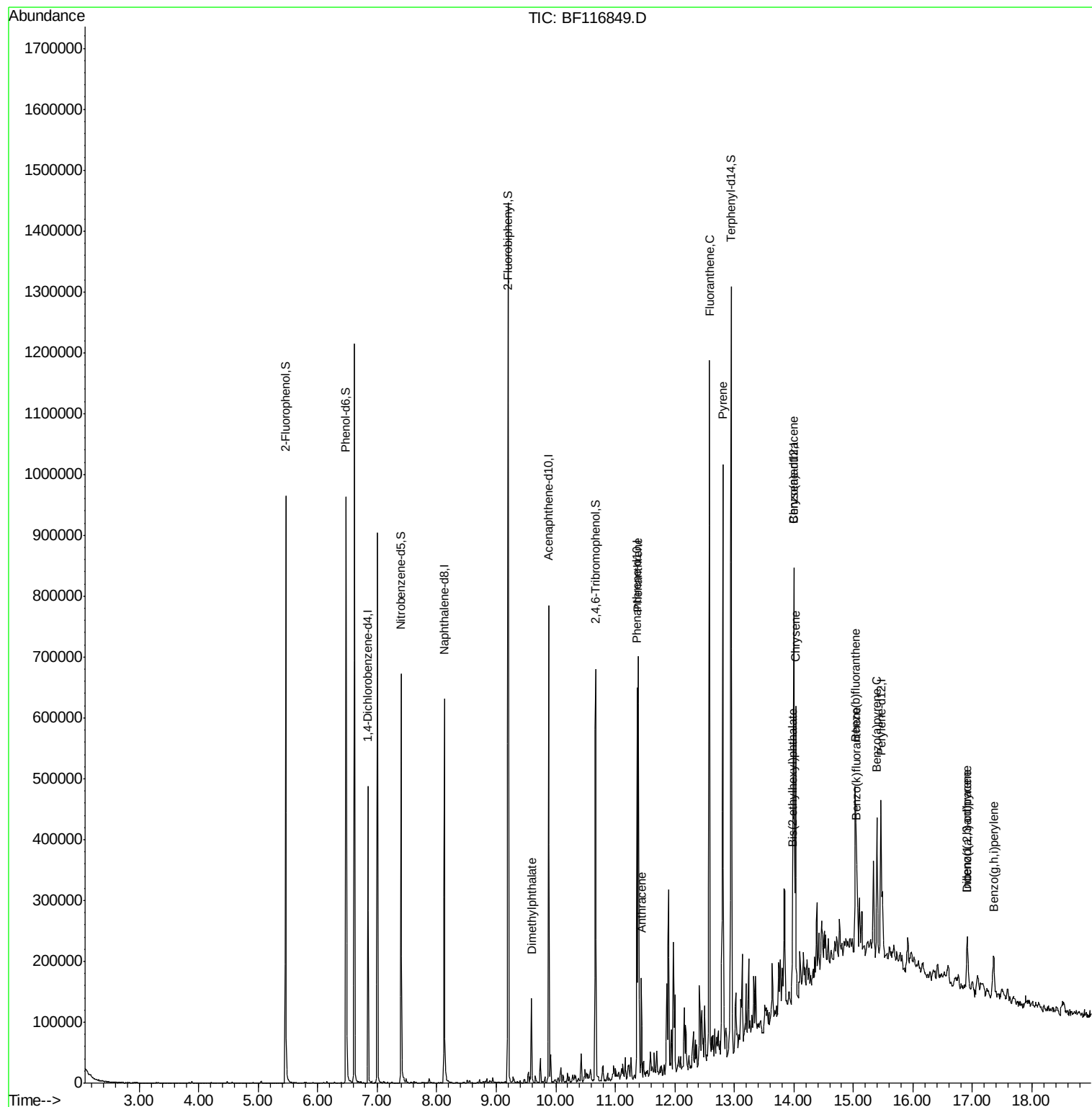
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
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ALS Vial : 23 Sample Multiplier: 1

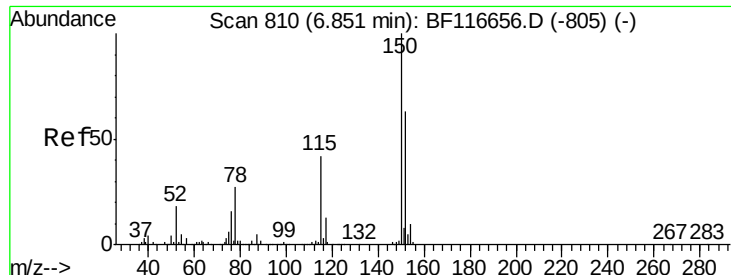
Instrument :
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#1

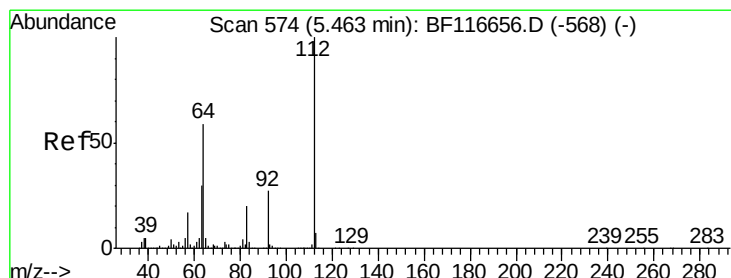
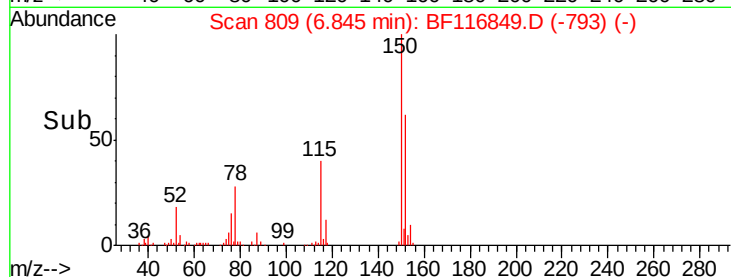
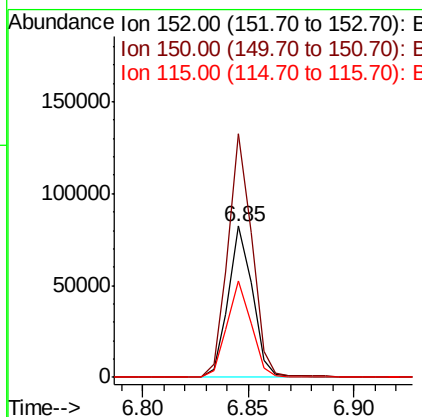
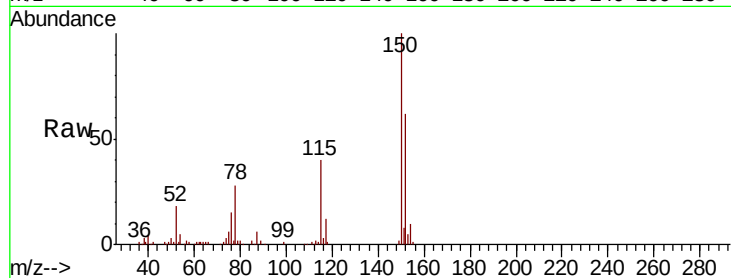
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.4	186.6
115	64.3	49.9	74.9

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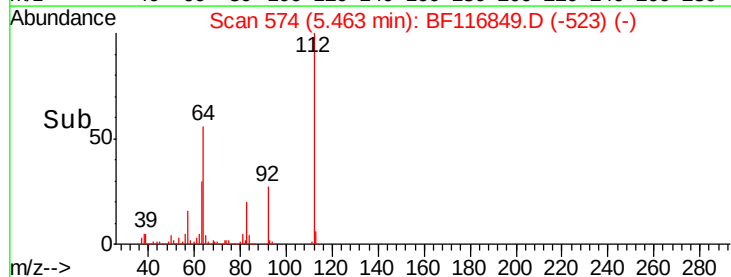
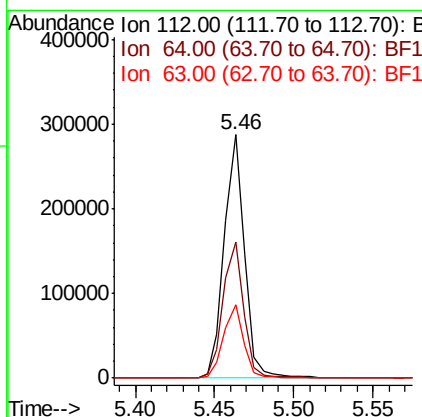
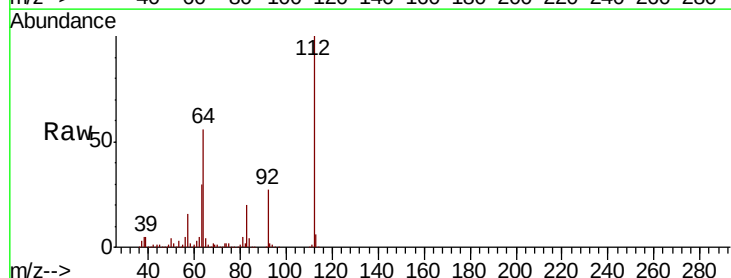
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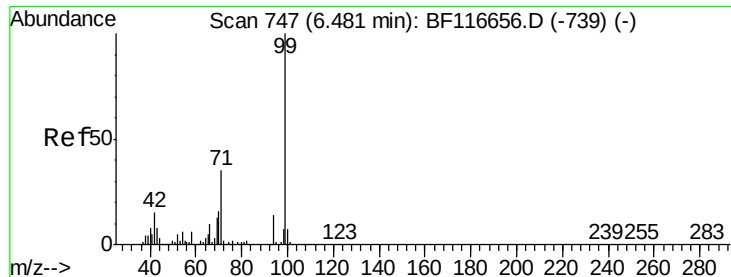


