

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116215.D
 Acq On : 13 Aug 2019 3:17
 Operator : HP/JU
 Sample : K4245-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-25

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:54:00 AM

Quant Time: Aug 13 07:12:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	119953	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	464687	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	237921	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	347573	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	268743	20.00	ng	0.00
87) Perylene-d12	15.47	264	238499	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	699458	97.62	ng	-0.01
7) Phenol-d6	6.47	99	942196	104.22	ng	-0.01
23) Nitrobenzene-d5	7.40	82	590660	73.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	172112	74.61	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	962318	75.76	ng	-0.01
79) Terphenyl-d14	12.94	244	858590	67.32	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	39594	3.719	ng	Qvalue 90
50) Dimethylphthalate	9.58	163	110632	6.829	ng	99
71) Phenanthrene	11.38	178	141237	7.949	ng	99
72) Anthracene	11.44	178	51853	2.883	ng	97
75) Fluoranthene	12.57	202	362095	19.465	ng	99
78) Pyrene	12.80	202	351506	17.351	ng	99
81) Benzo(a)anthracene	13.99	228	232534	13.537	ng	98
83) Chrysene	14.03	228	204755	12.278	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	82055	5.858	ng	95
88) Benzo(b)fluoranthene	15.05	252	259952m	18.850	ng	
89) Benzo(k)fluoranthene	15.07	252	64506m	4.802	ng	
90) Benzo(a)pyrene	15.42	252	160867	13.049	ng	# 93
91) Dibenzo(a,h)anthracene	16.96	278	21425	2.008	ng	# 62
92) Benzo(g,h,i)perylene	17.41	276	77137	7.361	ng	92

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

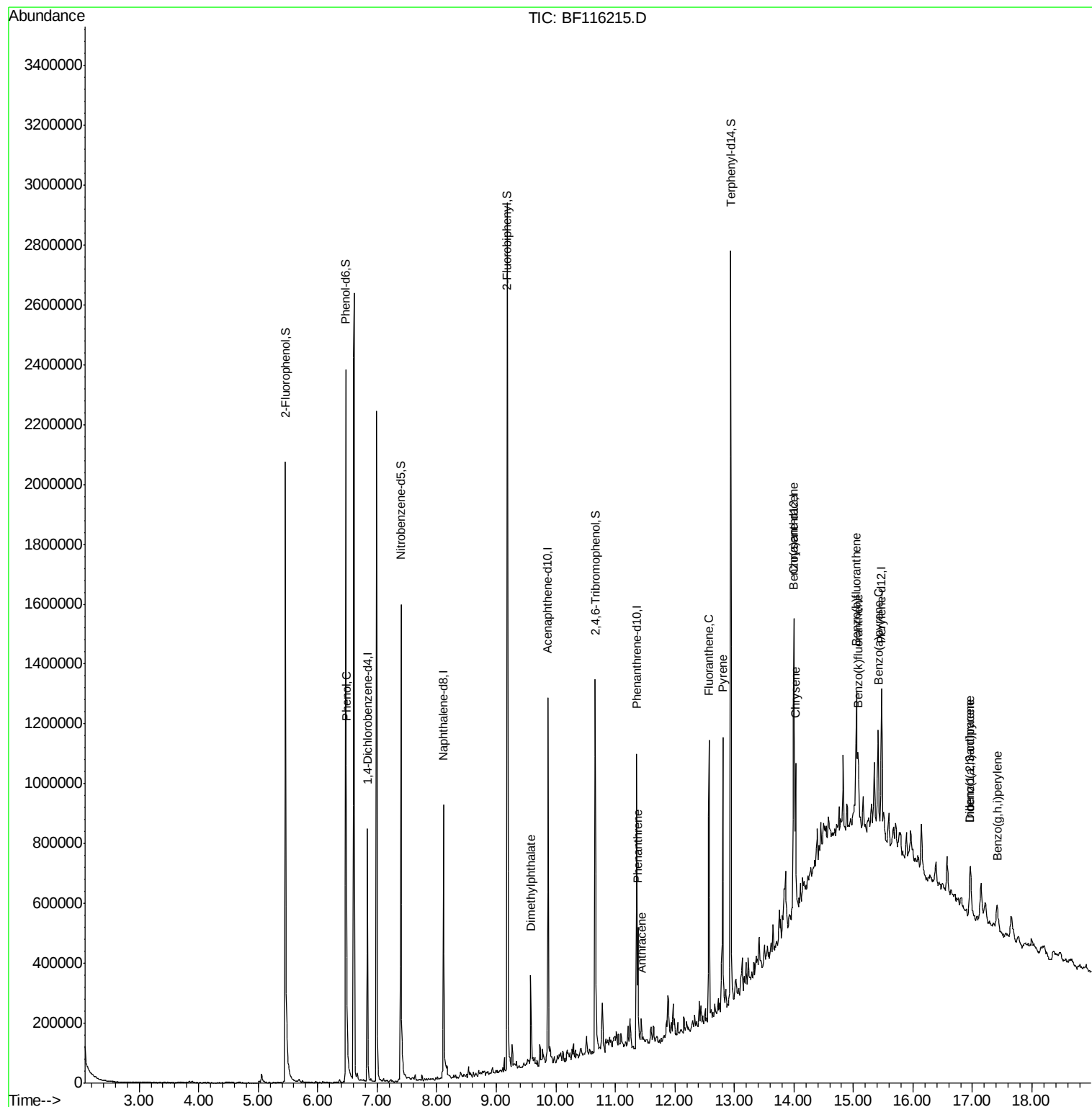
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116215.D
Acq On : 13 Aug 2019 3:17
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#1

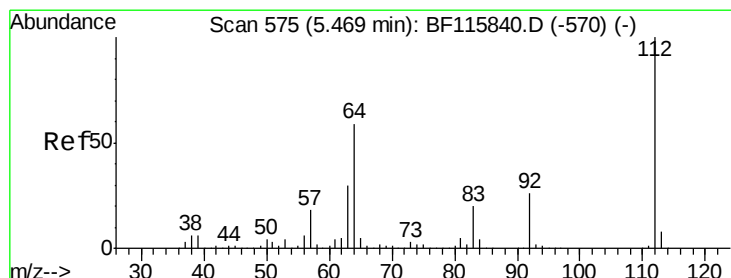
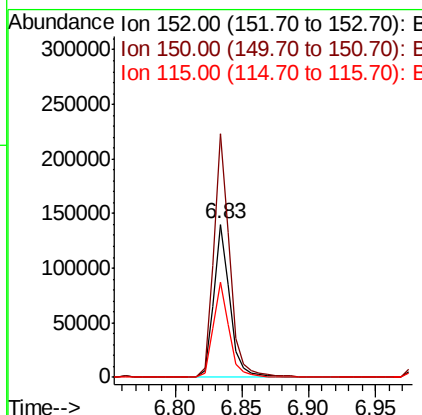
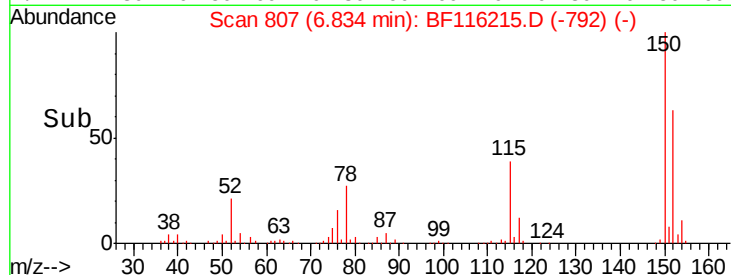
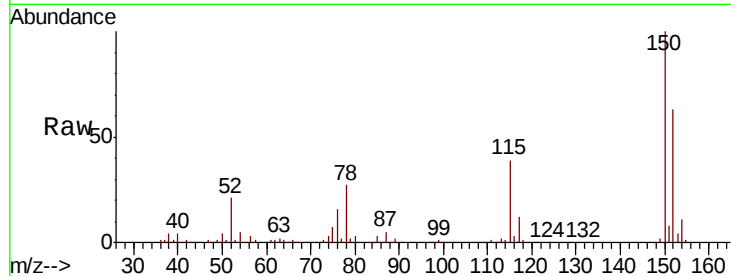
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	62.0	49.9	74.9

