

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117070.D
 Acq On : 16 Sep 2019 18:25
 Operator : HP/JU
 Sample : K4862-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-4

Manual Integrations
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mohammad
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Quant Time: Sep 17 06:57:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	54074	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	230590	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	110747	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	154779	20.00	ng	0.00
76) Chrysene-d12	13.97	240	110611	20.00	ng	0.00
87) Perylene-d12	15.43	264	77708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	36239	10.46	ng	0.00
7) Phenol-d6	6.46	99	58320	13.03	ng	0.00
23) Nitrobenzene-d5	7.39	82	35191	8.02	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	10022	10.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	75337	10.64	ng	0.00
79) Terphenyl-d14	12.91	244	61743	10.43	ng	0.00
Target Compounds						
71) Phenanthrene	11.36	178	20147	2.292	ng	97
75) Fluoranthene	12.54	202	38944	4.311	ng	94
78) Pyrene	12.77	202	37308	4.020	ng	98
81) Benzo(a)anthracene	13.96	228	18204	2.463	ng	# 83
83) Chrysene	13.99	228	18179	2.522	ng	# 86
84) Bis(2-ethylhexyl)phthalate	13.94	149	12675	2.242	ng	# 96
88) Benzo(b)fluoranthene	15.01	252	14140m	3.004	ng	
90) Benzo(a)pyrene	15.37	252	11272	2.729	ng	# 32
92) Benzo(g,h,i)perylene	17.30	276	6722	2.050	ng	# 68

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

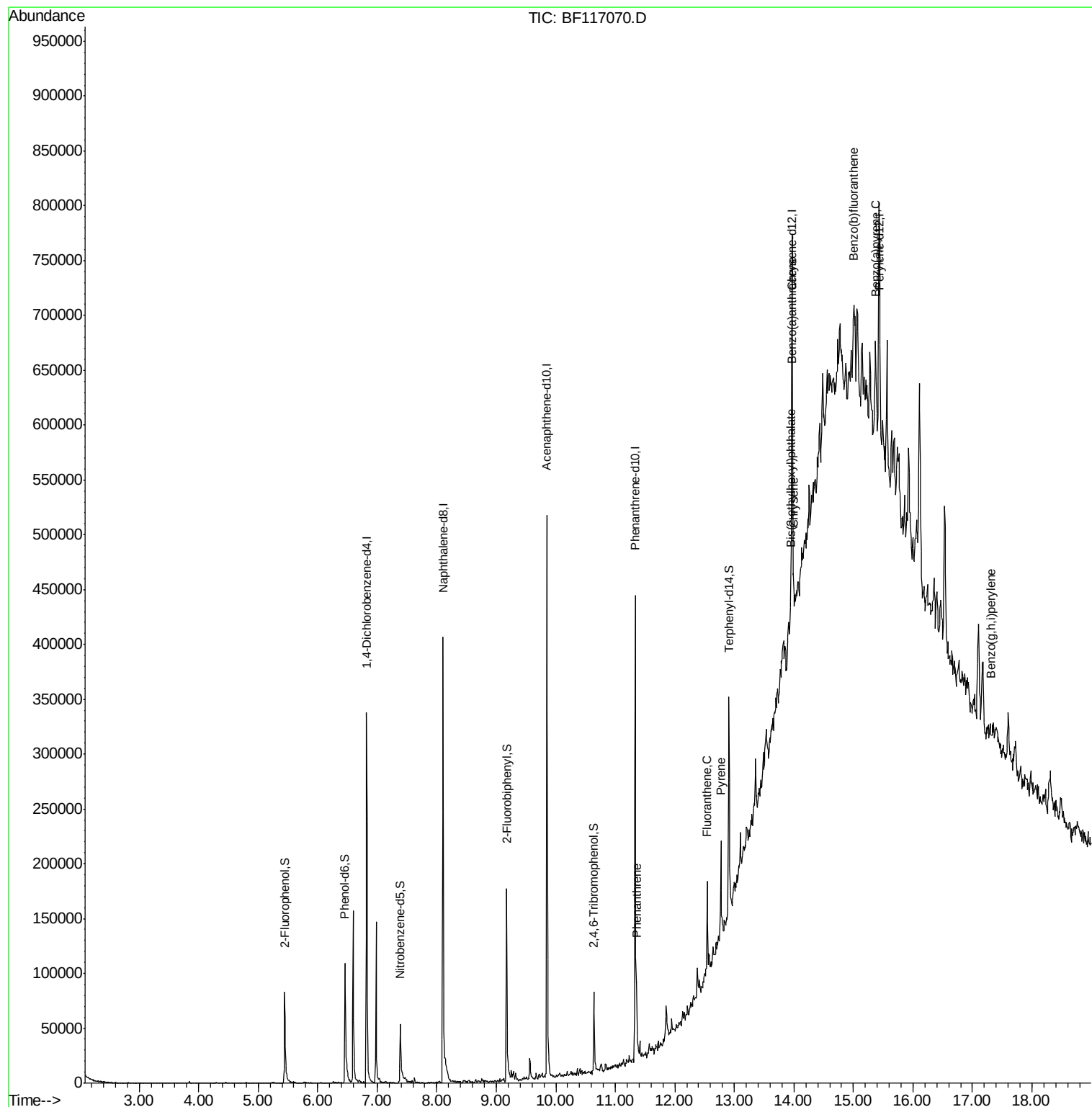
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117070.D
Acq On : 16 Sep 2019 18:25
Operator : HP/JU
Sample : K4862-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

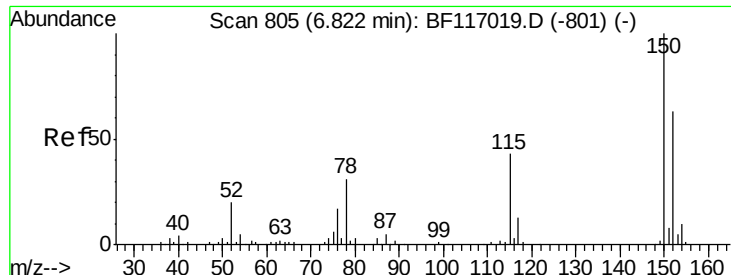
Instrument :
BNA_F
ClientSampleId :
CSA-4-4

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Quant Time: Sep 17 06:57:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration





#1

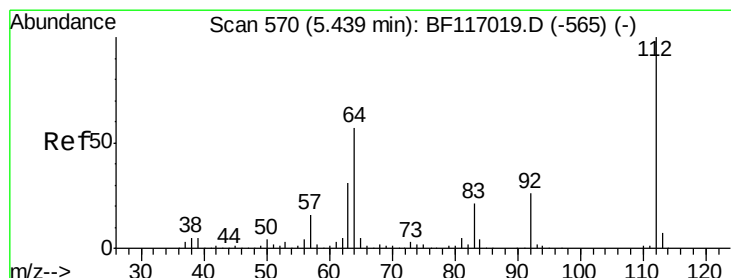
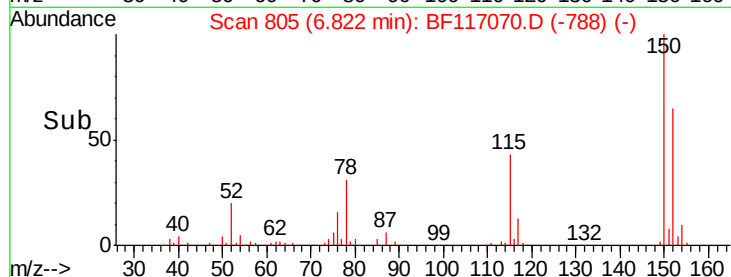
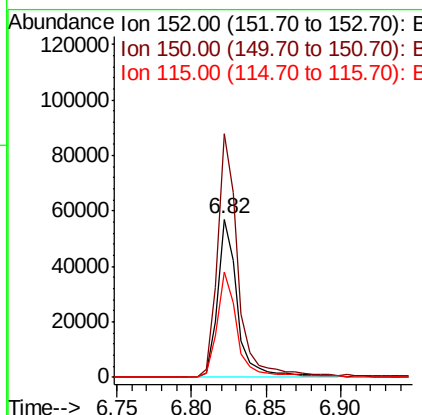
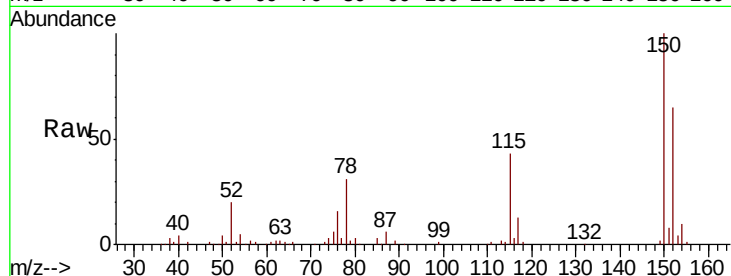
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Instrument :
BNA_F
ClientSampleId :
CSA-4-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	127.5	191.3
115	66.3	55.0	82.4