#5

2-Fluorophenol
Concen: 63.753 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.1	70.7
63	29.9	24.9	37.3





#7

Phenol-d6

Concen: 68.129 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Instrument :

BNA_F

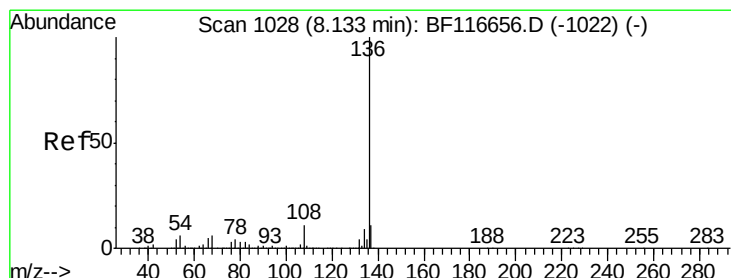
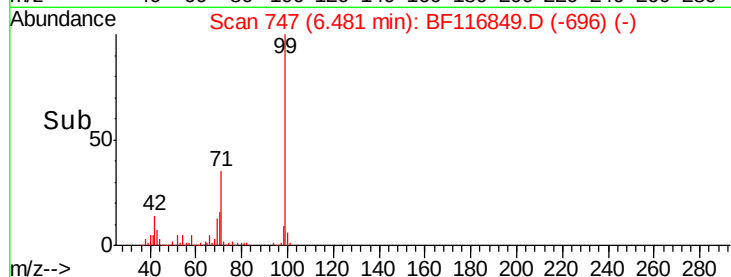
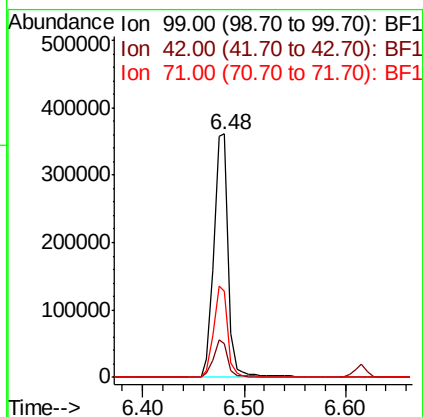
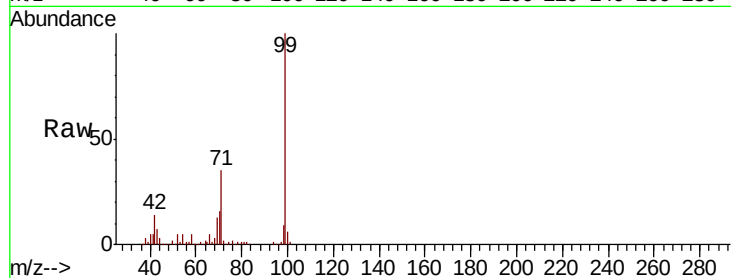
ClientSampleId :

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Tot Ion:	99	Resp:	359840
Ion Ratio	Lower	Upper	
99	100		
42	13.8	13.7	20.5
71	35.5	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

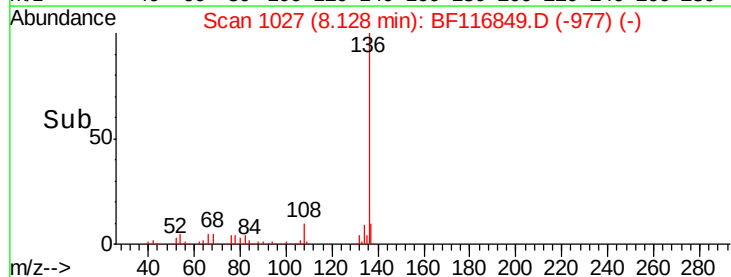
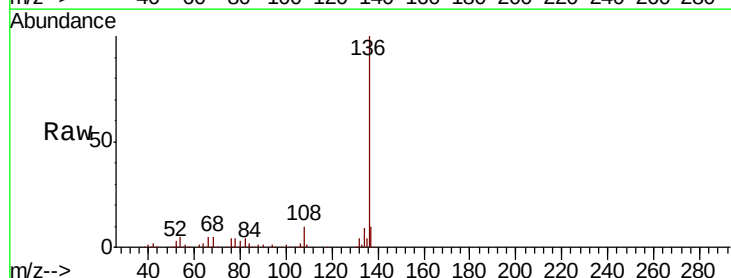
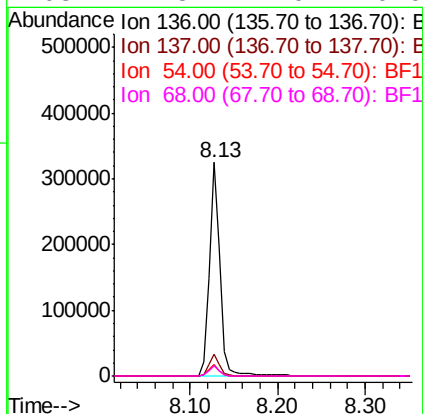
RT: 8.13 min Scan# 1027

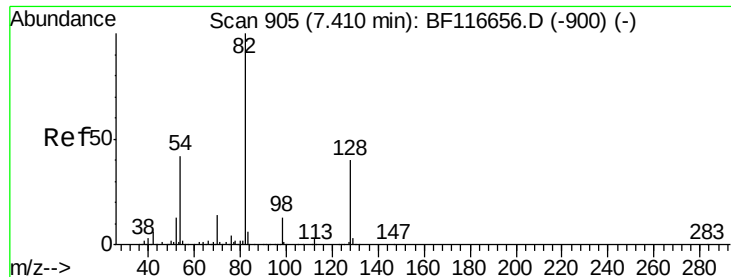
Delta R.T. -0.01 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Tgt Ion:	136	Resp:	272573
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	5.3	4.8	7.2
68	4.8	4.0	6.0





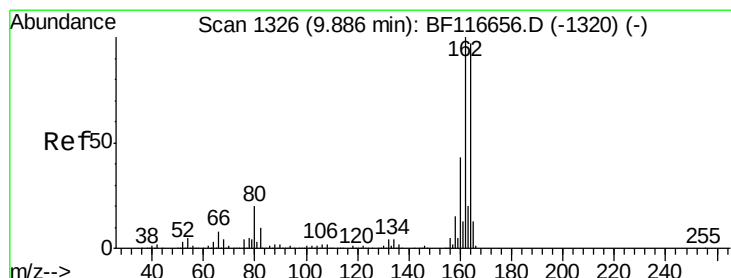
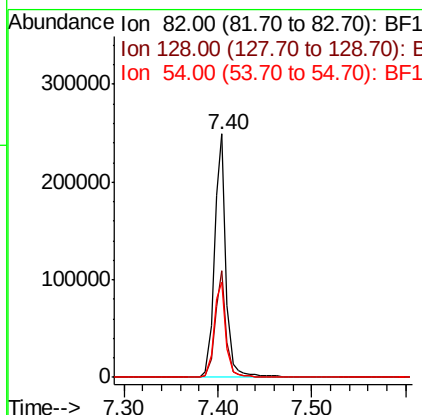
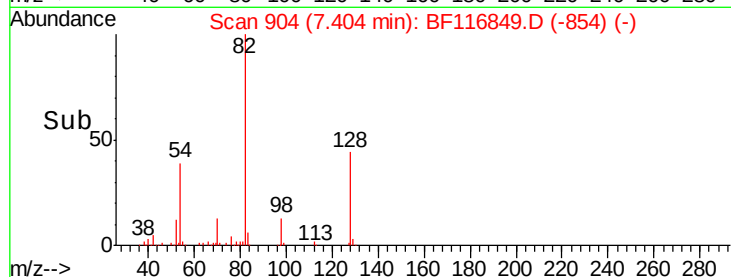
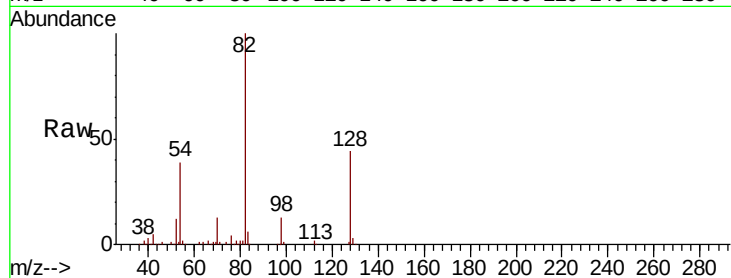
#23
 Nitrobenzene-d5
 Concen: 45.409 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116849.D
 Acq: 5 Sep 2019 20:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-25-COMP

