

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099717.D
 Acq On : 21 Oct 2017 00:40
 Operator : SJ/JU
 Sample : I5984-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20-02

Manual Integrations
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 10/23/2017 3:26:58 PM

Quant Time: Oct 21 22:07:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	99932	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	392136	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	152293	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	214230	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	195086	20.00	ng	0.00
86) Perylene-d12	15.44	264	186915	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	465892	74.22	ng	0.00
7) Phenol-d6	6.45	99	580712	74.99	ng	-0.01
23) Nitrobenzene-d5	7.38	82	354716	58.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	81093	65.07	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	675724	74.07	ng	0.00
78) Terphenyl-d14	12.92	244	442039	51.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	23419	2.037	ng	Qvalue # 98
70) Phenanthrene	11.36	178	71192	6.208	ng	99
71) Anthracene	11.41	178	26537	2.262	ng	99
74) Fluoranthene	12.55	202	99321	8.553	ng	98
77) Pyrene	12.78	202	112228	7.544	ng	97
80) Benzo(a)anthracene	13.97	228	56099	4.749	ng	98
82) Chrysene	14.00	228	48541	4.316	ng	96
85) Indeno(1,2,3-cd)pyrene	16.91	276	19849	2.206	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	53761m	4.678	ng	
89) Benzo(a)pyrene	15.38	252	41436	3.928	ng	# 94
91) Benzo(g,h,i)perylene	17.36	276	18442	2.210	ng	# 90

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

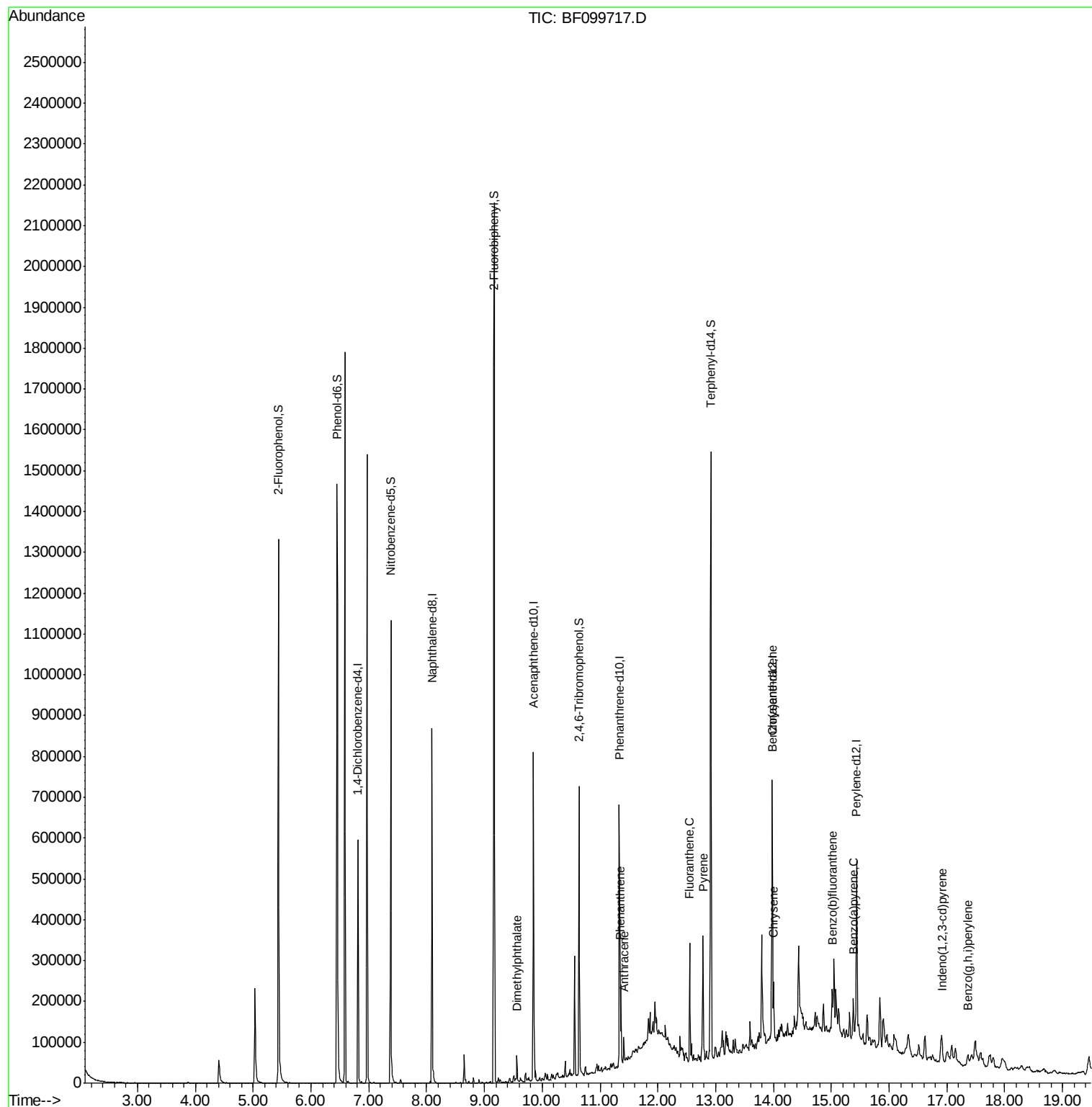
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099717.D
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Operator : SJ/JU
Sample : I5984-01
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ALS Vial : 24 Sample Multiplier: 1

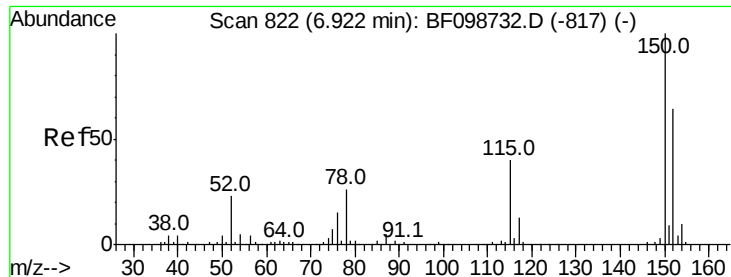
Instrument :
BNA_F
ClientSampleId :
20-02

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Quant Time: Oct 21 22:07:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

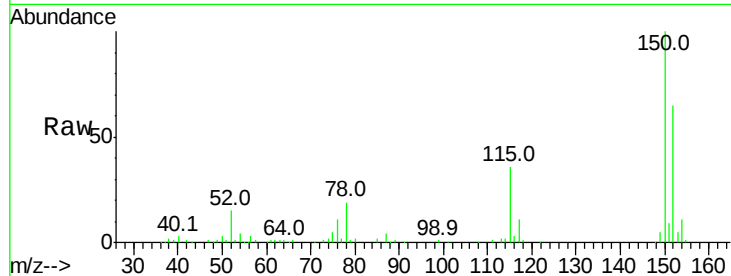
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampled :
20-02

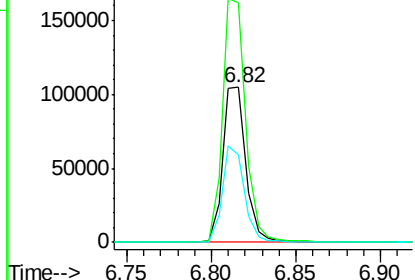
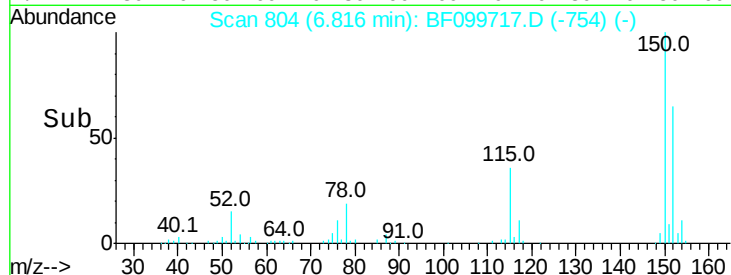
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	56.2	50.1	75.1