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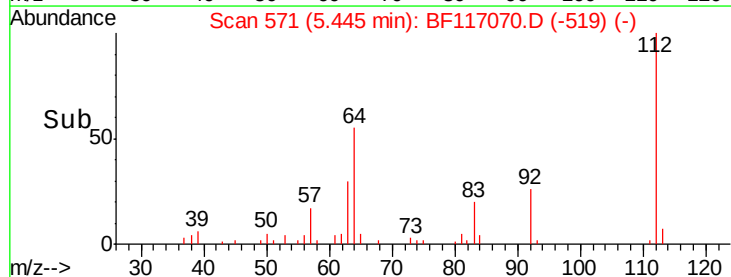
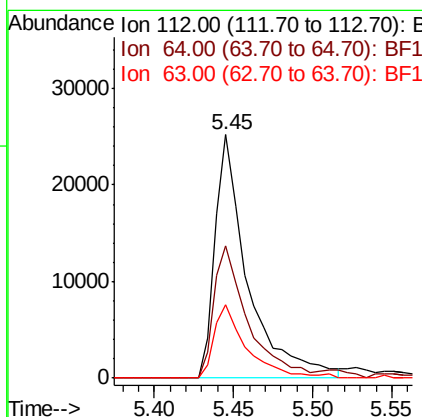
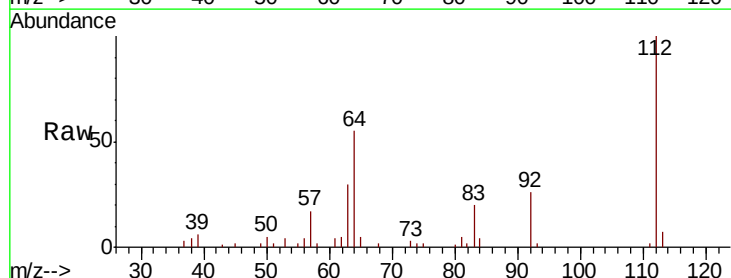
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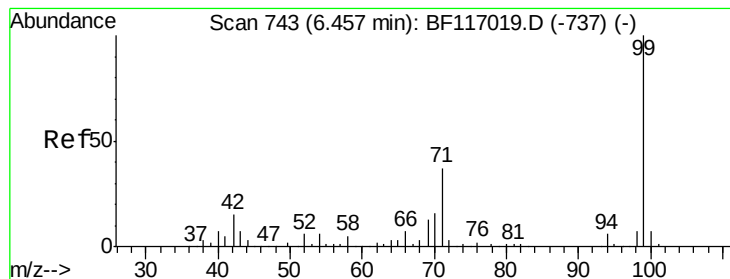


#5

2-Fluorophenol
Concen: 10.463 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.7	68.5
63	30.3	24.9	37.3





#7

Phenol-d6

Concen: 13.029 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

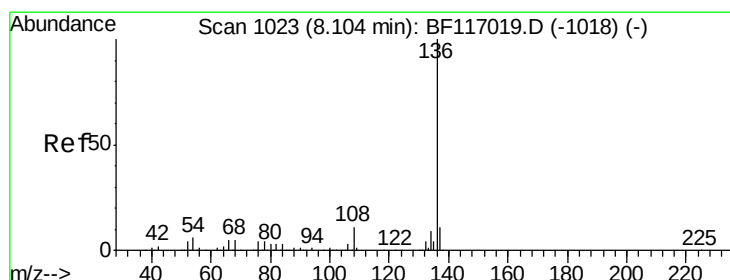
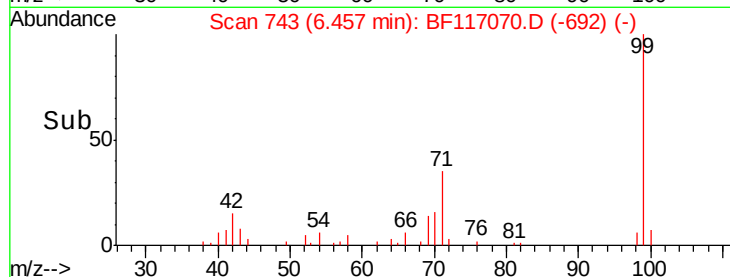
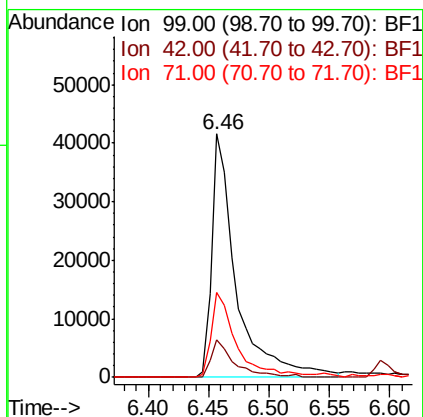
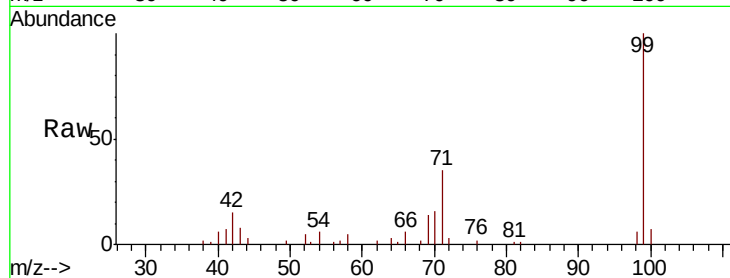
ClientSampled :

CSA-4-4

Tot Ion:	99	Resp:	58320
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	34.8	29.8	44.8