Tot Ion:	82	Resp:	216812
Ion Ratio	Lower	Upper	
82	100		
128	43.9	32.8	49.2
54	39.2	36.9	55.3

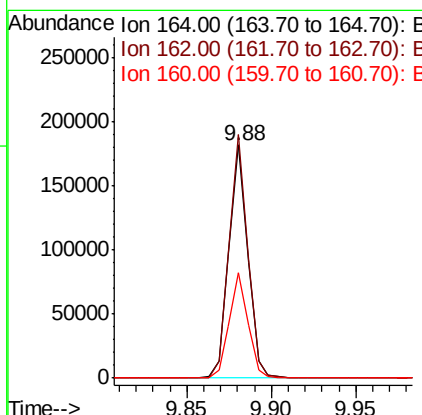
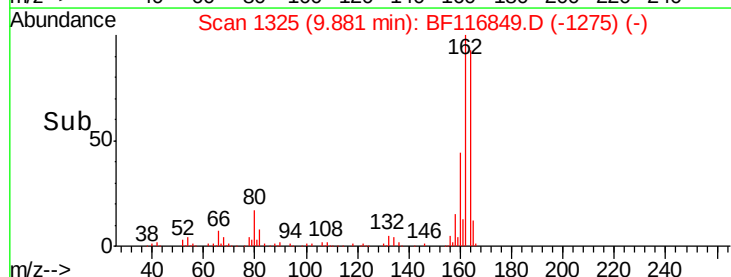
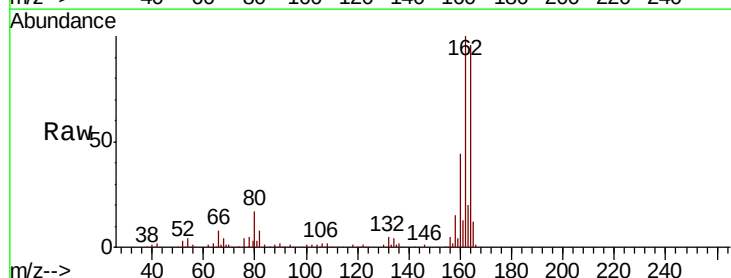
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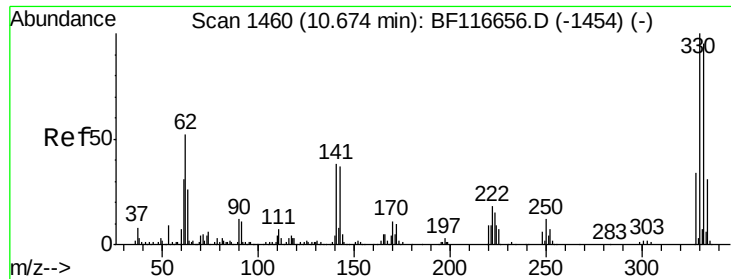
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116849.D
 Acq: 5 Sep 2019 20:15

Tgt Ion:	164	Resp:	140566
Ion Ratio	Lower	Upper	
164	100		
162	104.5	81.4	122.0
160	45.5	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 72.699 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Instrument :

BNA_F

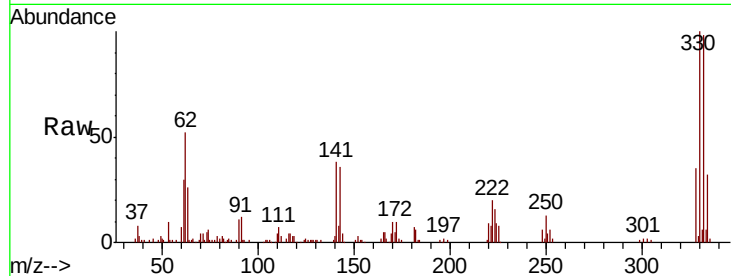
ClientSampleId :

SB-25-COMP

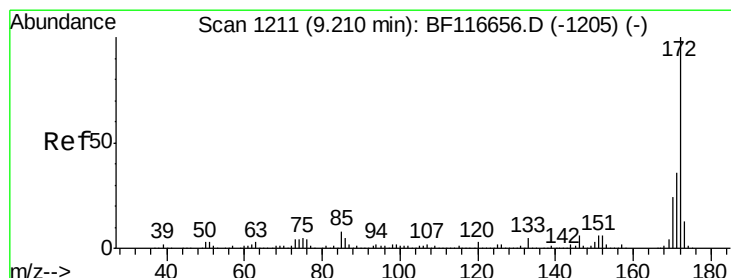
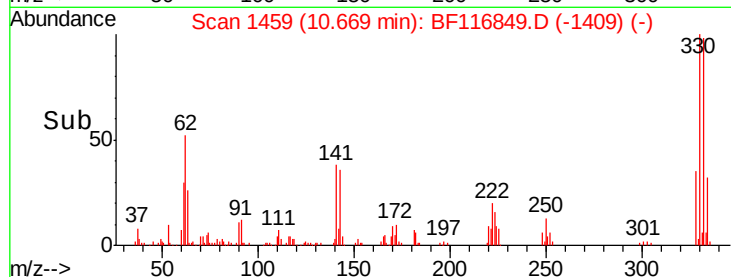
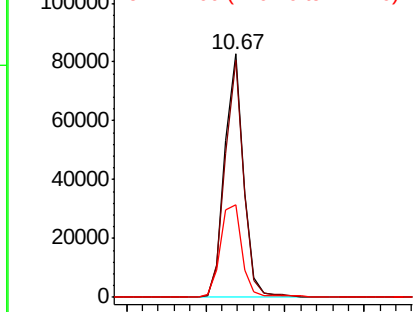
Tot Ion:	330	Resp:	68316
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.9	115.3
141	44.3	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 50.510 ng

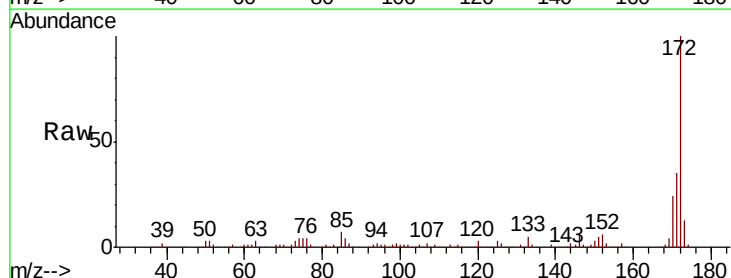
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

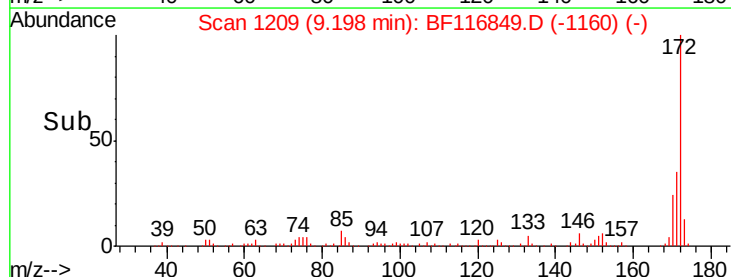
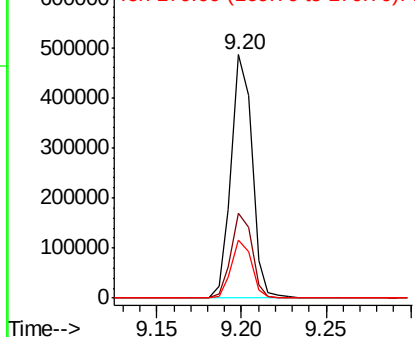
Lab File: BF116849.D

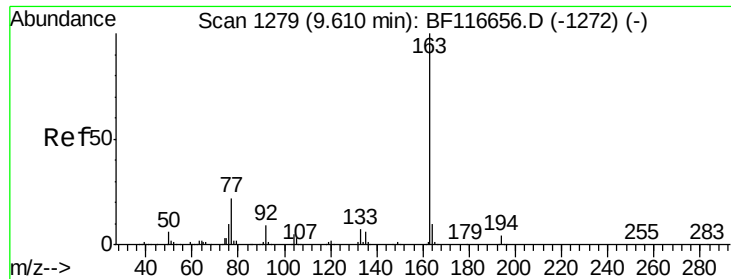
Acq: 5 Sep 2019 20:15

Tgt Ion:	172	Resp:	420894
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.8	41.6
170	23.7	18.9	28.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