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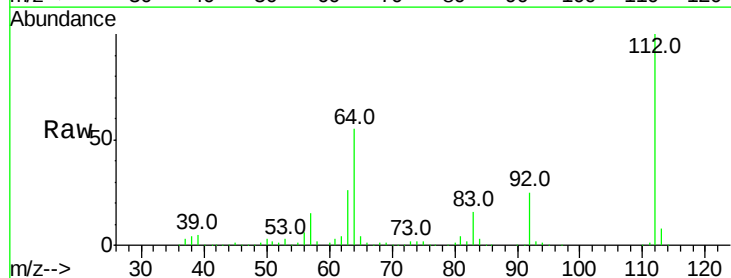
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



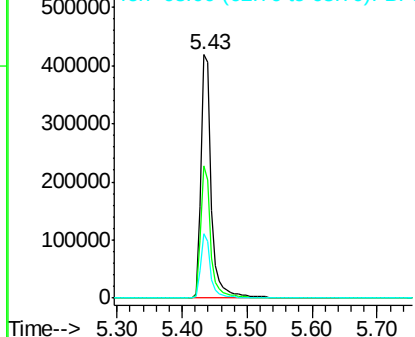
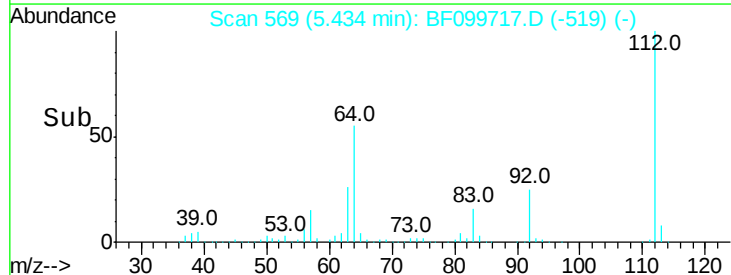
#5

2-Fluorophenol
Concen: 74.216 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	26.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.988 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

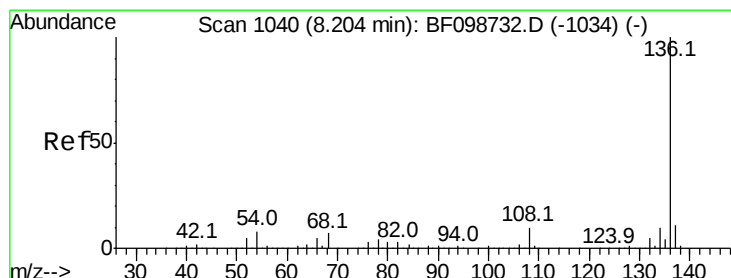
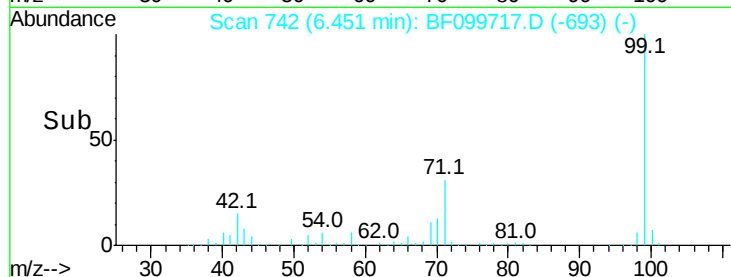
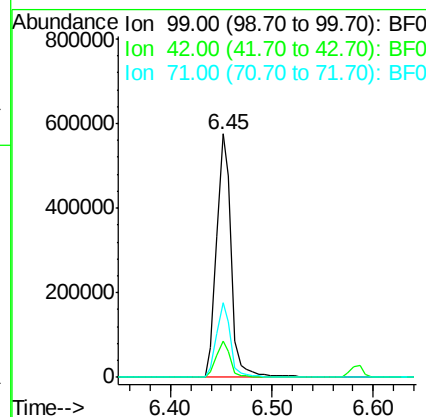
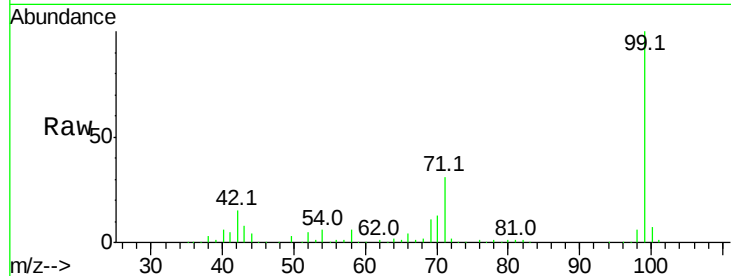
ClientSampled :

20-02

Tot Ion:	99	Resp:	580712
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.5	21.7
71	30.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

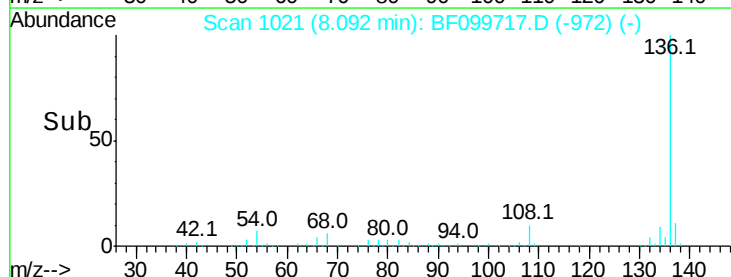
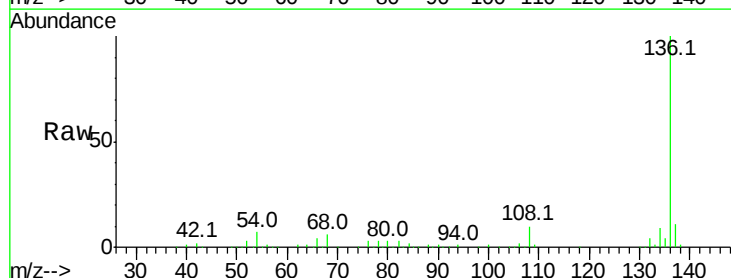
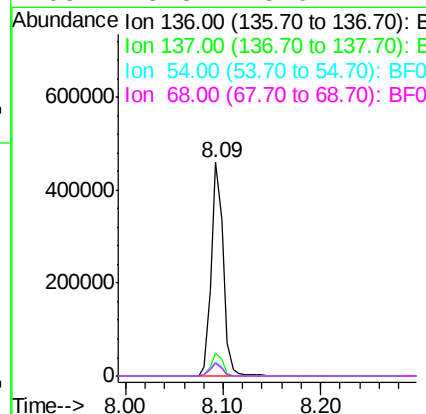
RT: 8.09 min Scan# 1021

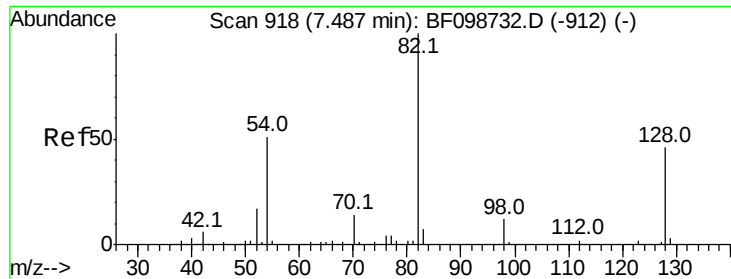
Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Tgt Ion:	136	Resp:	392136
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	5.8	5.0	7.4