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#21

Naphthalene-d8

Concen: 20.000 ng

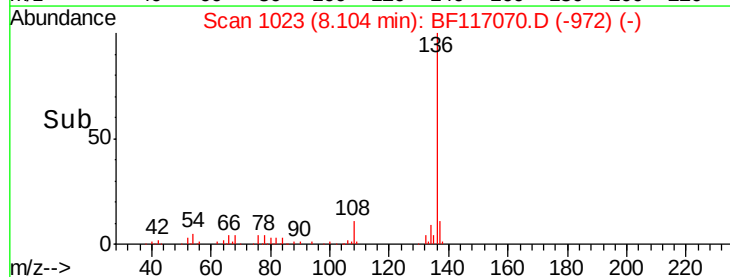
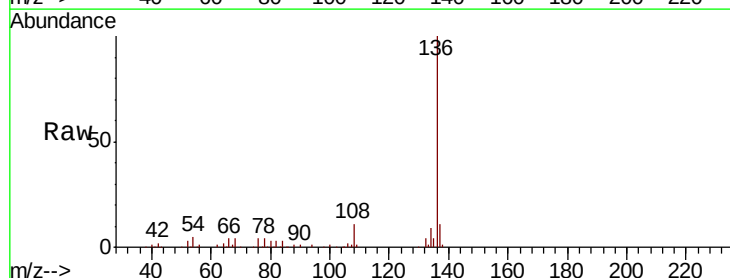
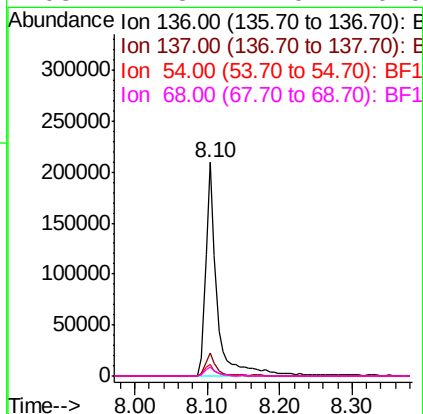
RT: 8.10 min Scan# 1023

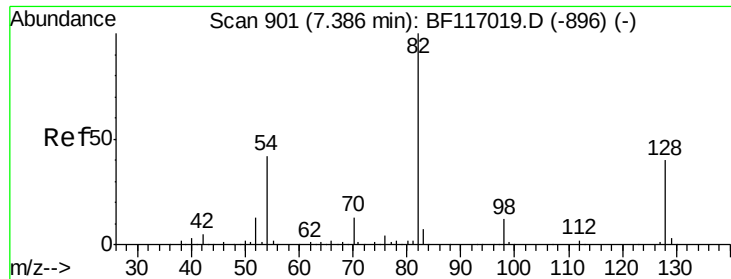
Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Tgt Ion:	136	Resp:	230590
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	5.4	4.5	6.7
68	4.3	4.0	6.0





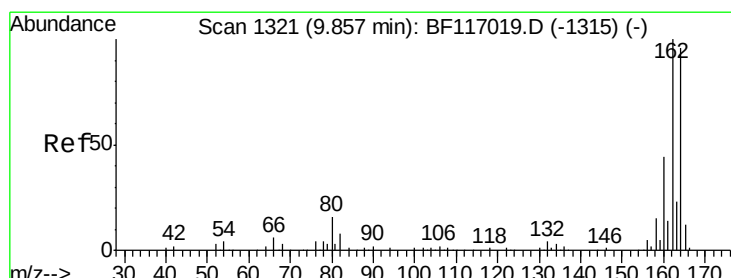
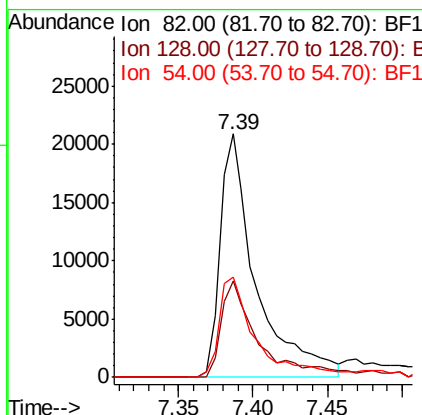
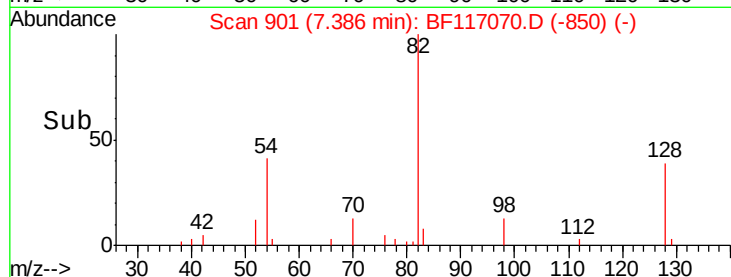
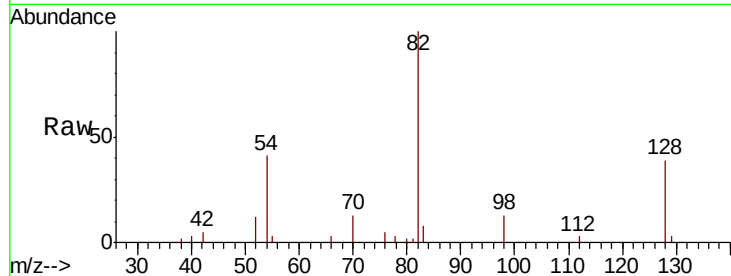
#23
 Nitrobenzene-d5
 Concen: 8.019 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampled :
 CSA-4-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	35191		
128	39.4		32.3	48.5
54	41.1		33.3	49.9

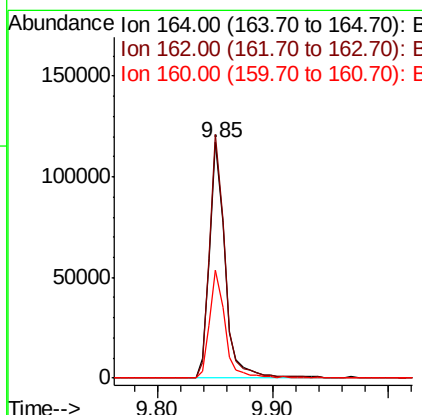
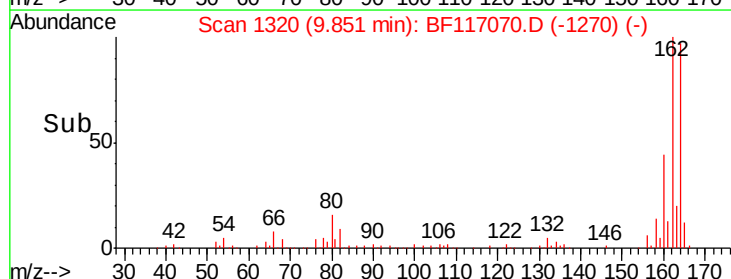
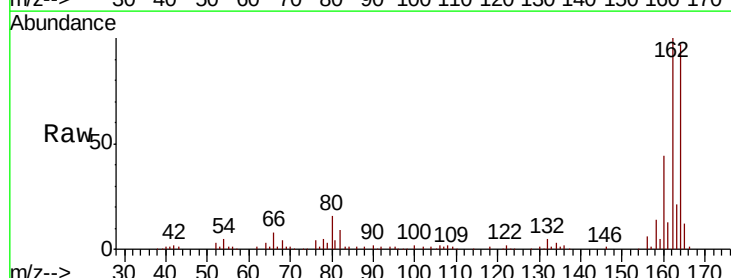
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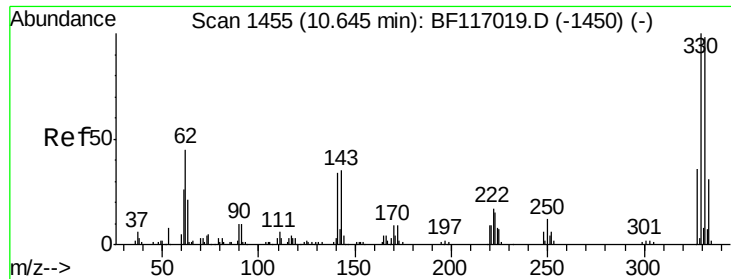
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110747		
162	103.4		83.4	125.2
160	45.7		36.4	54.6





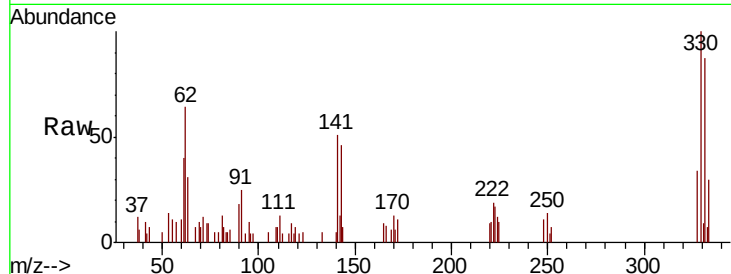
#42
 2,4,6-Tribromophenol
 Concen: 10.828 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampled :
 CSA-4-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	90.2	78.0	117.0
141	50.5	35.8	53.6

