

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095472.D
 Acq On : 26 May 2017 21:15
 Operator : SJ/MA
 Sample : I3244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

Manual Integrations
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Quant Time: May 27 04:25:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	95626	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	364710	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	160055	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	223128	20.00	ng	0.00
75) Chrysene-d12	18.67	240	199904	20.00	ng	0.00
86) Perylene-d12	20.35	264	143940	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	618958	107.91	ng	0.00
7) Phenol-d6	7.29	99	752490	109.34	ng	0.00
23) Nitrobenzene-d5	8.65	82	407848	70.52	ng	0.00
41) 2,4,6-Tribromophenol	13.89	330	110661	84.42	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	720682	64.81	ng	0.00
78) Terphenyl-d14	17.32	244	435700	48.01	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	91459	6.96	ng	100
70) Phenanthrene	15.04	178	514174	40.11	ng	97
71) Anthracene	15.12	178	92164	7.04	ng	97
74) Fluoranthene	16.78	202	763560	58.06	ng	99
77) Pyrene	17.08	202	680131	45.49	ng	98
80) Benzo(a)anthracene	18.66	228	328748	28.26	ng	98
82) Chrysene	18.71	228	304218	27.04	ng	97
85) Indeno(1,2,3-cd)pyrene	21.69	276	78412	8.58	ng	92
87) Benzo(b)fluoranthene	19.95	252	247857m	27.87	ng	
88) Benzo(k)fluoranthene	19.97	252	98718m	11.51	ng	
89) Benzo(a)pyrene	20.29	252	153241	18.67	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	21397	3.16	ng	# 89
91) Benzo(a,h,i)perylene	22.08	276	65146	9.79	ng	94

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

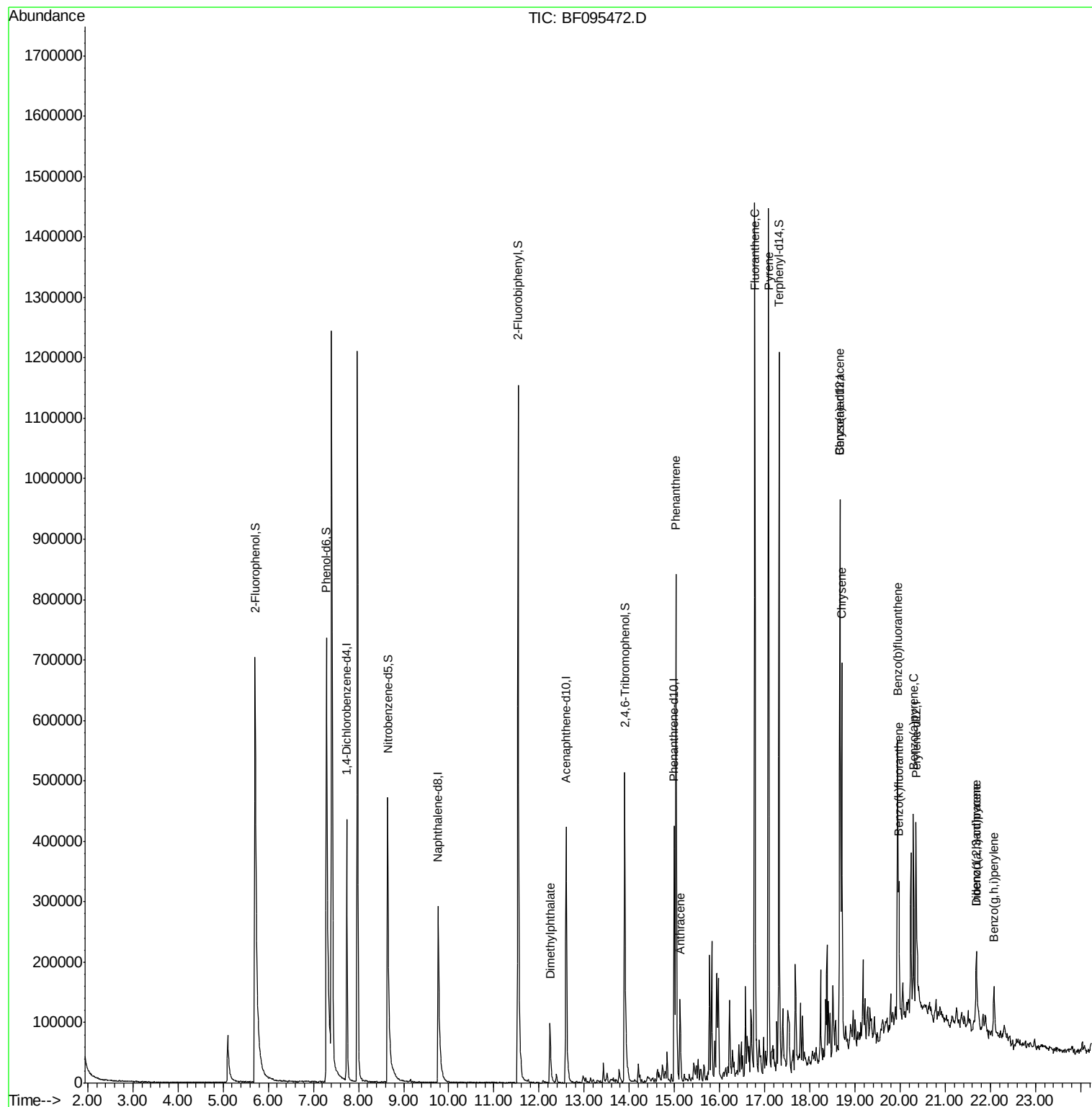
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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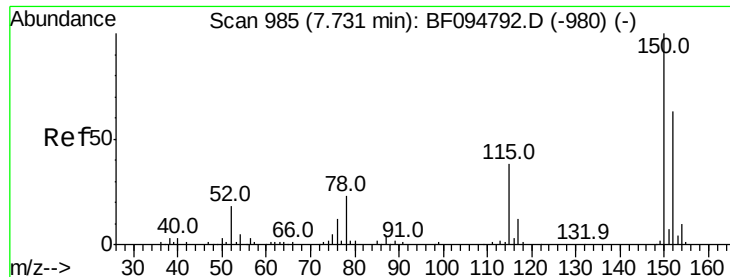
Instrument :
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NM3-COMP-6-18

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

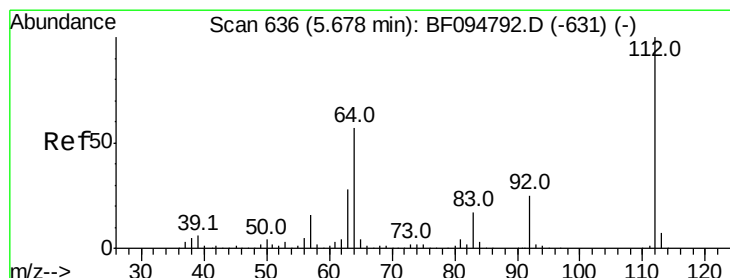
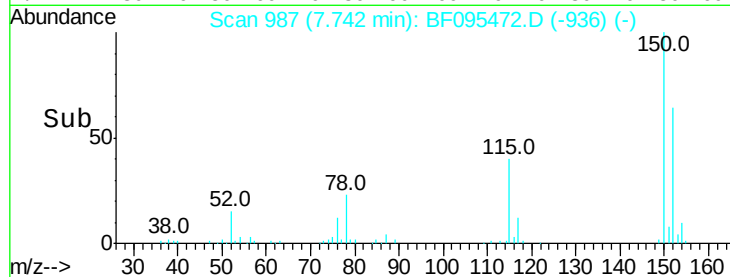
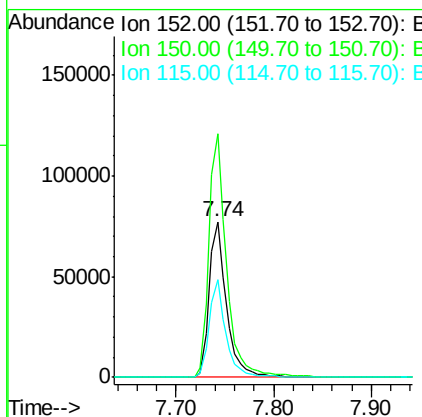
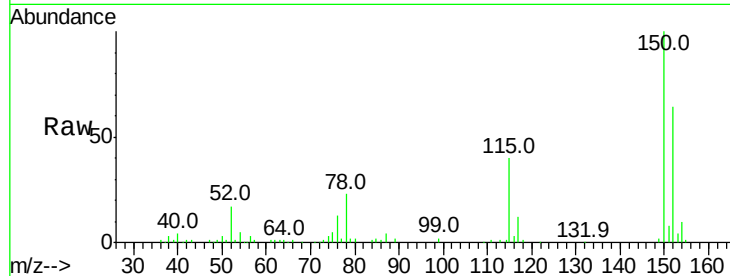
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	62.8	52.2	78.2