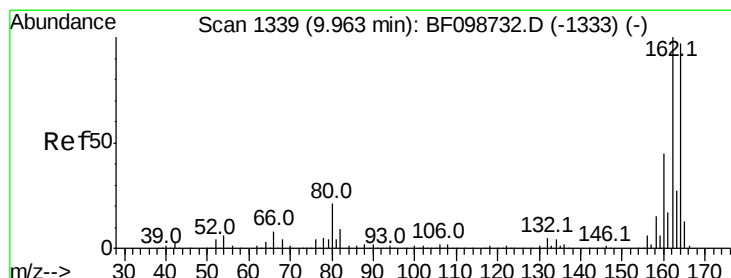
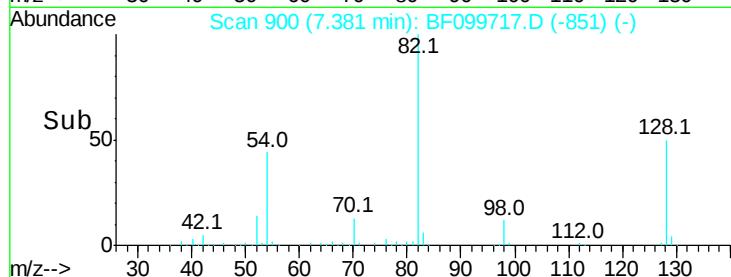
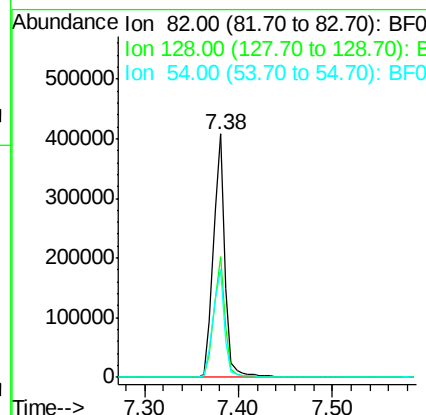
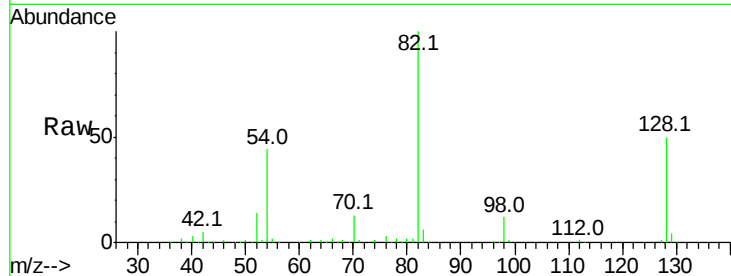
#23
 Nitrobenzene-d5
 Concen: 58.010 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Instrument :
 BNA_F
 ClientSampled :
 20-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	44.2	41.4	62.2

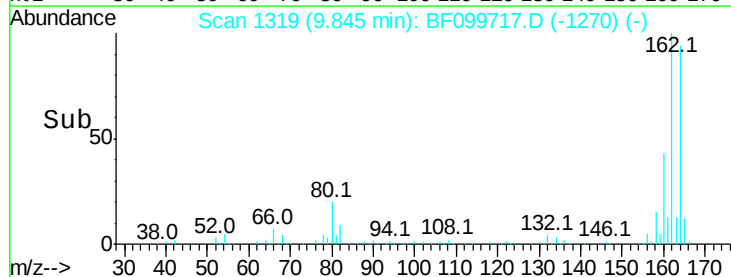
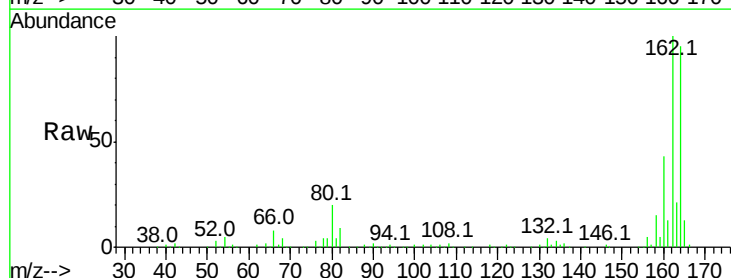
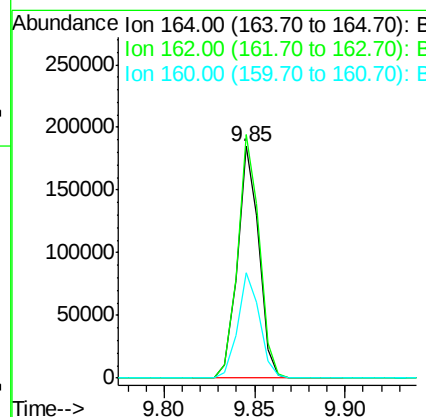
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	45.4	38.3	57.5





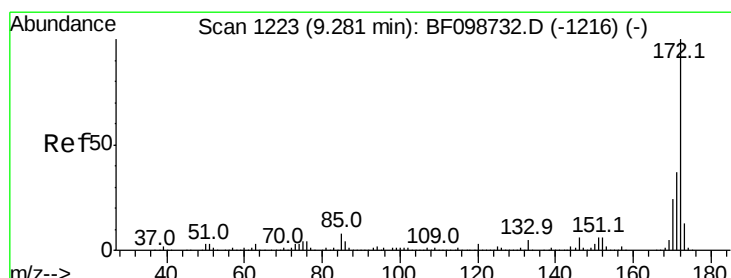
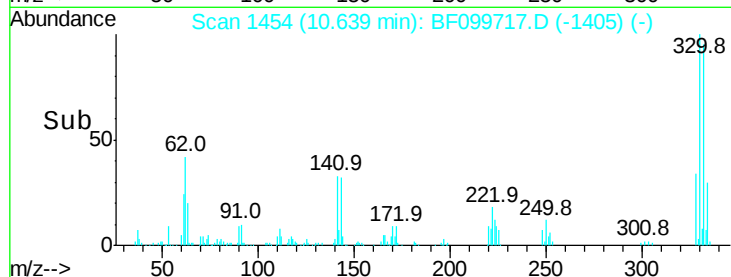
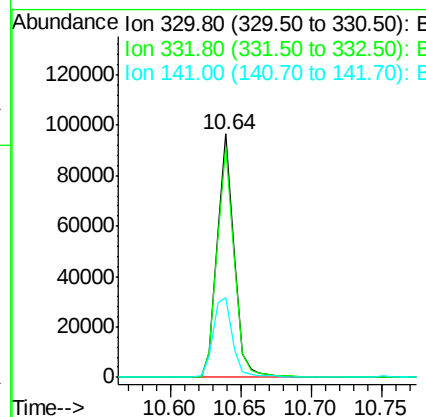
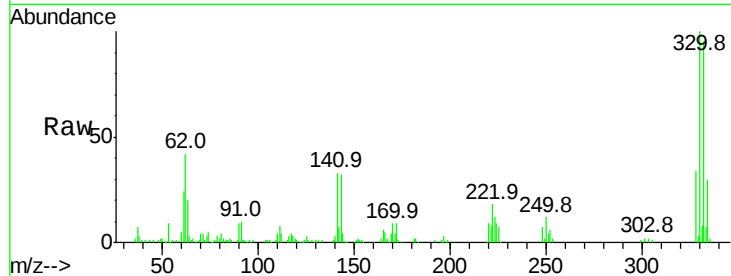
#41
 2,4,6-Tribromophenol
 Concen: 65.074 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Instrument :
 BNA_F
 ClientSampled :
 20-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	38.2	29.9	44.9