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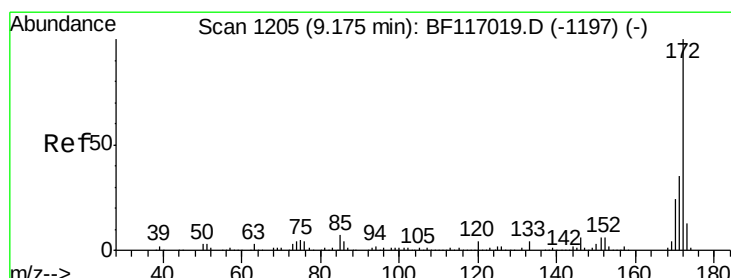
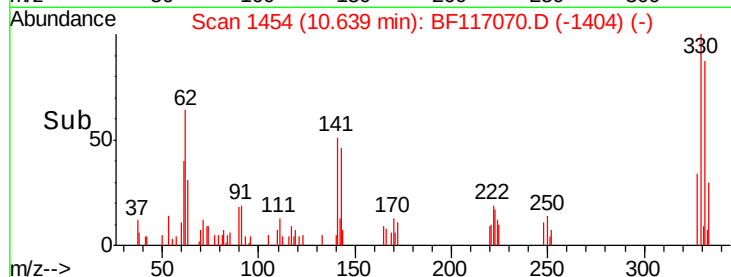
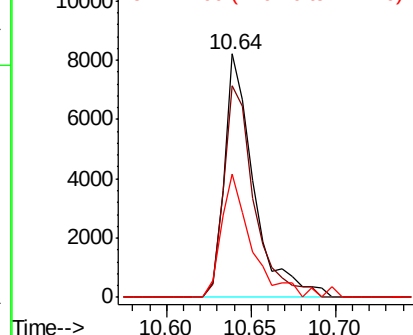


Abundance

Ion 329.80 (329.50 to 330.50): E

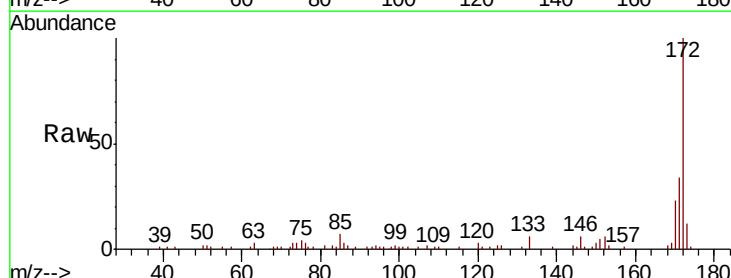
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 10.636 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	22.5	18.9	28.3

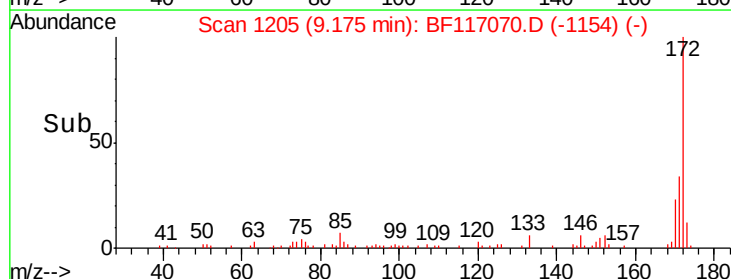
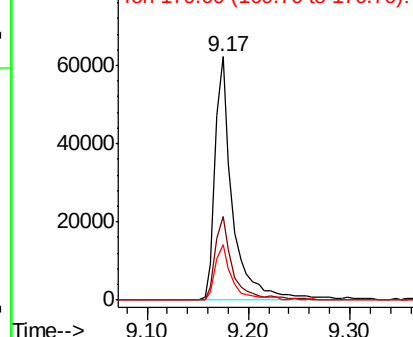


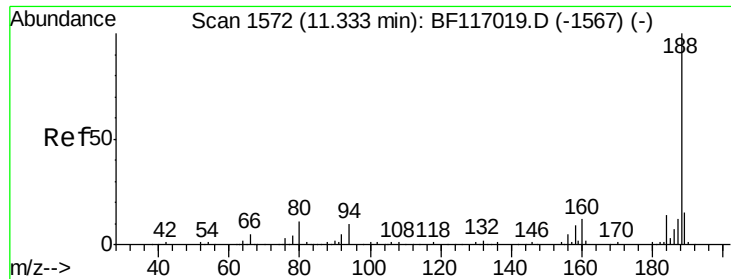
Abundance

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





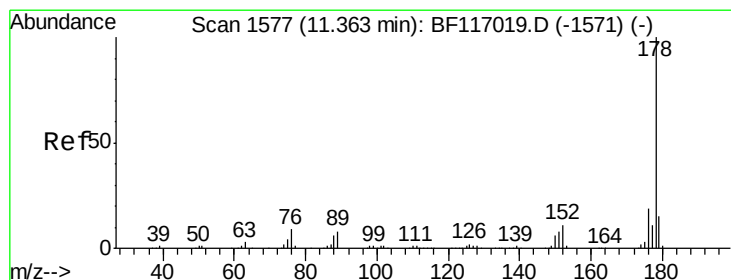
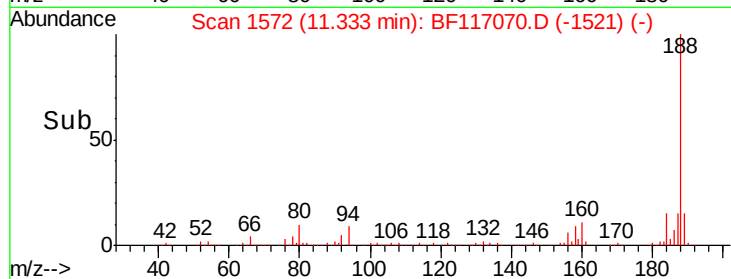
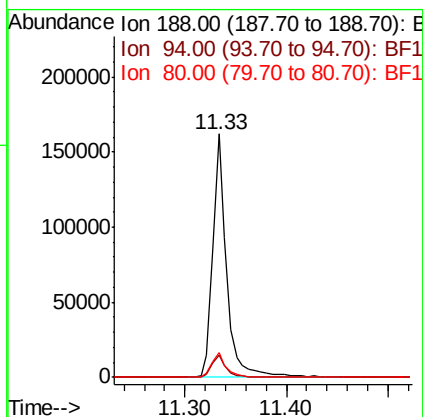
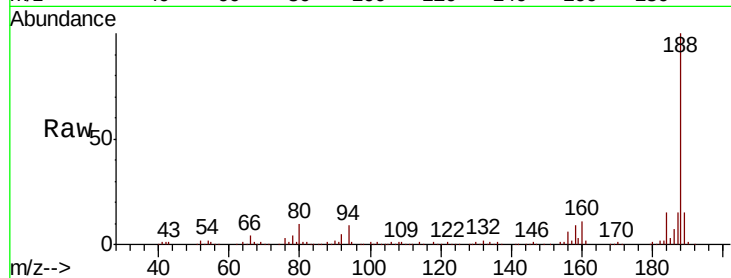
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Instrument :
BNA_F
ClientSampleId :
CSA-4-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	154779		
94	8.9		8.2	12.2
80	10.2		9.0	13.6