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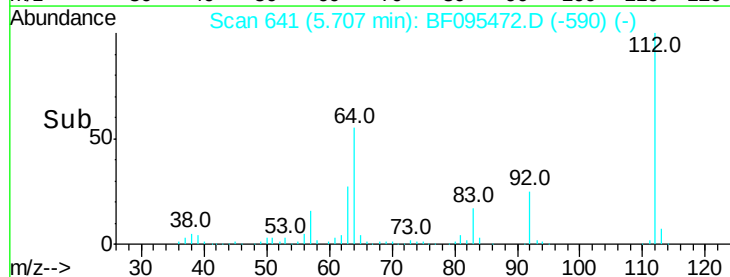
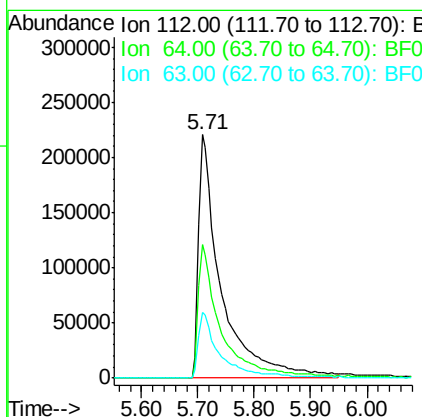
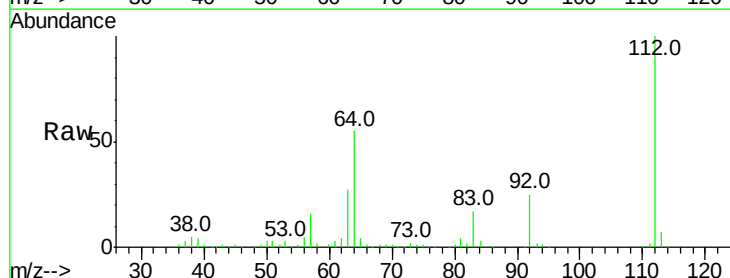
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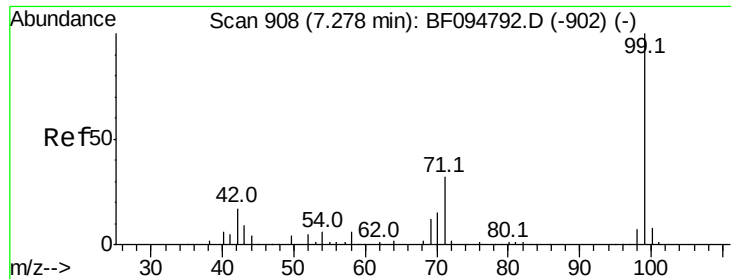


#5

2-Fluorophenol
Concen: 107.91 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	26.9	23.4	35.0





#7

Phenol-d6

Concen: 109.34 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Instrument :

BNA_F

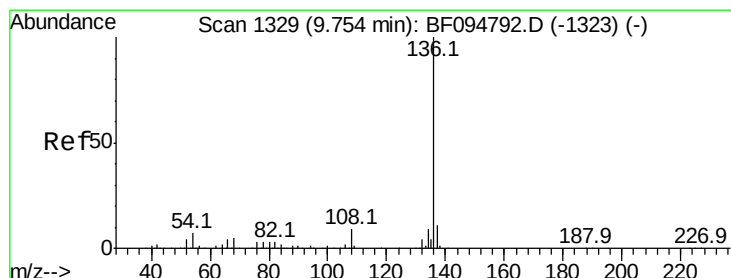
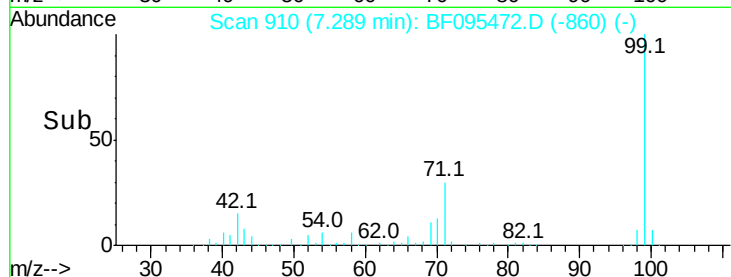
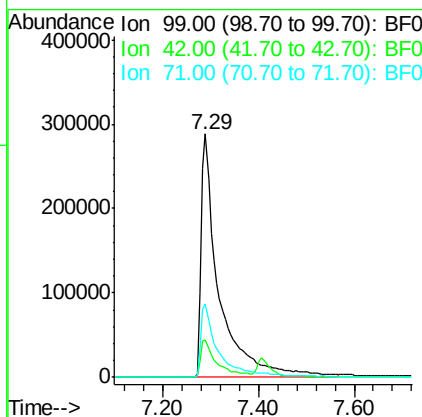
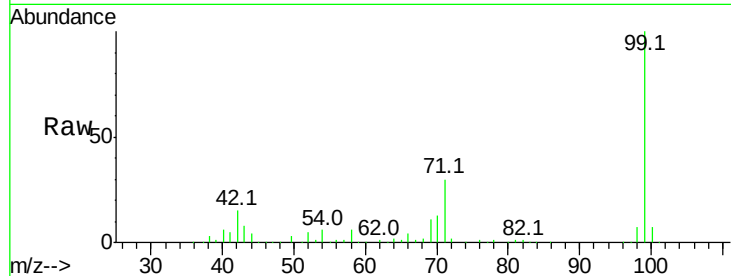
ClientSampleId :

NM3-COMP-6-18

Tot Ion:	99	Resp:	752490
Ion Ratio	Lower	Upper	
99	100		
42	15.3	13.5	20.3
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

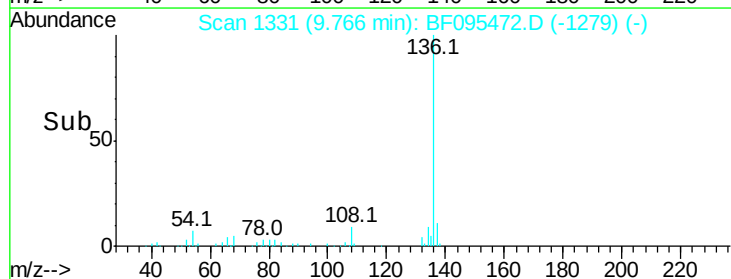
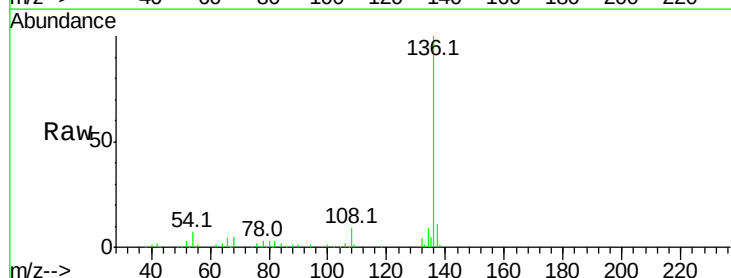
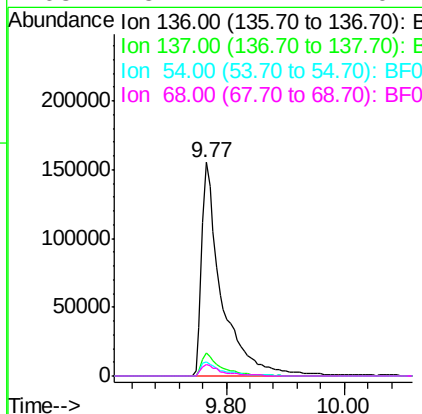
RT: 9.77 min Scan# 1331

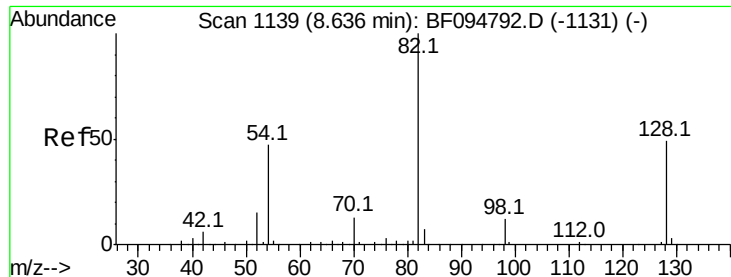
Delta R.T. 0.01 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Tgt Ion:	136	Resp:	364710
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.9	4.9	7.3
68	5.4	4.1	6.1