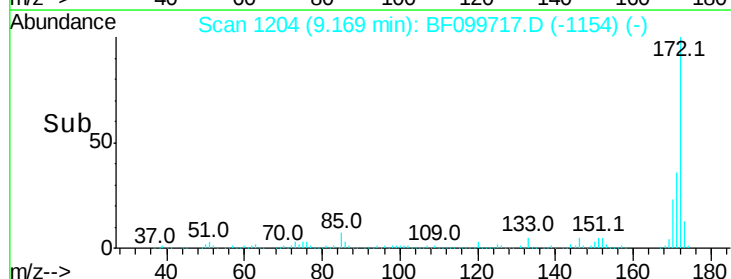
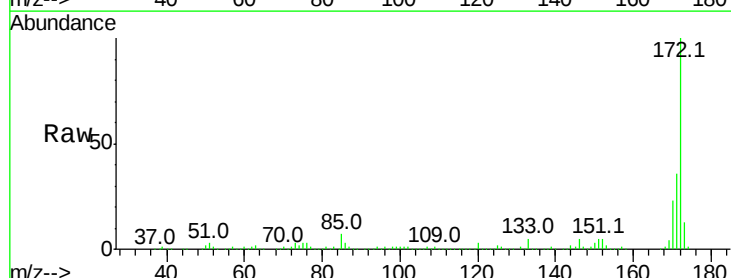
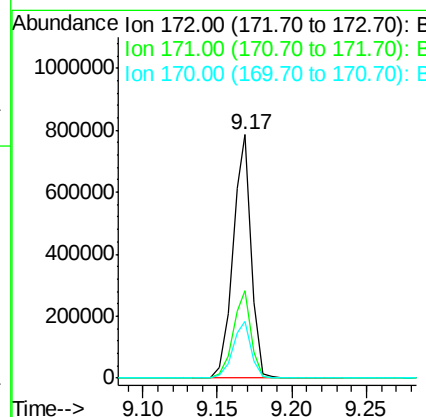
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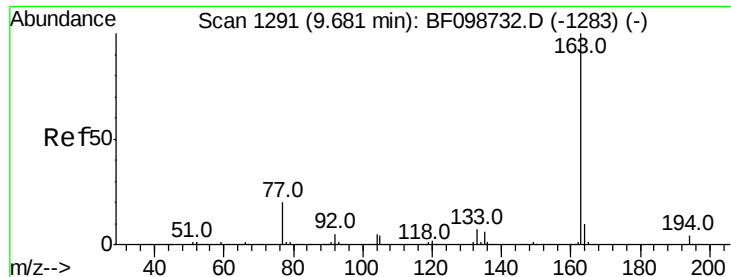
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#44
 2-Fluorobiphenyl
 Concen: 74.072 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.5	19.6	29.4





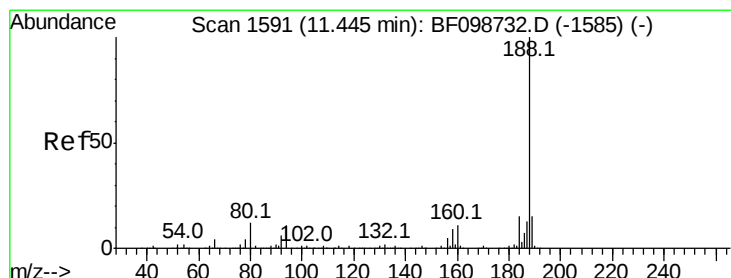
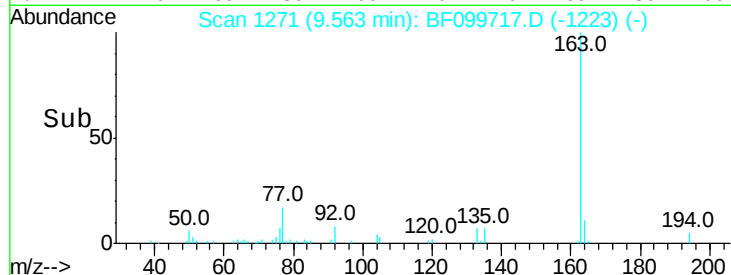
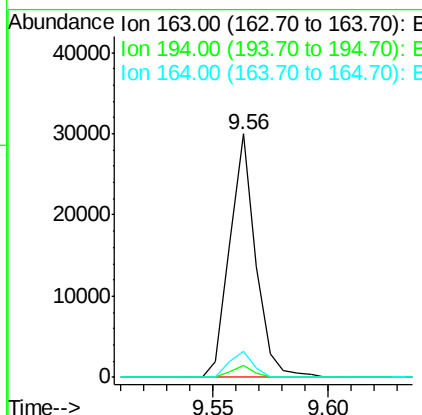
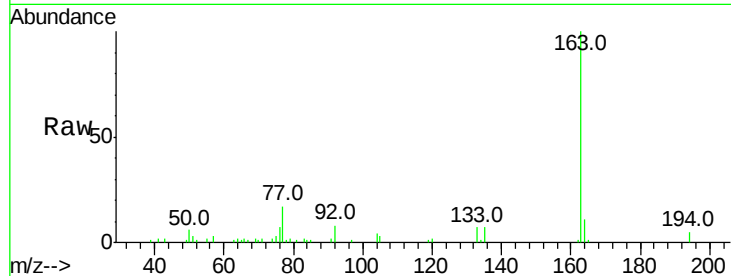
#49
Dimethylphthalate
Concen: 2.037 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :
20-02

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.7	4.1#
164	10.6	8.2	12.2

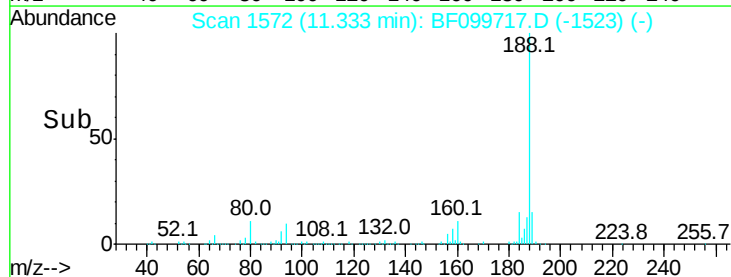
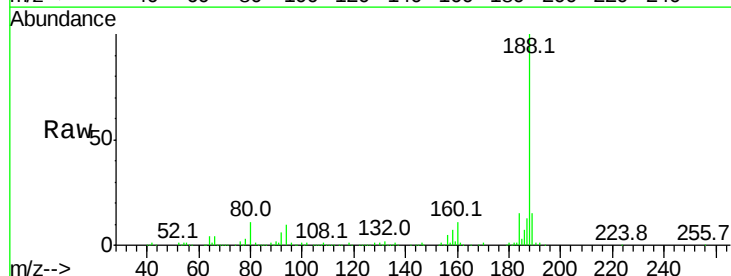
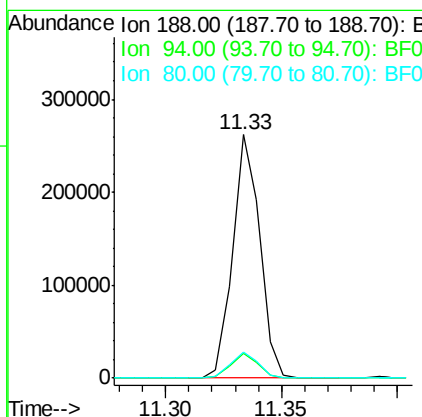
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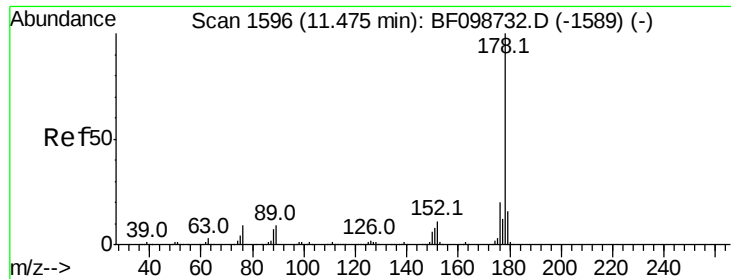
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8