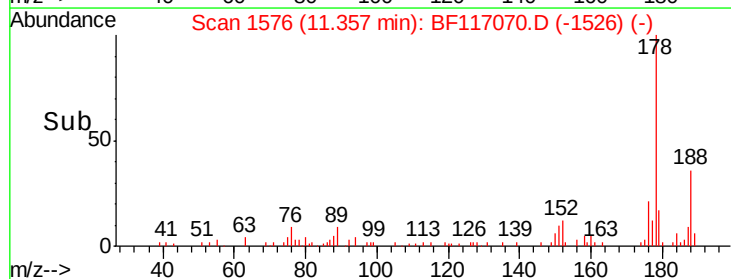
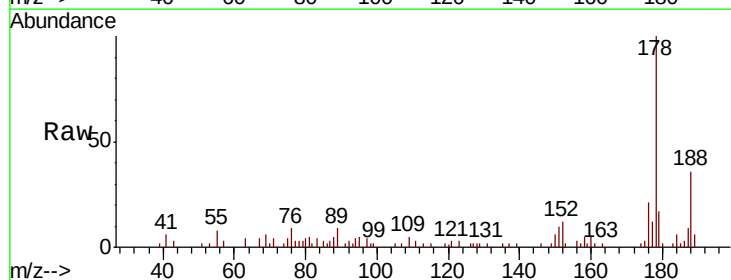
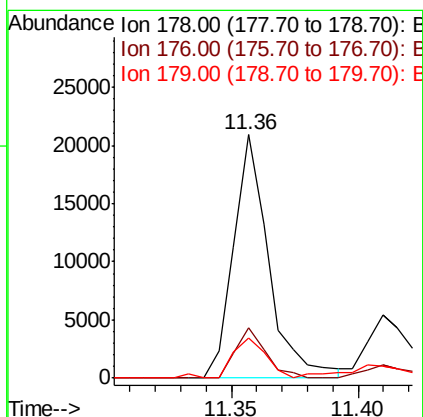
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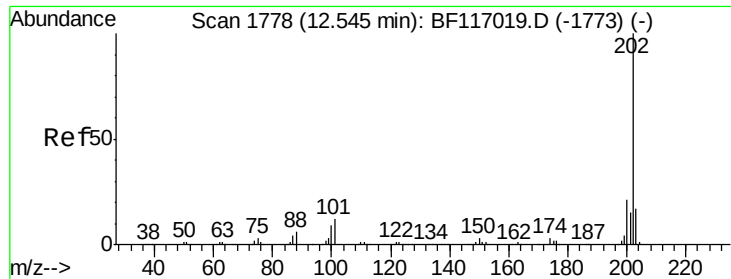
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#71
Phenanthrene
Concen: 2.292 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	20147		
176	20.7		15.4	23.2
179	16.7		12.4	18.6





#75

Fluoranthene

Concen: 4.311 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

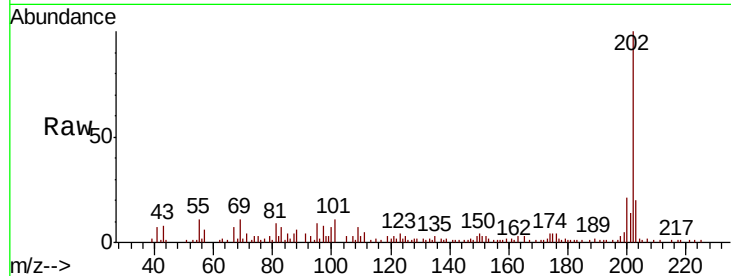
ClientSampled :

CSA-4-4

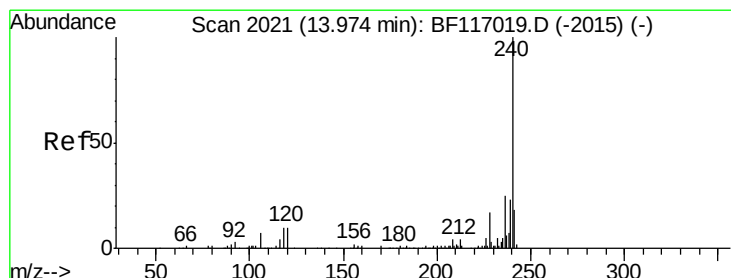
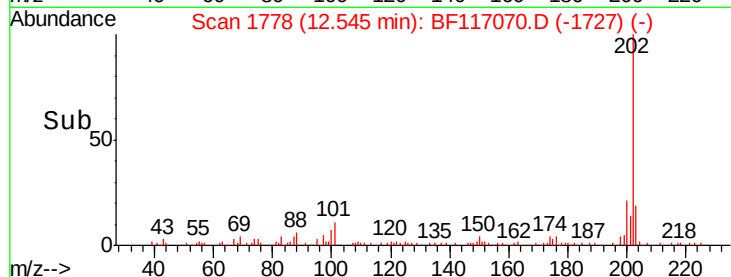
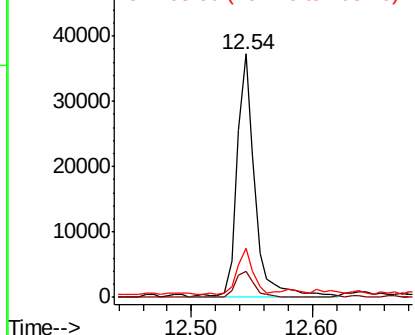
Tot Ion:	202	Resp:	38944
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	32.3
203	20.2	0.0	37.1

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

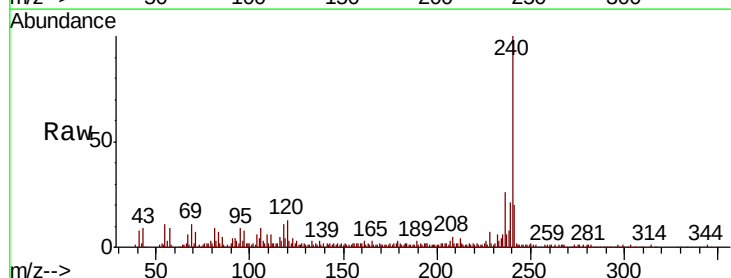
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

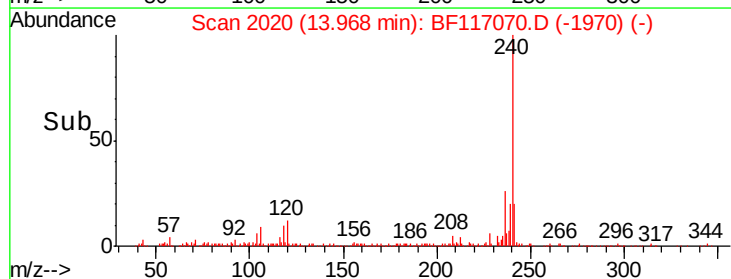
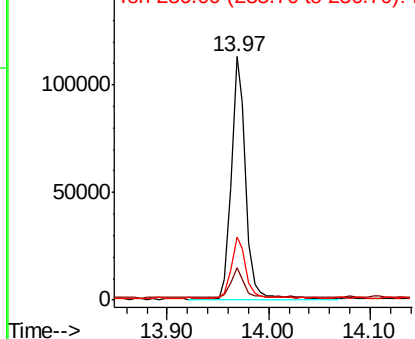
Lab File: BF117070.D

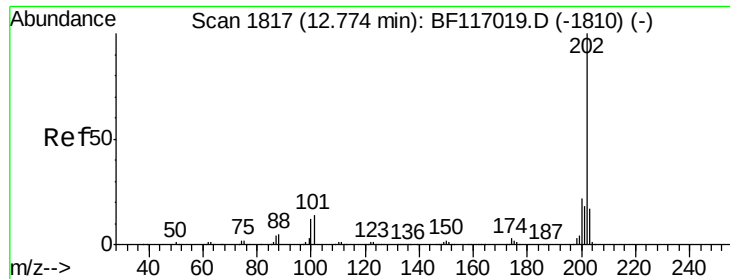
Acq: 16 Sep 2019 18:25

Tgt Ion:	240	Resp:	110611
Ion Ratio	Lower	Upper	
240	100		
120	13.4	8.3	12.5#
236	26.1	20.3	30.5