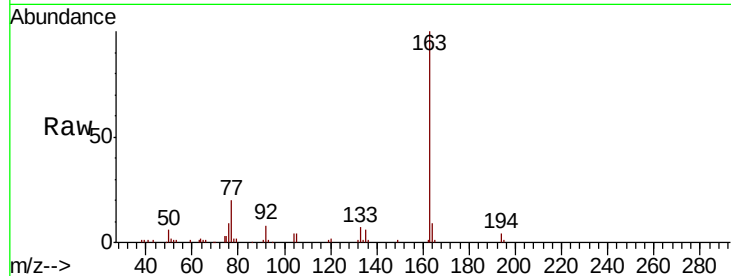
#50
Dimethylphthalate
Concen: 5.723 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	55541		
194	3.8		2.8	4.2
164	9.1		8.6	12.8

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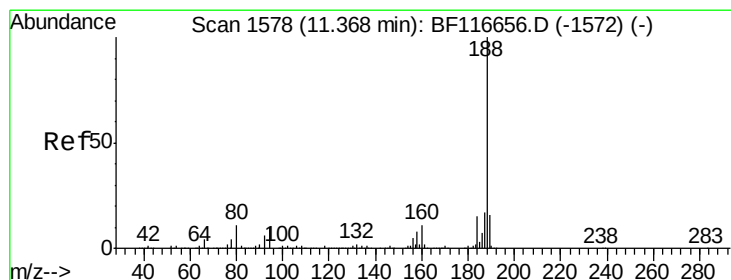
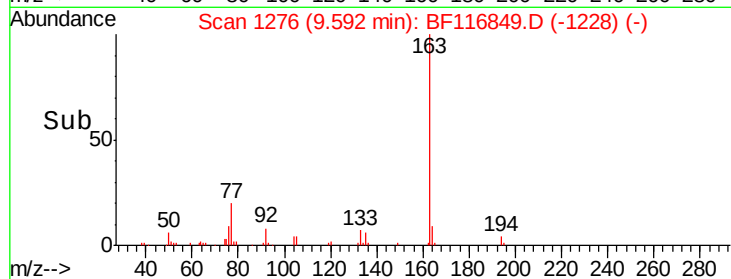
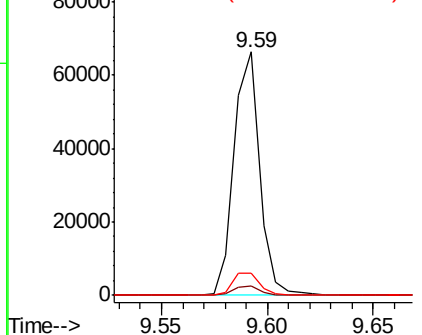


Abundance

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: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

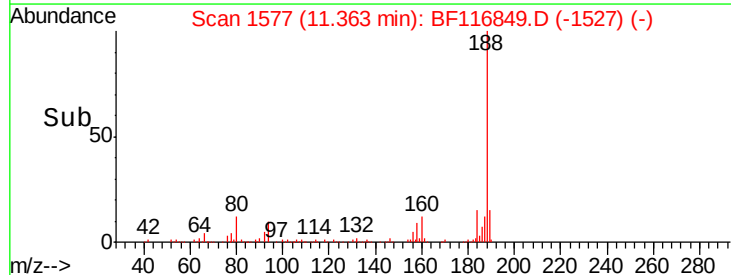
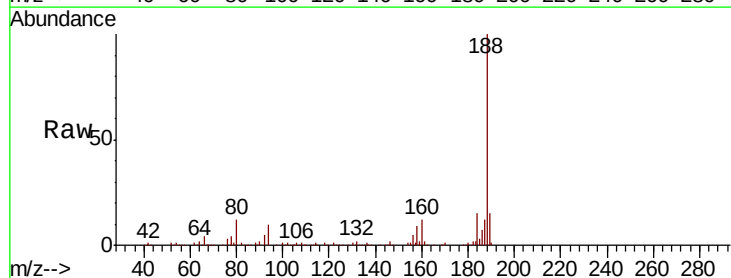
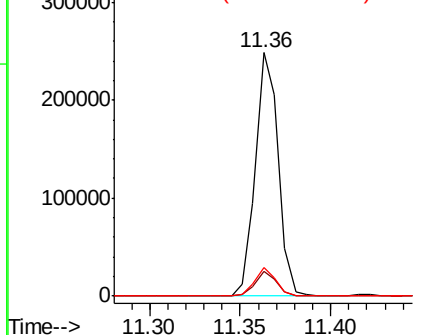
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	217702		
94	10.2		7.3	10.9
80	11.7		8.4	12.6

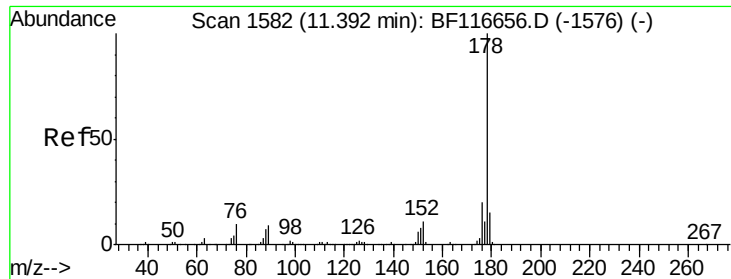
Abundance

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





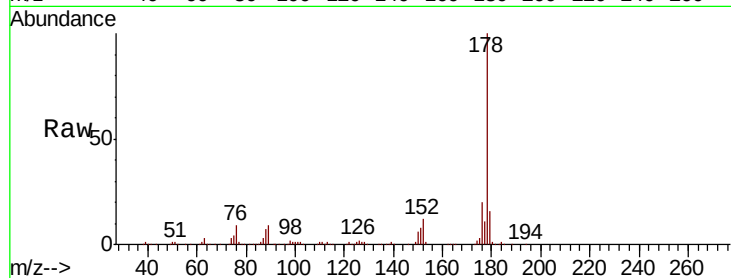
#71
Phenanthrene
Concen: 20.713 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.5	12.2	18.2

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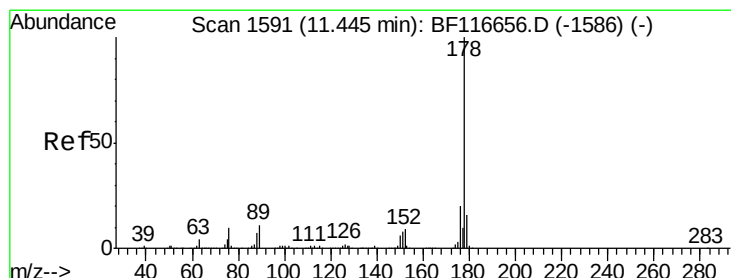
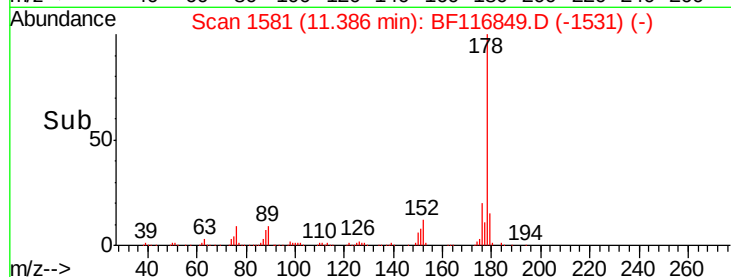
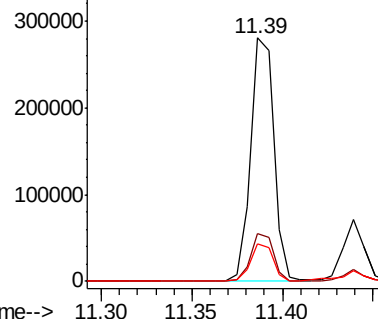


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 4.585 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

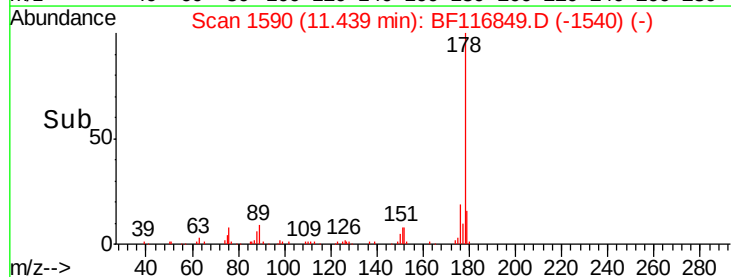
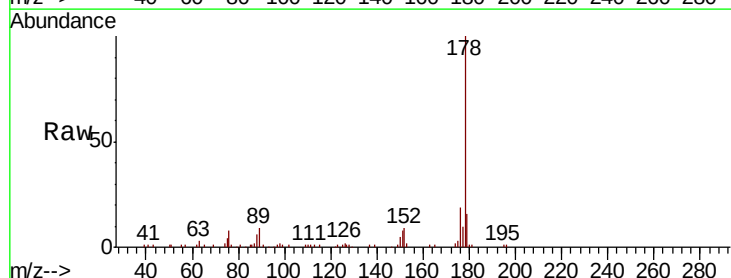
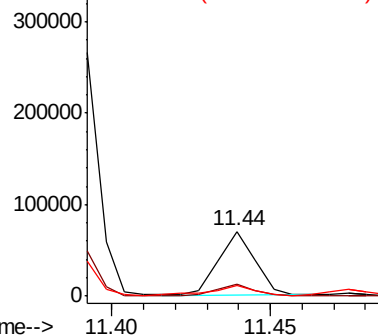
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	16.3	12.5	18.7