#70

Phenanthrene

Concen: 6.208 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

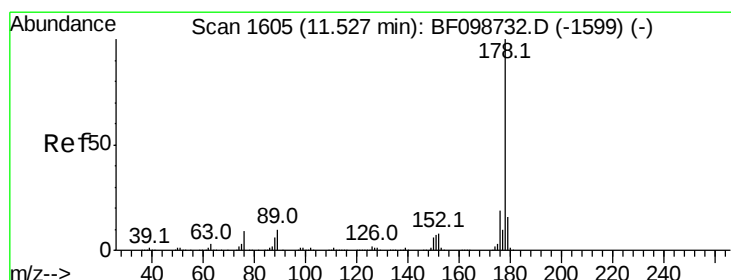
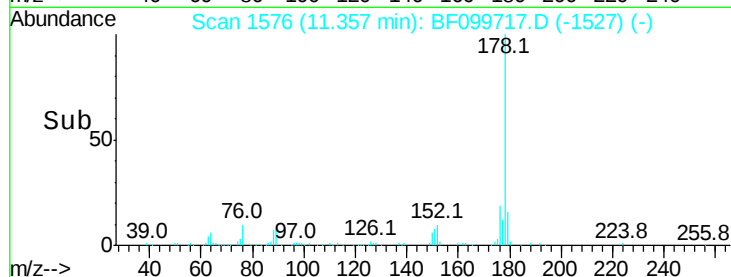
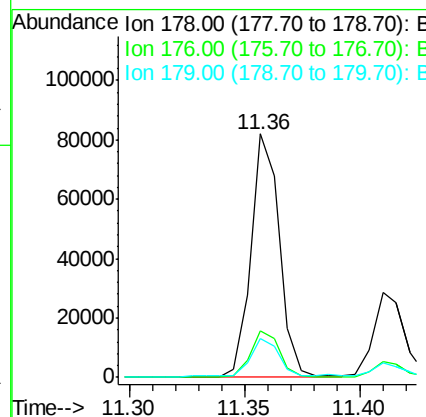
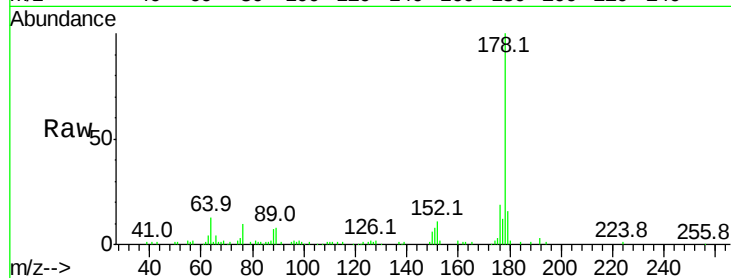
ClientSampleId :

20-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.9	13.0	19.6

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#71

Anthracene

Concen: 2.262 ng

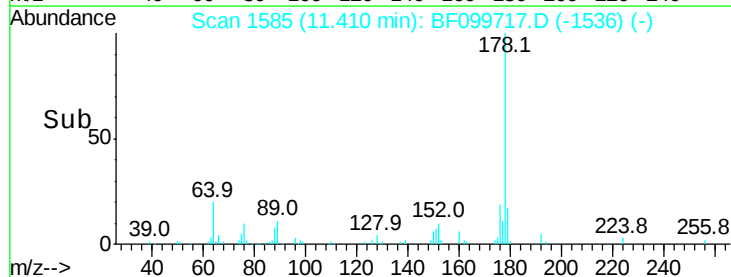
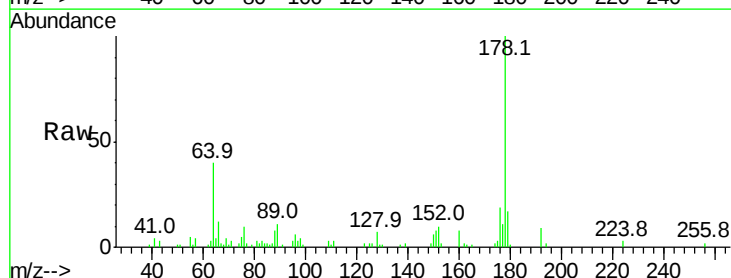
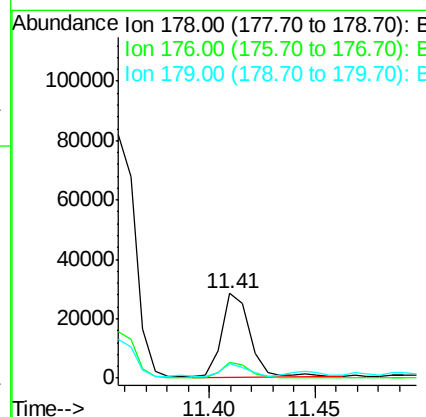
RT: 11.41 min Scan# 1585

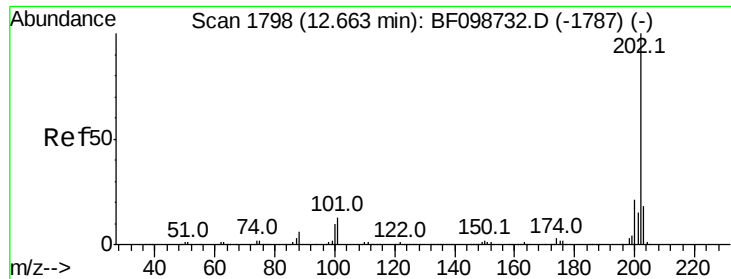
Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.6	12.6	19.0





#74

Fluoranthene

Concen: 8.553 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

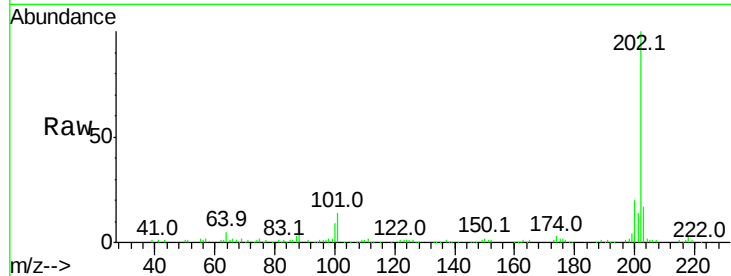
ClientSampleId :

20-02

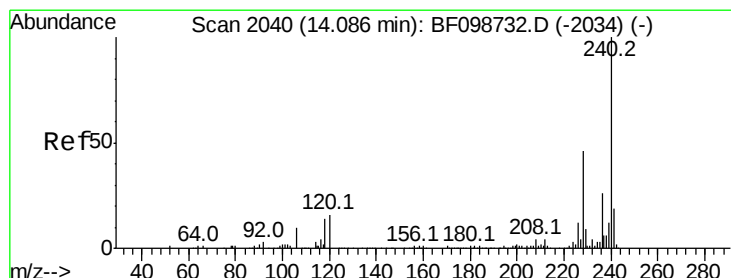
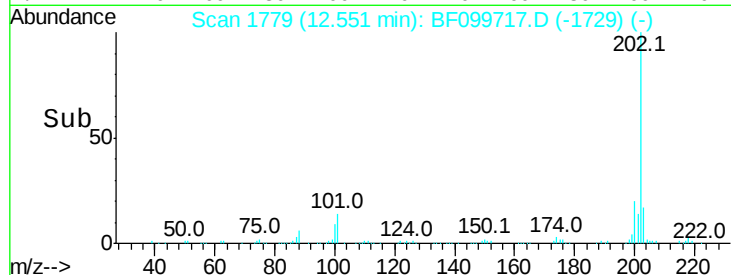
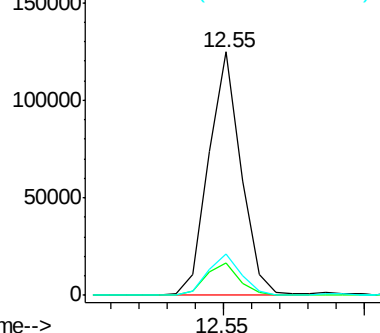
Tot Ion:	202	Resp:	99321
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	17.3	0.0	38.1

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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: 20.000 ng

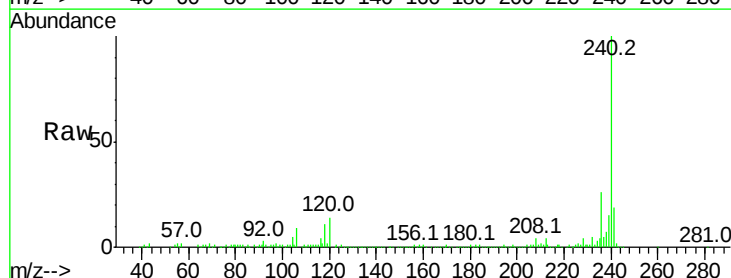
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