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





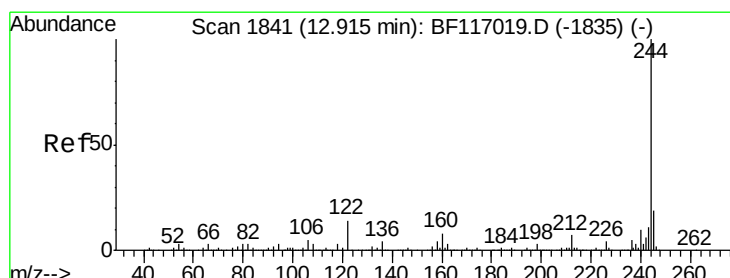
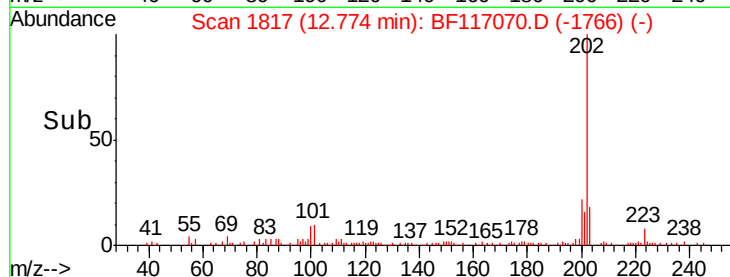
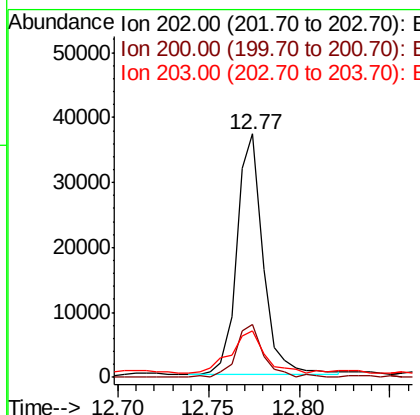
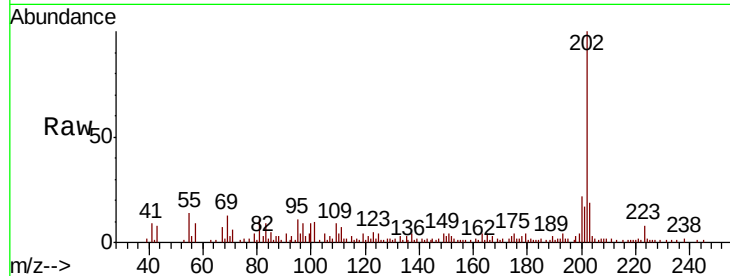
#78
Pvrene
Concen: 4.020 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Instrument :
BNA_F
ClientSampled :
CSA-4-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.2	25.8
203	19.3	14.0	21.0

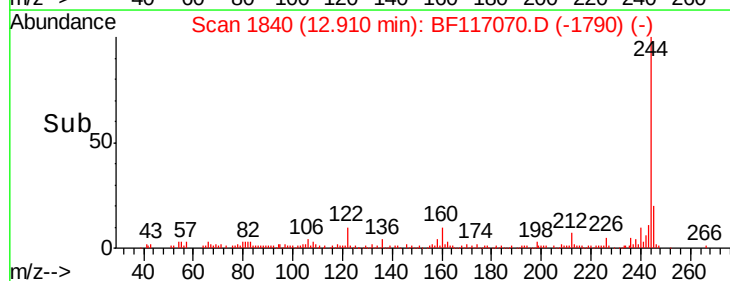
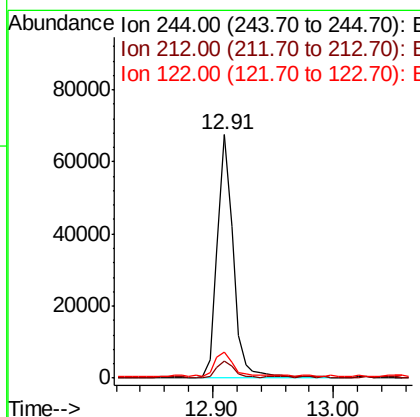
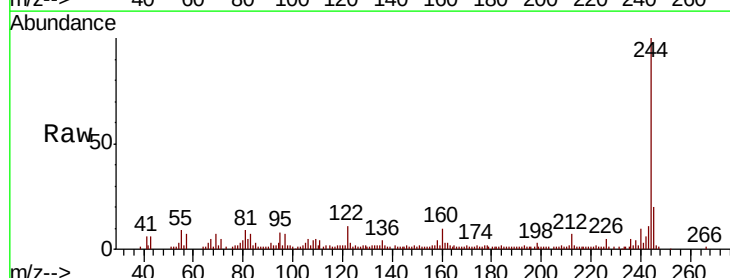
Manual Integrations
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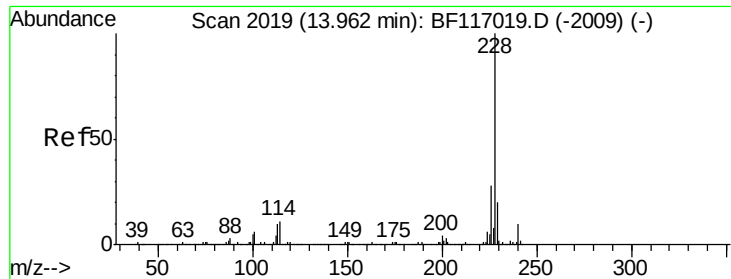
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#79
Terphenyl-d14
Concen: 10.434 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.9	11.3	16.9#





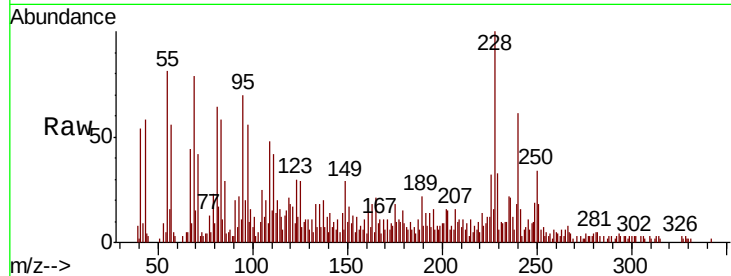
#81
Benzo(a)anthracene
Concen: 2.463 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Instrument :
BNA_F
ClientSampleId :
CSA-4-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.3	33.5
229	32.8	15.9	23.9

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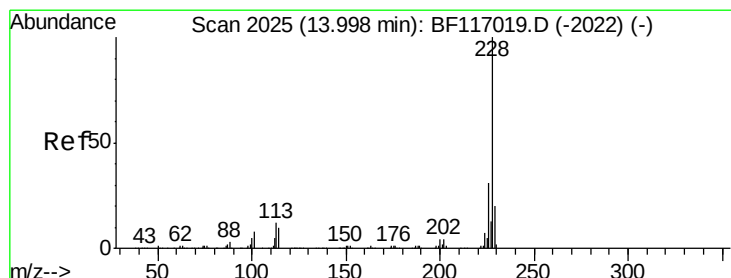
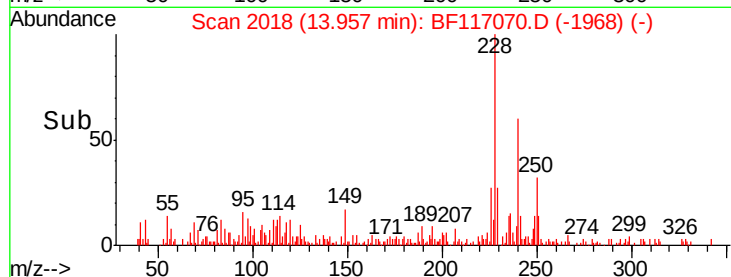
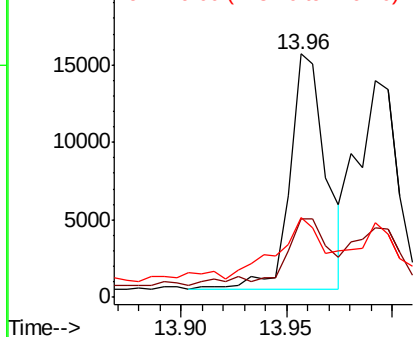


