

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
 Data File : BN008551.D
 Acq On : 14 Nov 2019 08:58
 Operator : JU
 Sample : K5678-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMA1

Manual Integrations
 APPROVED

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 11/14/2019 2:20:27 PM

Quant Time: Nov 14 10:40:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 14 10:03:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	333828	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1370290	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	856871	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	1693662	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1384352	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1574428	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	22762	2.77	ng/uL	0.00
5) Phenol-d5	6.82	99	557040	19.02	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.98	67	353562	19.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	445535	19.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	422754	18.57	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	222378	23.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	239066	27.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	465444	20.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	237393	9.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	1438786	21.21	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	1701095	21.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	104672	9.96	ng/ul	0.01
57) Fluorene-d10	15.26	176	1212497	21.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	113171	17.50	ng/ul	0.00
70) Anthracene-d10	17.10	188	1804234	22.48	ng/ul	0.00
78) Pyrene-d10	19.40	212	1848749	23.39	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	1810131	22.14	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.79	77	17280	1.030	ng/ul 88
6) Phenol	6.85	94	30683	1.015	ng/ul 99
14) Acetophenone	8.45	105	52089	1.419	ng/ul 98
28) Naphthalene	10.45	128	1623212	22.515	ng/ul 100
34) 2-Methylnaphthalene	12.07	142	992954	18.753	ng/ul 96
40) 1,1'-Biphenyl	13.09	154	397769	6.026	ng/ul 100
44) Dimethylphthalate	13.73	163	145262	2.212	ng/ul 97
49) Acenaphthene	14.33	153	874655	16.260	ng/ul 98
53) Dibenzofuran	14.66	168	961376	12.368	ng/ul 97
58) Fluorene	15.32	166	557316	9.067	ng/ul 95
69) Phenanthrene	17.05	178	1867294	20.354	ng/ul 99
71) Anthracene	17.14	178	653276	6.969	ng/ul 98
74) Carbazole	17.40	167	222961	2.662	ng/ul 98
76) Fluoranthene	19.07	202	1314730	12.475	ng/ul 98
79) Pyrene	19.43	202	977847	9.869	ng/ul 98
82) Benzo(a)anthracene	21.19	228	406480	4.176	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.16	149	1298839	21.635	ng/ul# 98
84) Chrysene	21.24	228	411464	4.514	ng/ul# 93
87) Benzo(b)fluoranthene	22.74	252	440175	4.480	ng/ul# 73
88) Benzo(k)fluoranthene	22.78	252	132877m	1.437	ng/ul
90) Benzo(a)pyrene	23.30	252	323033	3.457	ng/ul# 78
91) Indeno(1,2,3-cd)pyrene	25.55	276	188164	1.759	ng/ul# 90
93) Benzo(g,h,i)perylene	26.21	276	172795	1.925	ng/ul# 87

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JLMA1

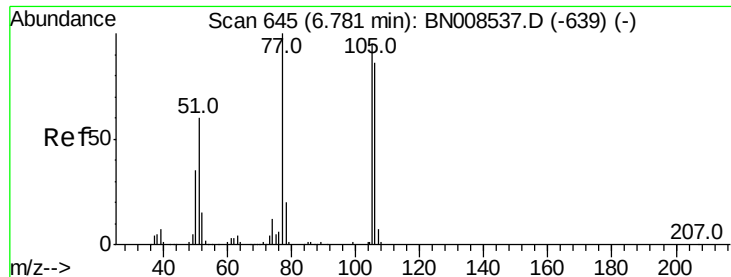
Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 14 10:03:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 1.030 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