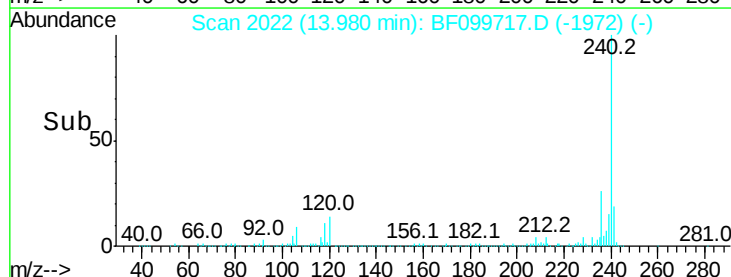
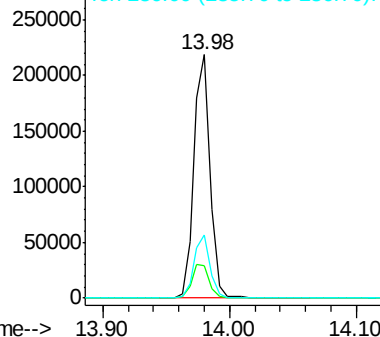
Lab File: BF099717.D

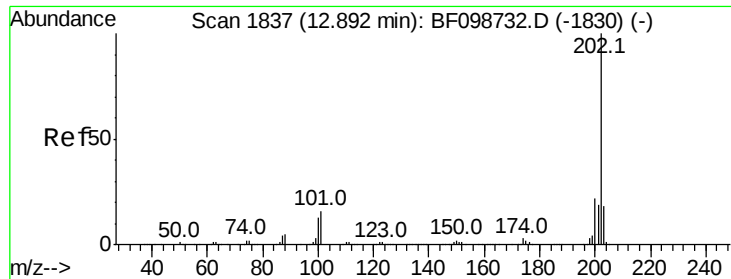
Acq: 21 Oct 2017 00:40

Tgt Ion:	240	Resp:	195086
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.7	20.7	31.1



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





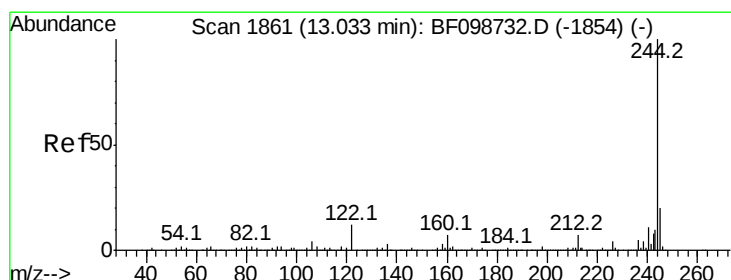
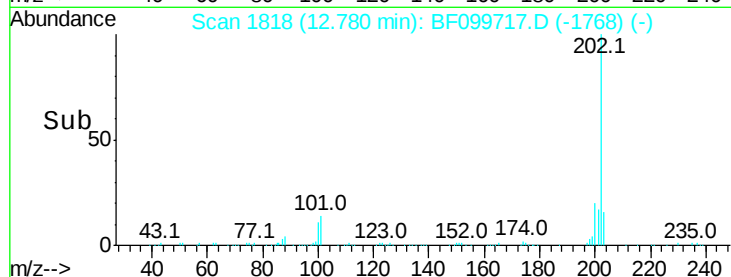
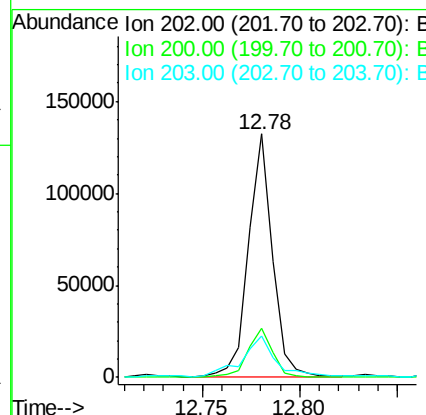
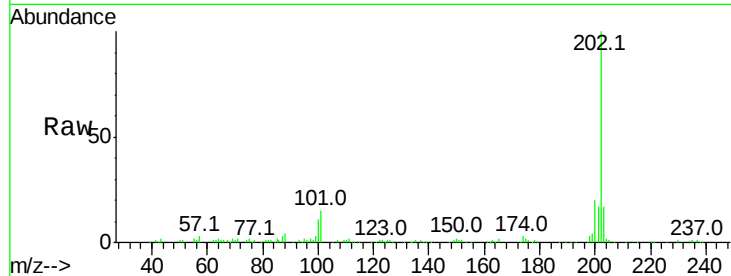
#77
Pvrene
Concen: 7.544 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :
20-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.1	14.3	21.5

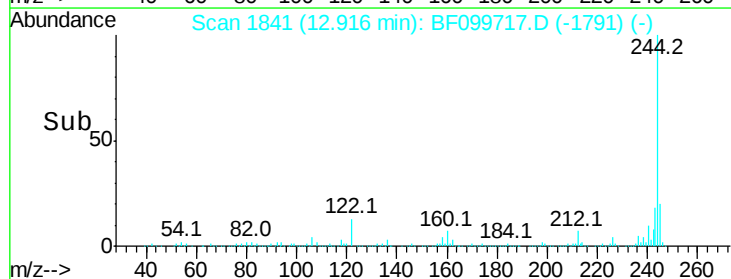
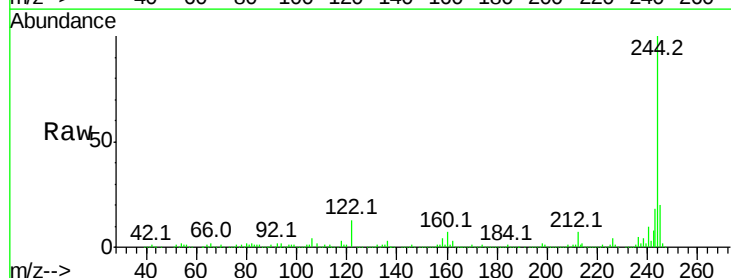
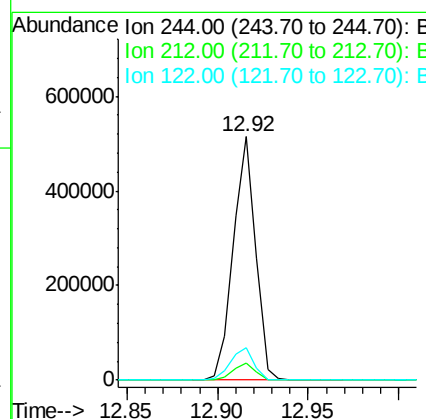
Manual Integrations
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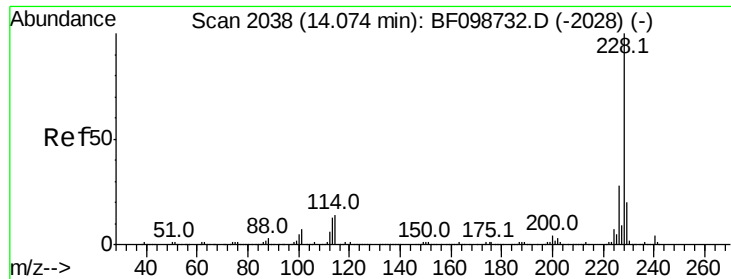
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#78
Terphenyl-d14
Concen: 51.530 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.4	11.0	16.4





