

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022445.D
 Acq On : 30 Aug 2019 17:40
 Operator : HP/JU
 Sample : K4594-01DL 100X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S704A-N-0.0-0.5-082819DL

Manual Integrations
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 8/31/2019 2:43:54 PM

Quant Time: Aug 30 18:34:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	12687	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	45417	20.00	ng	-0.01
39) Acenaphthene-d10	14.18	164	27861	20.00	ng	0.00
64) Phenanthrene-d10	16.94	188	69987	20.00	ng	0.00
76) Chrysene-d12	21.16	240	102409	20.00	ng	-0.01
87) Perylene-d12	23.35	264	127463	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	461	0.64	ng	0.01
7) Phenol-d6	6.74	99	762	0.79	ng	0.02
23) Nitrobenzene-d5	8.71	82	388	0.37	ng	0.01
42) 2,4,6-Tribromophenol	15.70	330	590	1.03	ng	0.00
45) 2-Fluorobiphenyl	12.78	172	3250	1.32	ng	-0.01
79) Terphenyl-d14	0.00	244	0d	0.00	ng	

Target Compounds				Qvalue		
52) Acenaphthene	14.24	154	4093	2.502	ng	98
58) Fluorene	15.24	166	7146	2.902	ng	98
71) Phenanthrene	16.99	178	115419	28.292	ng	98
72) Anthracene	17.09	178	35079	8.740	ng	98
73) Carbazole	17.38	167	19081	5.751	ng	# 94
75) Fluoranthene	19.02	202	286544	52.744	ng	98
78) Pyrene	19.39	202	206333	29.564	ng	100
81) Benzo(a)anthracene	21.15	228	136704	18.598	ng	99
83) Chrysene	21.20	228	122080	17.449	ng	99
84) Bis(2-ethylhexyl)phthalate	21.07	149	10068	3.044	ng	# 96
86) Indeno(1,2,3-cd)pyrene	25.53	276	80831	11.486	ng	99
88) Benzo(b)fluoranthene	22.70	252	161760	18.268	ng	# 97
89) Benzo(k)fluoranthene	22.74	252	51098m	5.817	ng	
90) Benzo(a)pyrene	23.26	252	133612	17.000	ng	# 92
91) Dibenzo(a,h)anthracene	25.53	278	19489	2.487	ng	# 90
92) Benzo(g,h,i)perylene	26.20	276	80808	11.830	ng	97

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

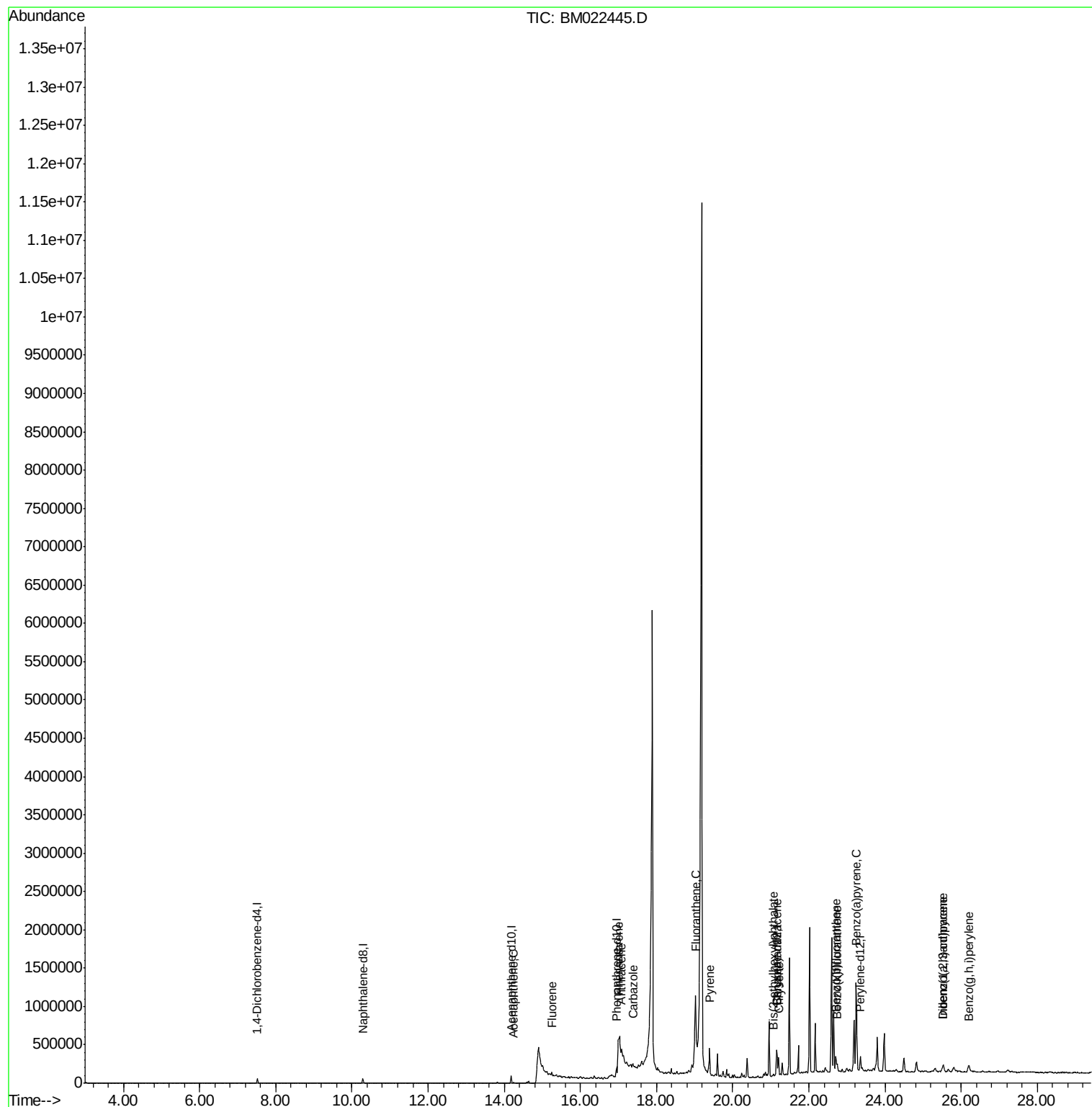
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022445.D
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ALS Vial : 3 Sample Multiplier: 1

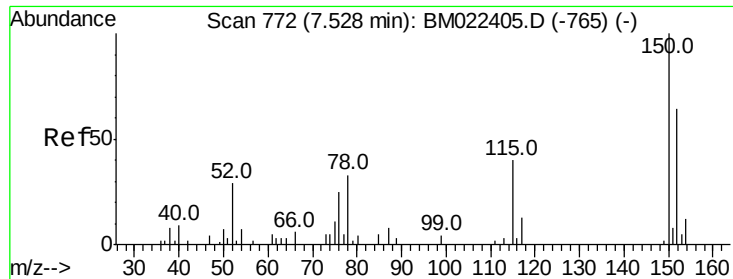
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

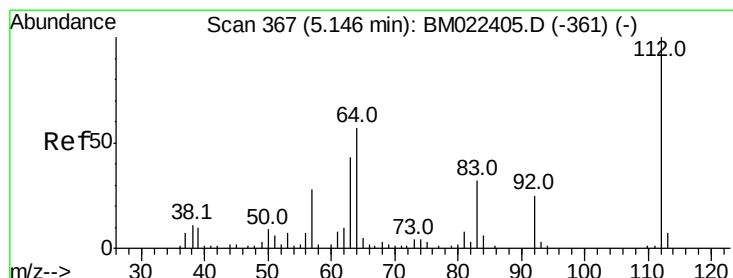
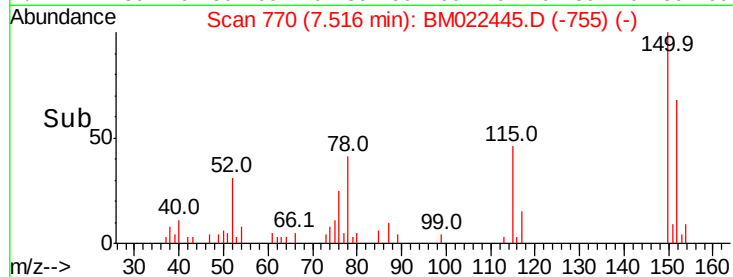
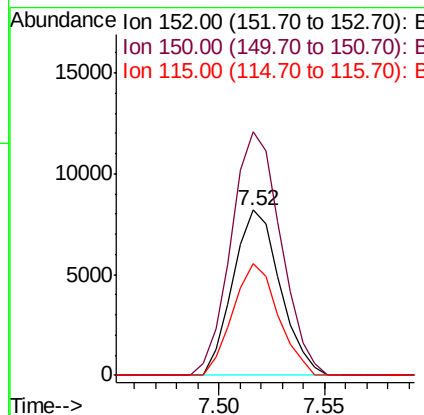
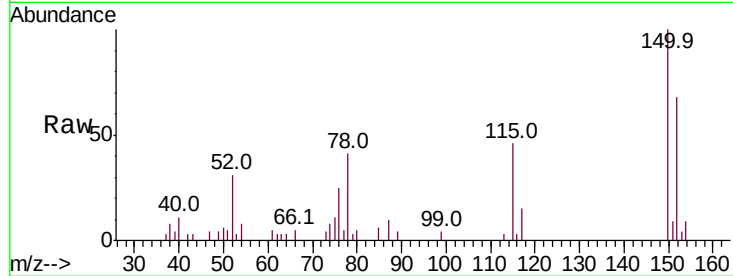
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	125.4	188.0
115	67.7	50.3	75.5