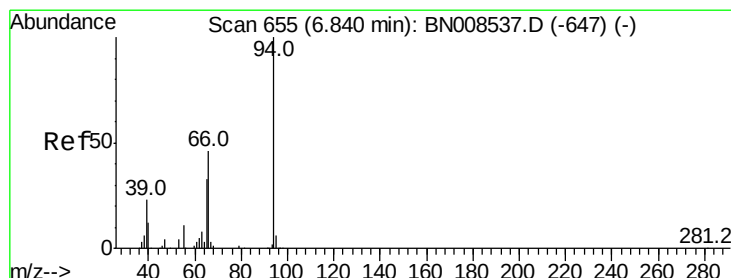
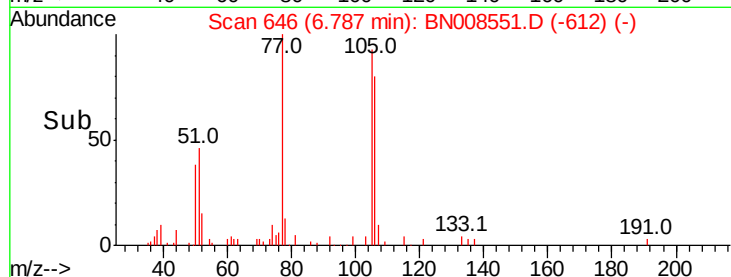
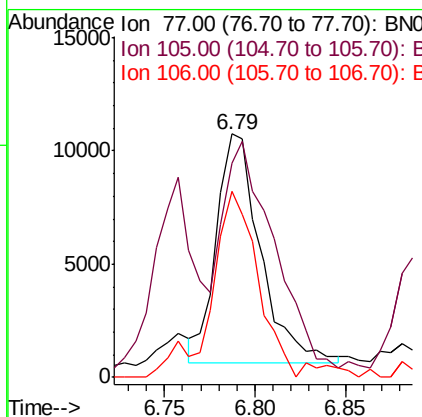
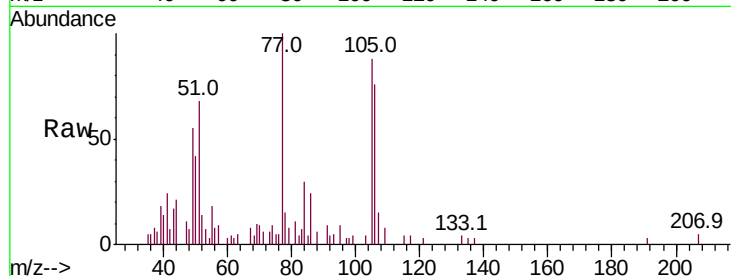
ClientSampled :

JLMA1

Tot Ion	Ratio	Lower	Upper
77	100		
105	87.8	76.6	114.8
106	76.2	73.9	110.9

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#6

Phenol

Concen: 1.015 ng/ul

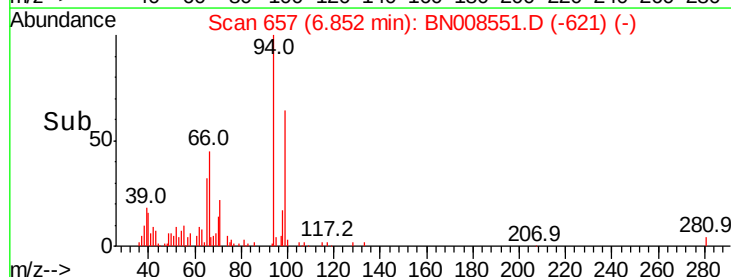
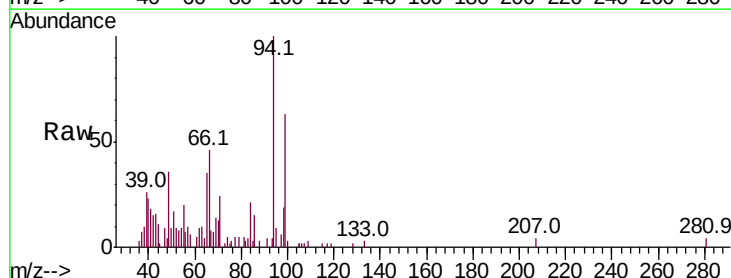
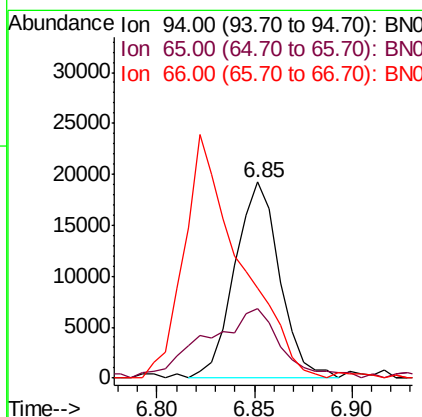
RT: 6.85 min Scan# 657

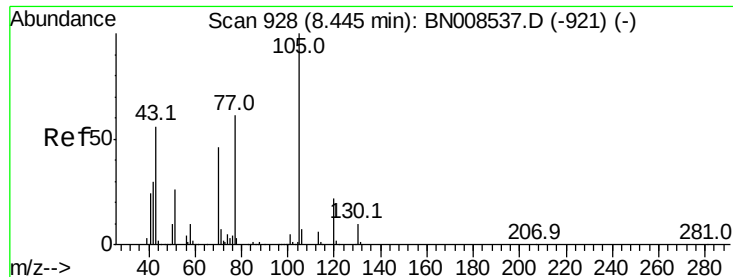
Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion	Ratio	Lower	Upper
94	100		
65	35.3	27.7	41.5
66	46.0	37.0	55.6