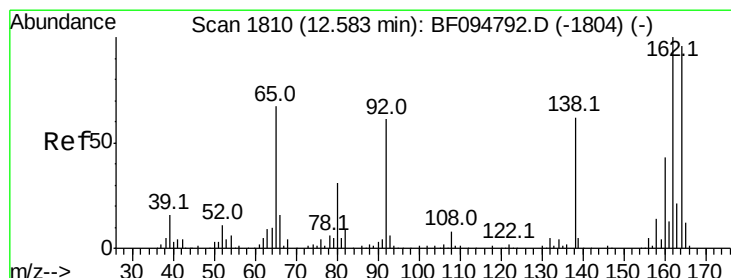
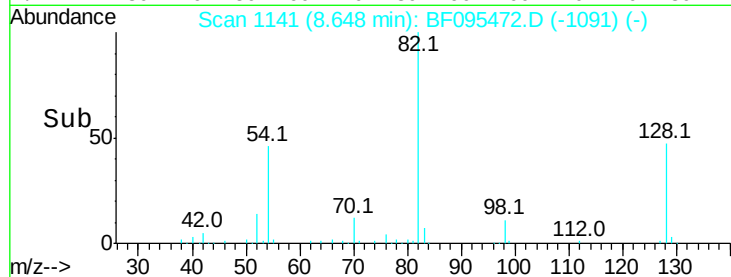
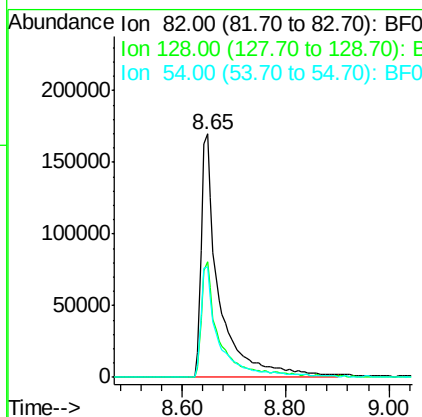
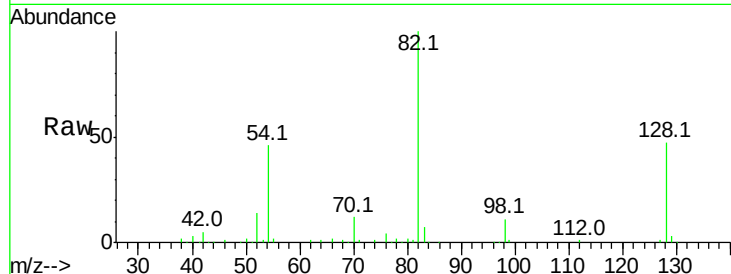
#23
Nitrobenzene-d5
Concen: 70.52 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Tot Ion	82	Resp	407848
Ion Ratio	100	Lower	Upper
128	47.5	34.0	51.0
54	45.6	42.2	63.2

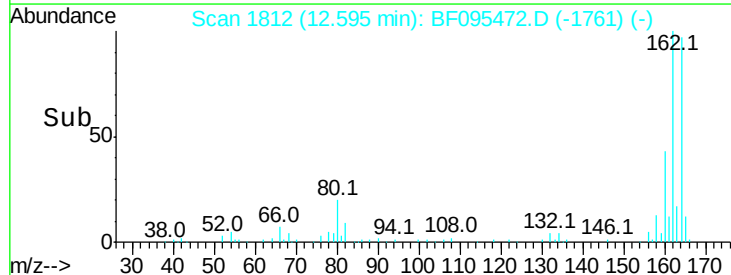
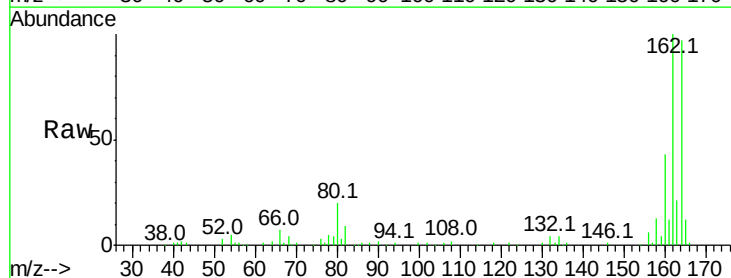
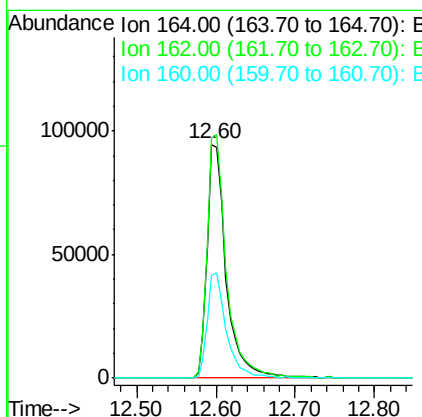
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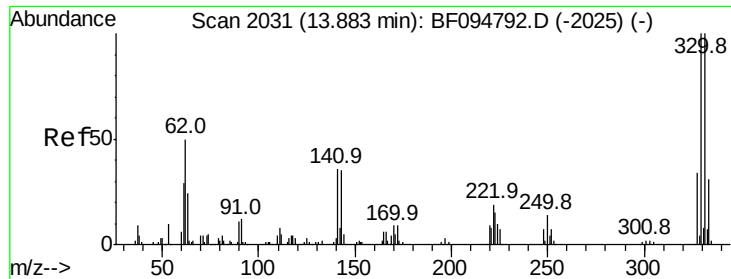
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Tgt Ion	164	Resp	160055
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	102.7	82.6	123.8
160	44.2	36.2	54.2





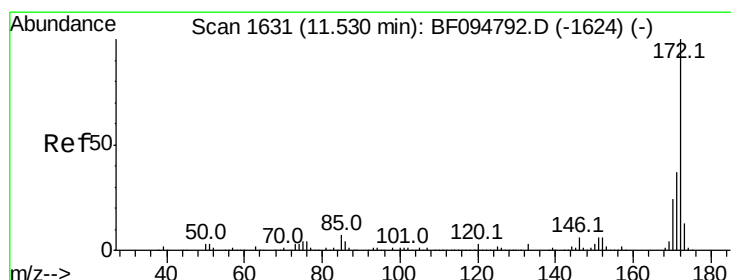
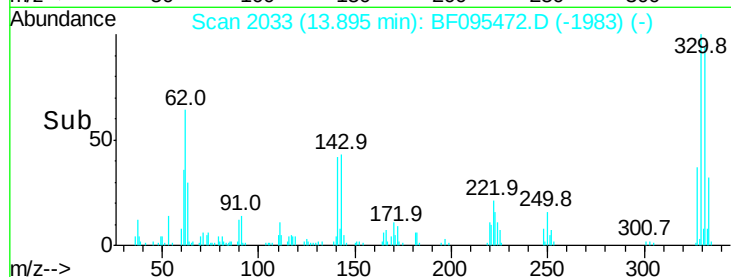
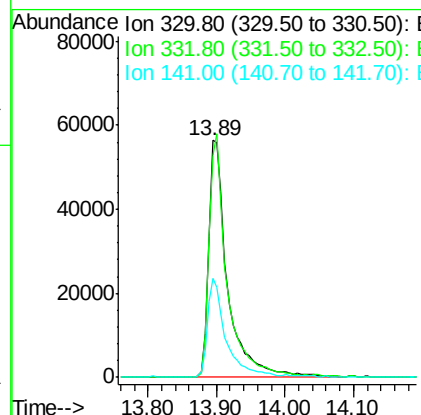
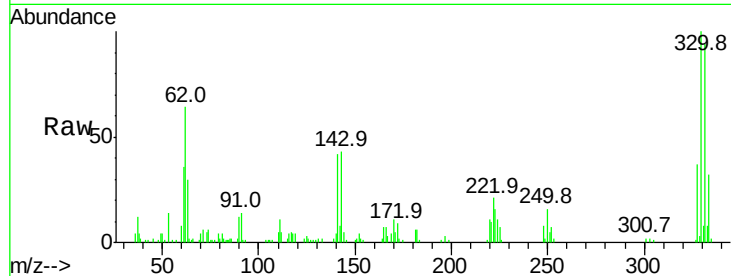
#41
 2,4,6-Tribromophenol
 Concen: 84.42 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095472.D
 Acq: 26 May 2017 21:15

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

Tot Ion	Ratio	Resp	Lower	Upper
330	100	110661		
332	97.1	76.6	115.0	
141	40.3	31.4	47.2	

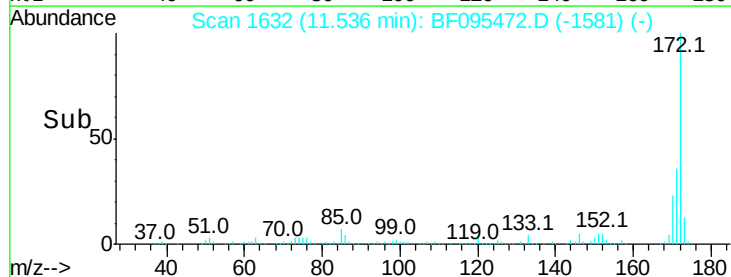
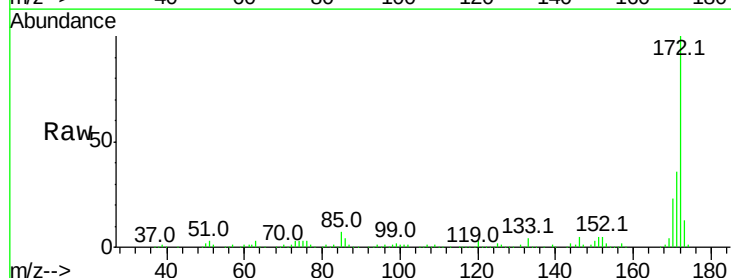
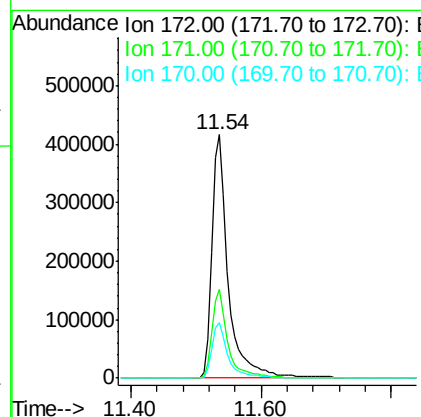
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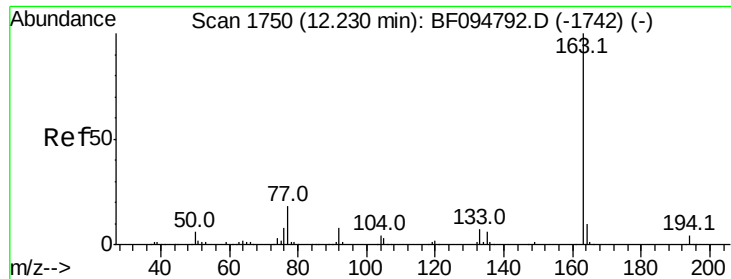
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#44
 2-Fluorobiphenyl
 Concen: 64.81 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BF095472.D
 Acq: 26 May 2017 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	720682		
171	36.2	29.6	44.4	
170	23.0	19.8	29.8	