Manual Integrations
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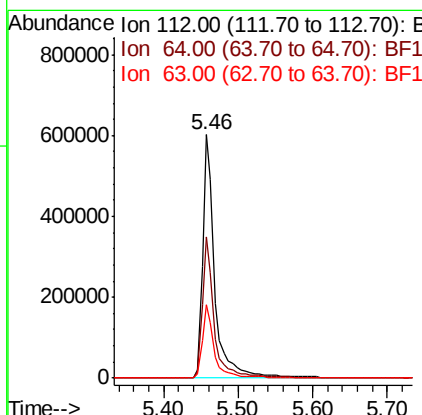
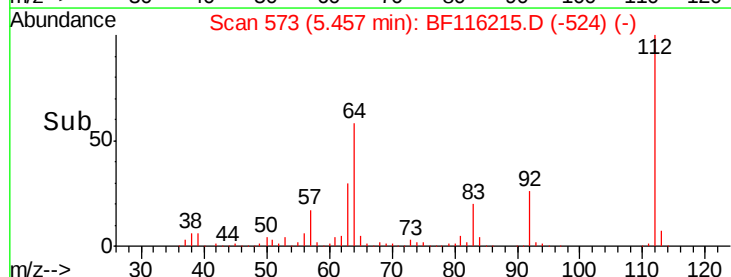
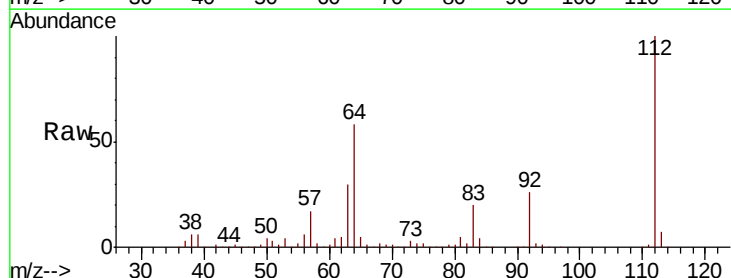
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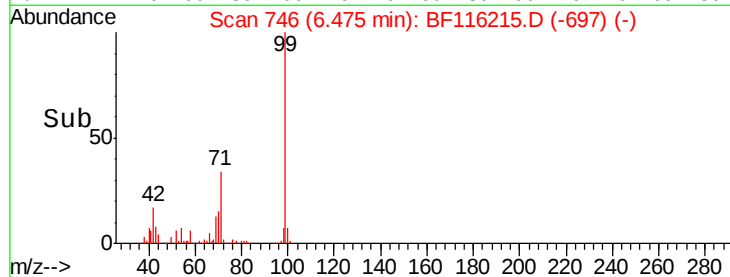
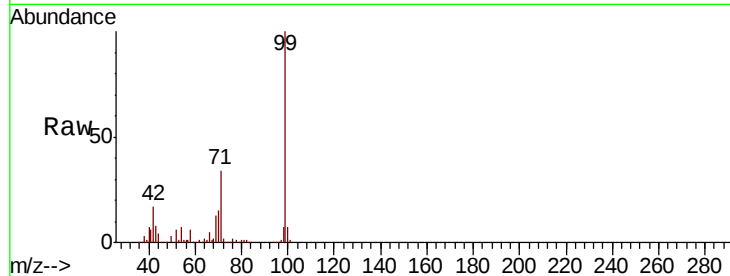
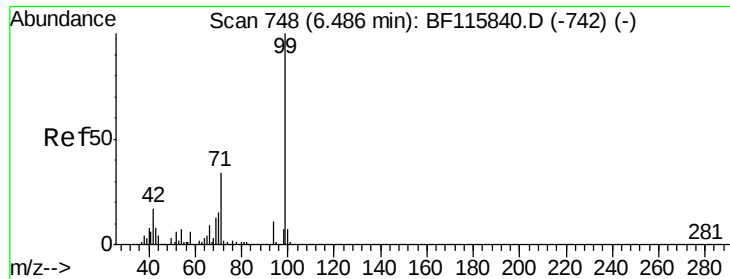


#5

2-Fluorophenol
Concen: 97.616 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.4	68.2
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 104.221 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Tot Ion:	99	Resp:	942196
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.8	20.8
71	33.6	27.3	40.9

Instrument :

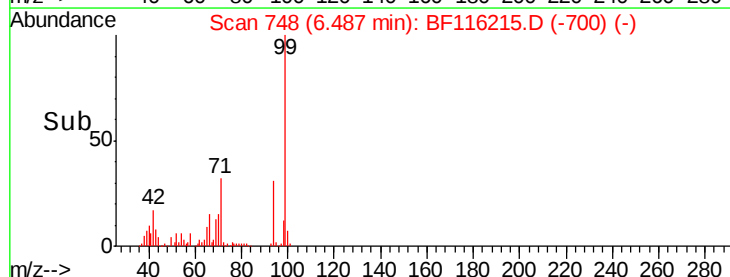
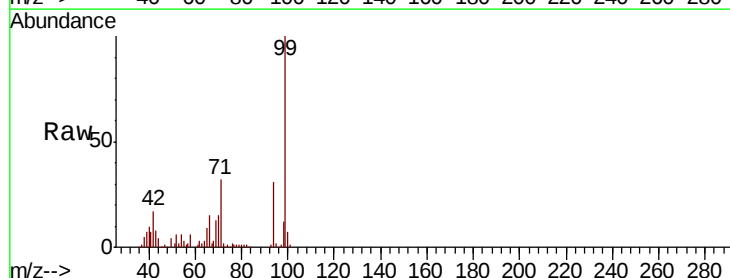
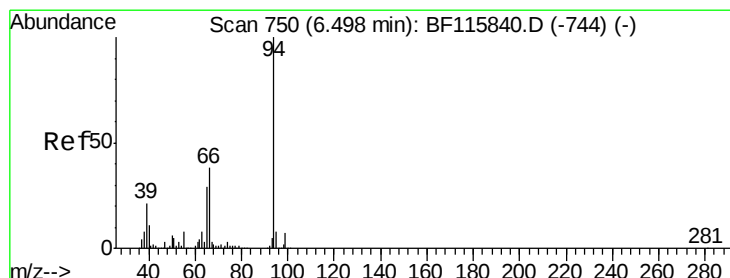
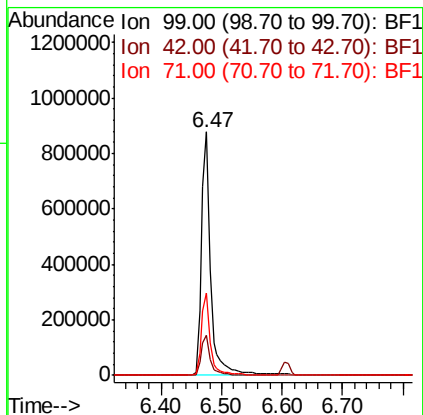
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.719 ng

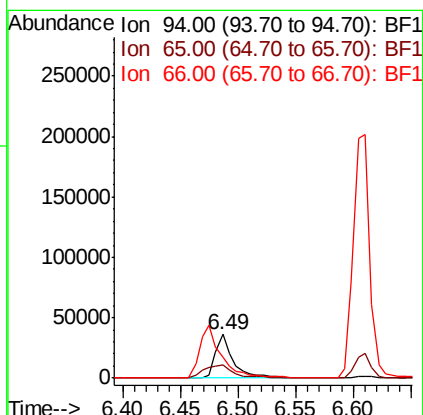
RT: 6.49 min Scan# 748

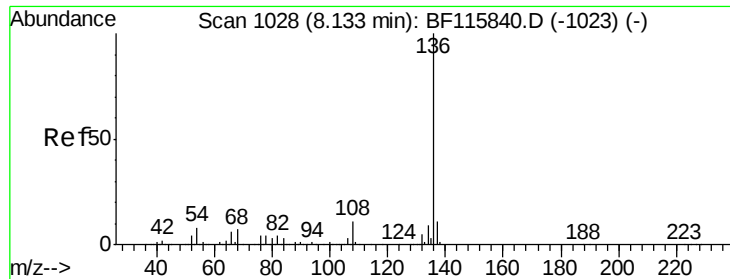
Delta R.T. -0.02 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Tgt Ion:	94	Resp:	39594
Ion Ratio	Lower	Upper	
94	100		
65	29.2	16.8	56.8
66	48.2	34.2	74.2





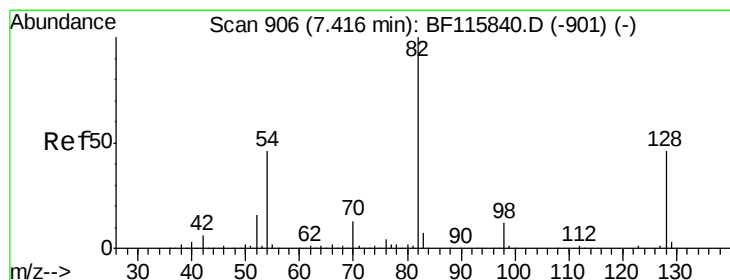
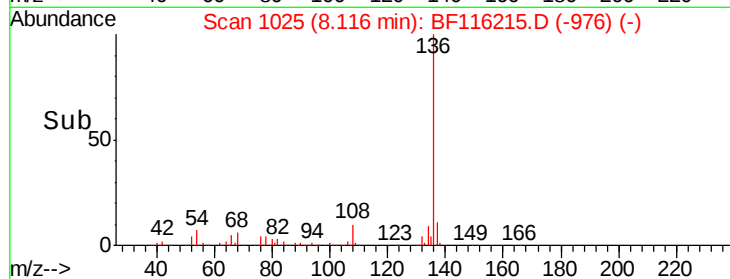
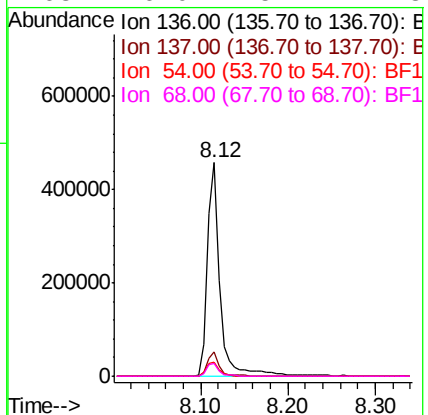
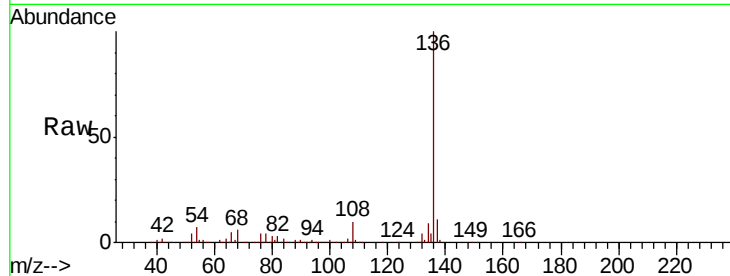
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		464687		
137	11.1		9.0	13.4	
54	6.9		5.8	8.6	
68	6.0		5.2	7.8	