#14

Acetophenone

Concen: 1.419 ng/ul

RT: 8.45 min Scan# 929

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

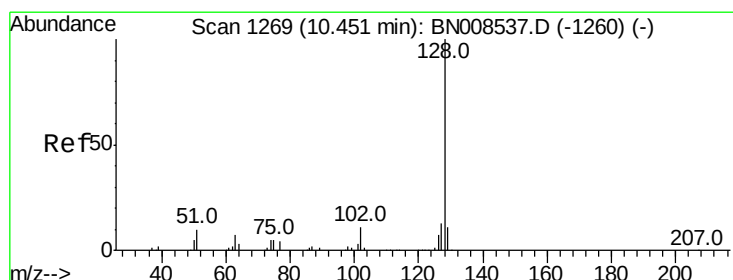
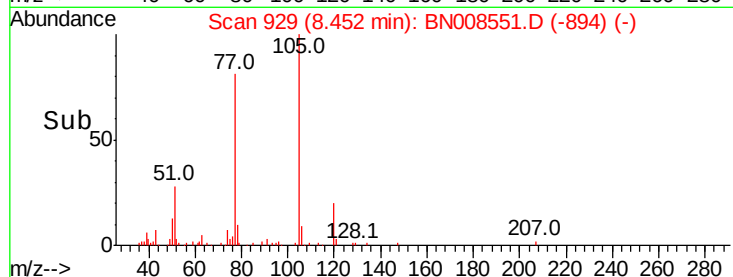
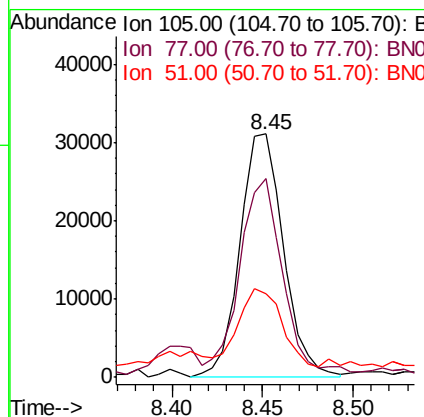
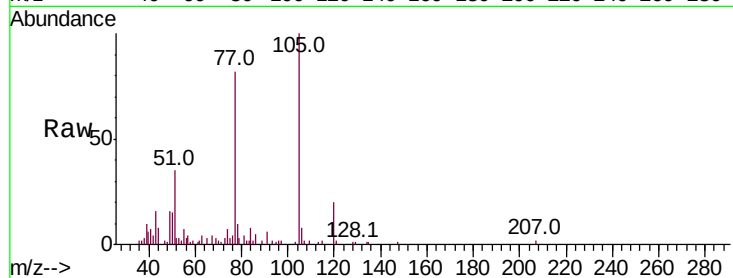
ClientSampleId :

JLMA1

Tot Ion:	105	Resp:	52089
Ion Ratio	Lower	Upper	
105	100		
77	81.8	66.8	100.2
51	34.6	27.0	40.6

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#28

Naphthalene

Concen: 22.515 ng/ul

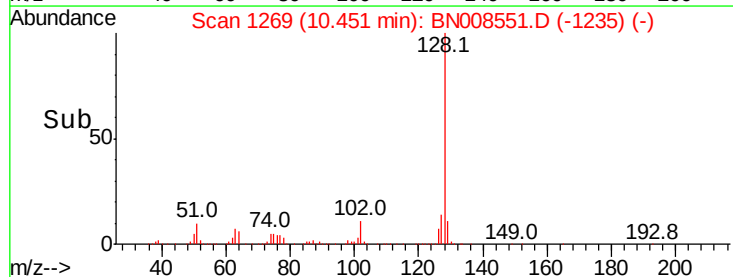
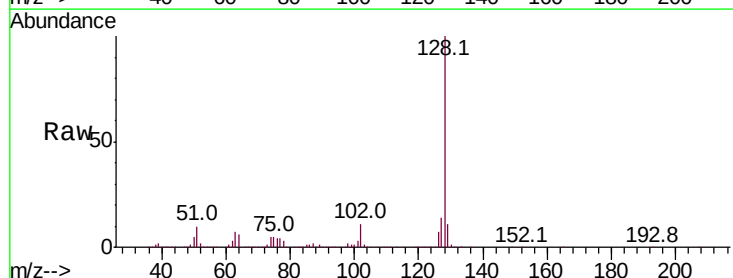
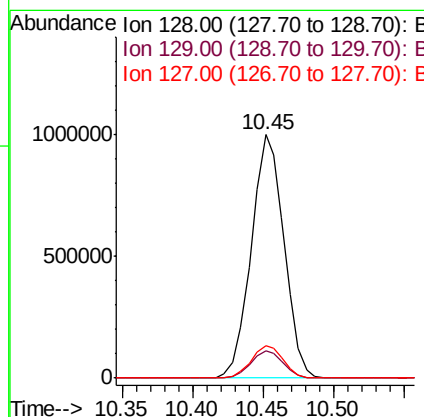
RT: 10.45 min Scan# 1269