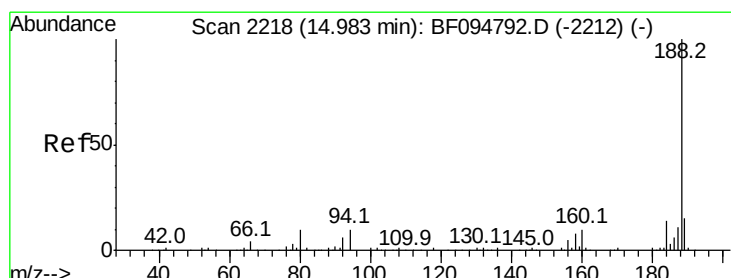
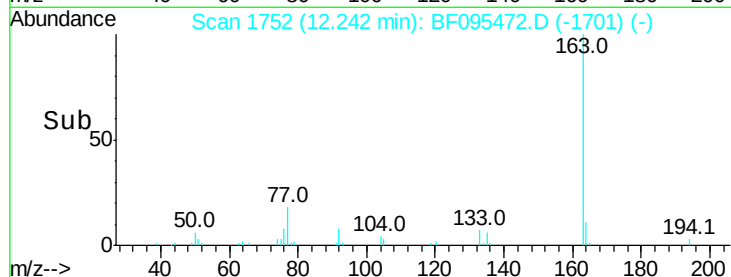
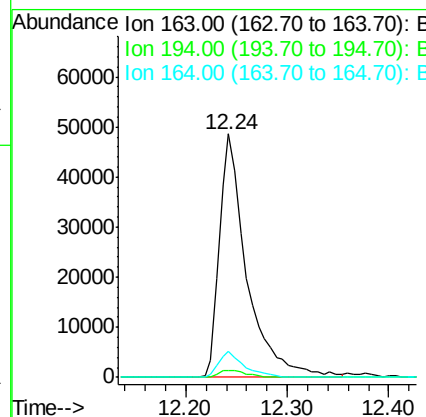
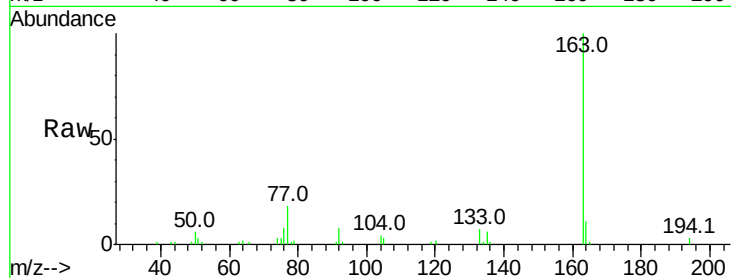
#49
Dimethylphthalate
Concen: 6.96 ng
RT: 12.24 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Tot Ion:163 Resp: 91459
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.6 8.4 12.6

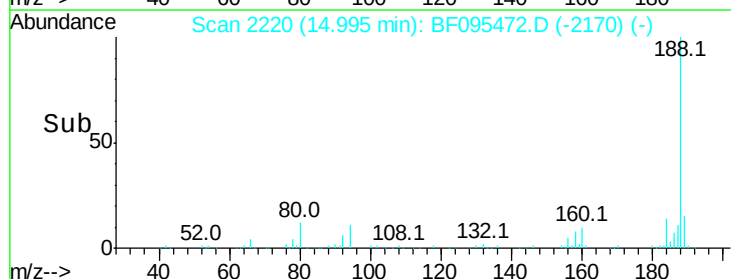
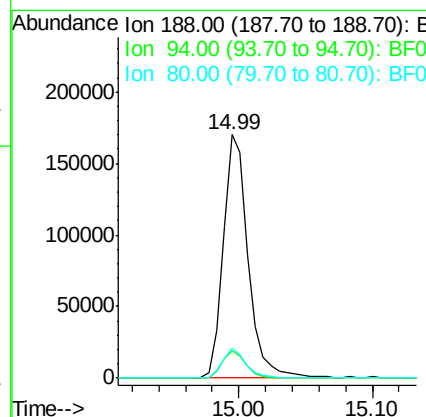
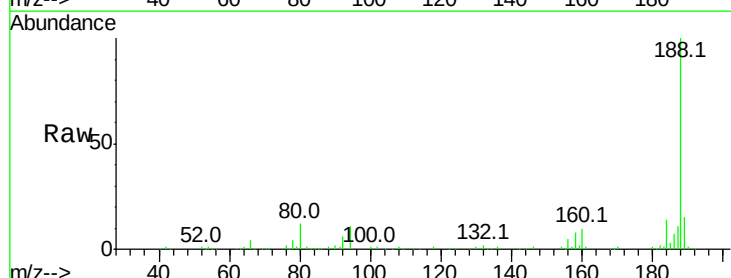
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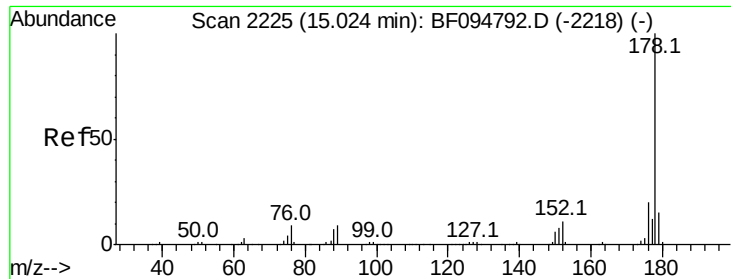
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Tgt Ion:188 Resp: 223128
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 12.1 10.2 15.2





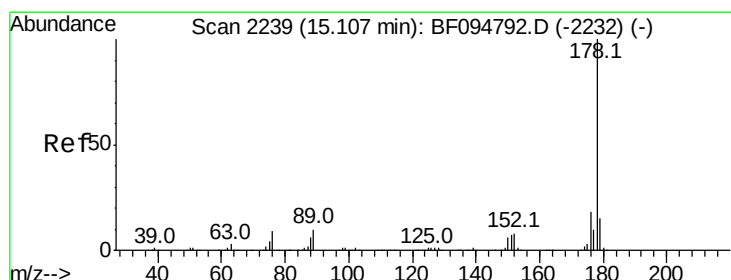
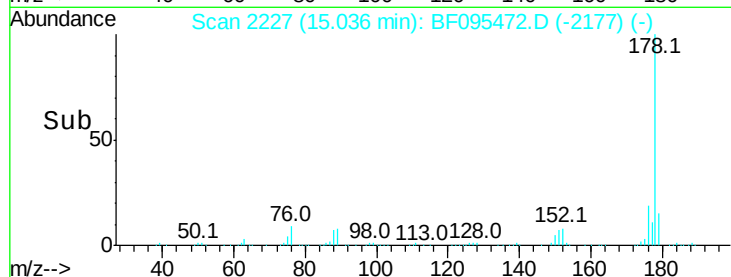
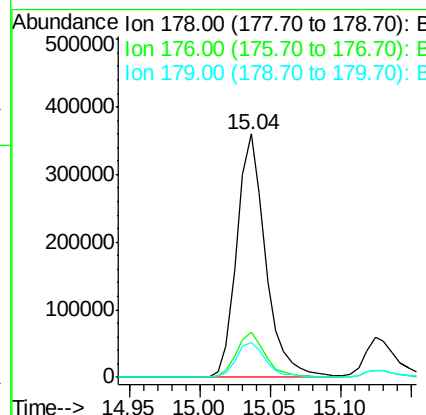
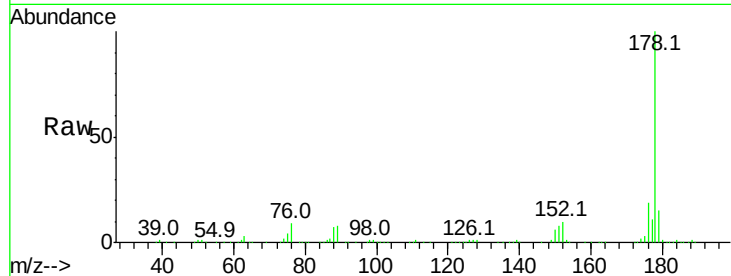
#70
Phenanthrene
Concen: 40.11 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	14.6	12.6	19.0