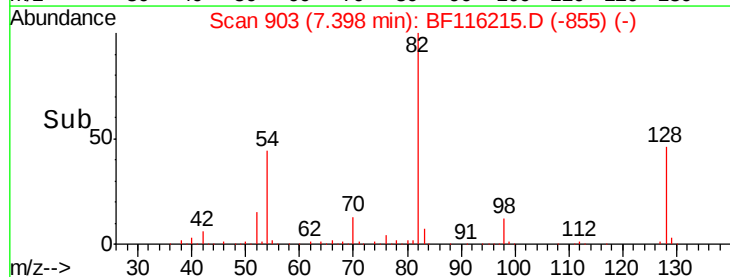
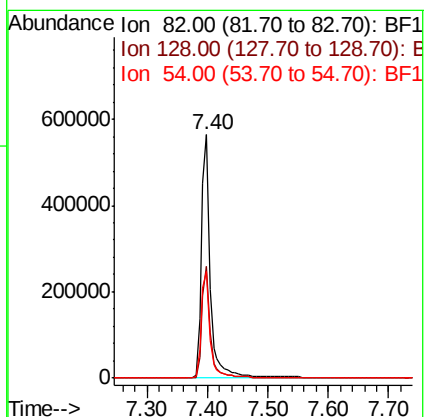
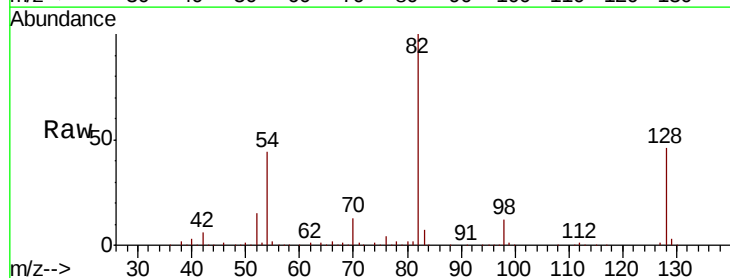
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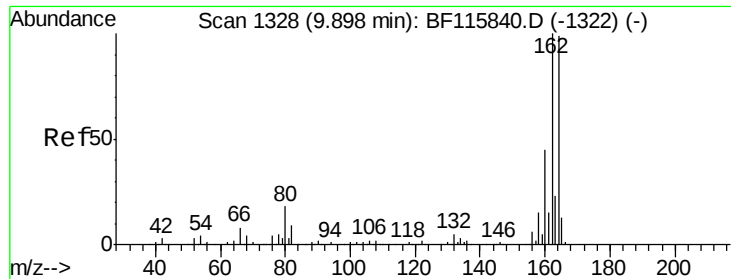
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#23
Nitrobenzene-d5
Concen: 73.371 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		590660		
128	45.7		36.5	54.7	
54	43.7		36.0	54.0	





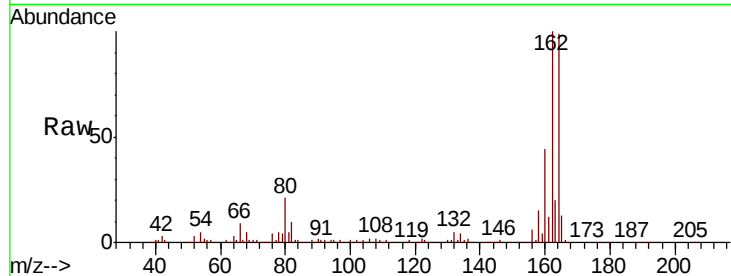
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

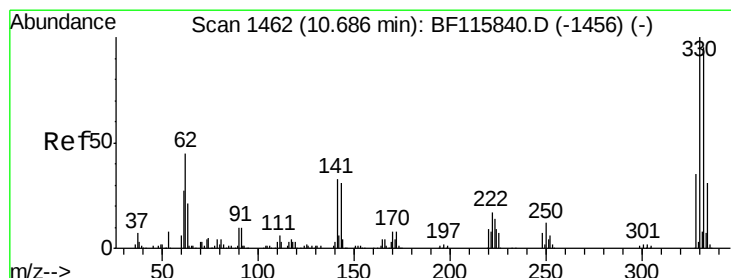
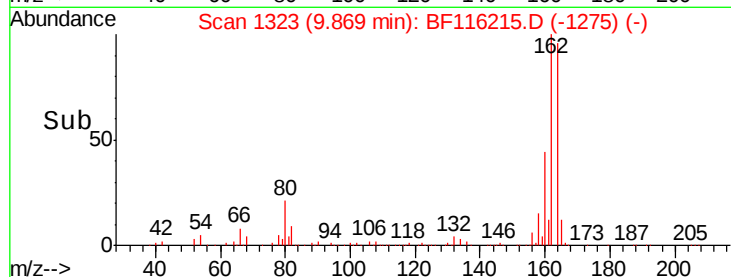
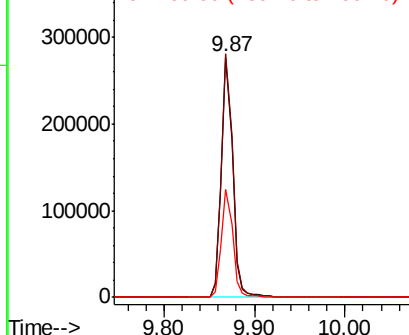
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	82.6	124.0	
160	44.8	37.6	56.4	

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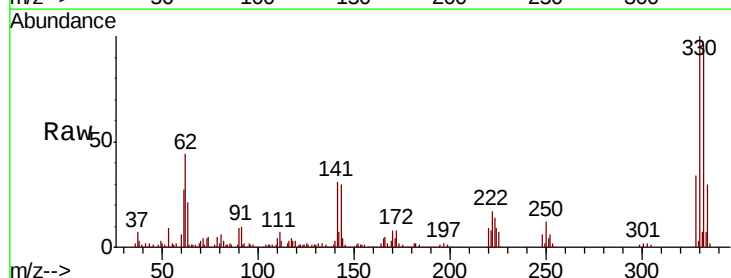


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

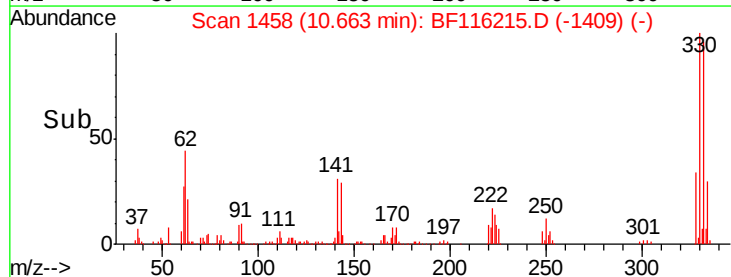
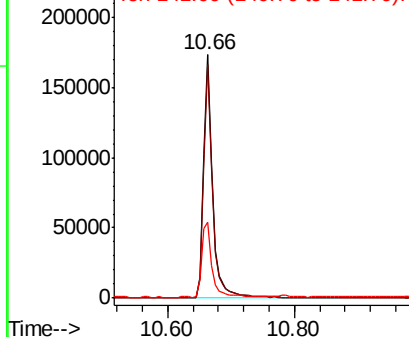


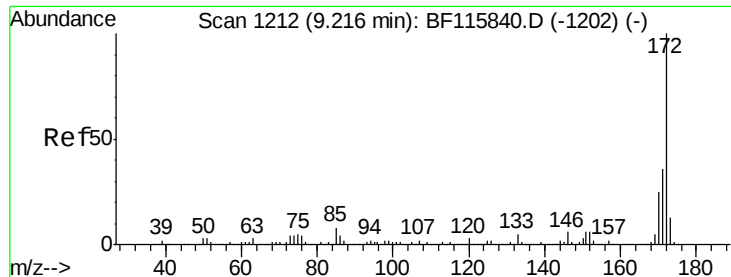
#42
2,4,6-Tribromophenol
Concen: 74.614 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	76.8	115.2	
141	34.2	26.3	39.5	