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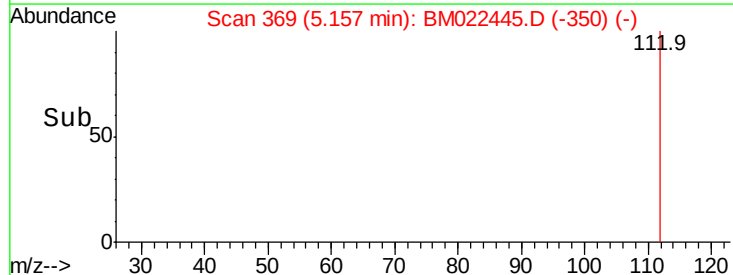
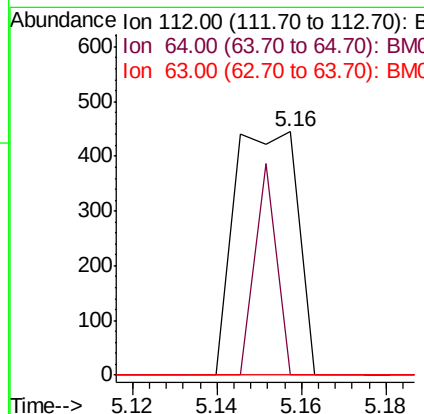
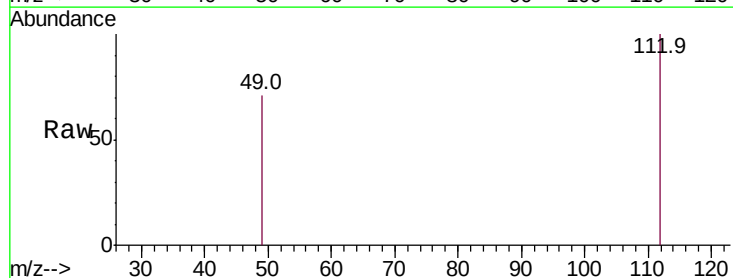
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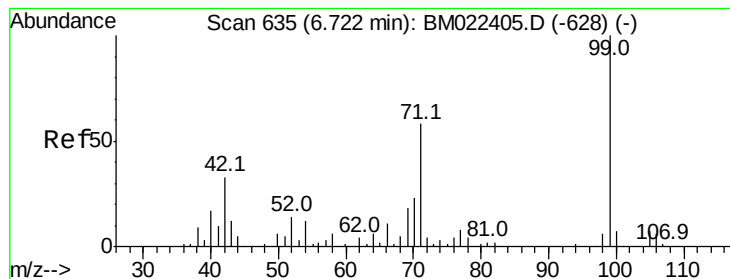


#5

2-Fluorophenol
Concen: 0.638 ng
RT: 5.16 min Scan# 369
Delta R.T. 0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	45.4	68.2#
63	0.0	34.5	51.7#





#7

Phenol-d6

Concen: 0.788 ng

RT: 6.74 min Scan# 638

Delta R.T. 0.02 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

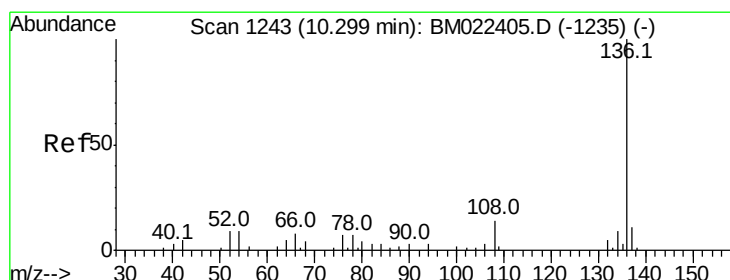
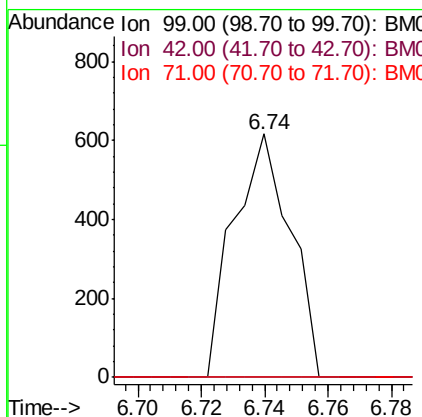
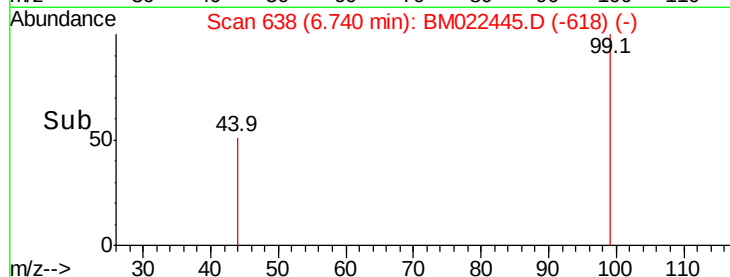
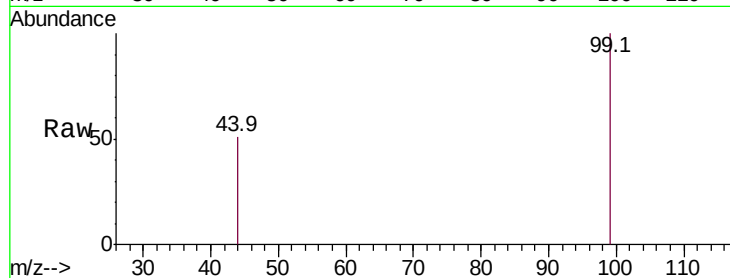
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	26.3	39.5#
71	0.0	46.6	69.8#

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#21

Naphthalene-d8

Concen: 20.000 ng

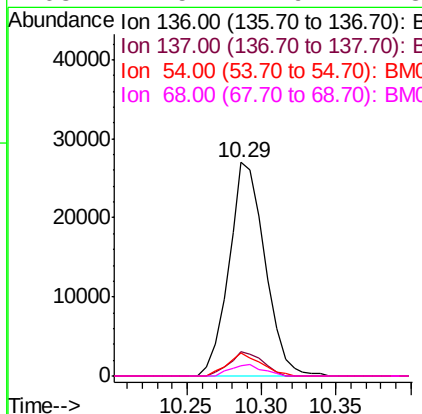
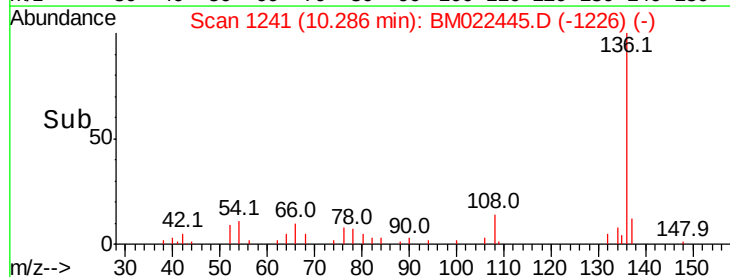
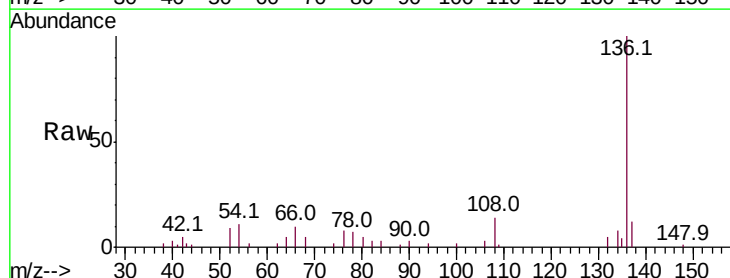
RT: 10.29 min Scan# 1241

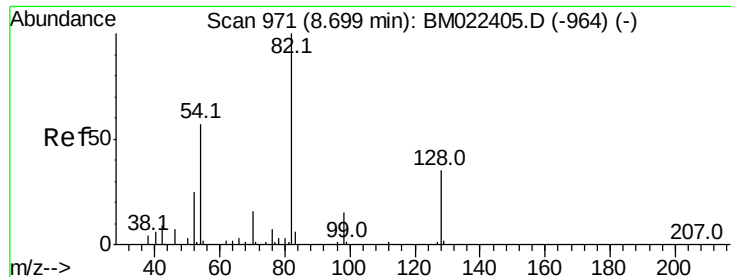
Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	10.6	7.0	10.6#
68	4.5	2.9	4.3#





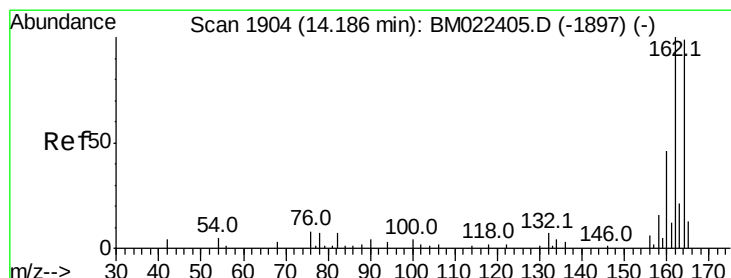
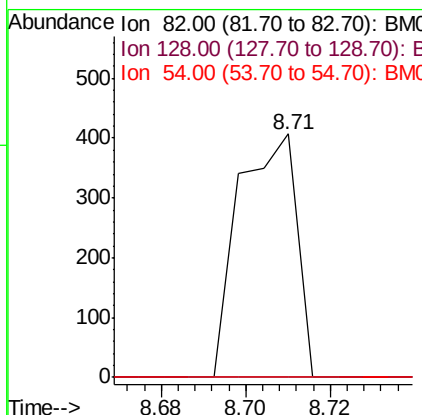
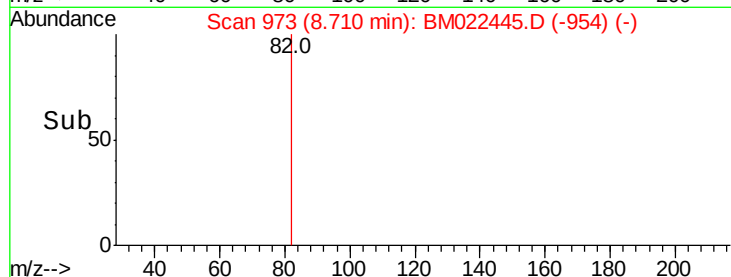
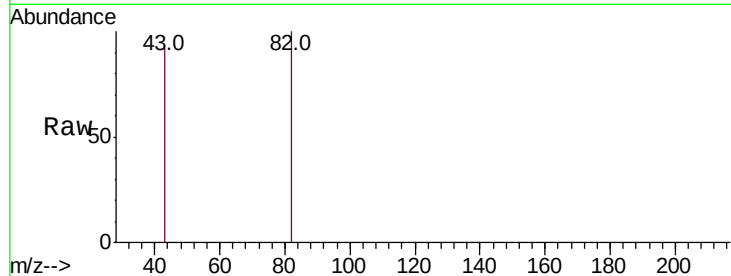
#23
Nitrobenzene-d5
Concen: 0.374 ng
RT: 8.71 min Scan# 973
Delta R.T. 0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	27.9	41.9#
54	0.0	45.2	67.8#