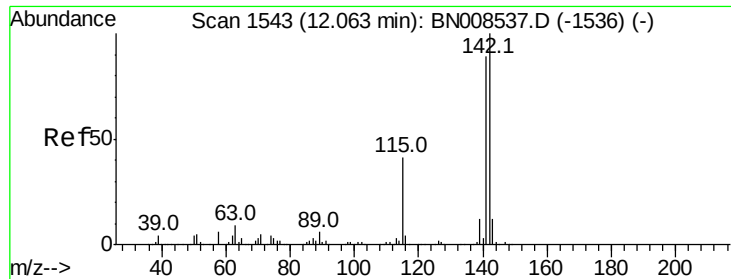
Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:	128	Resp:	1623212
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.6
127	13.6	10.6	16.0





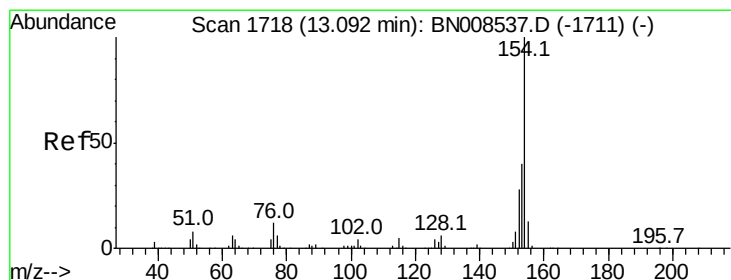
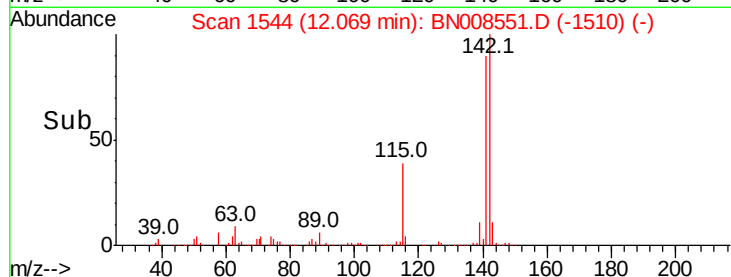
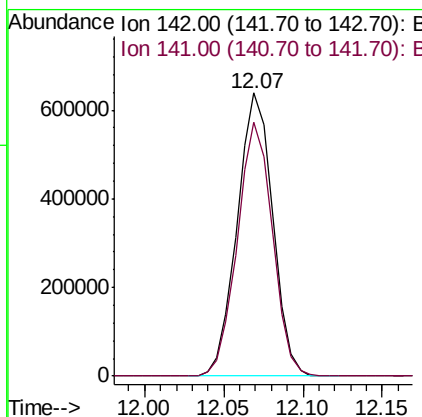
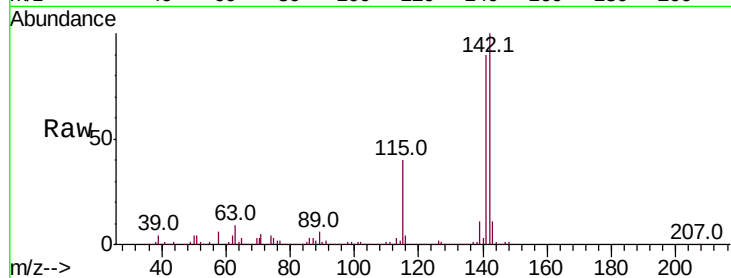
#34
 2-Methylnaphthalene
 Concen: 18.753 ng/ul
 RT: 12.07 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