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





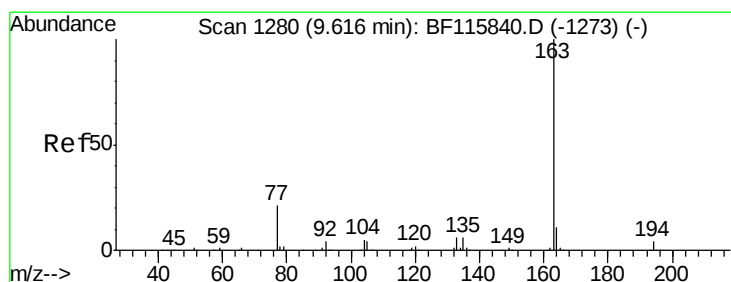
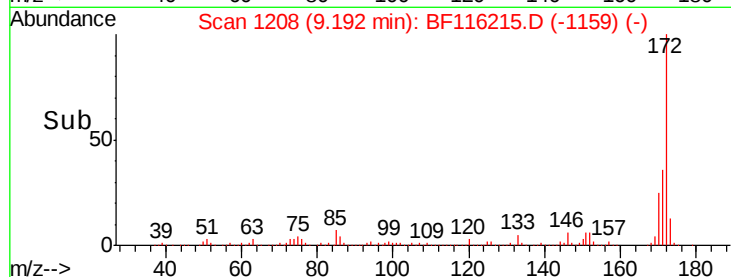
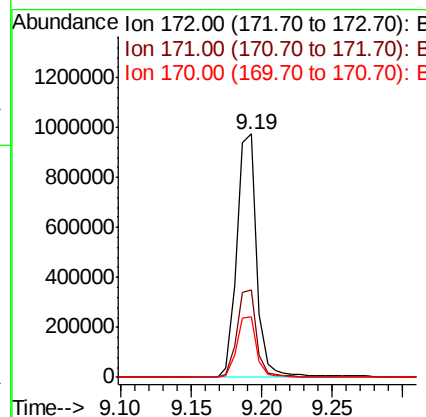
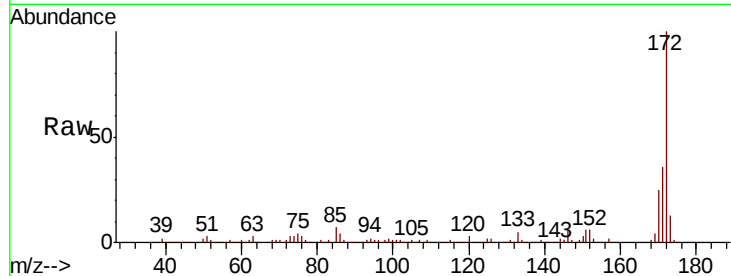
#45
2-Fluorobiphenyl
Concen: 75.760 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.6	20.1	30.1

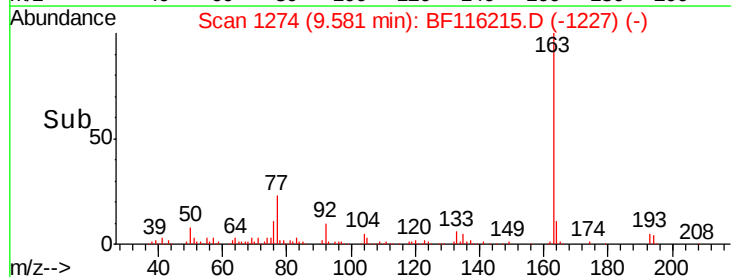
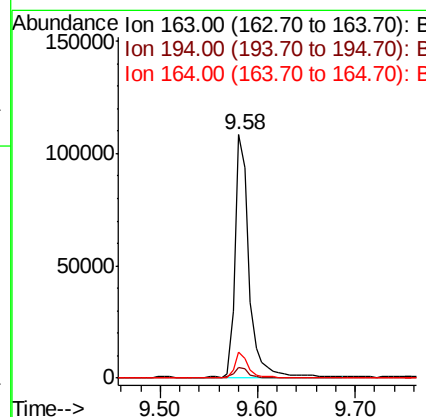
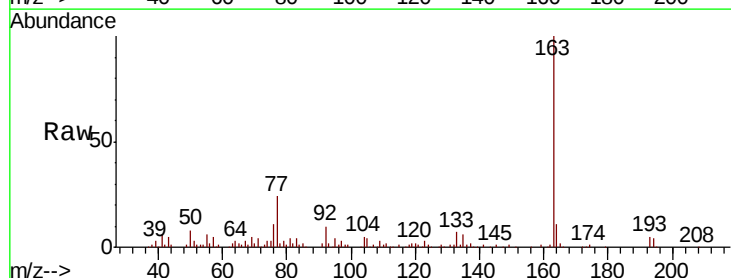
Manual Integrations
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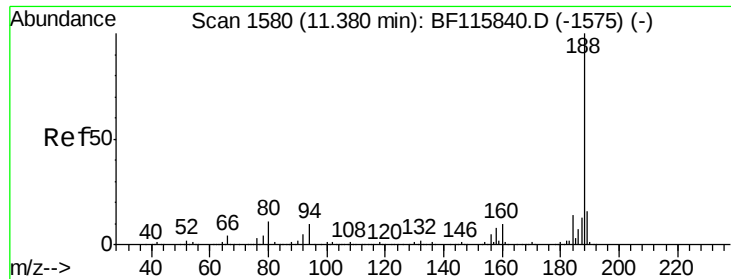
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#50
Dimethylphthalate
Concen: 6.829 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.8	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Instrument :

BNA_F

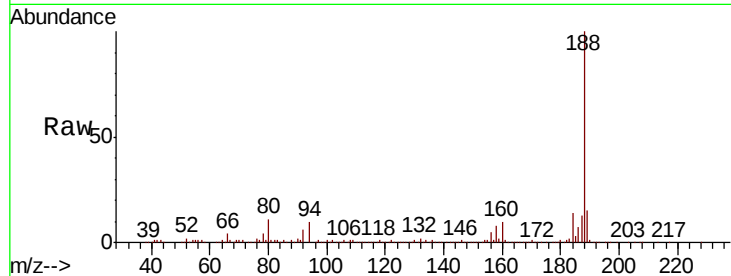
ClientSampleID :

COMP-25

Tot Ion:	188	Resp:	347573
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.1	12.1
80	11.4	8.7	13.1

Manual Integrations
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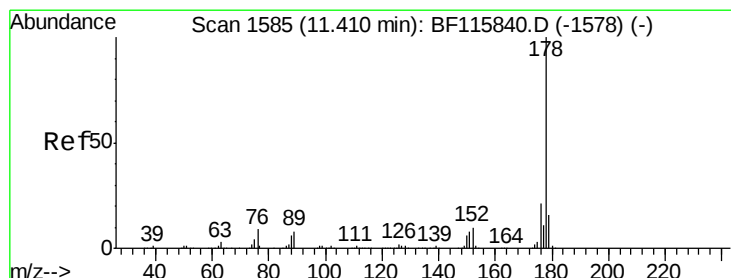
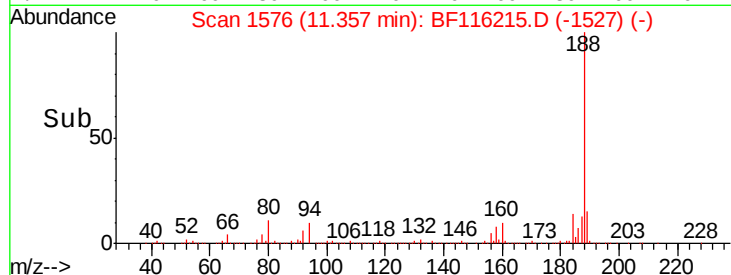
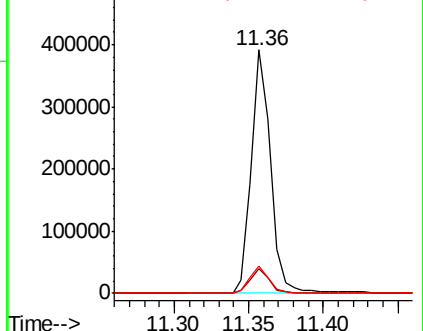
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 7.949 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF116215.D

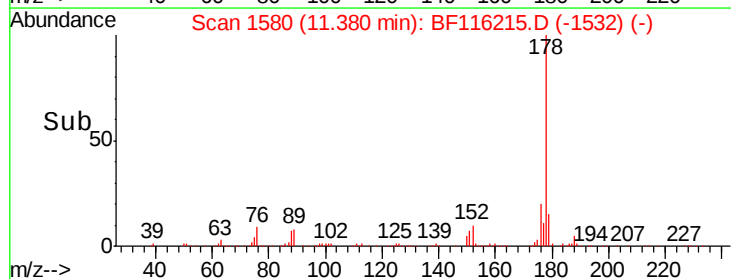
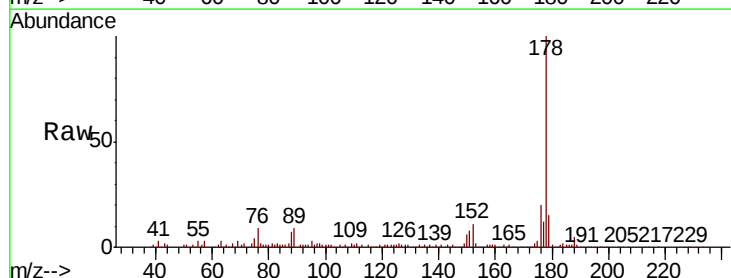
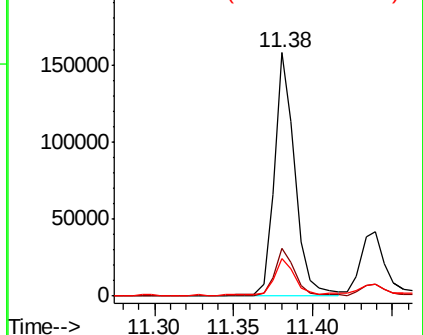
Acq: 13 Aug 2019 3:17