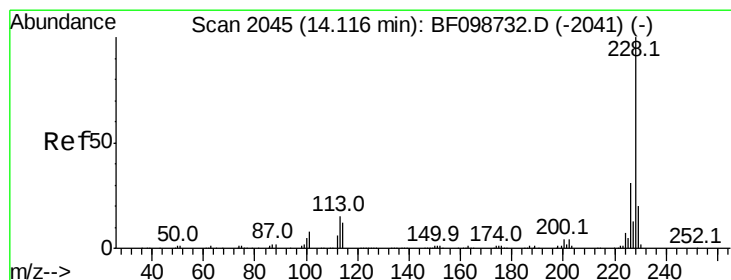
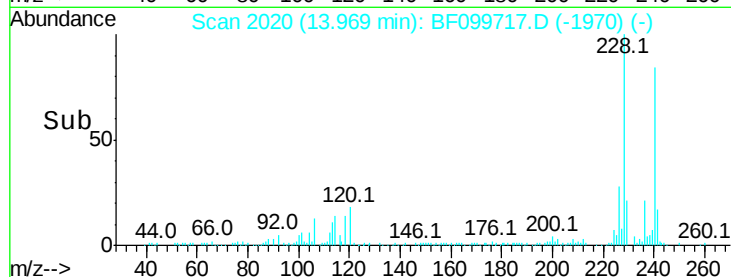
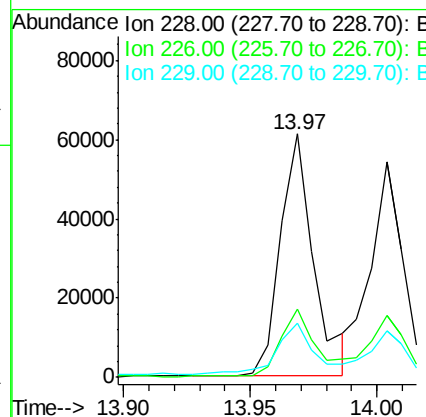
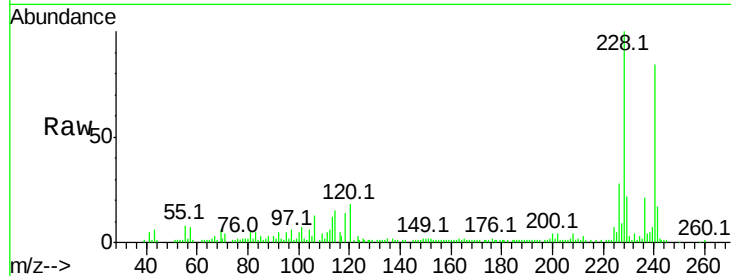
#80
Benzo(a)anthracene
Concen: 4.749 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampled :
20-02

Tot Ion	Ratio	Resp	Lower	Upper
228	100	56099		
226	28.3		22.6	33.8
229	22.3		15.8	23.6

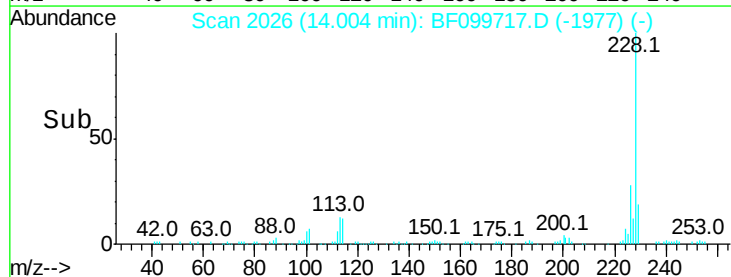
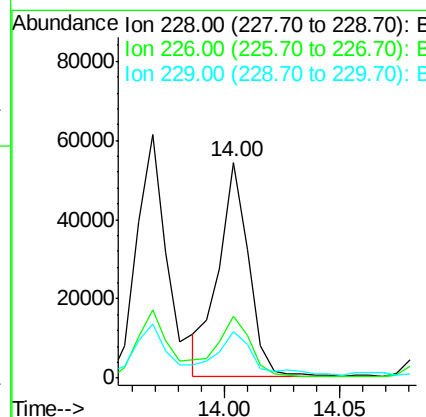
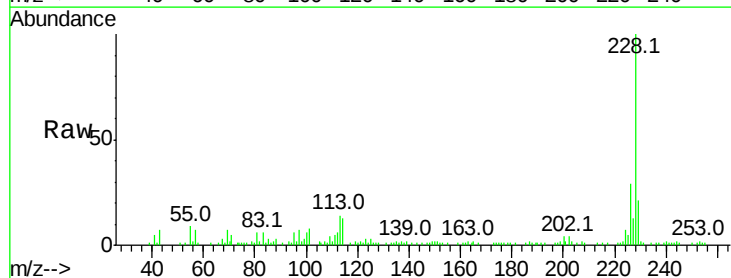
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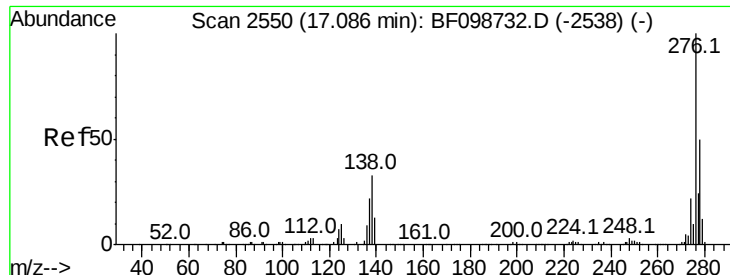
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#82
Chrysene
Concen: 4.316 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	48541		
226	28.7		25.0	37.6
229	21.5		16.2	24.4





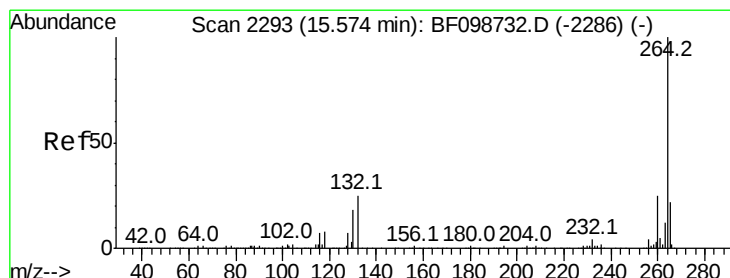
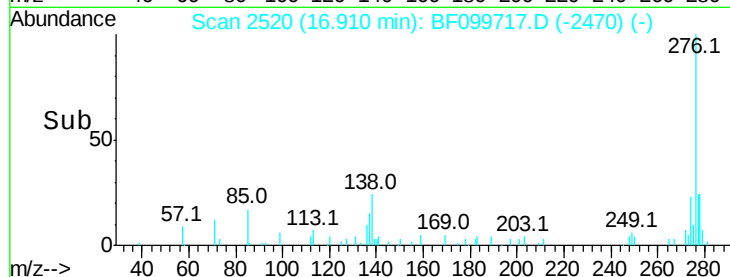
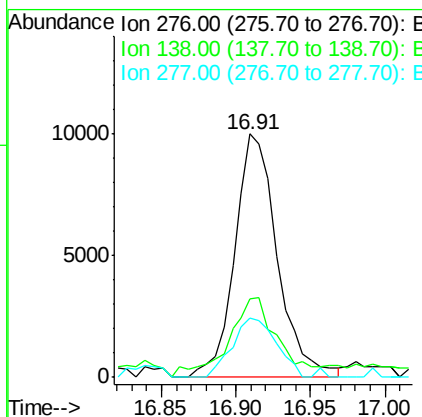
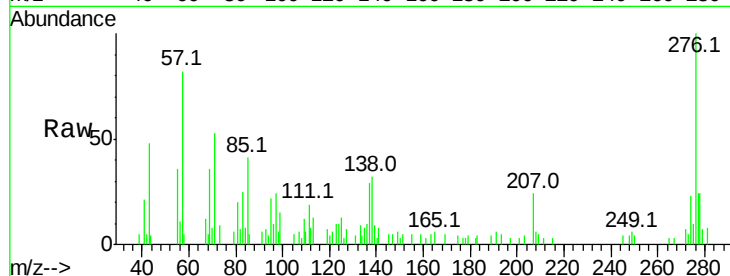
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.206 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampled :
20-02

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.0	25.0	37.6#
277	25.2	20.1	30.1