Instrument :
 BNA_N
 ClientSampleId :
 JLMA1

Tot Ion:142 Resp: 992954
 Ion Ratio Lower Upper
 142 100
 141 89.9 69.3 103.9

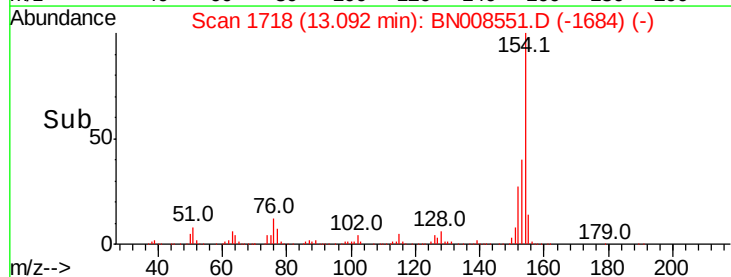
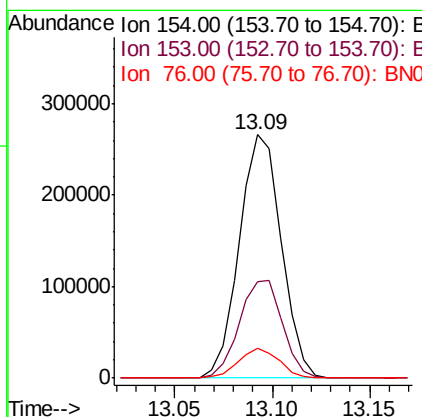
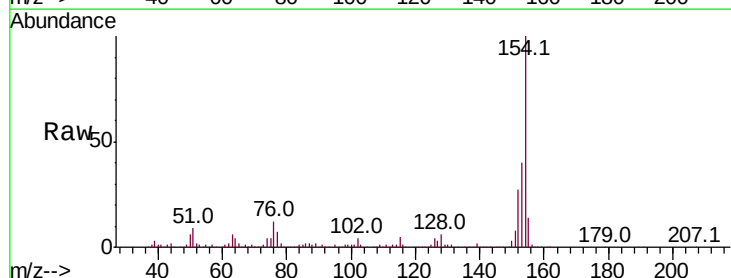
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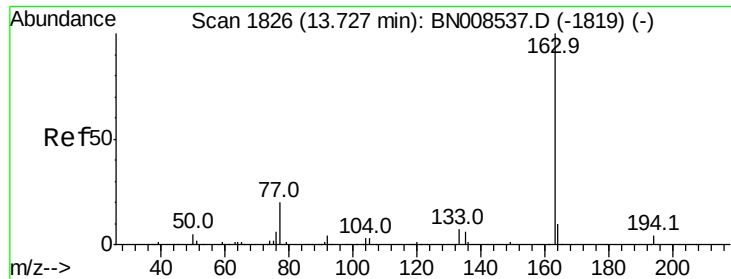
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#40
 1,1'-Biphenyl
 Concen: 6.026 ng/ul
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

Tgt Ion:154 Resp: 397769
 Ion Ratio Lower Upper
 154 100
 153 39.8 32.0 48.0
 76 12.1 9.6 14.4





#44

Dimethylphthalate

Concen: 2.212 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

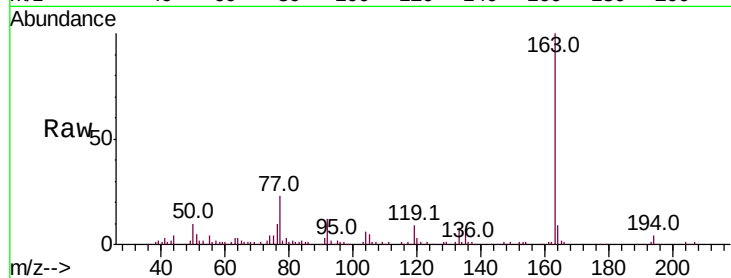
ClientSampled :

JLMA1

Tot Ion:	163	Resp:	145262
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.6	5.4
164	8.6	8.1	12.1

Manual Integrations
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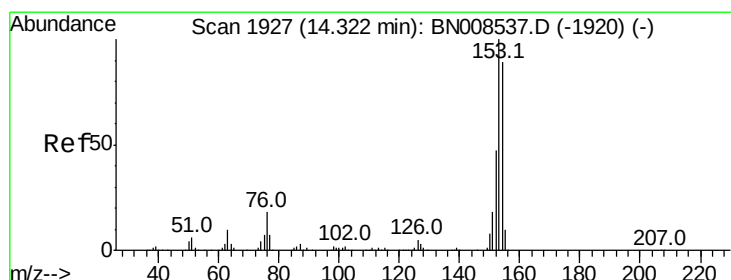
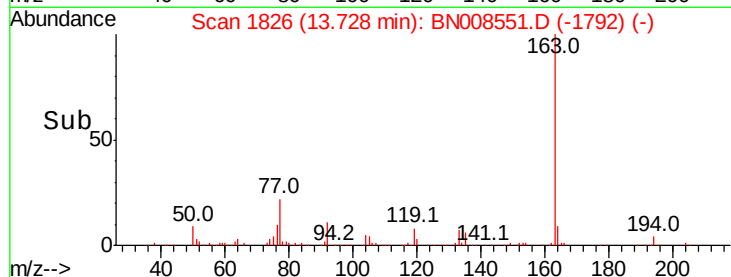
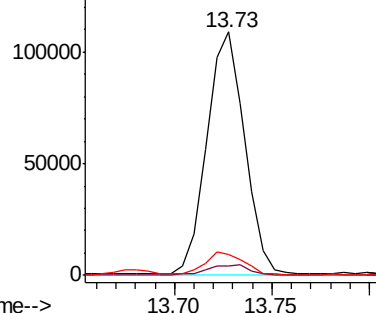