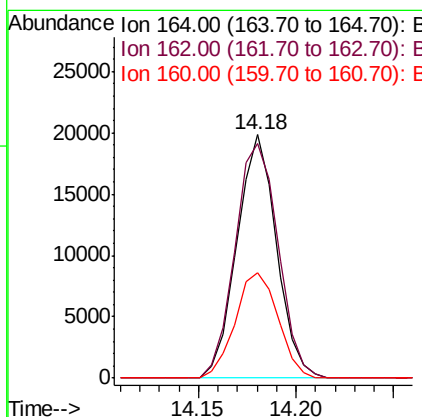
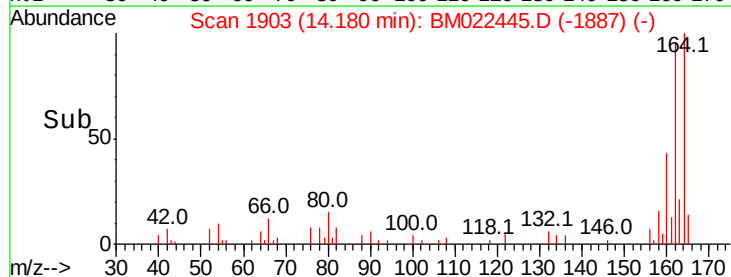
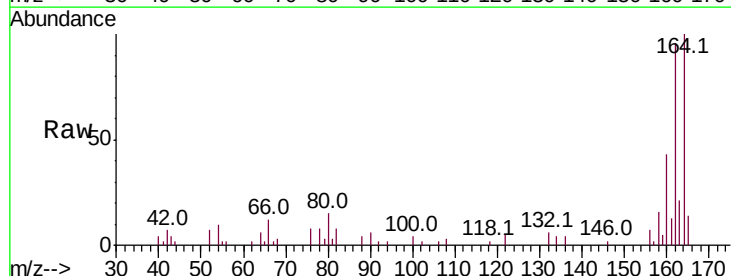
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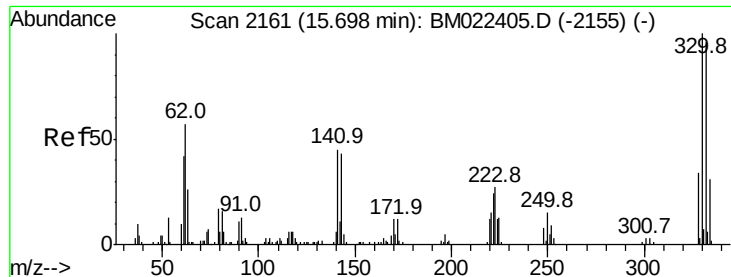
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.1	80.6	121.0
160	43.4	37.3	55.9





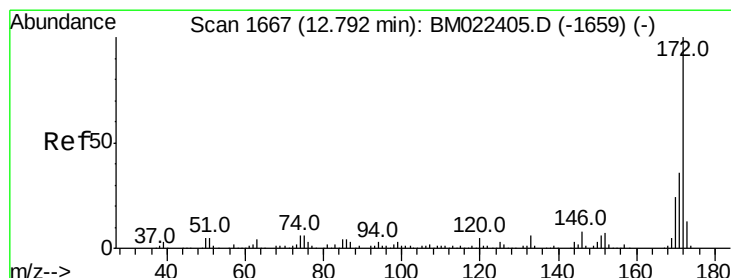
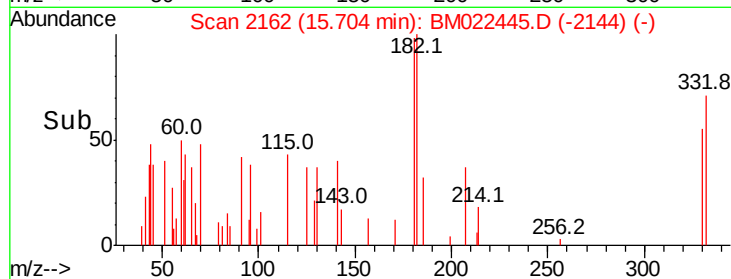
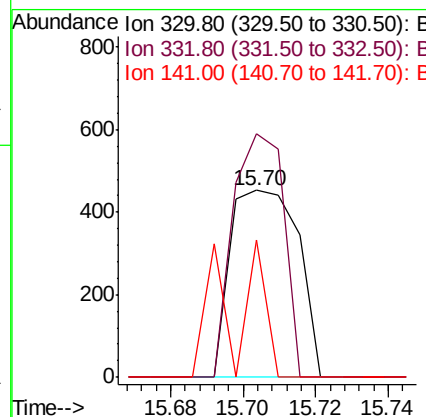
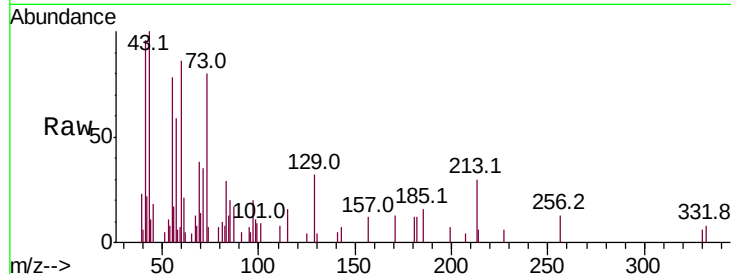
#42
 2,4,6-Tribromophenol
 Concen: 1.035 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BM022445.D
 Acq: 30 Aug 2019 17:40

Instrument :
 BNA_M
 ClientSampleId :
 S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.8
141	39.2	35.6	53.4

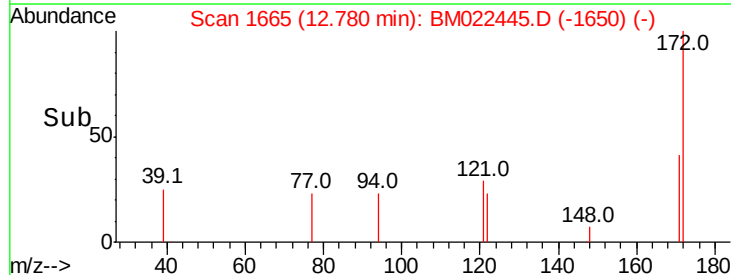
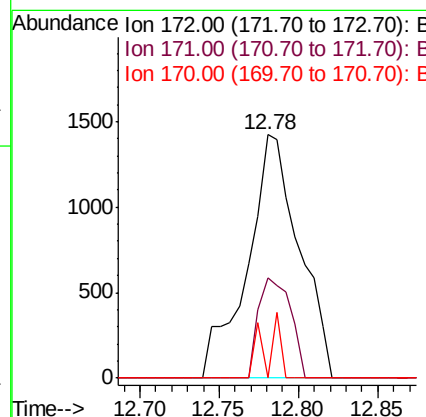
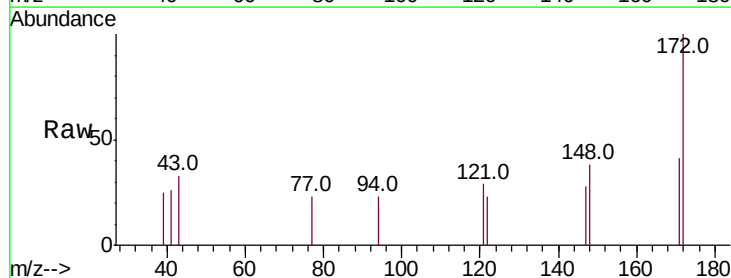
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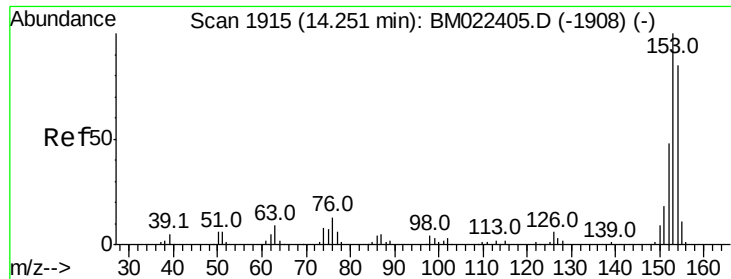
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#45
 2-Fluorobiphenyl
 Concen: 1.321 ng
 RT: 12.78 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BM022445.D
 Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.0	28.5	42.7
170	0.0	18.9	28.3





#52

Acenaphthene

Concen: 2.502 ng

RT: 14.24 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

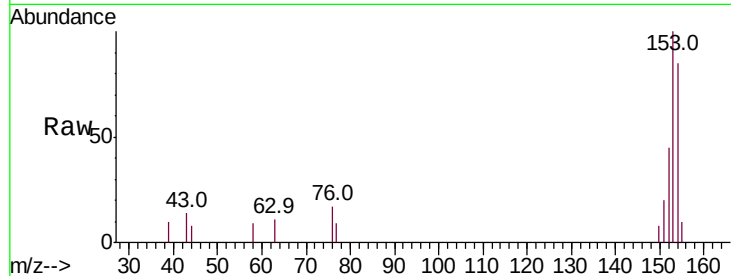
ClientSampleId :