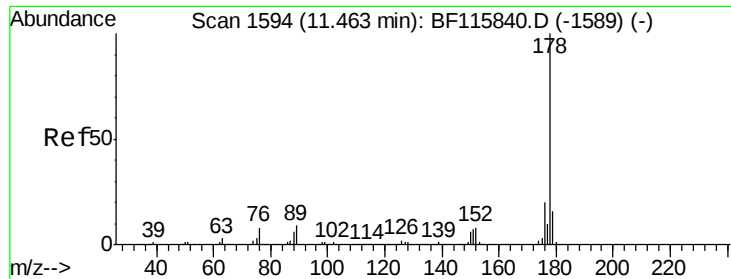
Tgt Ion:	178	Resp:	141237
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.6	24.8
179	15.3	12.5	18.7

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





#72

Anthracene

Concen: 2.883 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Instrument :

BNA_F

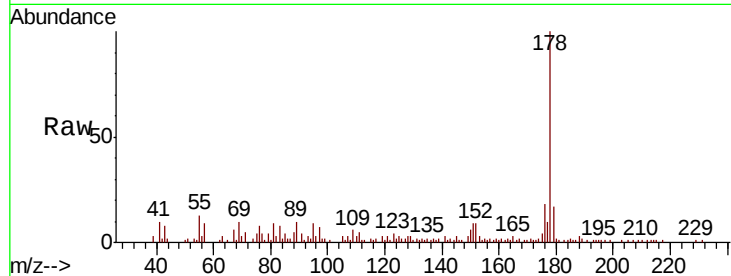
ClientSampleId :

COMP-25

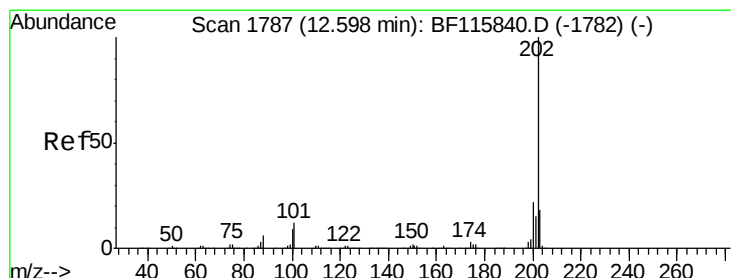
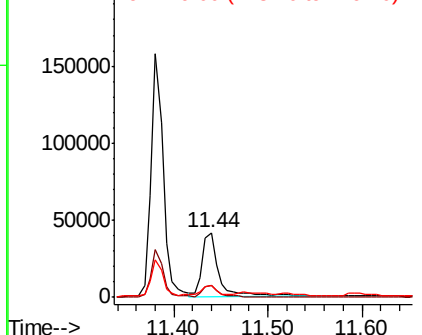
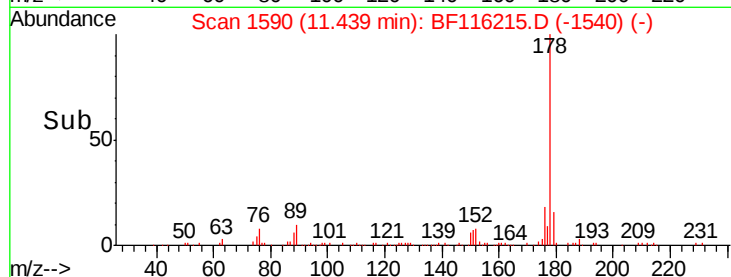
Tot Ion:	178	Resp:	51853
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.7	23.5
179	17.5	13.0	19.6

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



#75

Fluoranthene

Concen: 19.465 ng

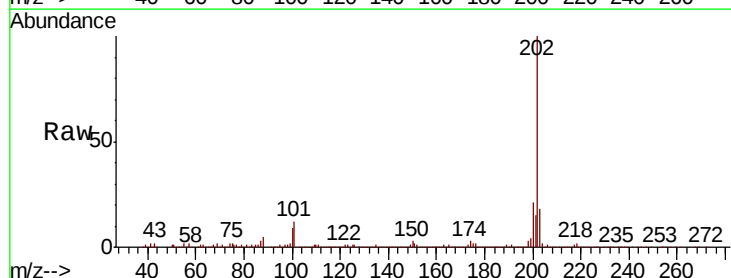
RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

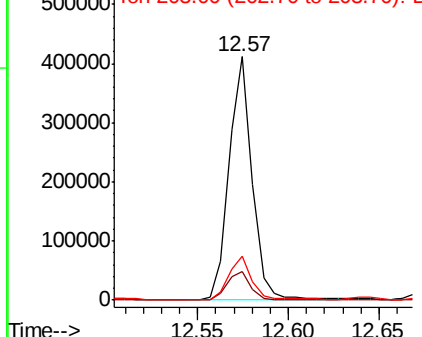
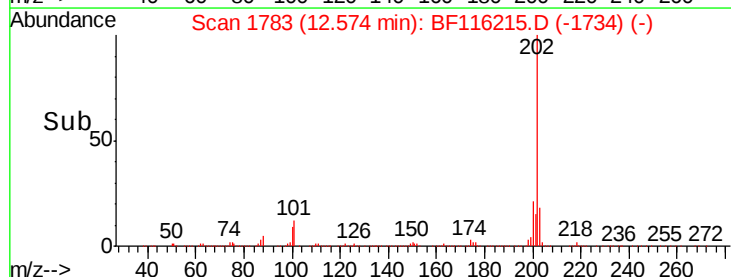
Lab File: BF116215.D

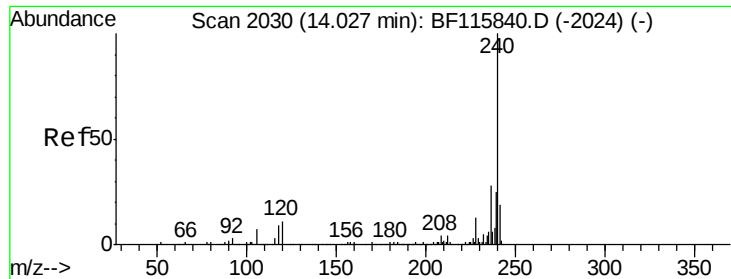
Acq: 13 Aug 2019 3:17

Tgt Ion:	202	Resp:	362095
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.2
203	18.0	0.0	37.8



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





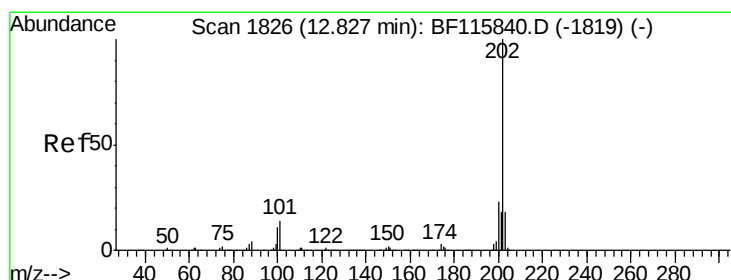
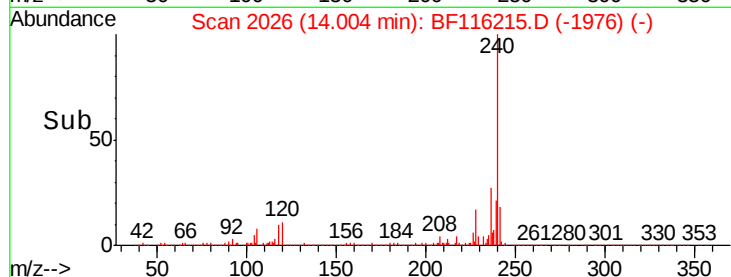
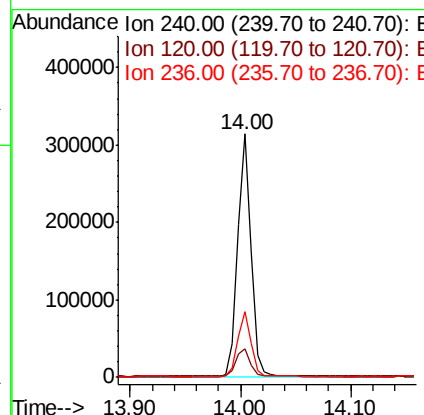
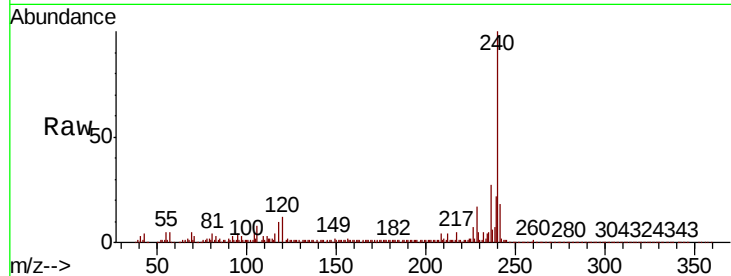
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ratio	Resp	Lower	Upper
240	100	268743		
120	11.6	10.7	16.1	
236	26.9	22.2	33.2	