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 16.260 ng/ul

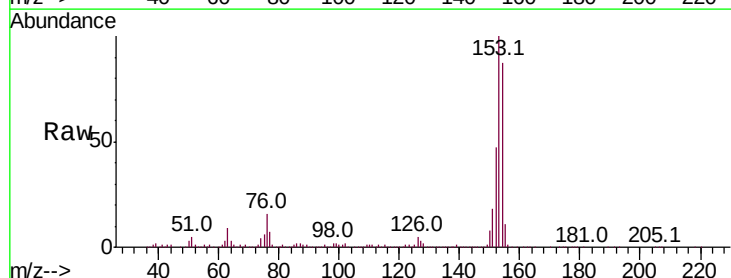
RT: 14.33 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:	153	Resp:	874655
Ion Ratio	Lower	Upper	
153	100		
152	46.8	38.7	58.1
154	87.2	71.3	106.9

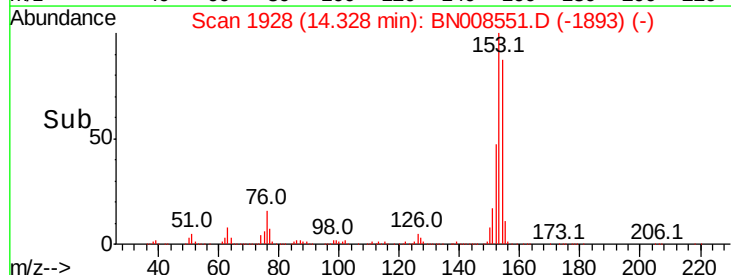
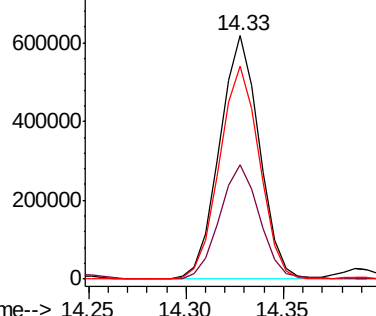


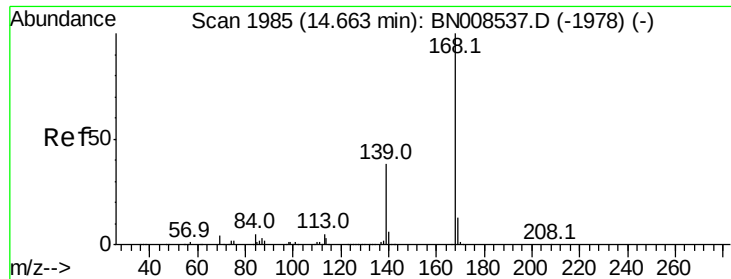
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 12.368 ng/ul

RT: 14.66 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampleId :

JLMA1

Tot Ion:168 Resp: 961376

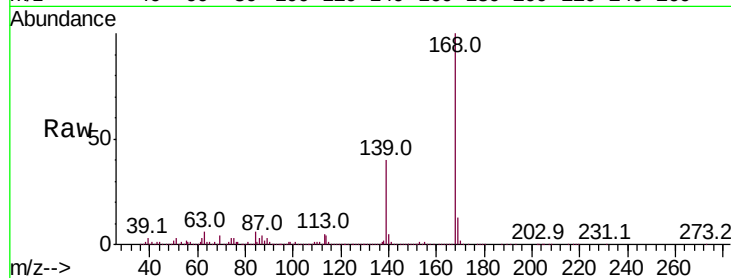
Ion Ratio Lower Upper

168 100

139 39.9 30.3 45.5

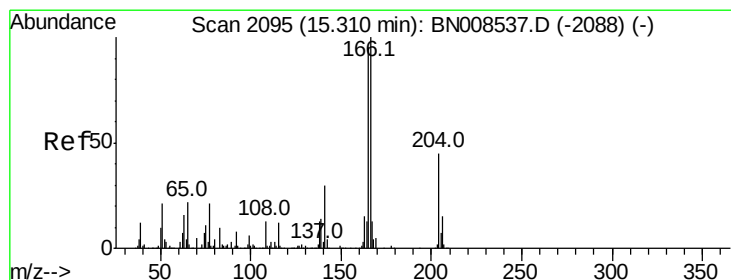
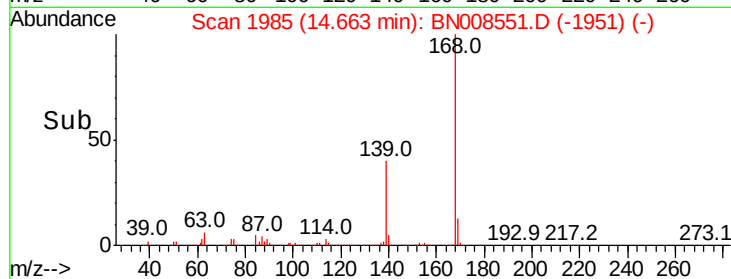
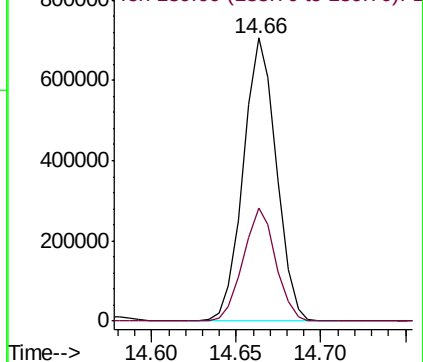
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 9.067 ng/ul