S704A-N-0.0-0.5-082819DL

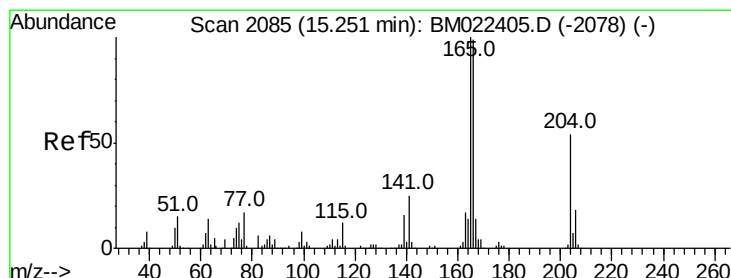
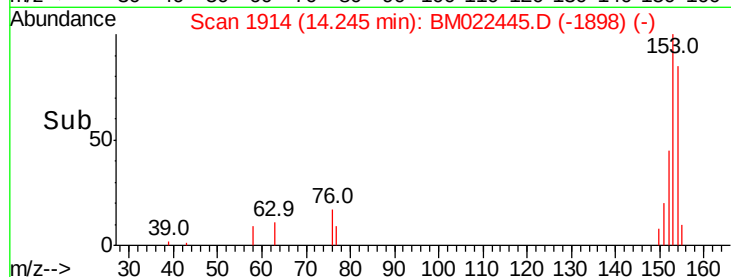
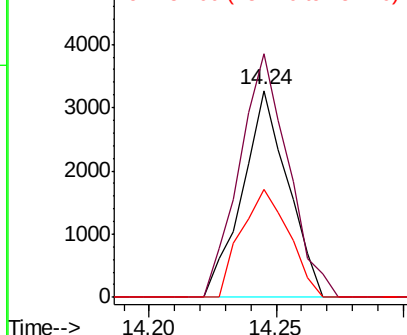
Tot Ion:	154	Resp:	4093
Ion Ratio	Lower	Upper	
154	100		
153	117.9	94.3	141.5
152	52.5	45.4	68.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.902 ng

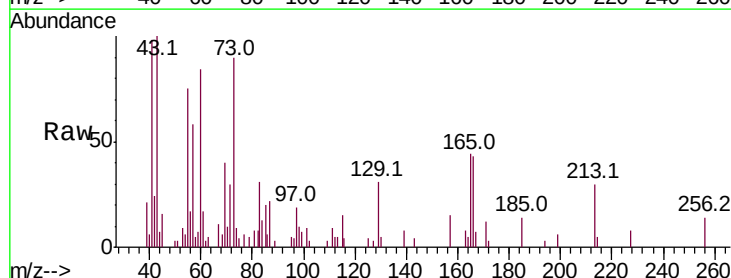
RT: 15.24 min Scan# 2084

Delta R.T. -0.01 min

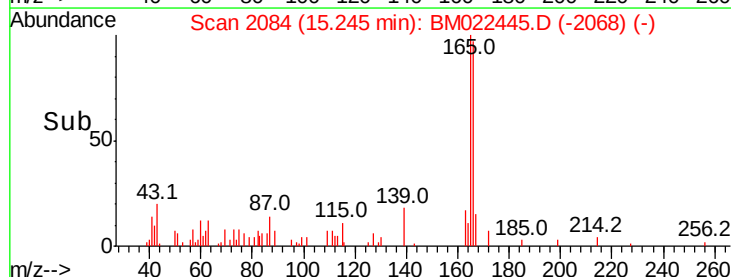
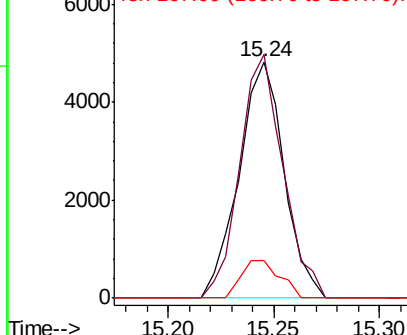
Lab File: BM022445.D

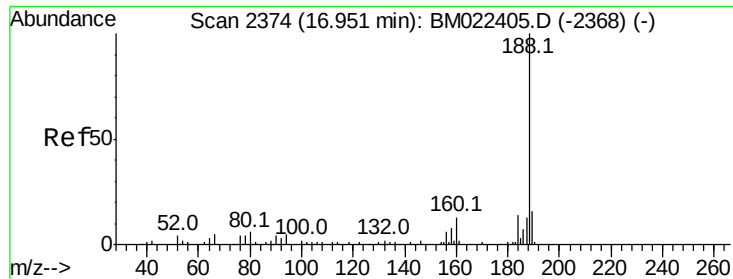
Acq: 30 Aug 2019 17:40

Tgt Ion:	166	Resp:	7146
Ion Ratio	Lower	Upper	
166	100		
165	103.1	81.1	121.7
167	15.9	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





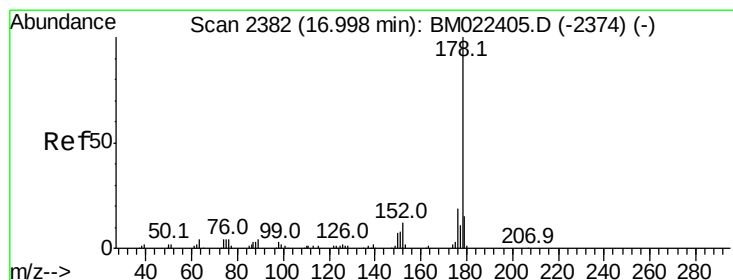
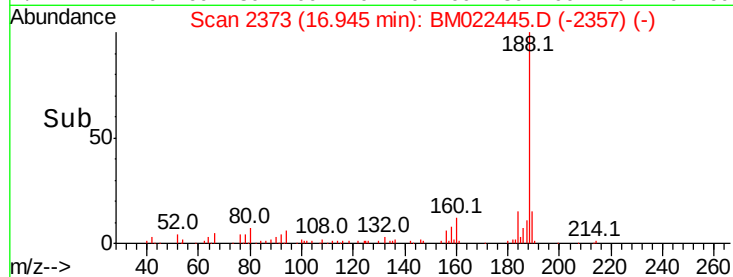
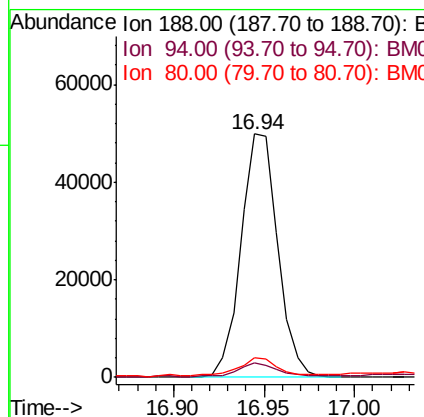
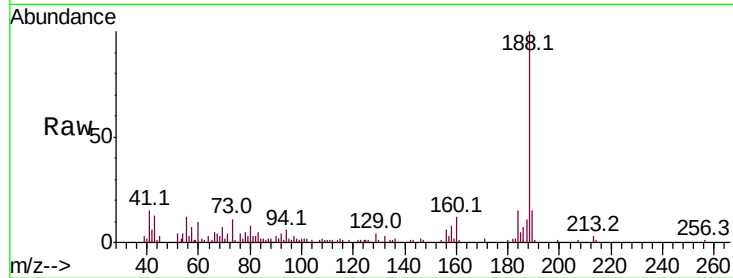
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.94 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Instrument :
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S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.8	4.4	6.6
80	8.2	5.0	7.6

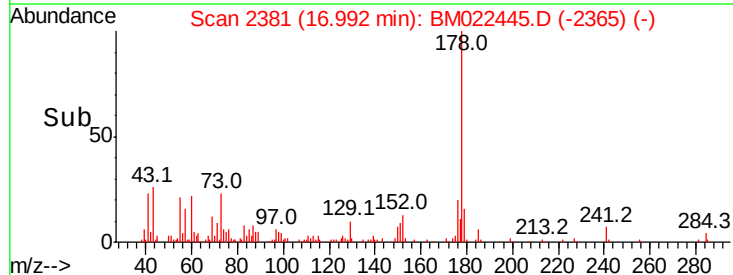
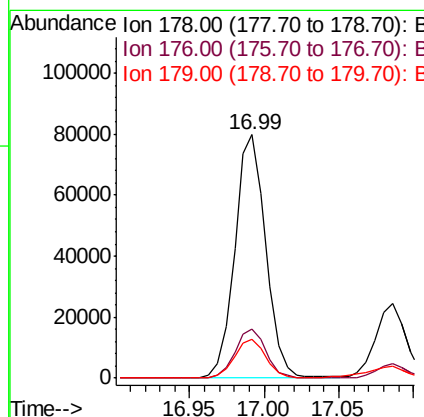
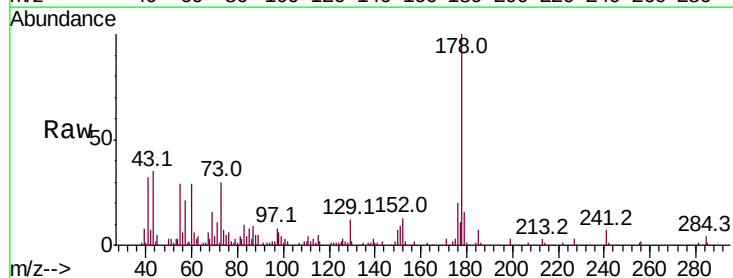
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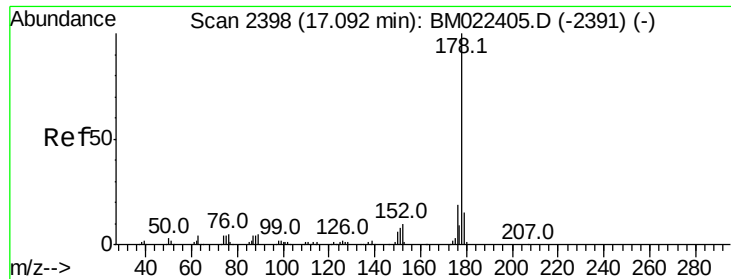
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#71
Phenanthrene
Concen: 28.292 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.4	23.2
179	16.0	12.3	18.5