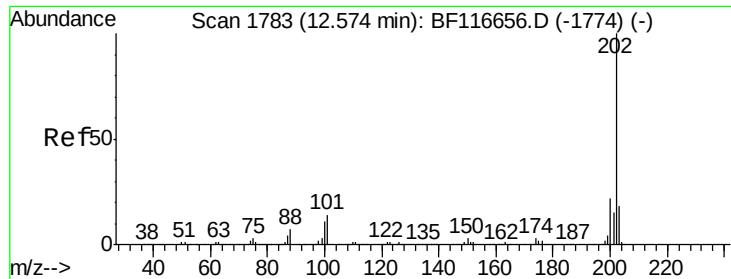
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 33.838 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Instrument :

BNA_F

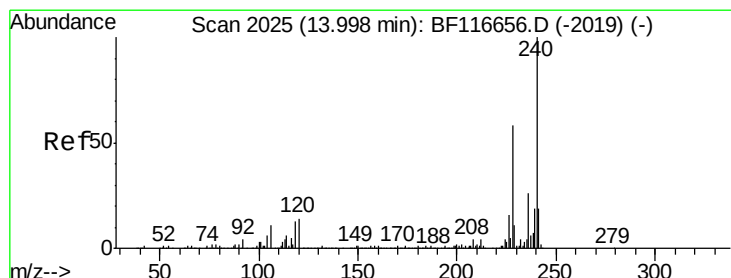
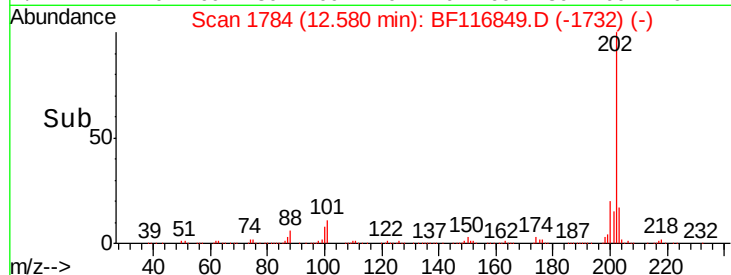
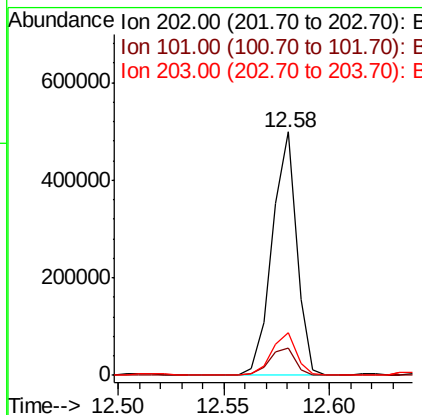
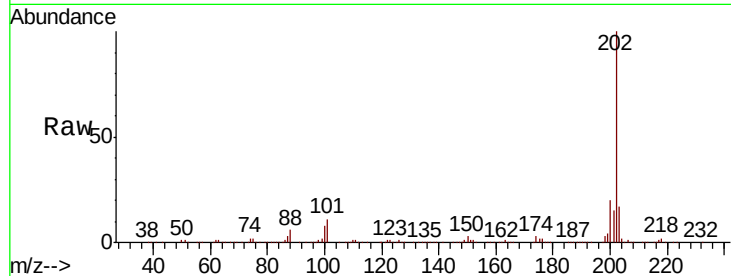
ClientSampleId :

SB-25-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	402995		
101	11.0	0.0	31.3	
203	17.3	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

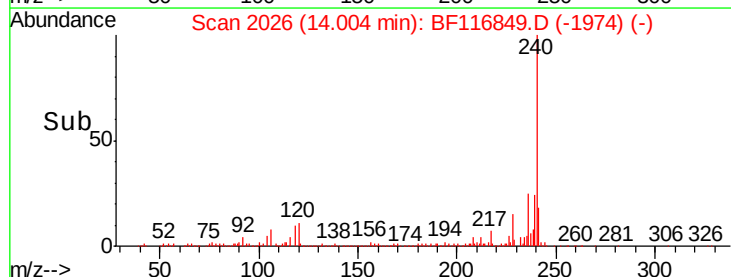
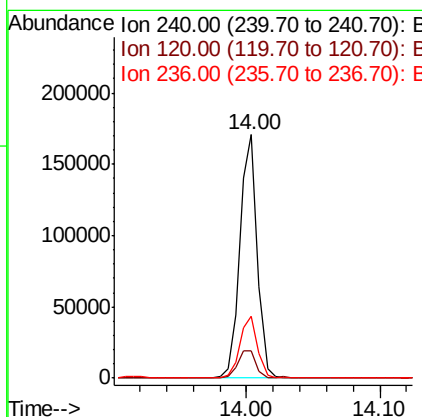
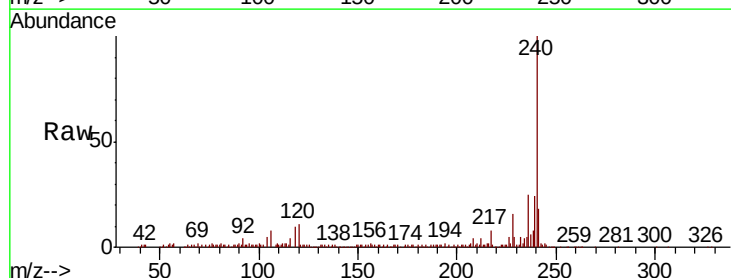
RT: 14.00 min Scan# 2026

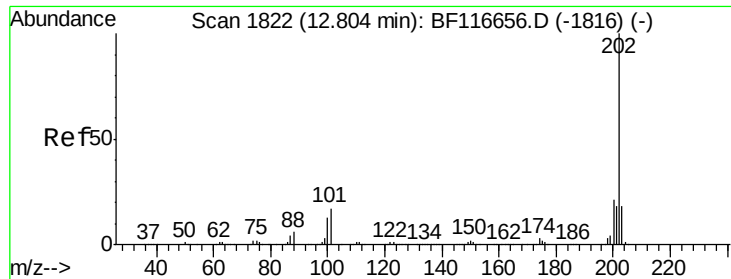
Delta R.T. 0.01 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	154634		
120	11.1	9.1	13.7	
236	25.3	21.1	31.7	





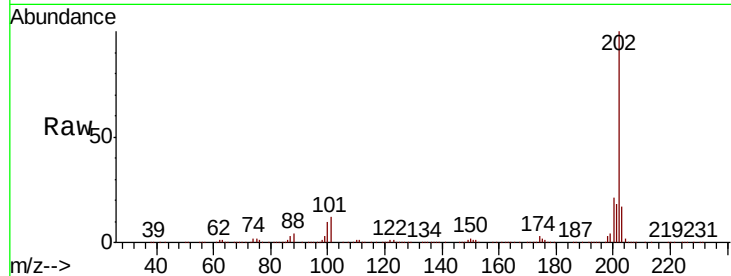
#78
Pvrene
Concen: 29.155 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	400764		
200	21.4		16.5	24.7
203	17.4		13.7	20.5

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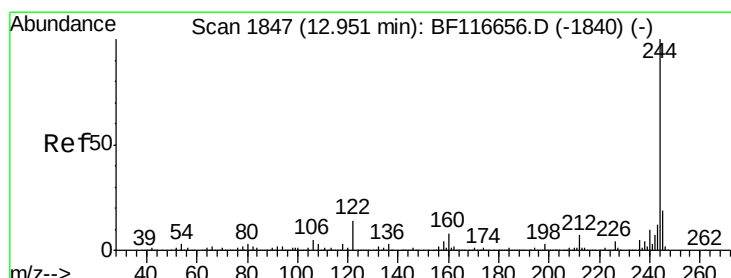
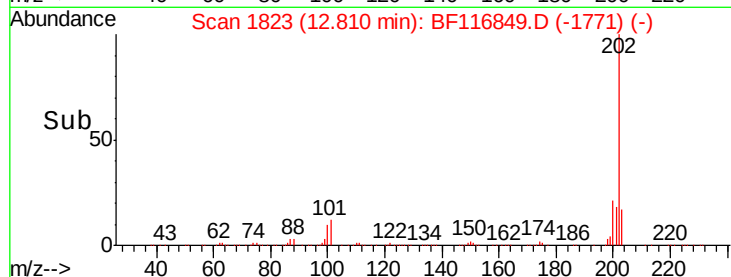
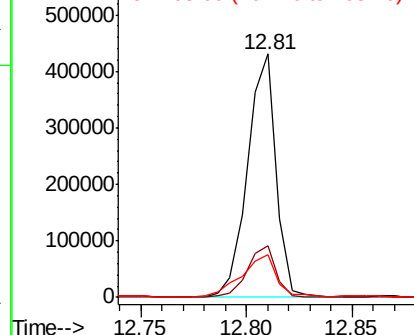


Abundance

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: 44.574 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