RT: 15.32 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

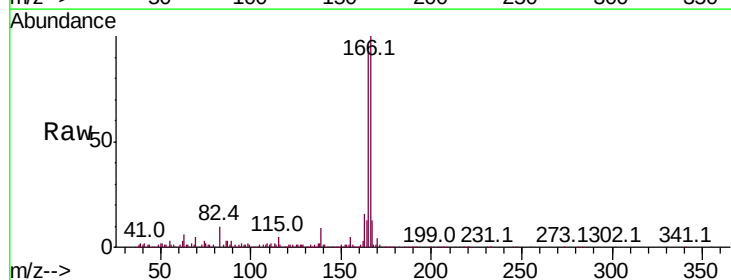
Tgt Ion:166 Resp: 557316

Ion Ratio Lower Upper

166 100

165 92.9 79.0 118.6

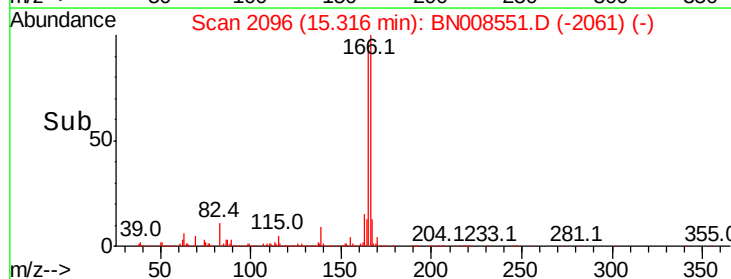
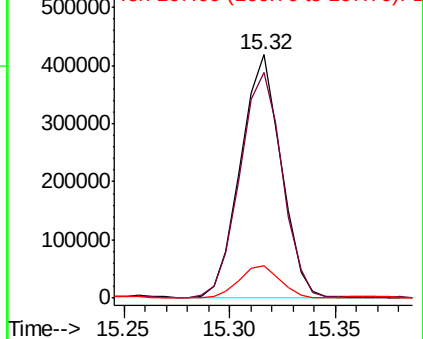
167 13.2 10.6 15.8

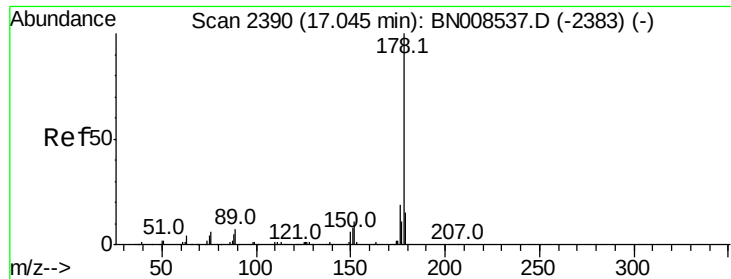


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





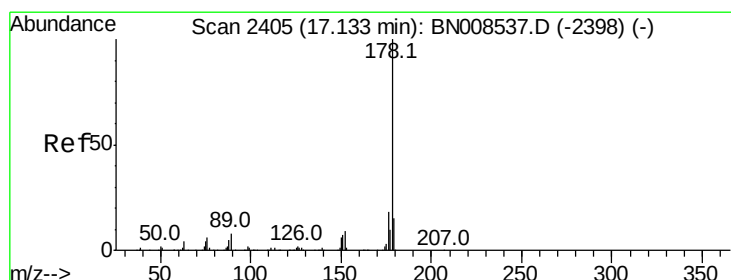
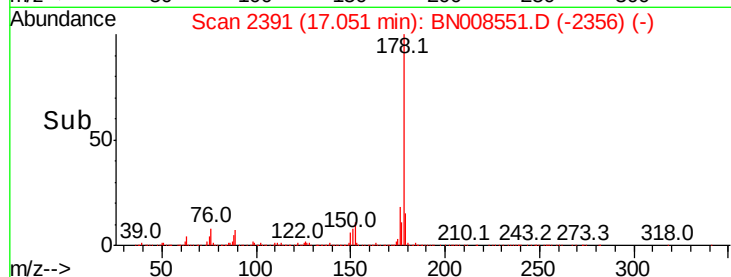
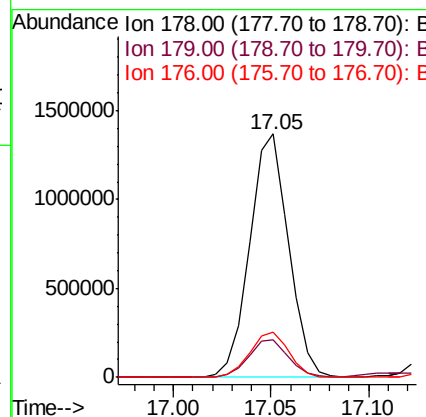
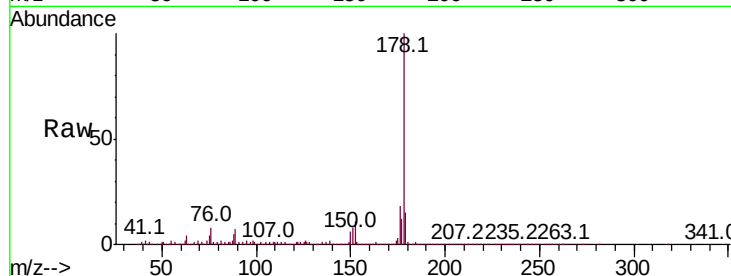
#69
Phenanthrene
Concen: 20.354 ng/ul
RT: 17.05 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