#72

Anthracene

Concen: 8.740 ng

RT: 17.09 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

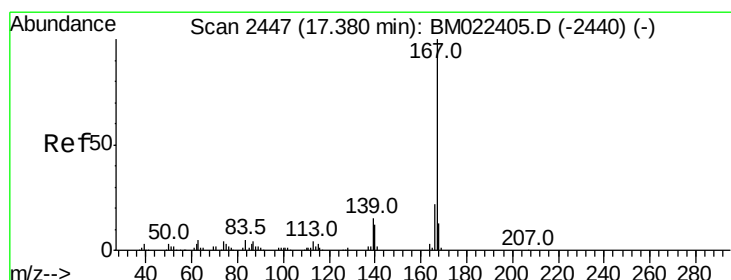
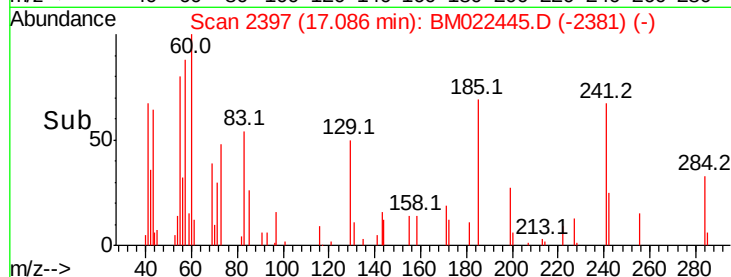
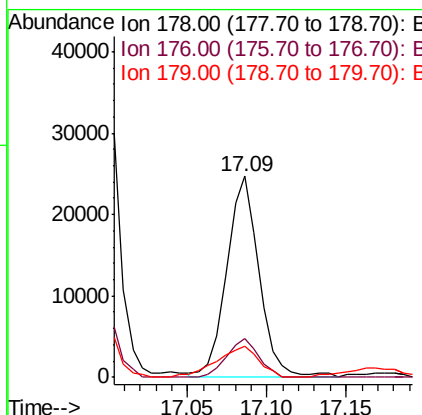
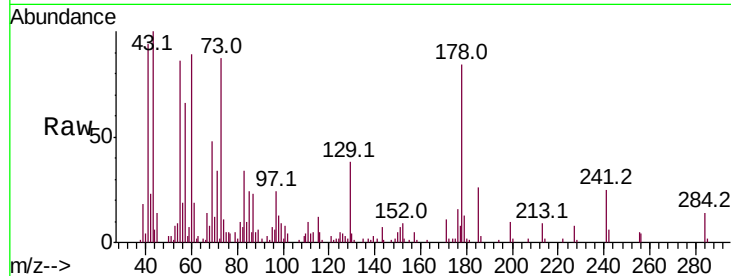
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:178	Resp:	35079
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.0 22.4
179	15.8	11.8 17.6

Manual Integrations
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#73

Carbazole

Concen: 5.751 ng

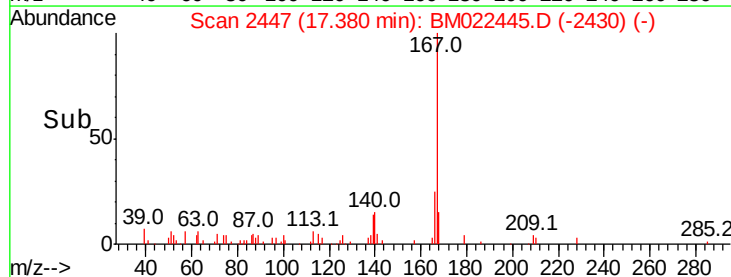
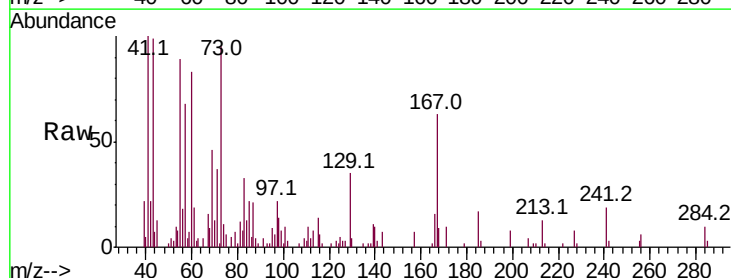
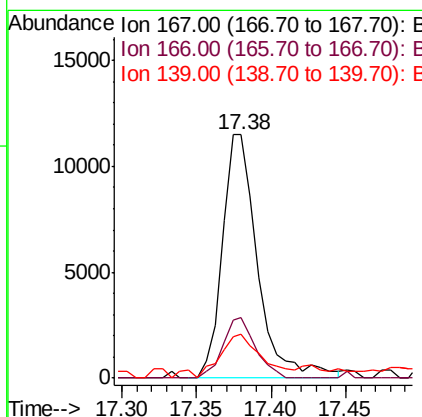
RT: 17.38 min Scan# 2447

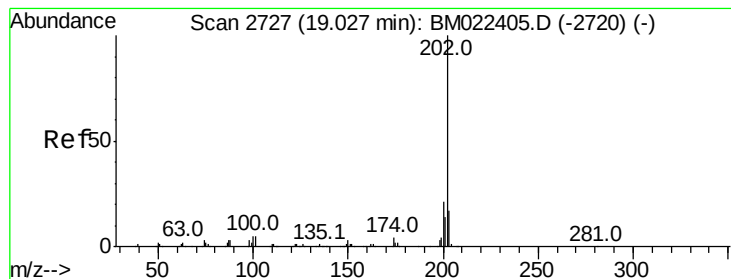
Delta R.T. -0.00 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Tgt Ion:167	Resp:	19081
Ion Ratio	Lower	Upper
167	100	
166	24.8	17.8 26.6
139	17.9	11.6 17.4#





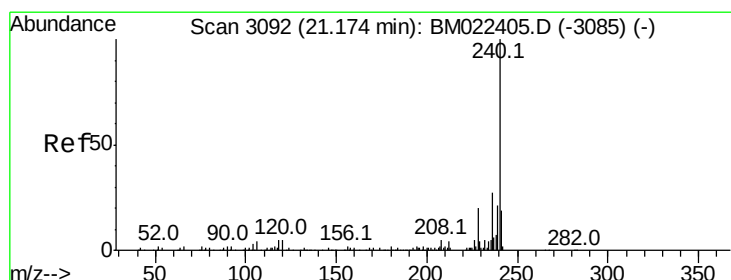
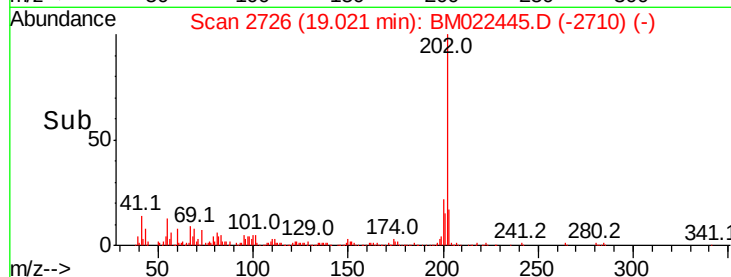
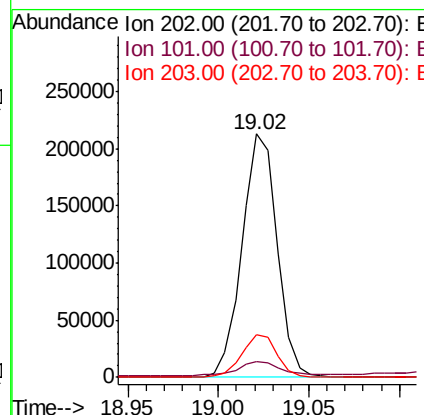
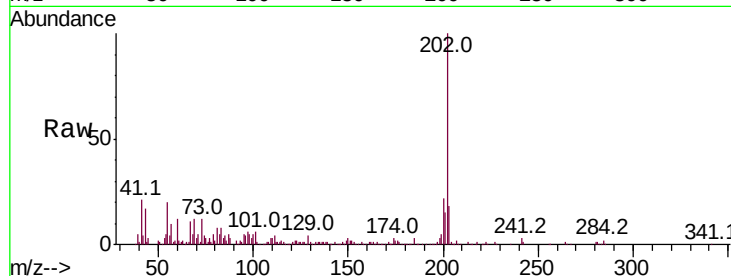
#75
 Fluoranthene
 Concen: 52.744 ng
 RT: 19.02 min Scan# 2726
 Delta R.T. -0.01 min
 Lab File: BM022445.D
 Acq: 30 Aug 2019 17:40

Instrument :
 BNA_M
 ClientSampleId :
 S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	286544		
101	6.3	0.0	25.1	
203	17.6	0.0	37.1	

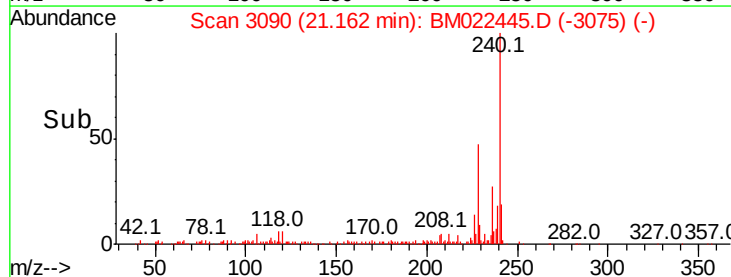
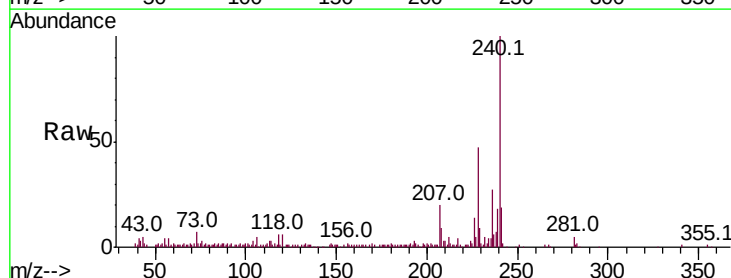
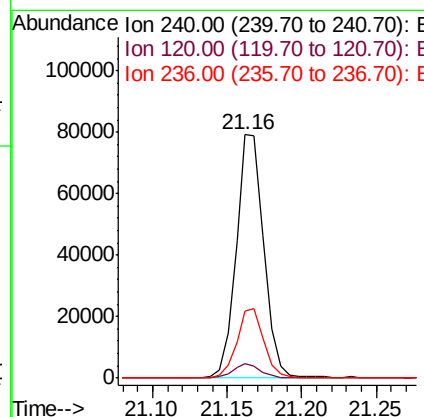
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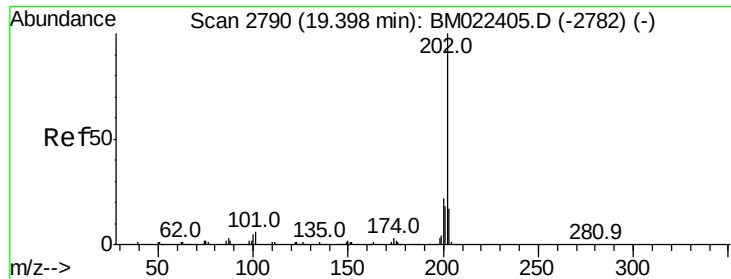
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.16 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BM022445.D
 Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	102409		
120	5.8	3.9	5.9	
236	27.4	21.4	32.2	