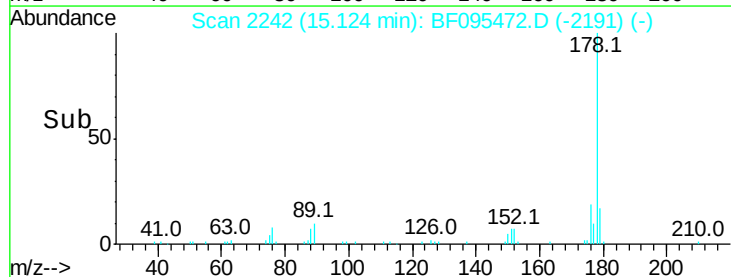
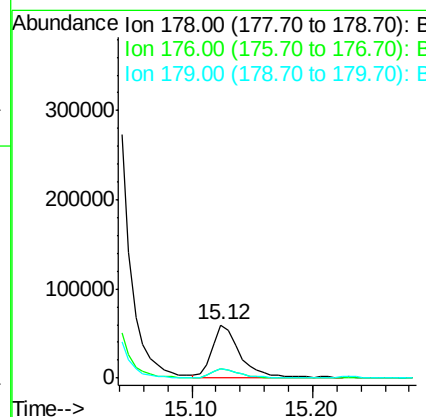
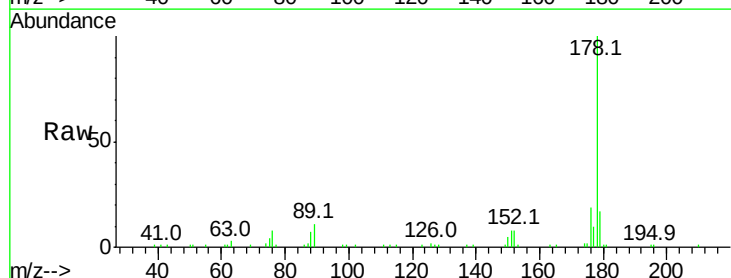
Manual Integrations
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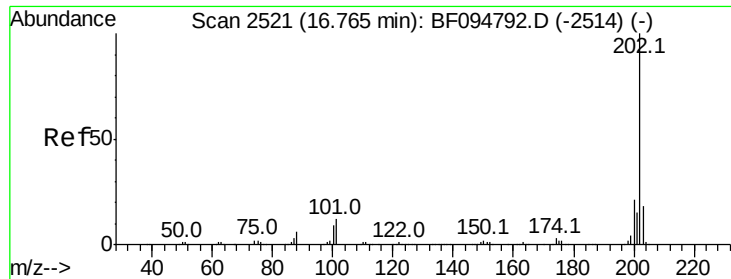
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#71
Anthracene
Concen: 7.04 ng
RT: 15.12 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	17.2	12.7	19.1





#74

Fluoranthene

Concen: 58.06 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Instrument :

BNA_F

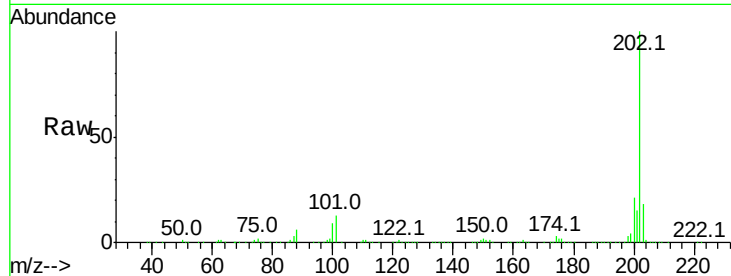
ClientSampleId :

NM3-COMP-6-18

Tot Ion	Ratio	Resp	Lower	Upper
202	100	763560		
101	13.4	0.0	33.2	
203	17.6	0.0	38.1	

Manual Integrations
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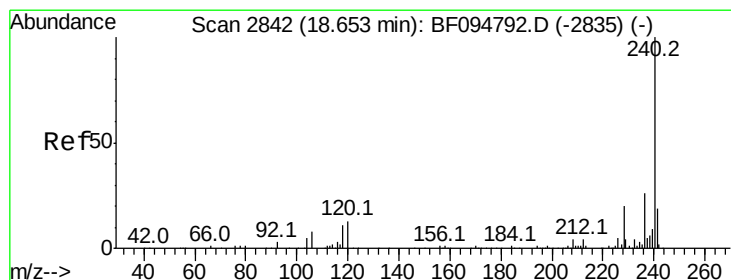
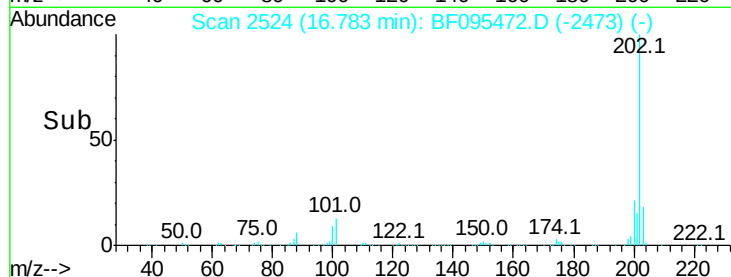
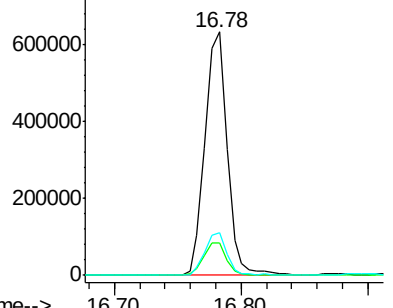
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

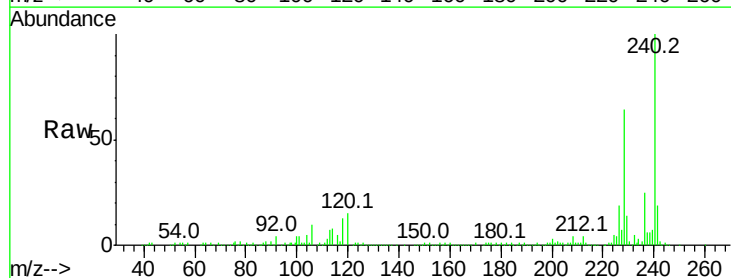
RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

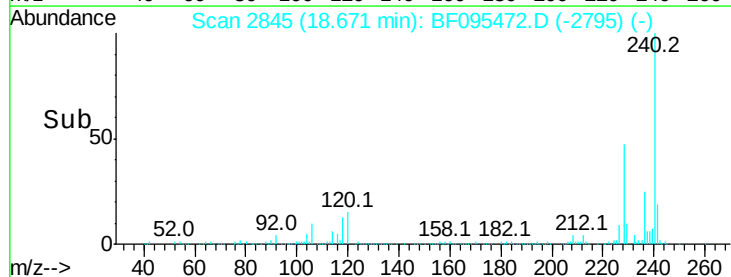
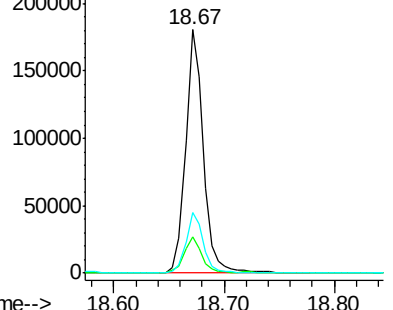
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	199904		
120	14.9	5.8	8.8#	
236	25.1	20.5	30.7	

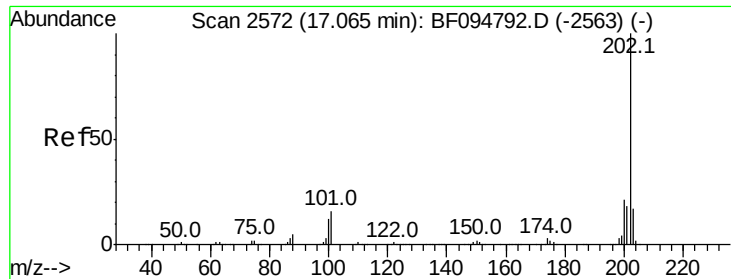


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 45.49 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Instrument :

BNA_F

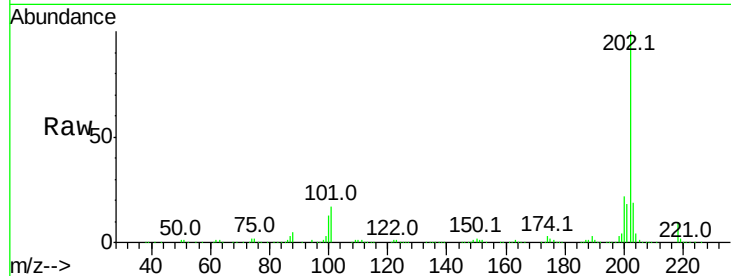
ClientSampleId :

NM3-COMP-6-18

Tot Ion:	202	Resp:	680131
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.4	14.4	21.6