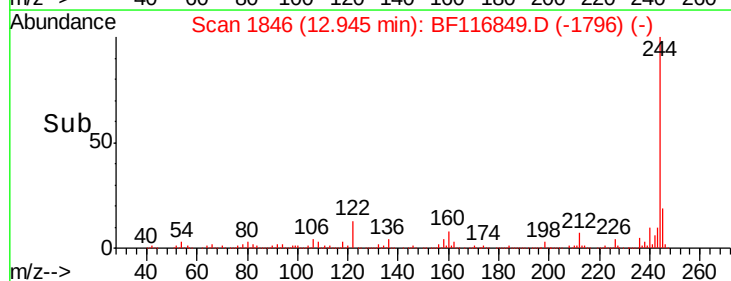
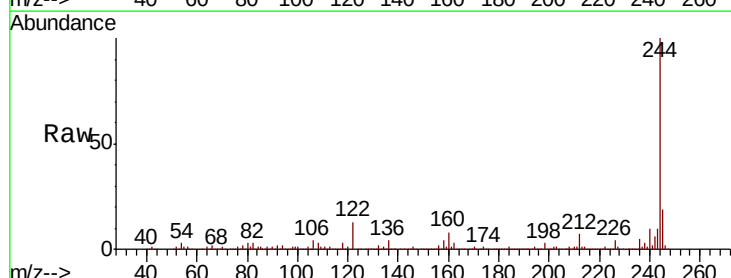
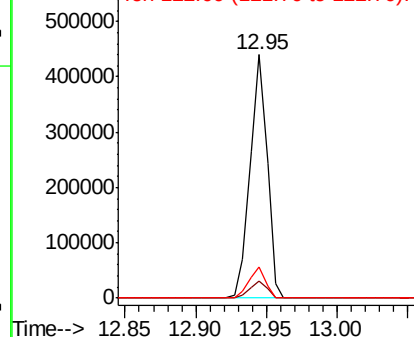
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	372589		
212	6.9		6.1	9.1
122	13.0		10.2	15.4

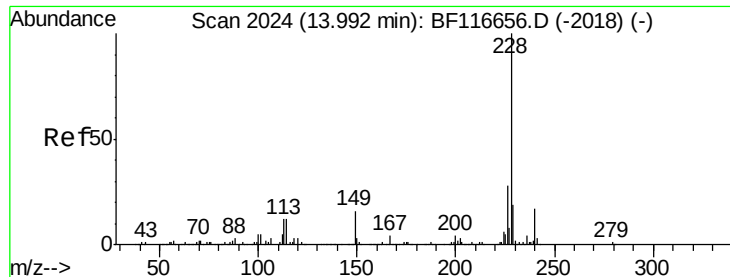
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





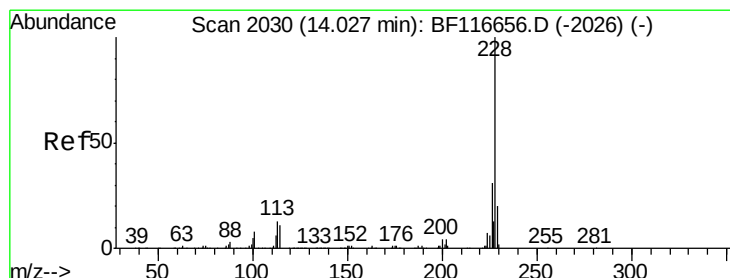
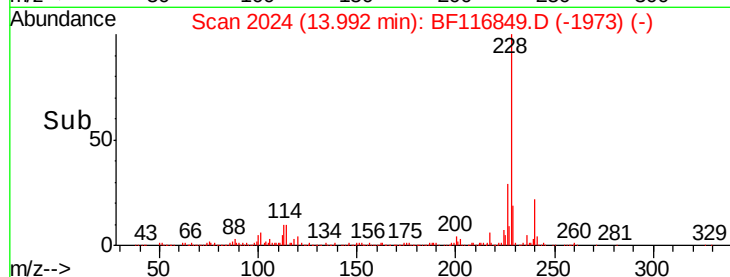
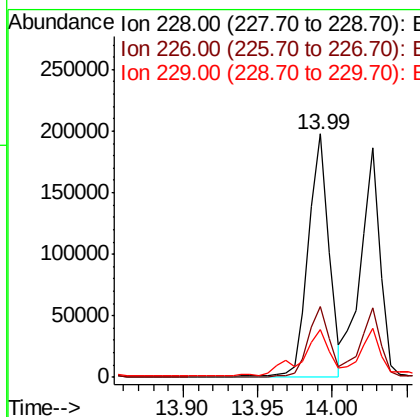
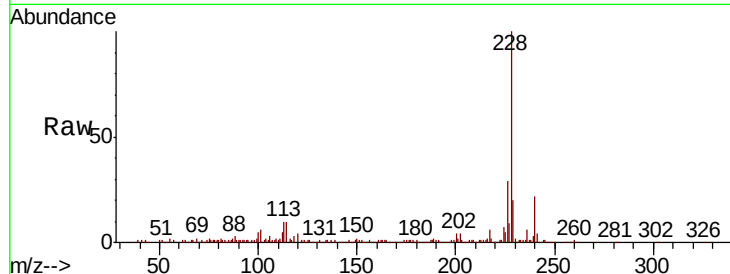
#81
Benzo(a)anthracene
Concen: 19.194 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	19.5	16.4	24.6

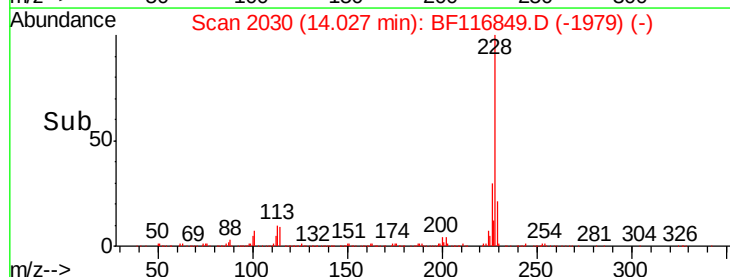
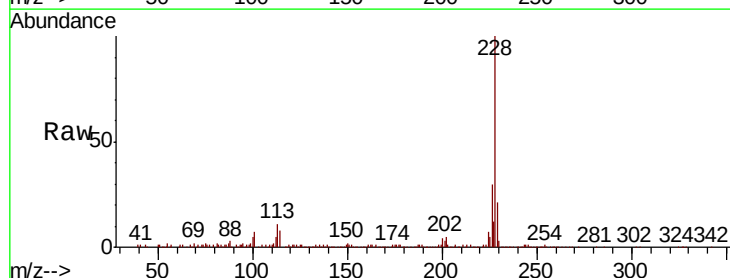
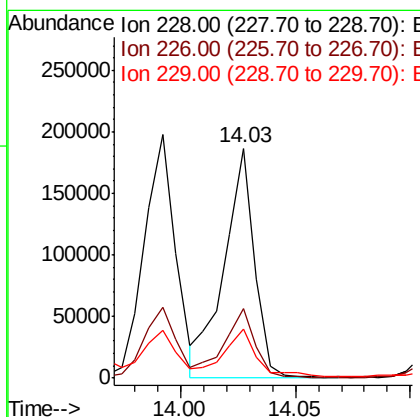
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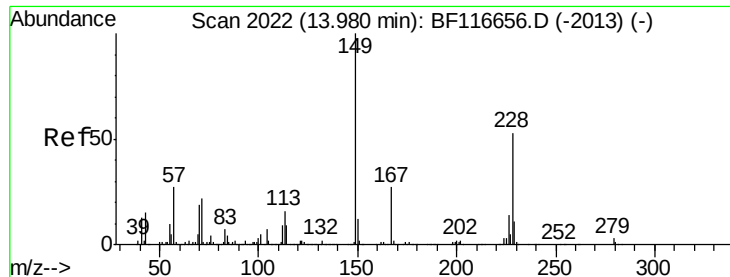
mohammad
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#83
Chrysene
Concen: 17.257 ng m
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.4	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.187 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Instrument :

BNA_F

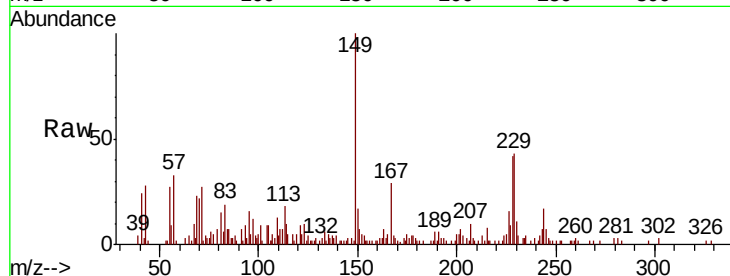
ClientSampled :

SB-25-COMP

Tot Ion:	149	Resp:	18044
Ion Ratio	Lower	Upper	
149	100		
167	29.3	21.0	31.4
279	3.4	2.8	4.2