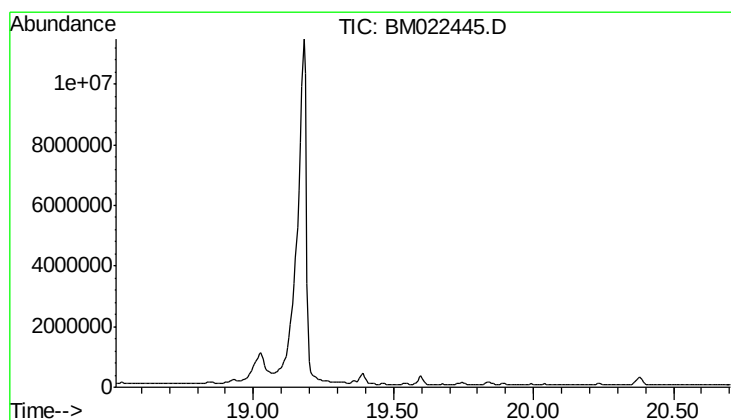
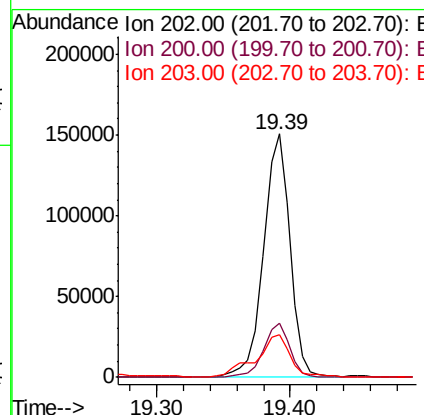
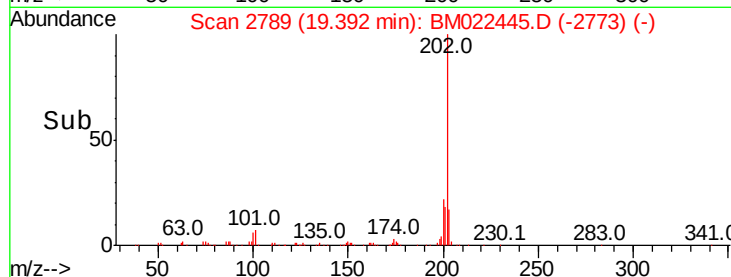
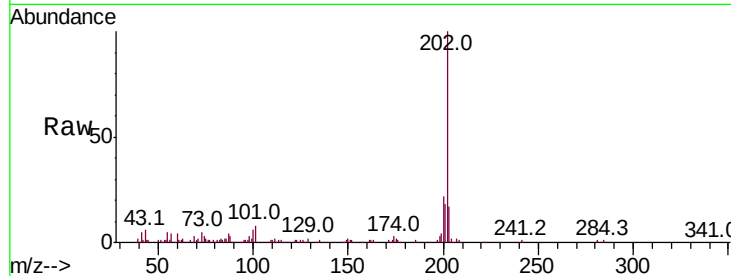
#78
Pvrene
Concen: 29.564 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.1	17.7	26.5		
203	17.4	13.8	20.8		

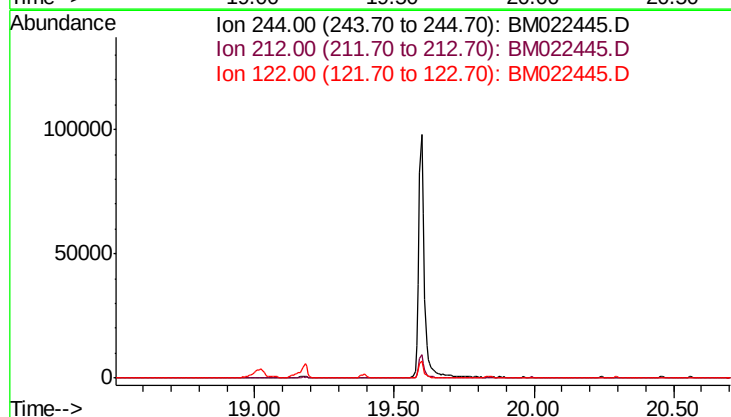
Manual Integrations
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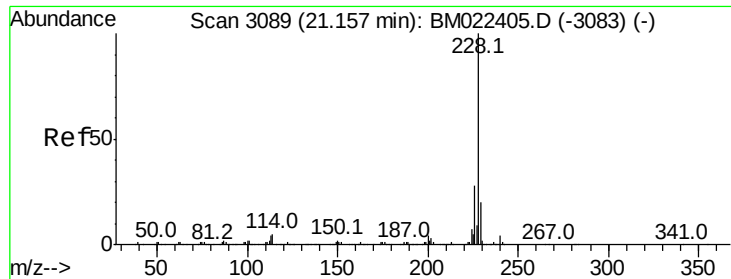
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#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.60 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Tgt Ion	Exp Ratio
244	100
212	8.7
122	4.9





#81

Benzo(a)anthracene

Concen: 18.598 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

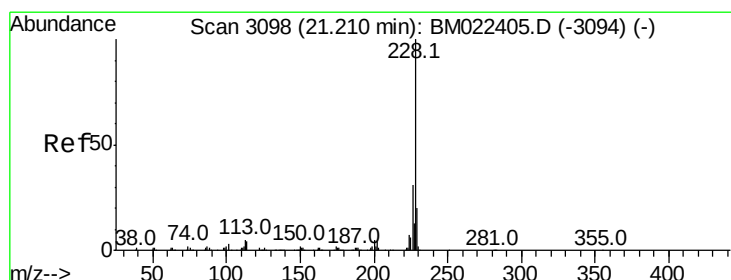
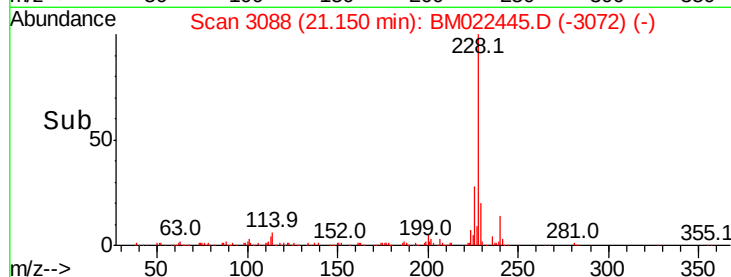
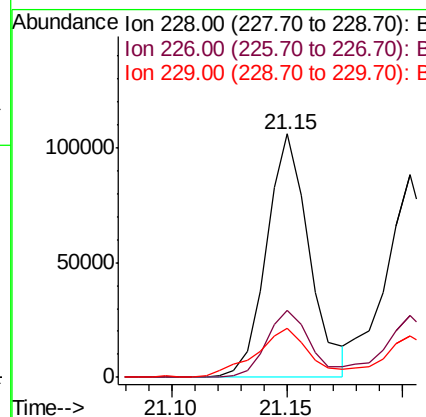
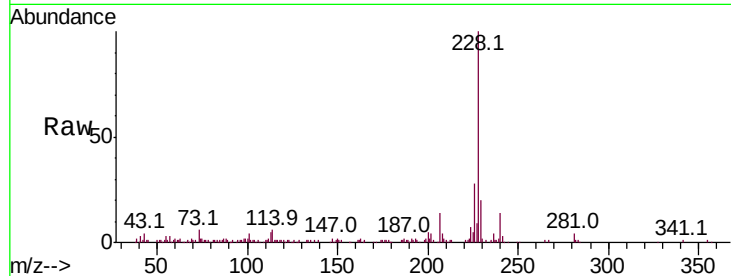
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:	228	Resp:	136704
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	34.0
229	20.0	15.9	23.9

Manual Integrations
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#83

Chrysene

Concen: 17.449 ng

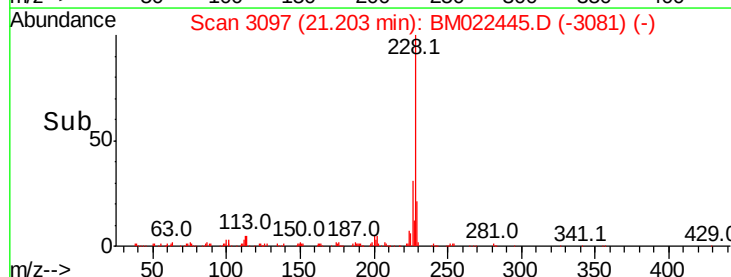
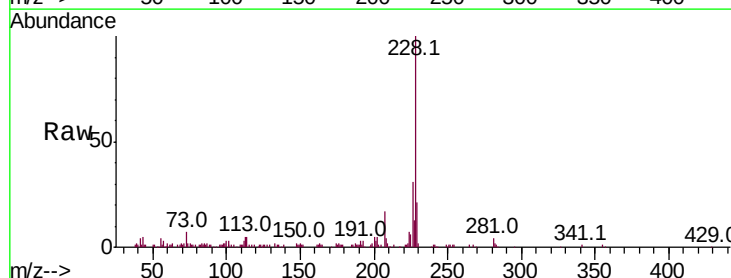
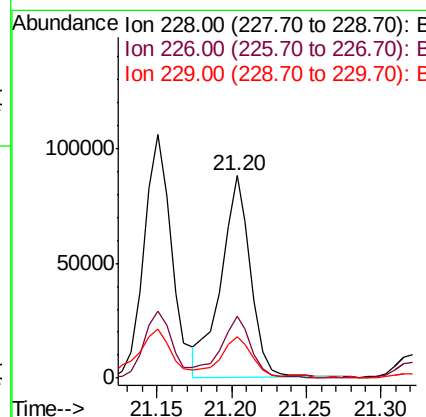
RT: 21.20 min Scan# 3097