Manual Integrations
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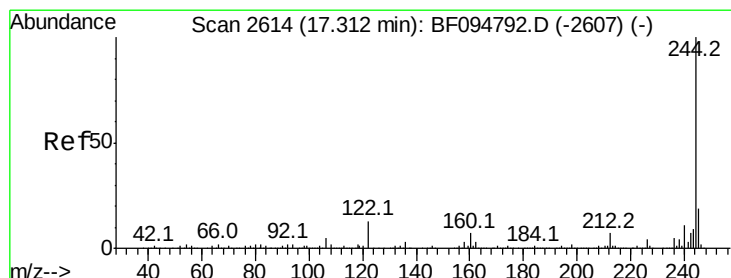
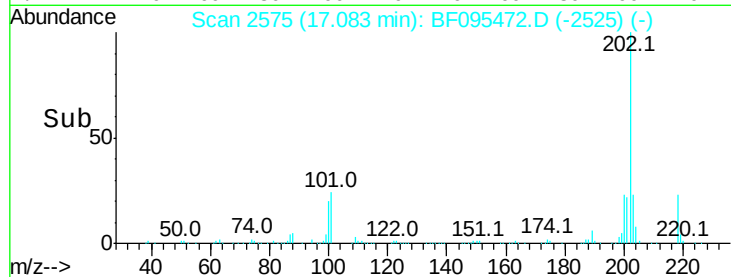
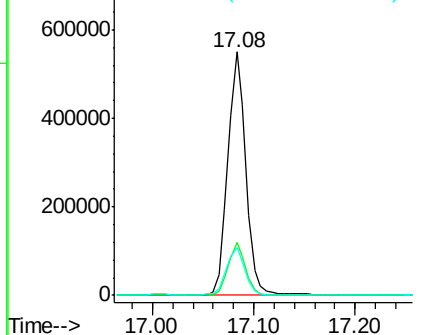
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 48.01 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BF095472.D

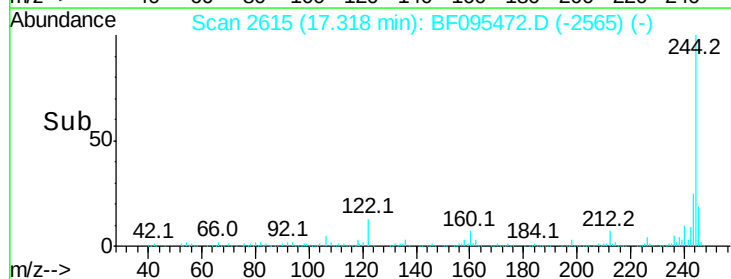
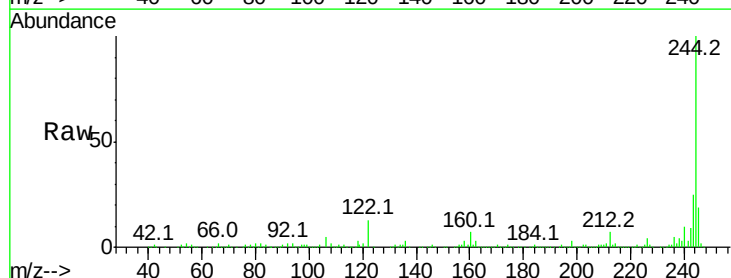
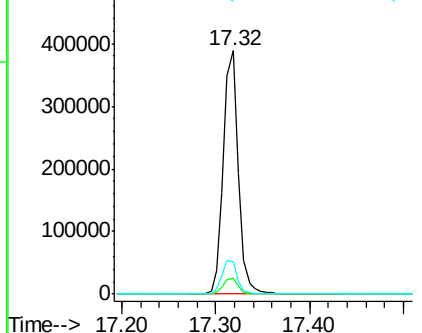
Acq: 26 May 2017 21:15

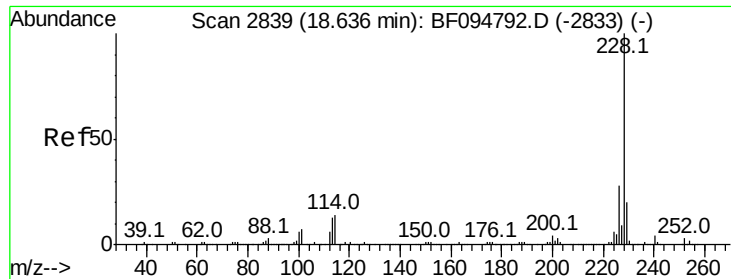
Tgt Ion:	244	Resp:	435700
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.1	10.3	15.5

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





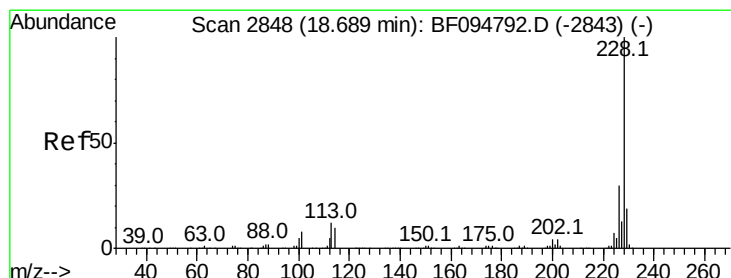
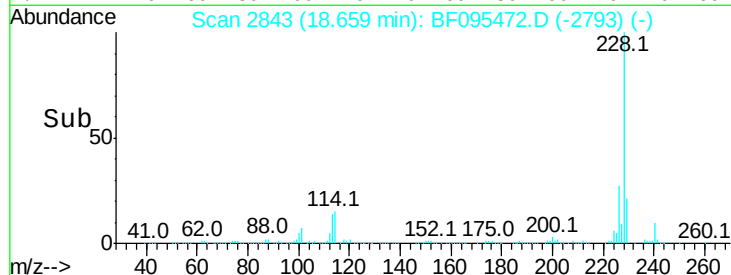
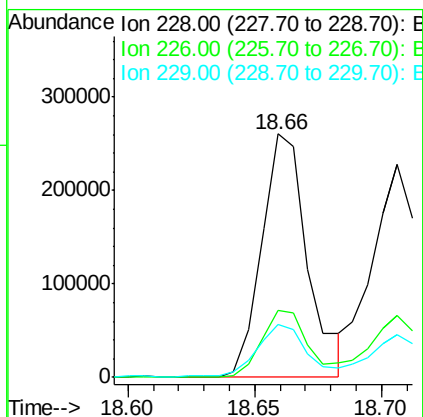
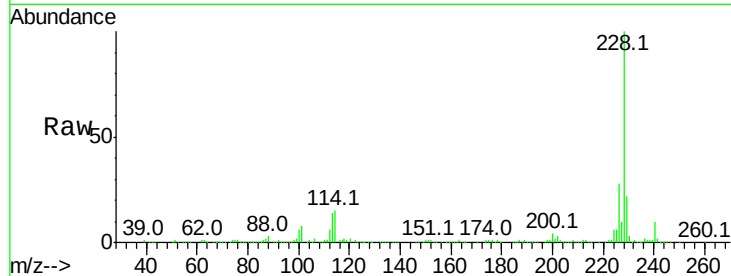
#80
Benzo(a)anthracene
Concen: 28.26 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.7	16.3	24.5

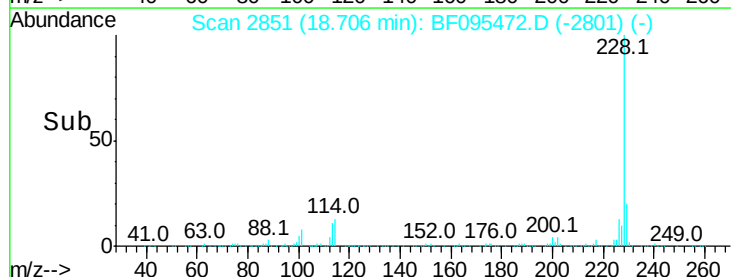
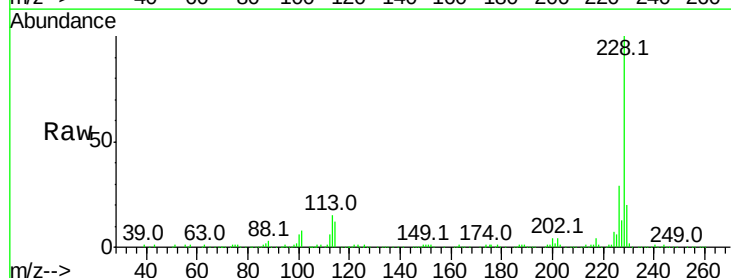
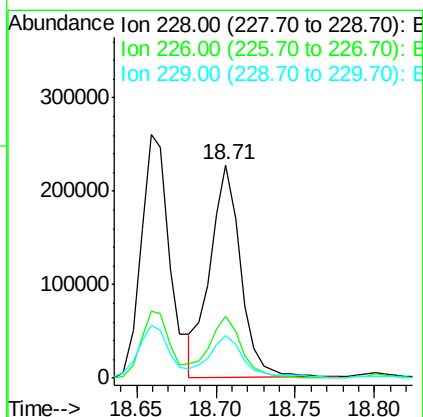
Manual Integrations
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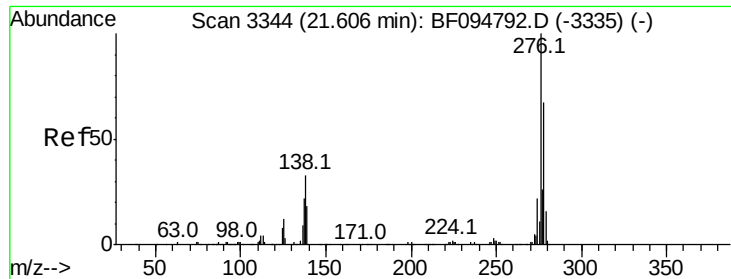
mohammad
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#82
Chrysene
Concen: 27.04 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.2	15.8	23.6