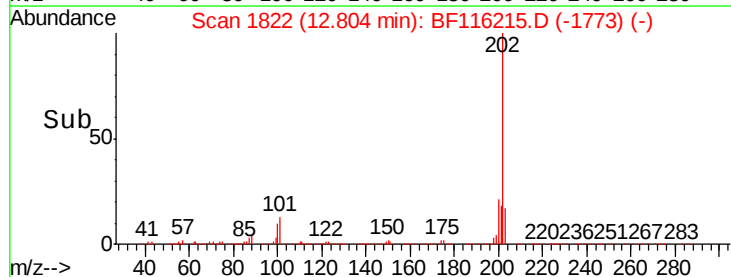
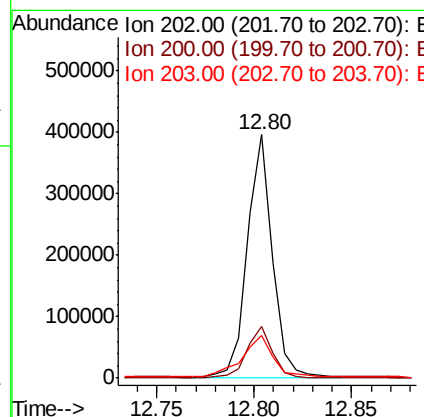
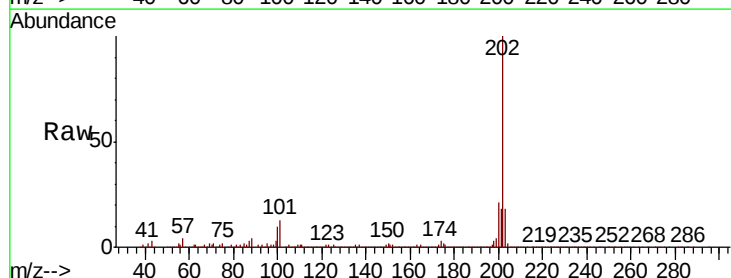
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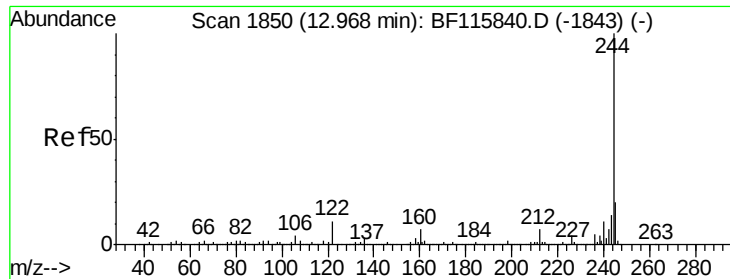
mohammad
8/14/2019 2:54:00 AM



#78
Pyrene
Concen: 17.351 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	351506		
200	21.3	18.0	27.0	
203	17.5	14.1	21.1	





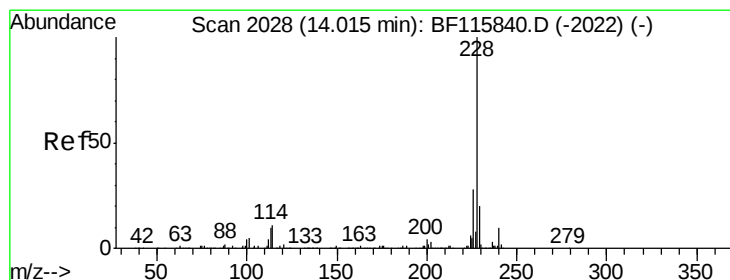
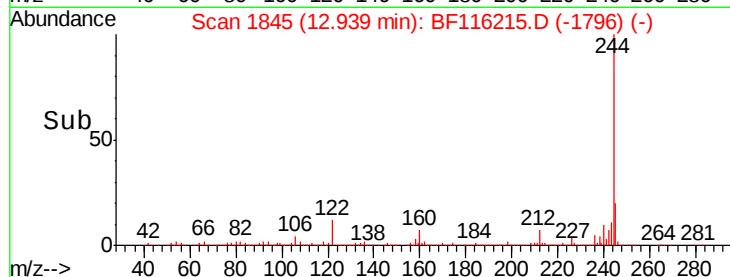
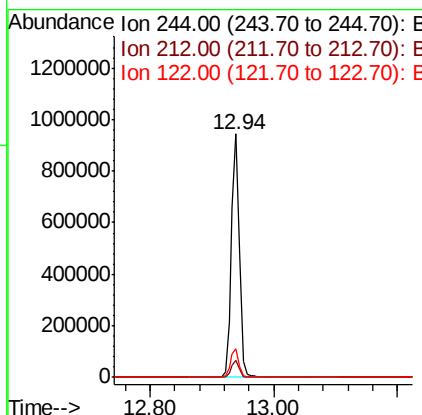
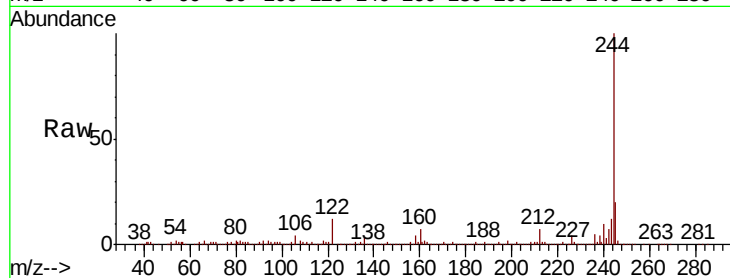
#79
 Terphenyl-d14
 Concen: 67.320 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Instrument :
 BNA_F
 ClientSampleId :
 COMP-25

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.6	9.0	13.4

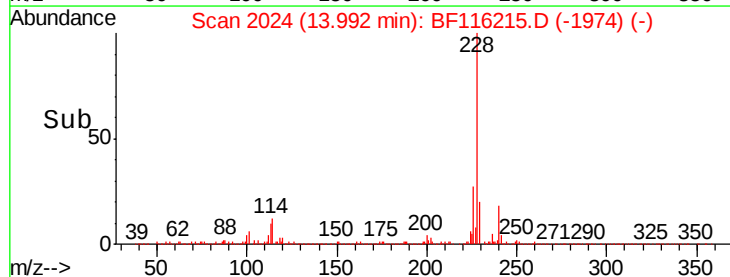
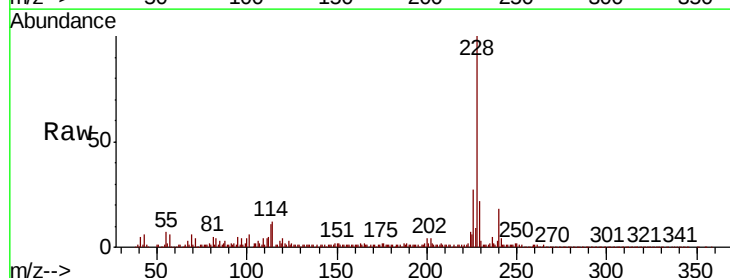
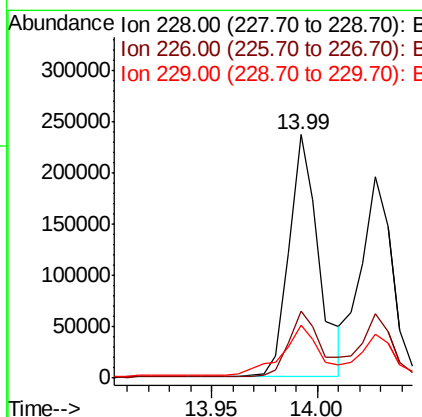
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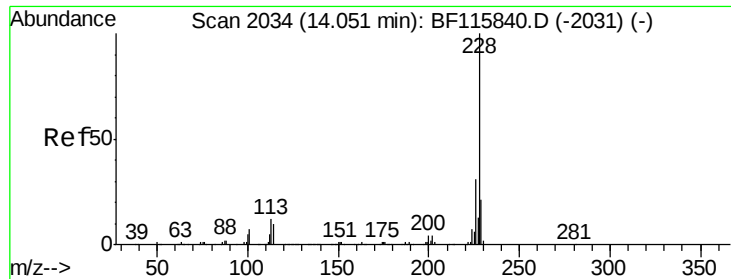
mohammad
 8/14/2019 2:54:00 AM



#81
 Benzo(a)anthracene
 Concen: 13.537 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.7	34.1
229	21.5	16.2	24.4