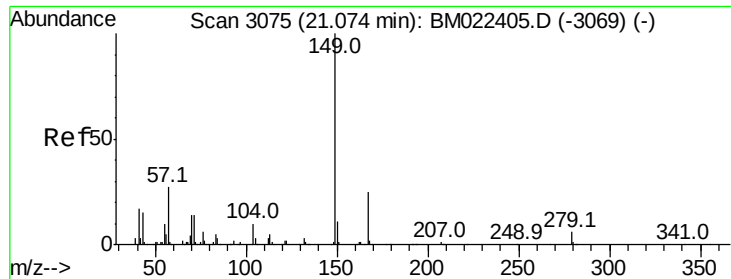
Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Tgt Ion:	228	Resp:	122080
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.5	36.7
229	20.6	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.044 ng

RT: 21.07 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

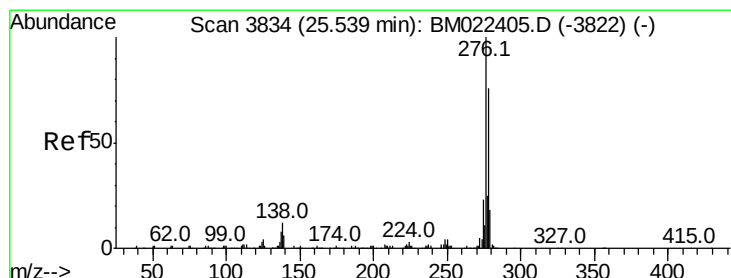
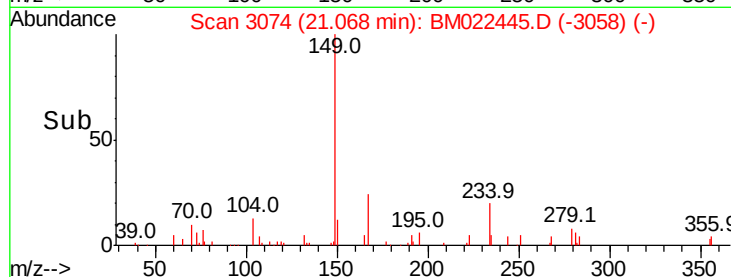
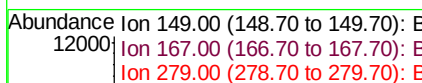
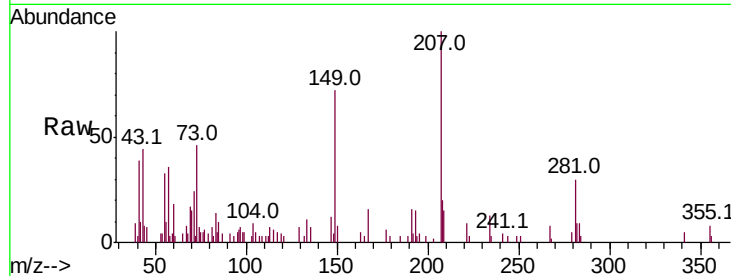
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:	149	Resp:	10068
Ion Ratio	Lower	Upper	
149	100		
167	22.5	19.6	29.4
279	7.3	4.4	6.6#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 11.486 ng

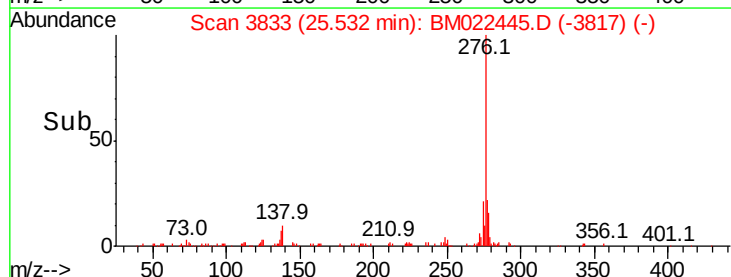
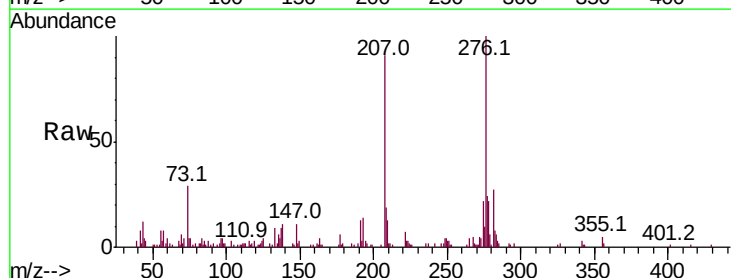
RT: 25.53 min Scan# 3833

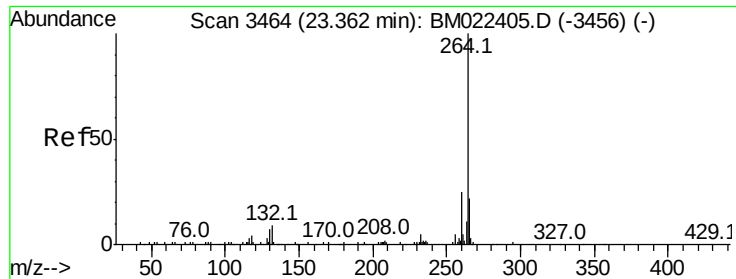
Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Tgt Ion:	276	Resp:	80831
Ion Ratio	Lower	Upper	
276	100		
138	12.0	9.1	13.7
277	25.5	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.35 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

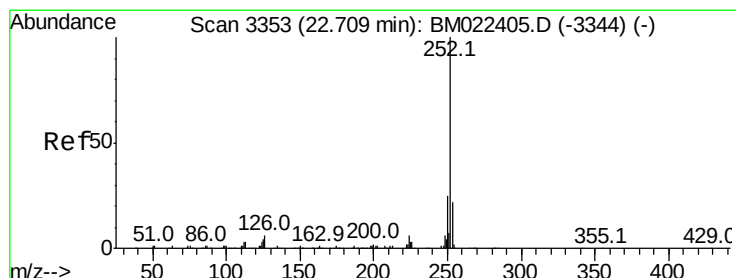
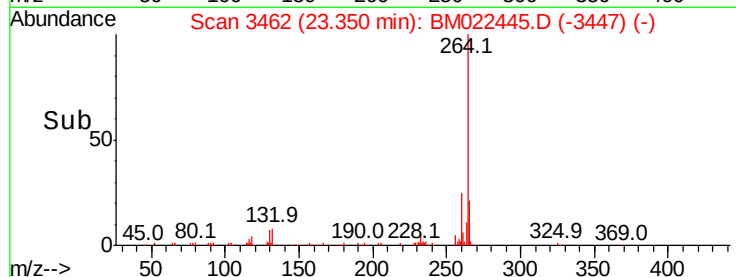
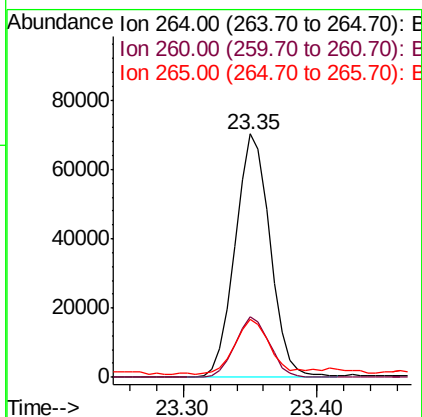
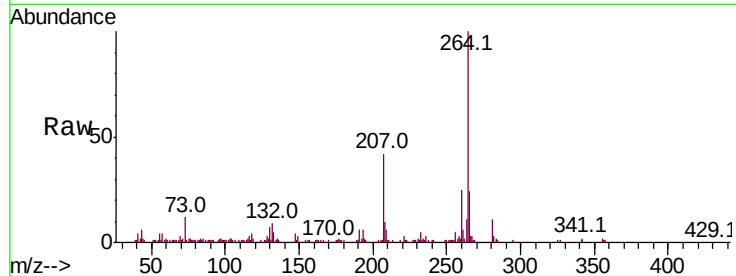
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:	264	Resp:	127463
Ion Ratio	Lower	Upper	
264	100		
260	24.9	20.2	30.2
265	23.7	18.2	27.2

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 18.268 ng

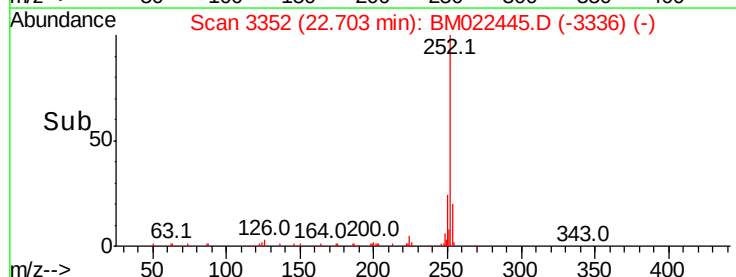
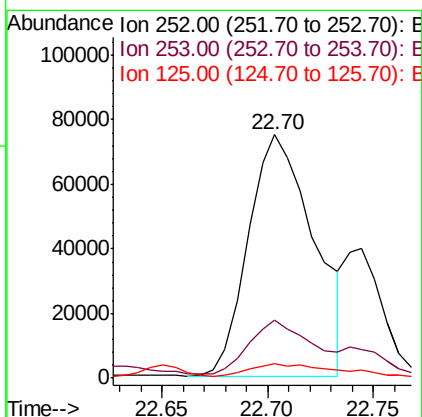
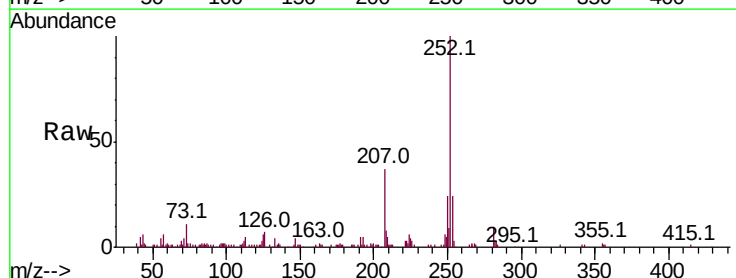
RT: 22.70 min Scan# 3352