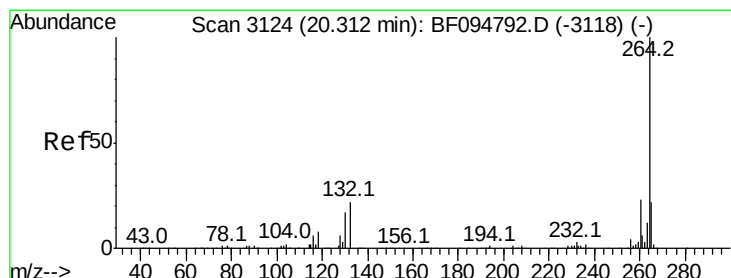
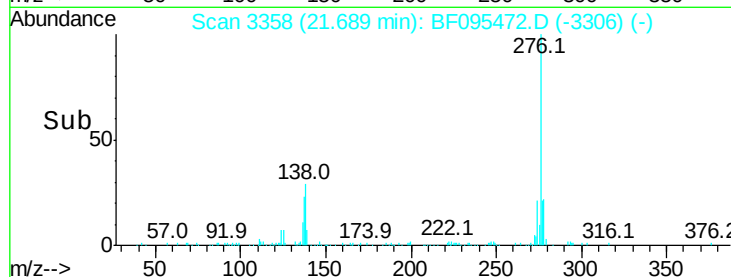
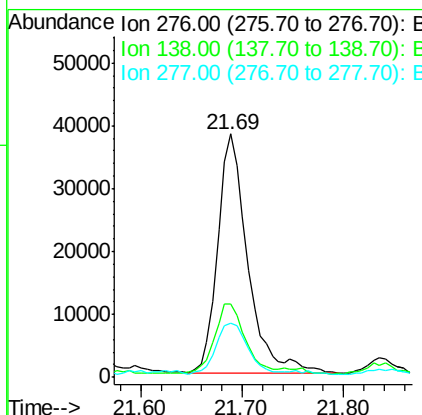
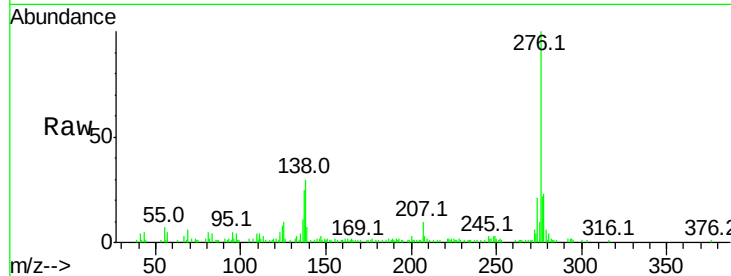
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.58 ng
RT: 21.69 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	27.8	41.6
277	22.2	20.2	30.4

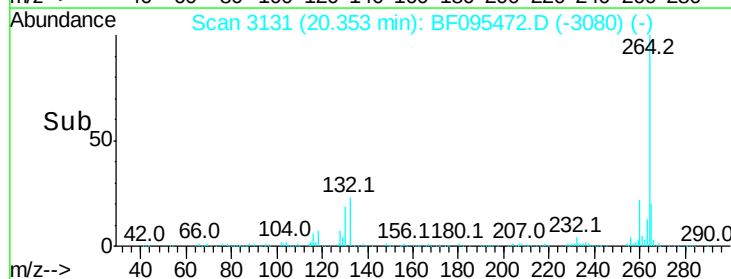
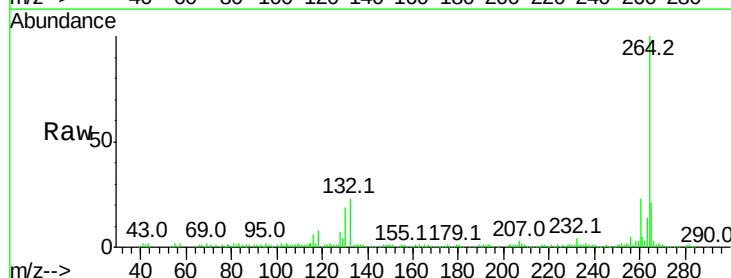
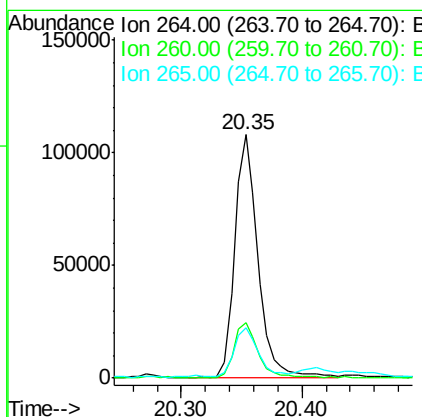
Manual Integrations
APPROVED

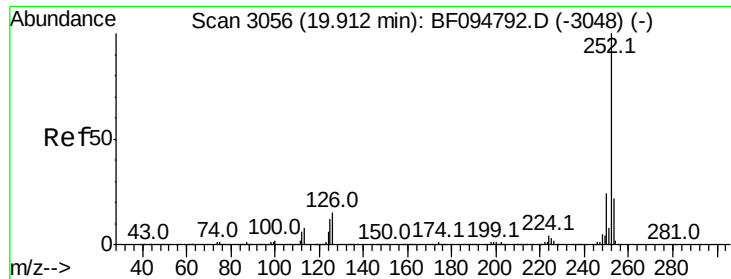
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095472.D
Acq: 26 May 2017 21:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	20.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 27.87 ng m

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Instrument :

BNA_F

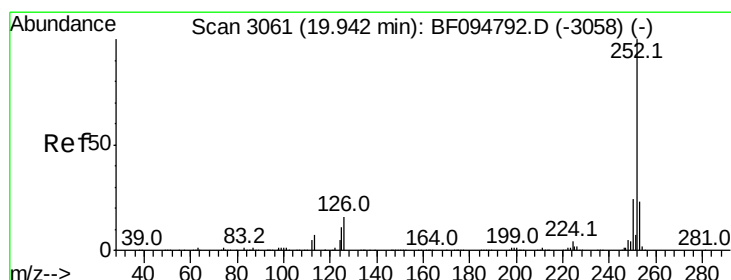
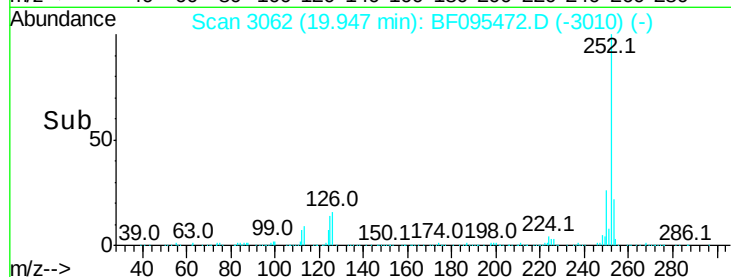
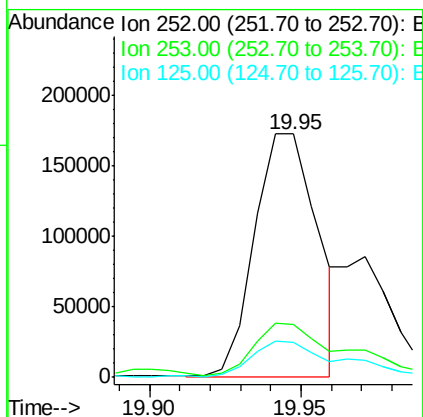
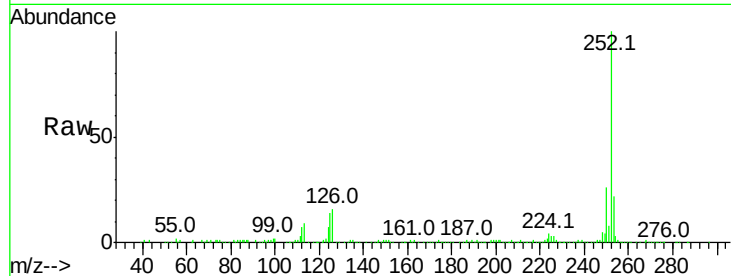
ClientSampleId :

NM3-COMP-6-18

Tot Ion:	252	Resp:	247857
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	14.2	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 11.51 ng m