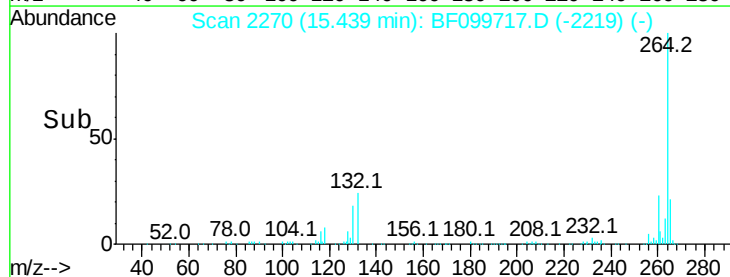
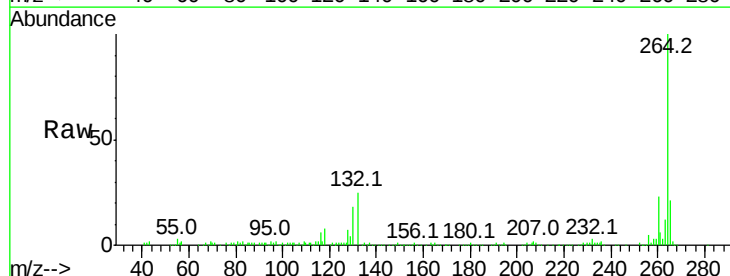
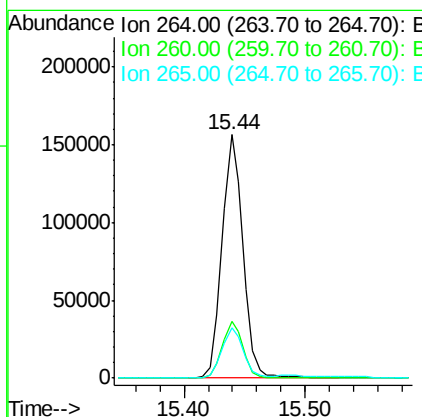
Manual Integrations
APPROVED

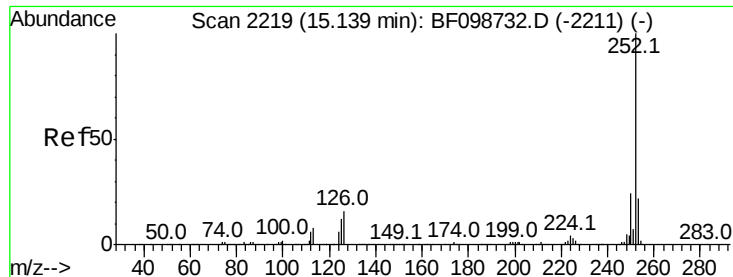
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.8	17.5	26.3





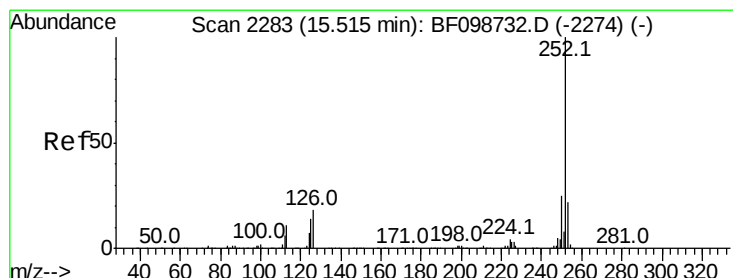
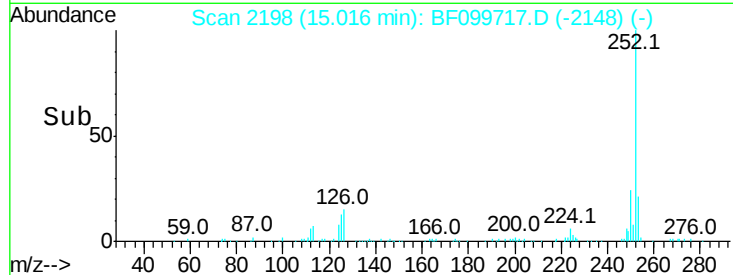
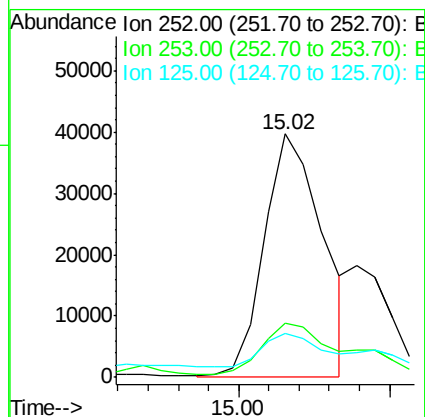
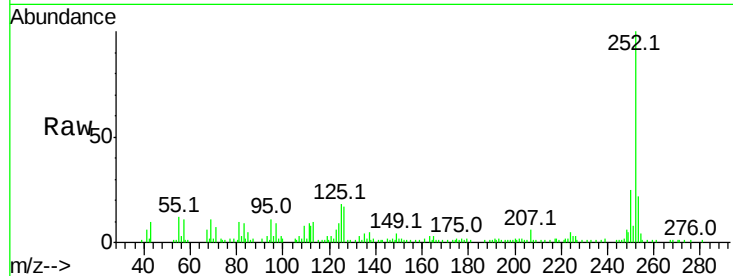
#87
Benzo(b)fluoranthene
Concen: 4.678 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampled :
20-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	18.0	9.0	13.6

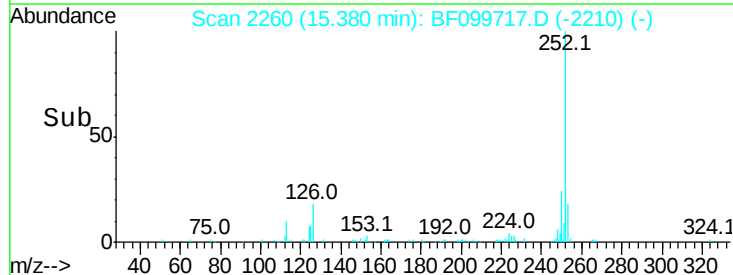
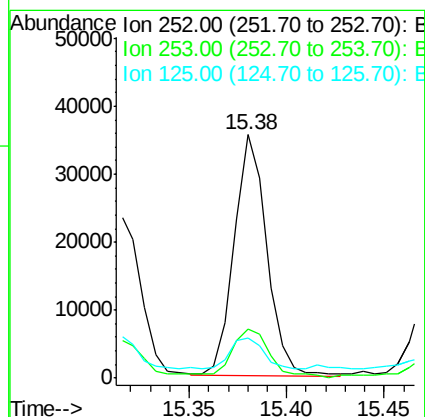
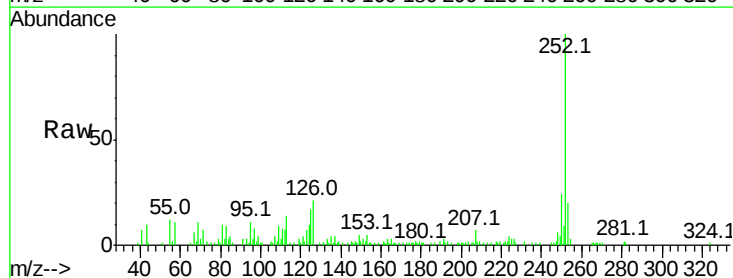
Manual Integrations
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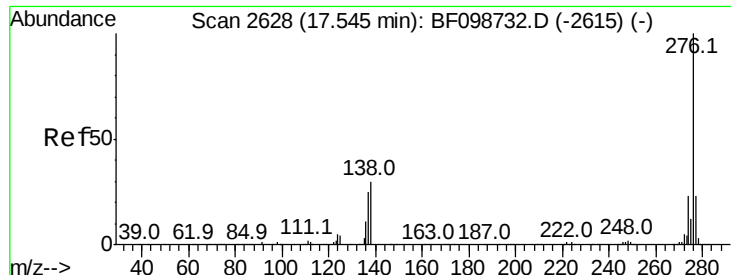
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#89
Benzo(a)pyrene
Concen: 3.928 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.9	17.1	25.7
125	16.7	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.210 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. 0.00 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :
 20-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	26.3		17.9	26.9	
138	33.7		21.8	32.8	

Manual Integrations
 APPROVED

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