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 2.522 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

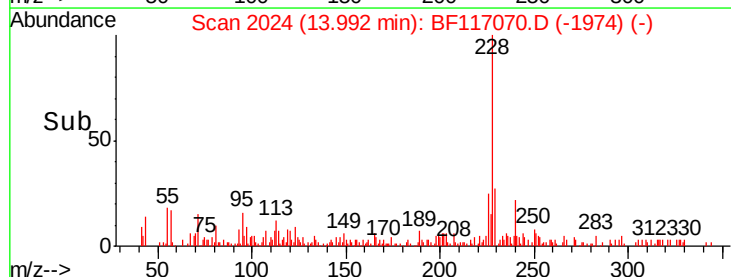
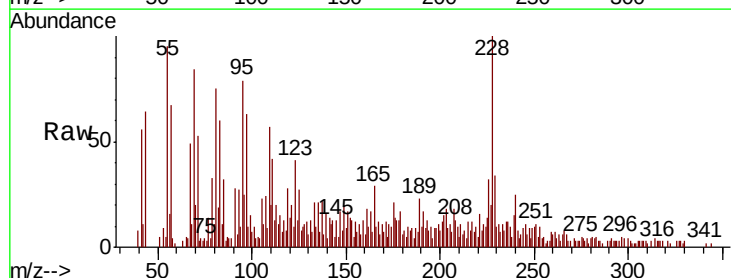
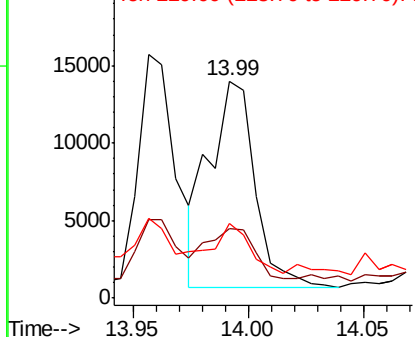
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.8	37.2
229	34.3	15.8	23.8

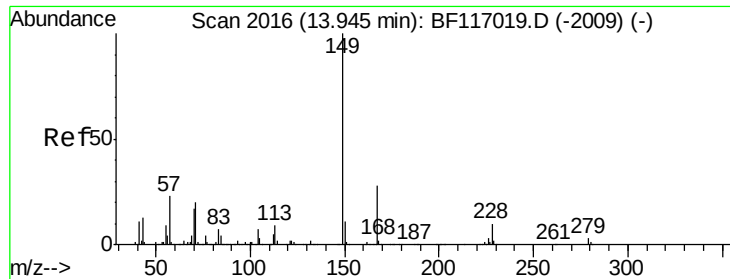
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.242 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

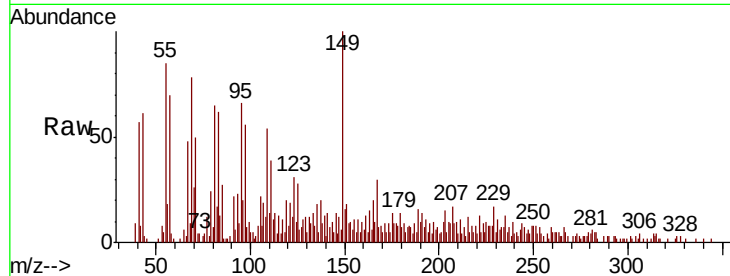
ClientSampleId :

CSA-4-4

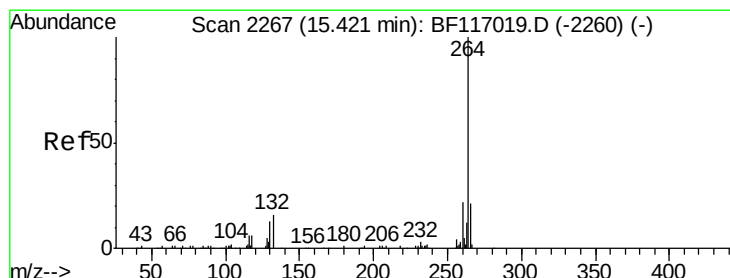
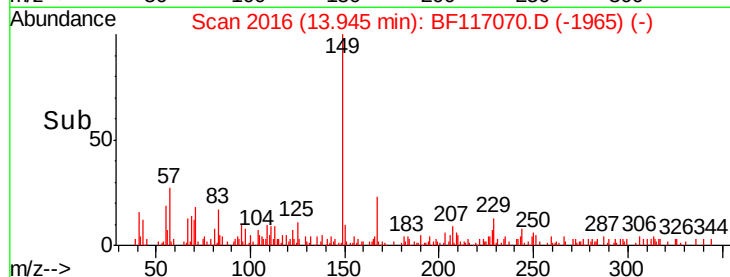
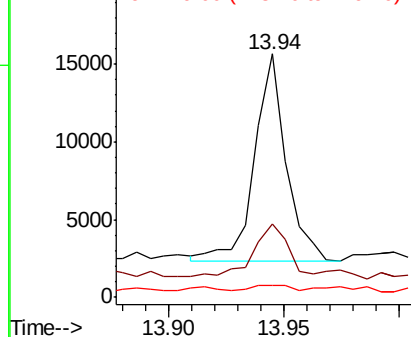
Tot Ion:	149	Resp:	12675
Ion Ratio	Lower	Upper	
149	100		
167	29.9	22.2	33.2
279	4.9	2.8	4.2#

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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



#87

Perylene-d12

Concen: 20.000 ng

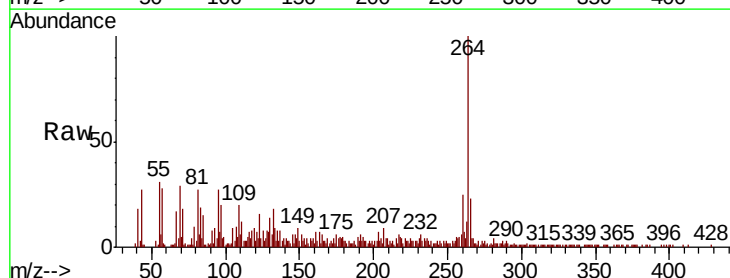
RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

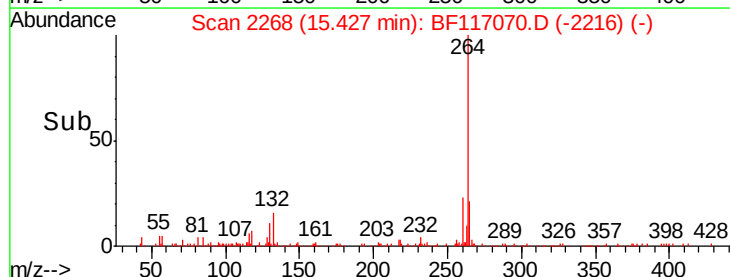
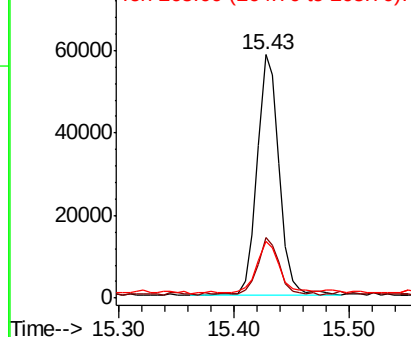
Lab File: BF117070.D