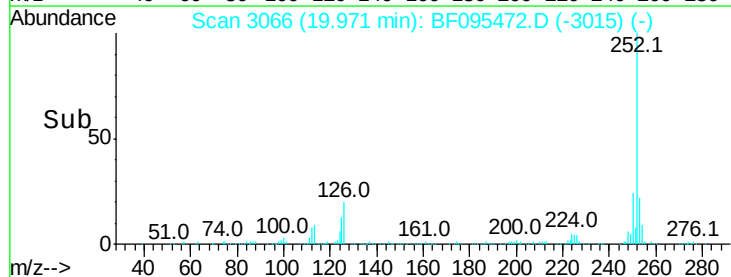
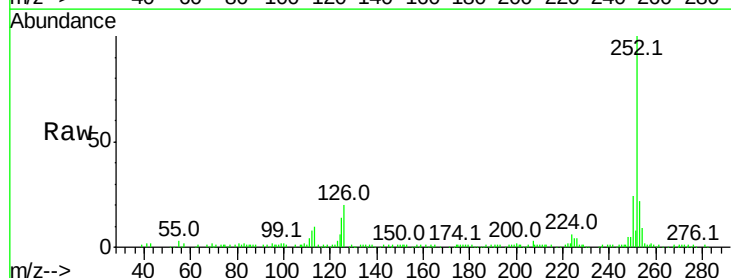
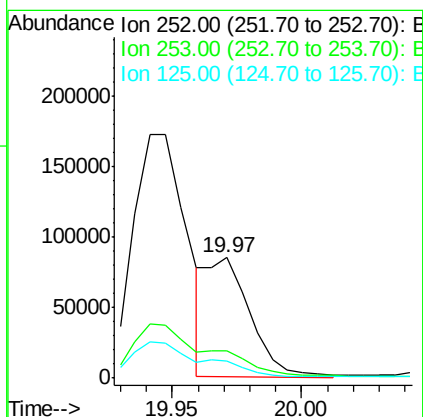
RT: 19.97 min Scan# 3066

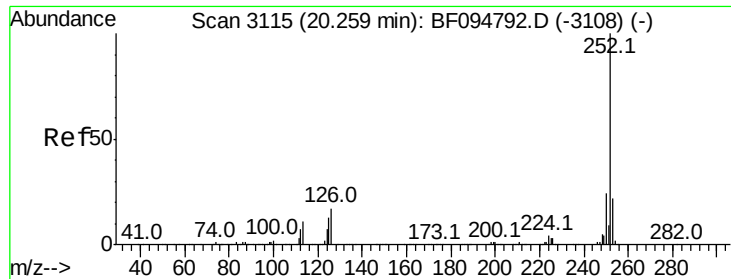
Delta R.T. 0.00 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Tgt Ion:	252	Resp:	98718
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.4	27.6
125	13.9	13.1	19.7





#89

Benzo(a)pyrene

Concen: 18.67 ng

RT: 20.29 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Instrument :

BNA_F

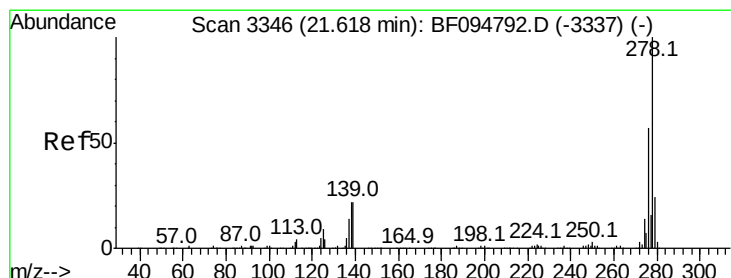
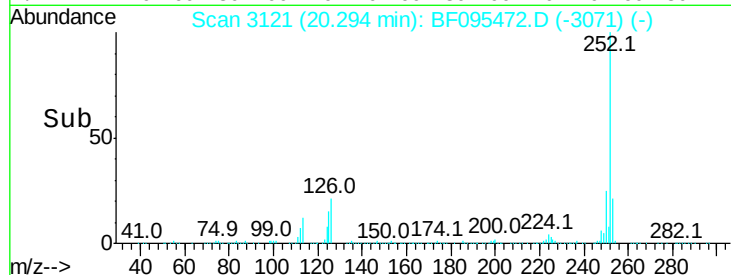
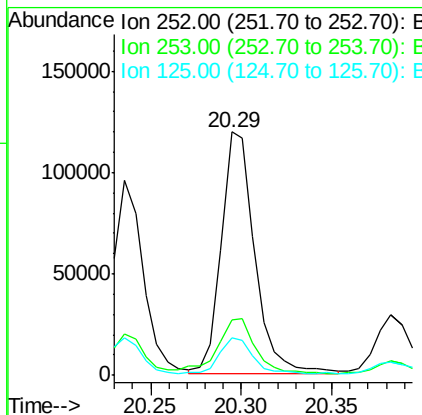
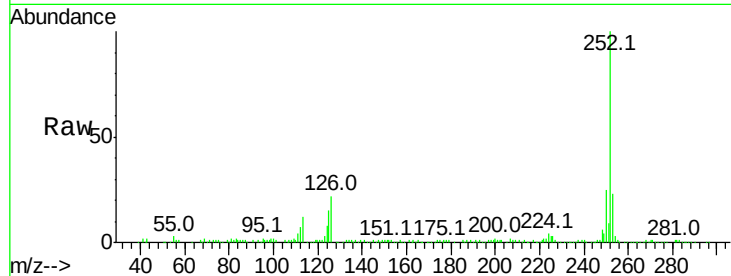
ClientSampleId :

NM3-COMP-6-18

Tot Ion:	252	Resp:	153241
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	15.4	11.0	16.4

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 3.16 ng

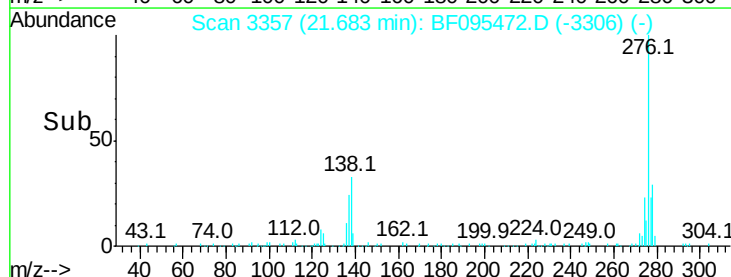
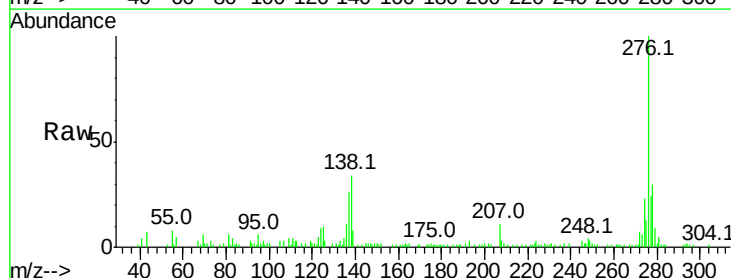
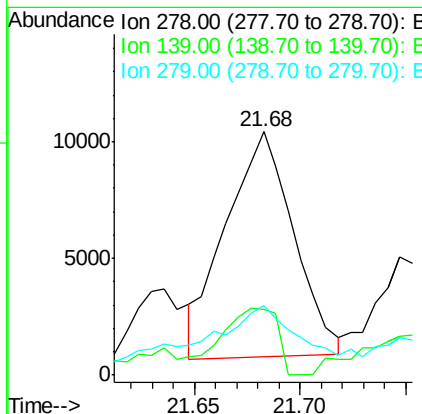
RT: 21.68 min Scan# 3357

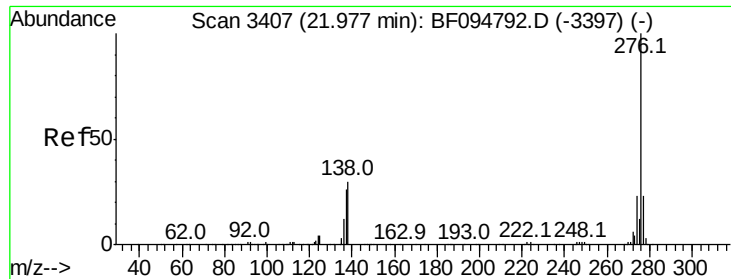
Delta R.T. 0.00 min

Lab File: BF095472.D

Acq: 26 May 2017 21:15

Tgt Ion:	278	Resp:	21397
Ion Ratio	Lower	Upper	
278	100		
139	27.0	16.6	24.8#
279	28.7	19.3	28.9





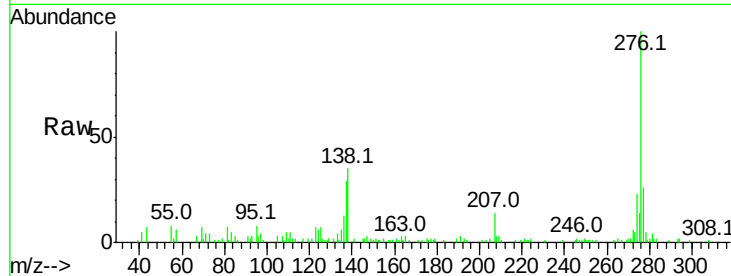
#91
 Benzo(a,h,i)perylene
 Concen: 9.79 ng
 RT: 22.08 min Scan# 3424
 Delta R.T. 0.01 min
 Lab File: BF095472.D
 Acq: 26 May 2017 21:15

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	34.9	25.4	38.0

Manual Integrations
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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