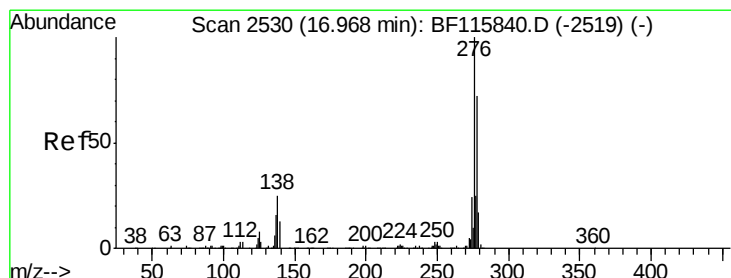
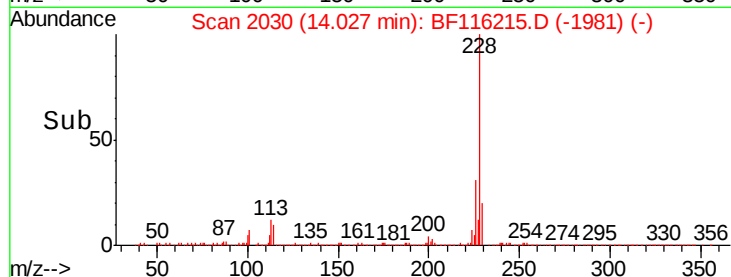
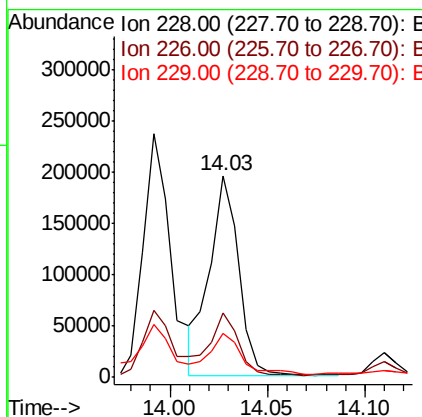
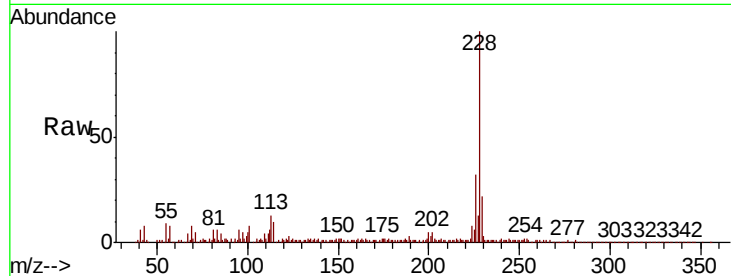
#83
Chrysene
Concen: 12.278 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.5	38.3
229	21.6	16.6	24.8

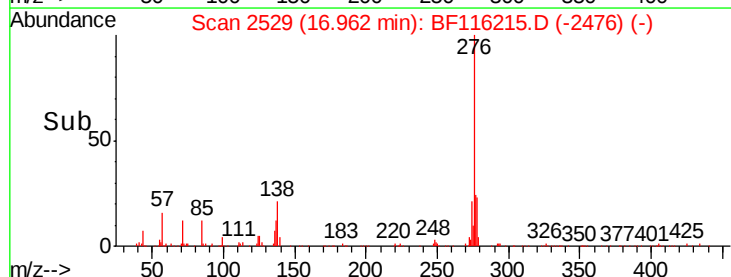
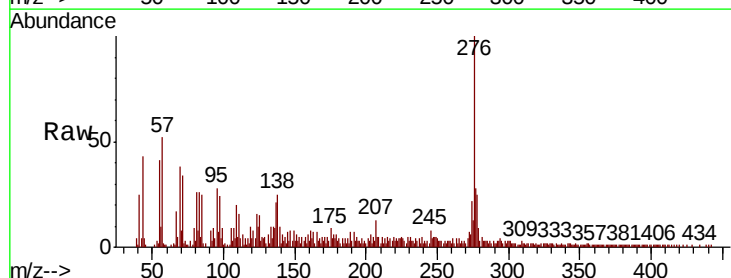
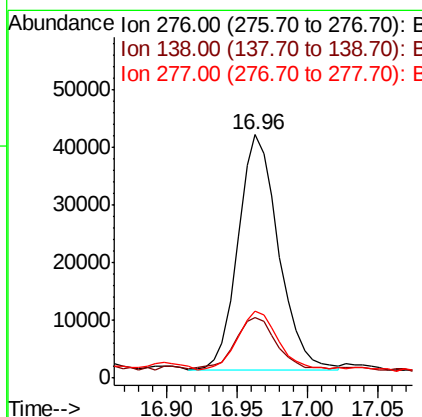
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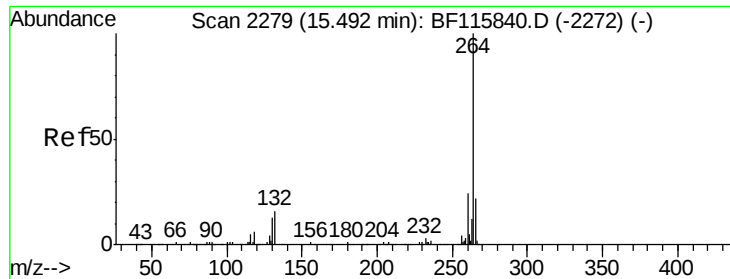
mohammad
8/14/2019 2:54:00 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.858 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.4	30.6
277	24.3	20.0	30.0





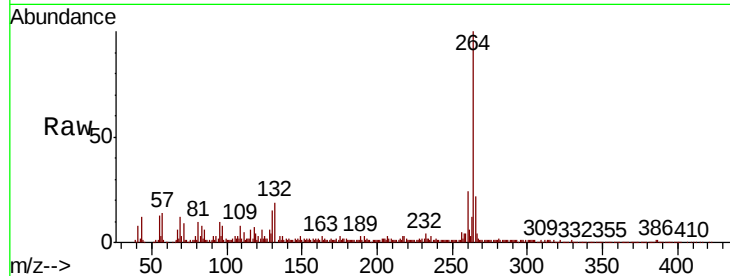
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampled :
COMP-25

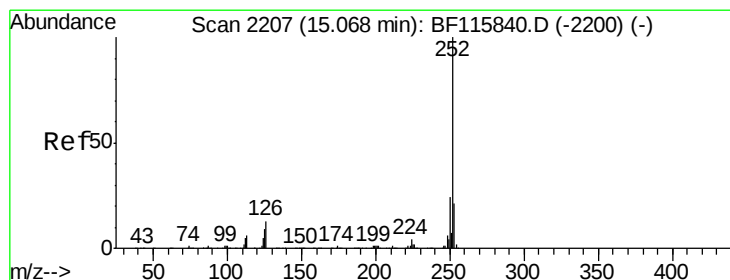
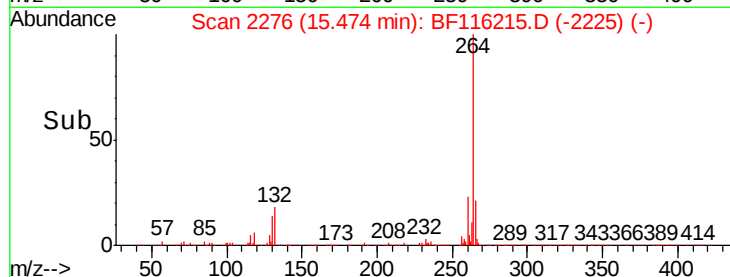
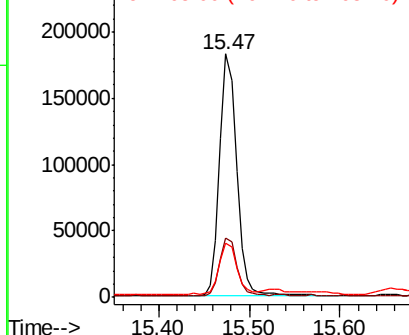
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	22.1	17.4	26.0

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mohammad
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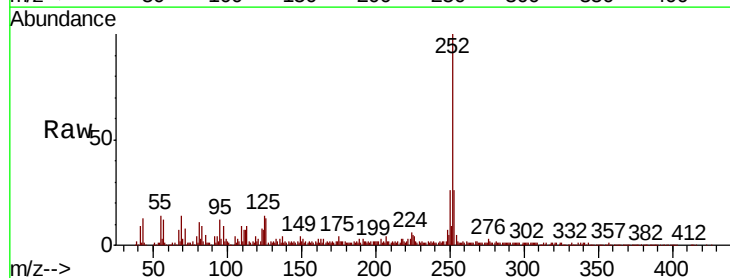


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

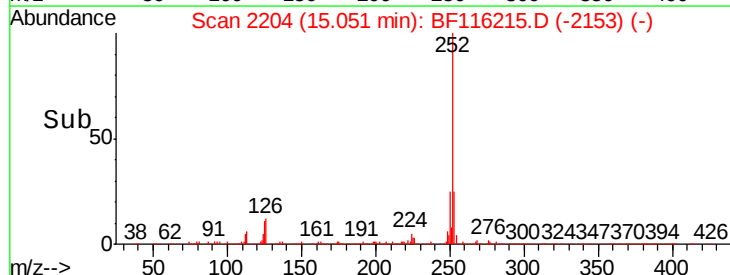
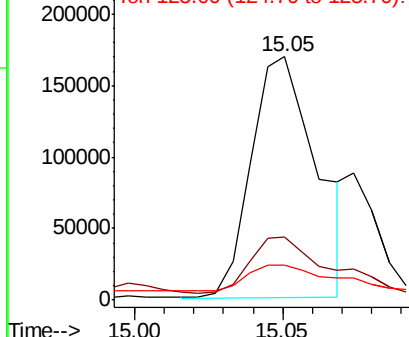