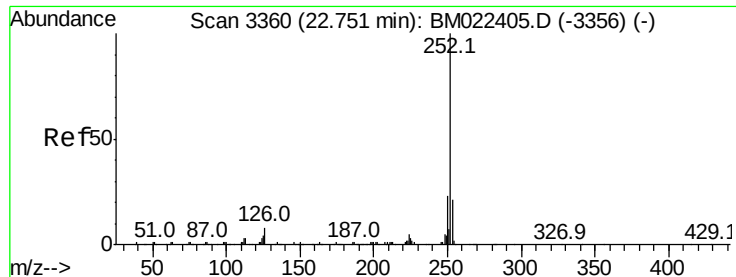
Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Tgt Ion:	252	Resp:	161760
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	5.9	3.5	5.3#





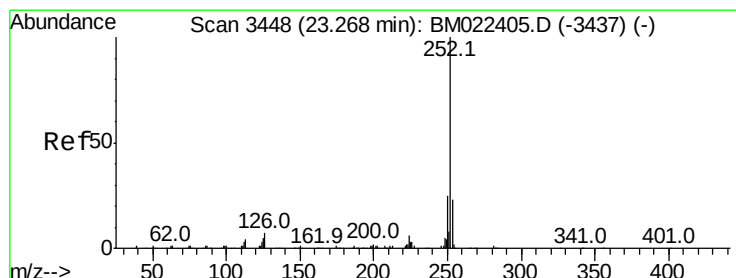
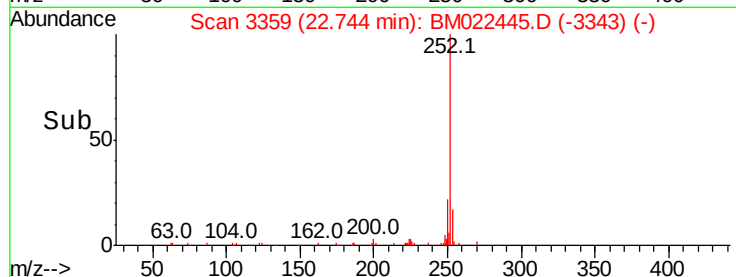
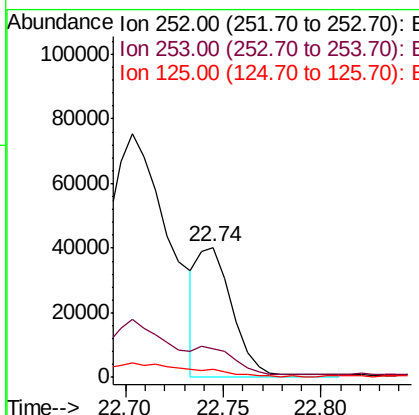
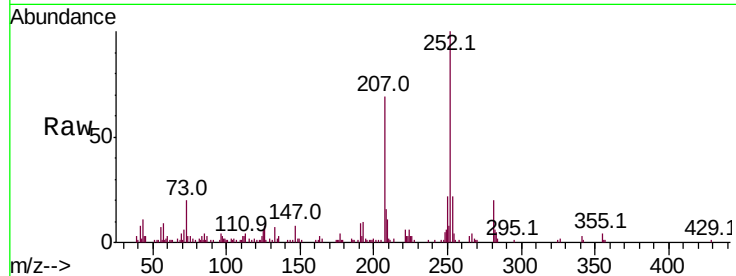
#89
Benzo(k)fluoranthene
Concen: 5.817 ng m
RT: 22.74 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Instrument :
BNA_M
ClientSampleID :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	6.0	3.7	5.5#

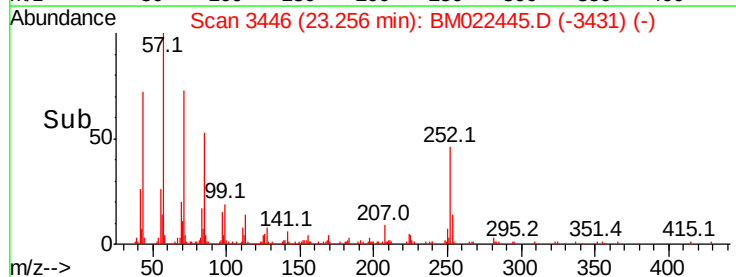
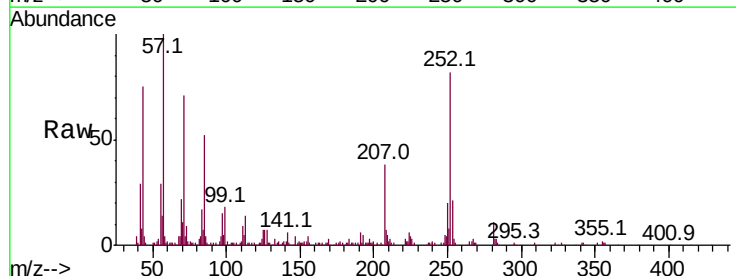
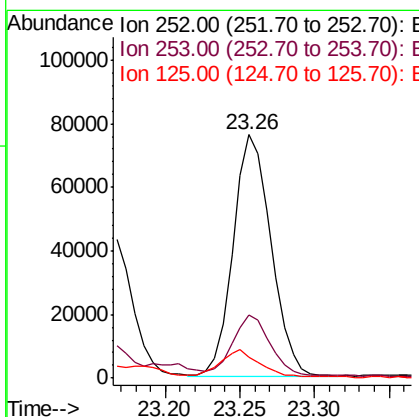
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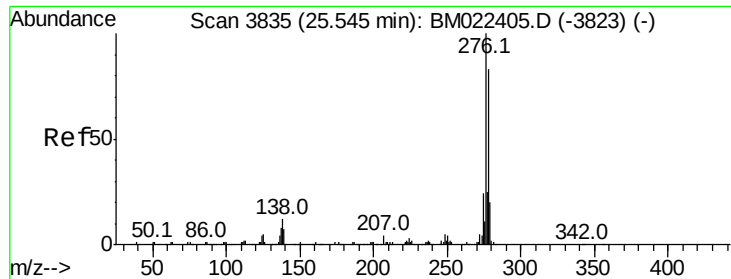
mohammad
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#90
Benzo(a)pyrene
Concen: 17.000 ng
RT: 23.26 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM022445.D
Acq: 30 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.2
125	8.7	3.8	5.8#





#91

Dibenzo(a,h)anthracene

Concen: 2.487 ng

RT: 25.53 min Scan# 3833

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Instrument :

BNA_M

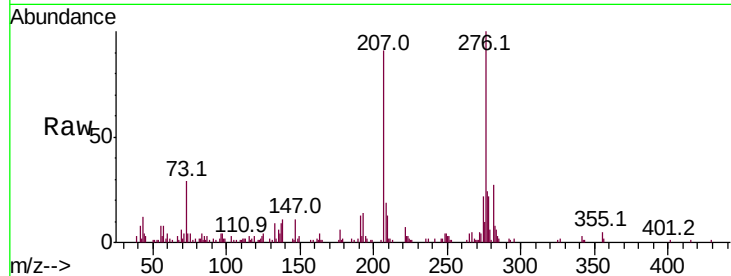
ClientSampleId :

S704A-N-0.0-0.5-082819DL

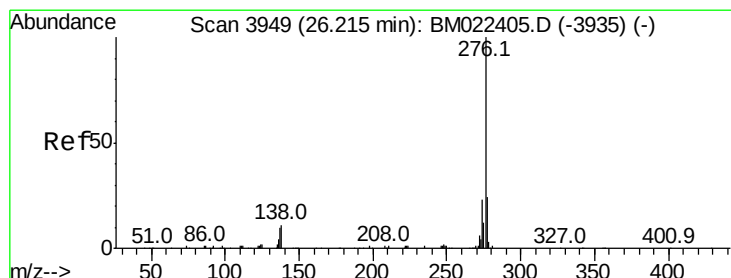
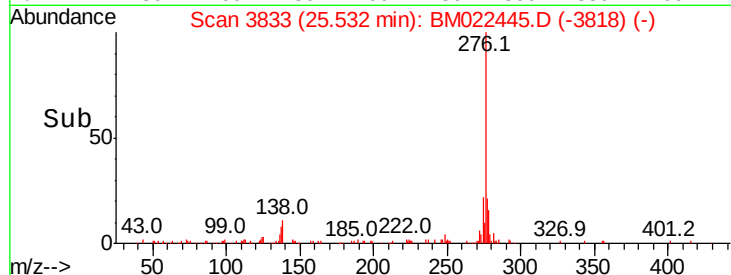
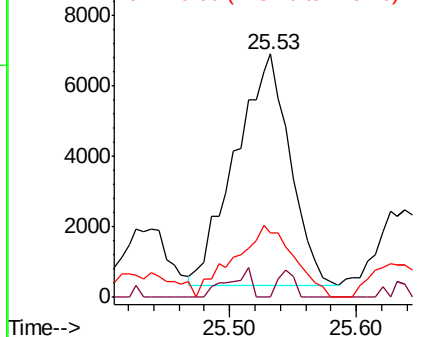
Tot Ion:	278	Resp:	19489
Ion Ratio	Lower	Upper	
278	100		
139	0.0	6.6	9.8#
279	26.7	19.3	28.9

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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: 11.830 ng

RT: 26.20 min Scan# 3947

Delta R.T. -0.01 min

Lab File: BM022445.D

Acq: 30 Aug 2019 17:40

Tgt Ion:	276	Resp:	80808
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.4	29.0
138	11.0	8.8	13.2

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