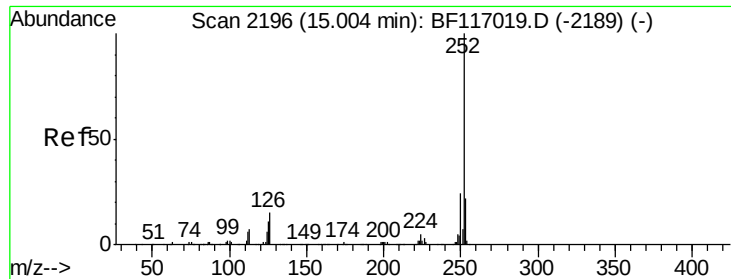
Acq: 16 Sep 2019 18:25

Tgt Ion:	264	Resp:	77708
Ion Ratio	Lower	Upper	
264	100		
260	24.8	17.6	26.4
265	23.4	16.6	24.8



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





#88

Benzo(b)fluoranthene

Concen: 3.004 ng/mL

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

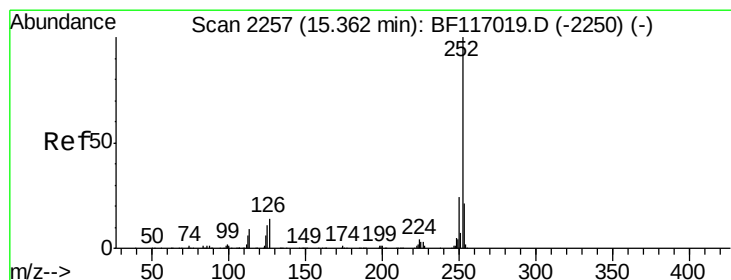
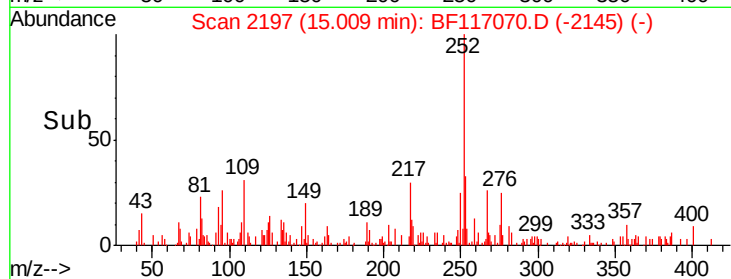
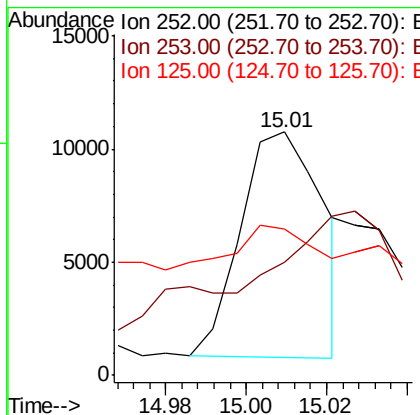
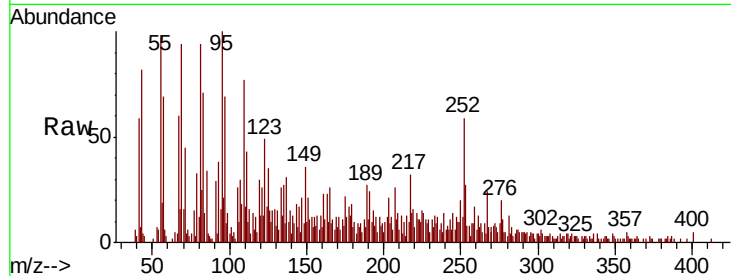
ClientSampled :

CSA-4-4

Tot Ion:	252	Resp:	14140
Ion Ratio	Lower	Upper	
252	100		
253	46.6	17.6	26.4#
125	60.2	8.6	12.8#

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#90

Benzo(a)pyrene

Concen: 2.729 ng/mL

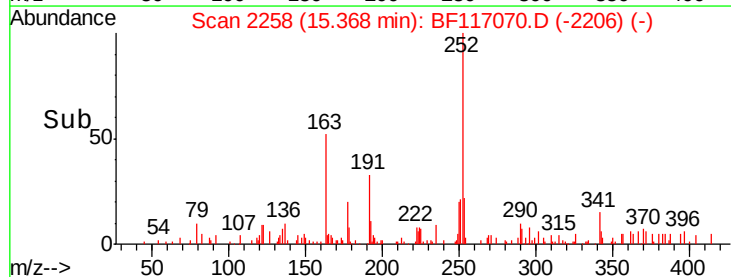
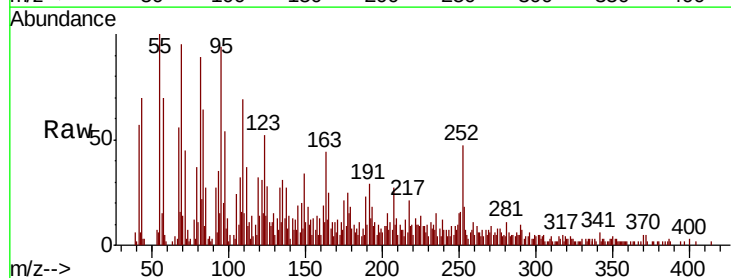
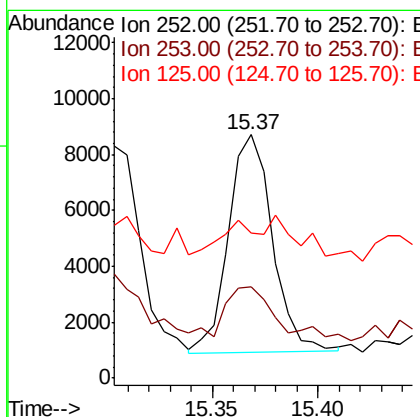
RT: 15.37 min Scan# 2258

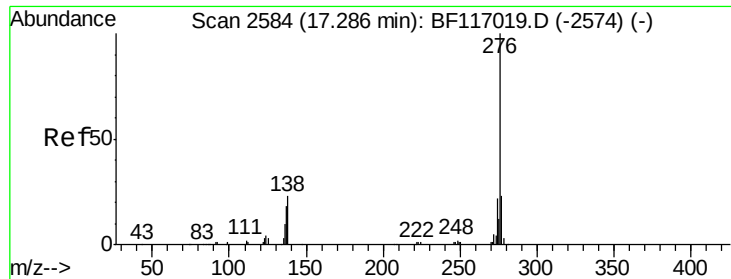
Delta R.T. 0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Tgt Ion:	252	Resp:	11272
Ion Ratio	Lower	Upper	
252	100		
253	37.4	16.6	25.0#
125	59.6	8.9	13.3#





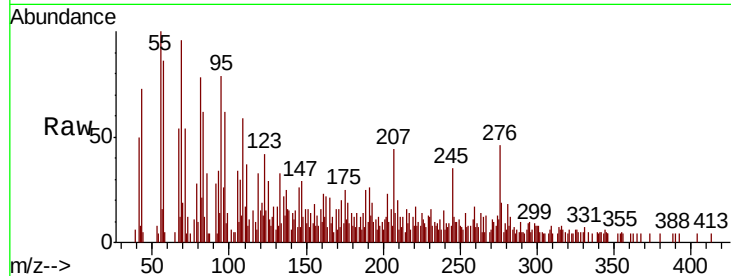
#92
 Benzo(a,h,i)perylene
 Concen: 2.050 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.02 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-4

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	42.0	18.6	27.8#	
138	34.3	18.0	27.0#	

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