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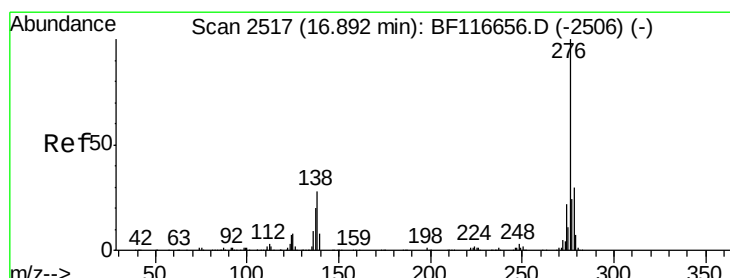
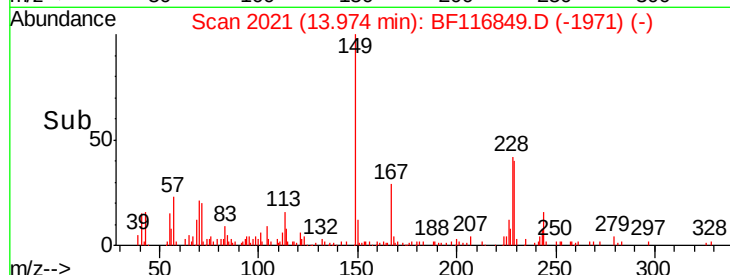
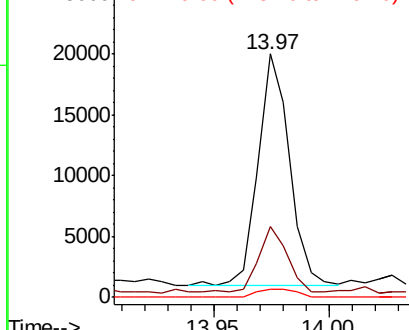


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.226 ng

RT: 16.92 min Scan# 2521

Delta R.T. 0.02 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

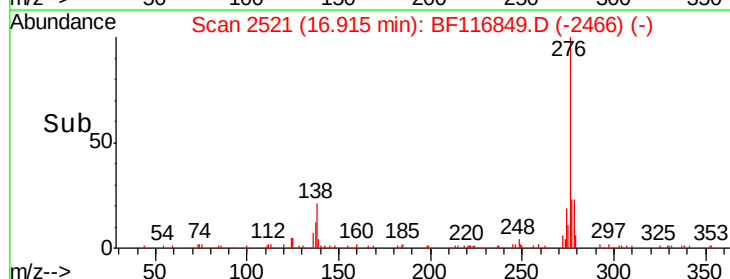
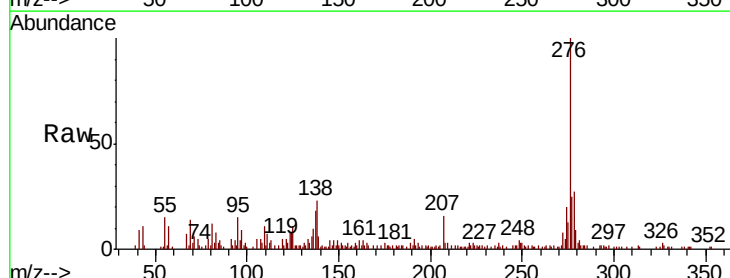
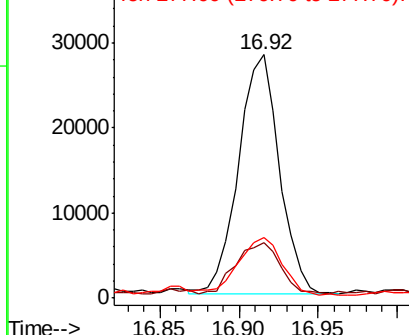
Tgt Ion:	276	Resp:	50421
Ion Ratio	Lower	Upper	
276	100		
138	22.9	19.4	29.2
277	25.6	20.5	30.7

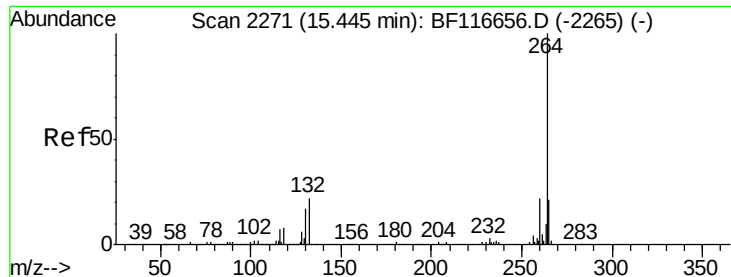
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

Instrument :

BNA_F

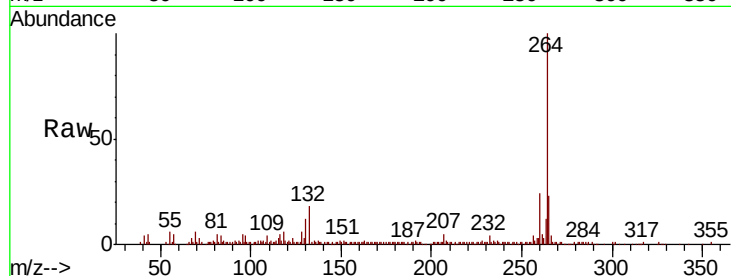
ClientSampleId :

SB-25-COMP

Tot Ion:	264	Resp:	115691
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.3	27.5
265	22.6	16.5	24.7

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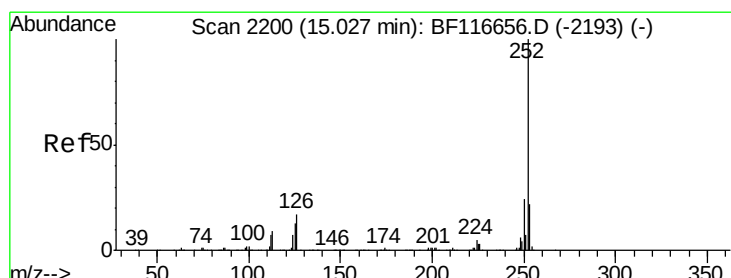
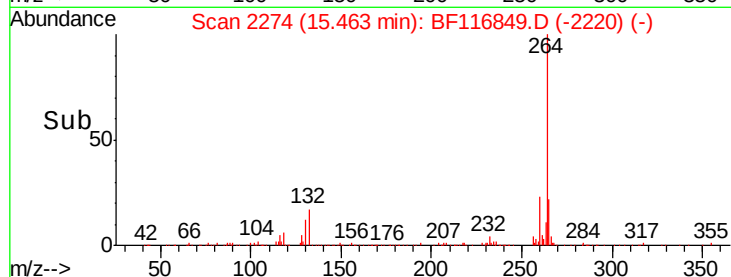
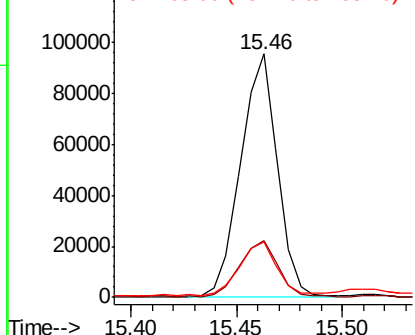


Abundance

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: 20.992 ng m

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116849.D

Acq: 5 Sep 2019 20:15

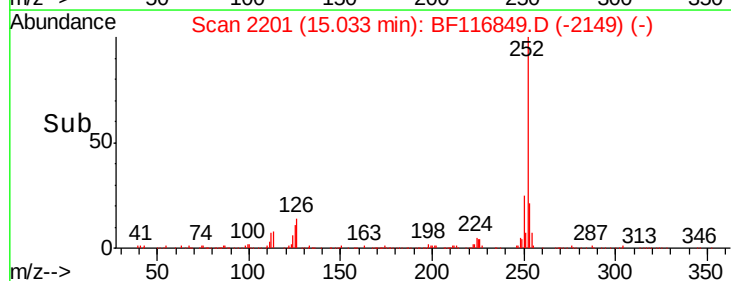
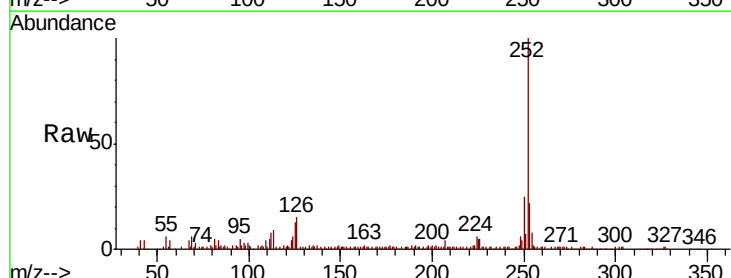
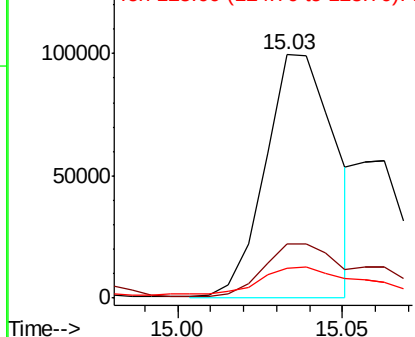
Tgt Ion:	252	Resp:	146830
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.7	26.5
125	12.5	8.2	12.2#