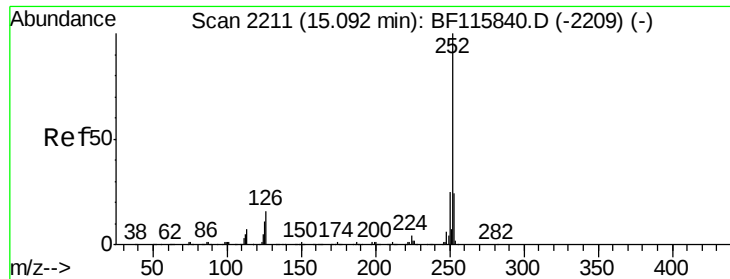
#88
Benzo(b)fluoranthene
Concen: 18.850 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.8
125	14.3	8.4	12.6#



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





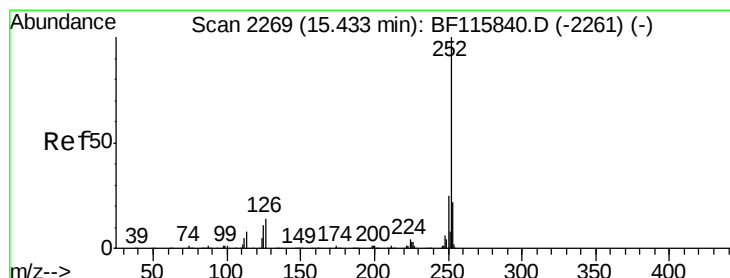
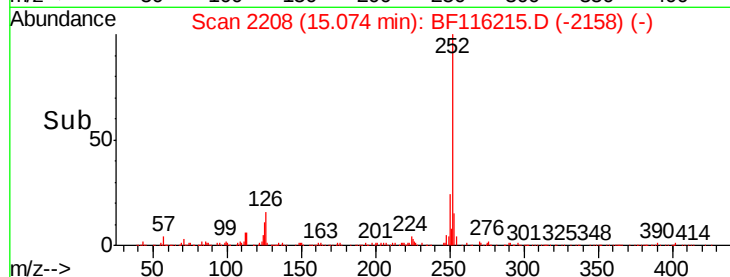
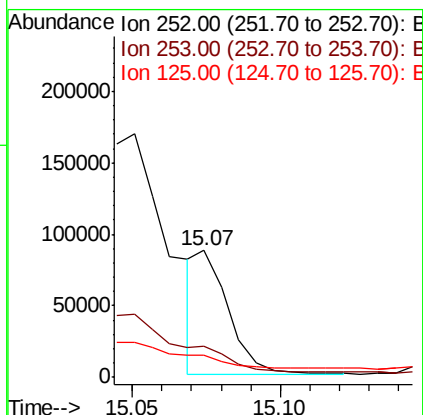
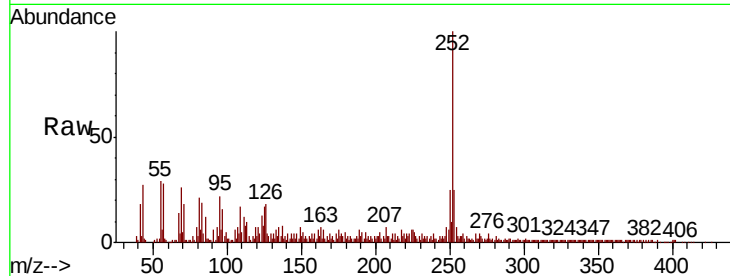
#89
Benzo(k)fluoranthene
Concen: 4.802 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	17.2	7.7	11.5

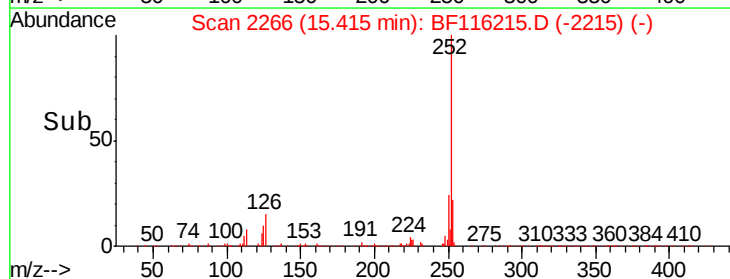
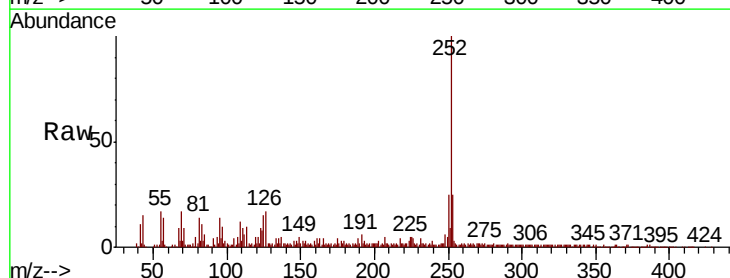
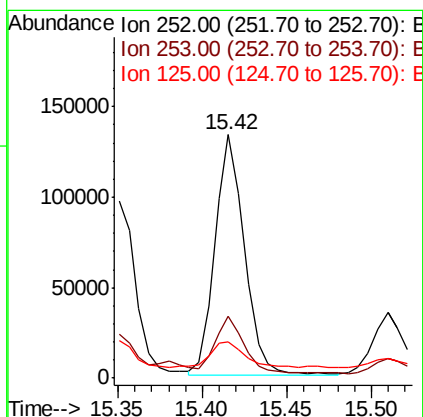
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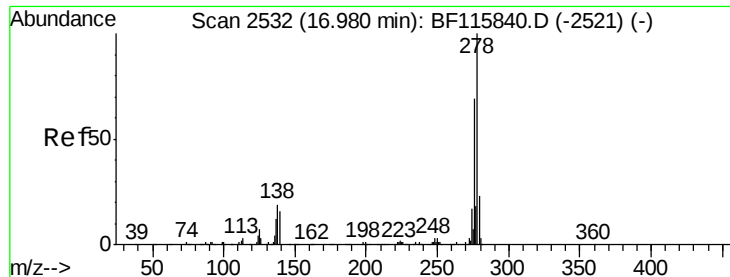
mohammad
8/14/2019 2:54:00 AM



#90
Benzo(a)pyrene
Concen: 13.049 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	14.9	8.9	13.3





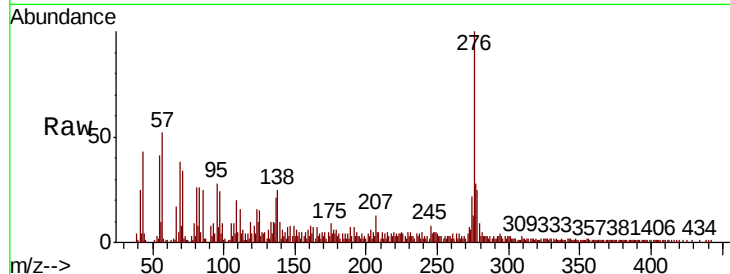
#91
 Dibenzo(a,h)anthracene
 Concen: 2.008 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Instrument :
 BNA_F
 ClientSampled :
 COMP-25

Tot Ion	Ratio	Lower	Upper
278	100		
139	39.7	12.8	19.2#
279	36.2	18.8	28.2#

Manual Integrations
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 8/14/2019 2:54:00 AM

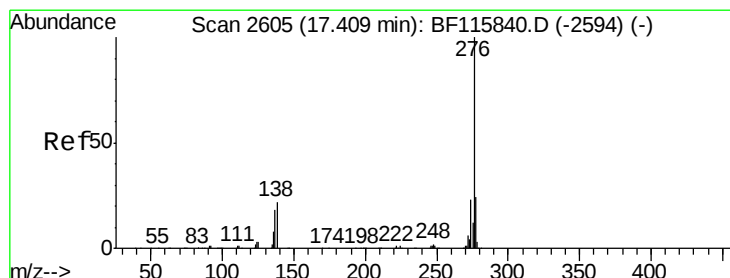
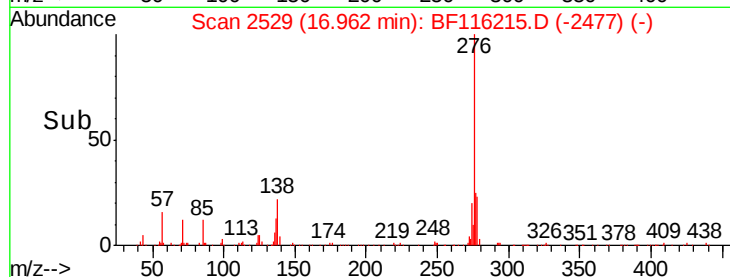
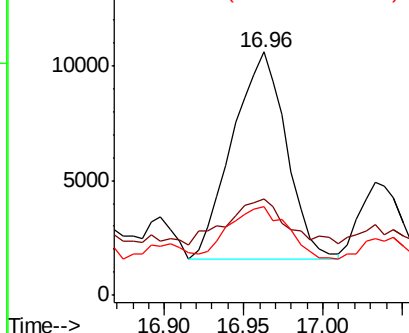


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
 Benzo(g,h,i)perylene
 Concen: 7.361 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.02 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.4	27.6
138	25.1	17.0	25.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