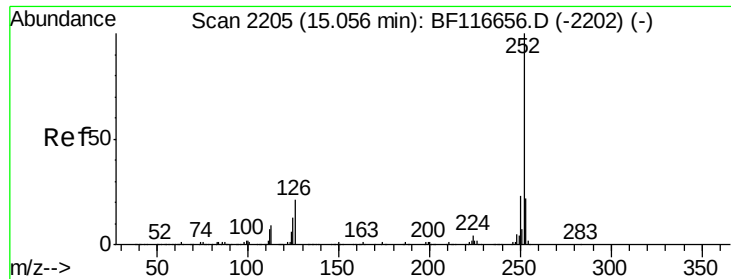
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





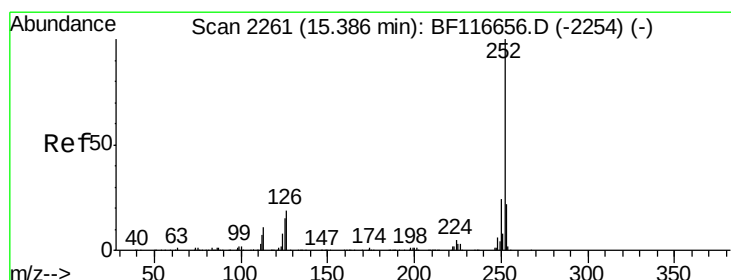
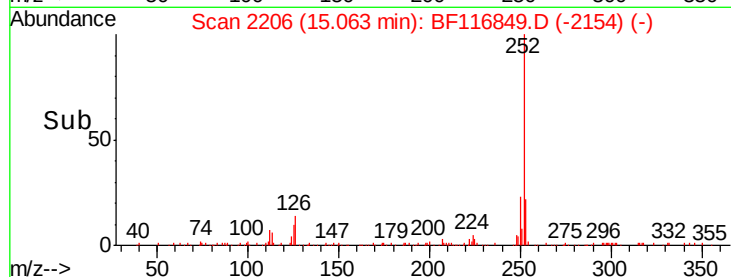
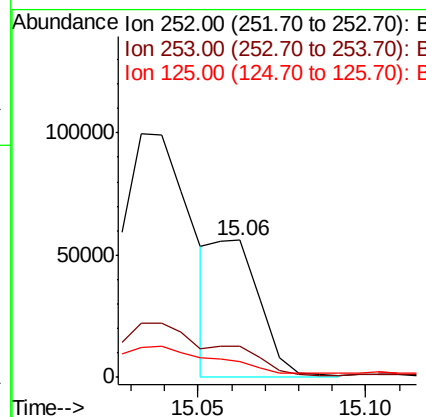
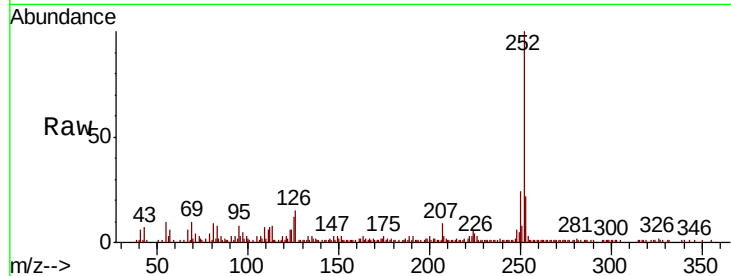
#89
Benzo(k)fluoranthene
Concen: 8.615 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.0	8.6	13.0

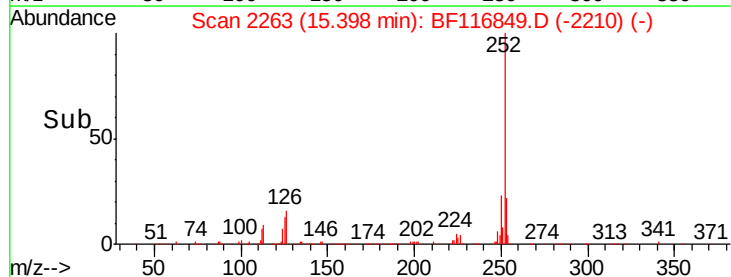
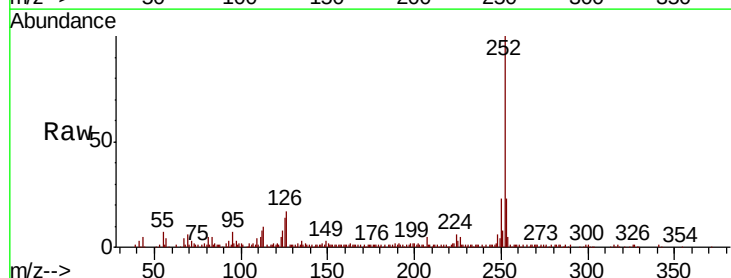
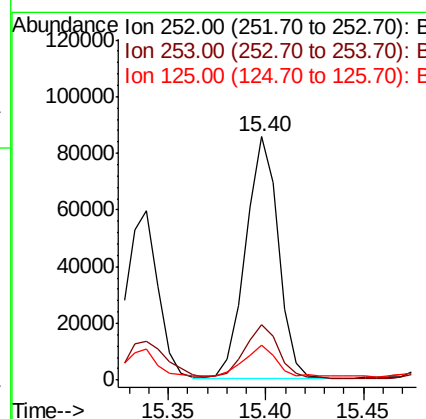
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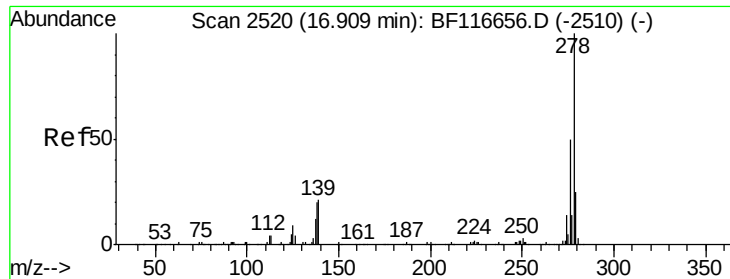
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#90
Benzo(a)pyrene
Concen: 16.208 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.3	9.8	14.8





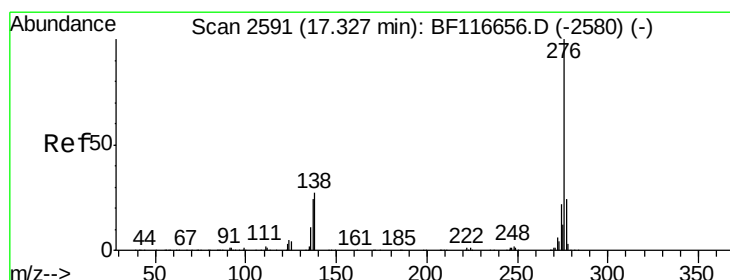
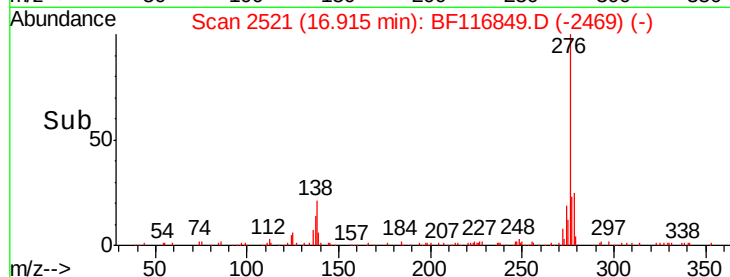
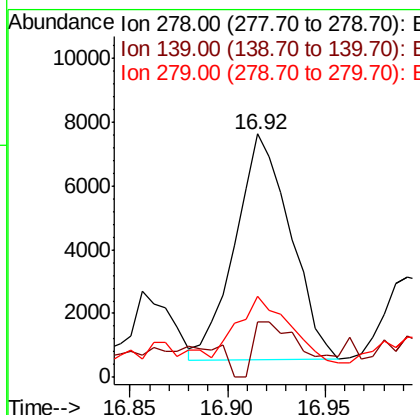
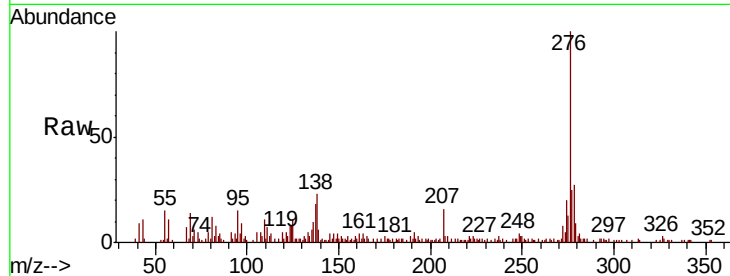
#91
Dibenzo(a,h)anthracene
Concen: 2.592 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Instrument :
BNA_F
ClientSampleId :
SB-25-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.7	12.4	18.6#
279	33.4	18.2	27.4#

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#92
Benzo(g,h,i)perylene
Concen: 9.456 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.03 min
Lab File: BF116849.D
Acq: 5 Sep 2019 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	23.0	16.2	24.2