Instrument :
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ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.1	18.1
176	18.5	15.3	22.9

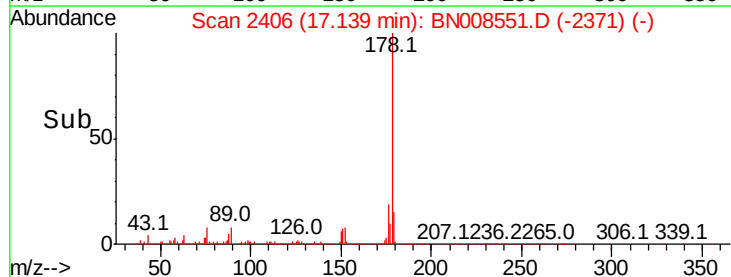
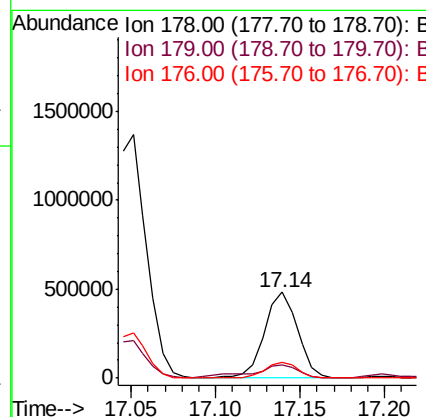
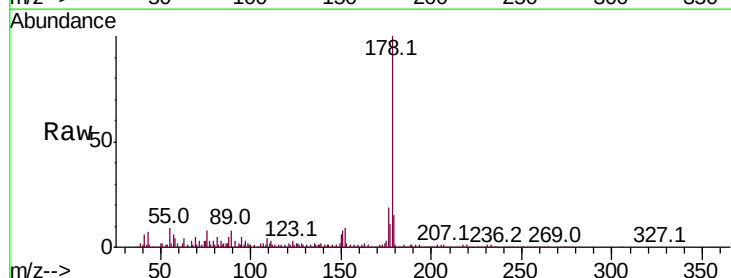
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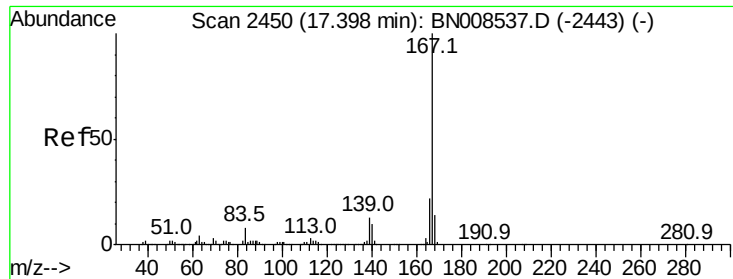
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#71
Anthracene
Concen: 6.969 ng/ul
RT: 17.14 min Scan# 2406
Delta R.T. 0.01 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.8	19.2
176	19.0	14.6	21.8





#74

Carbazole

Concen: 2.662 ng/ul

RT: 17.40 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

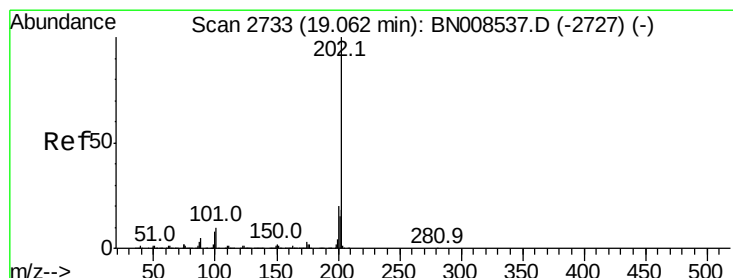
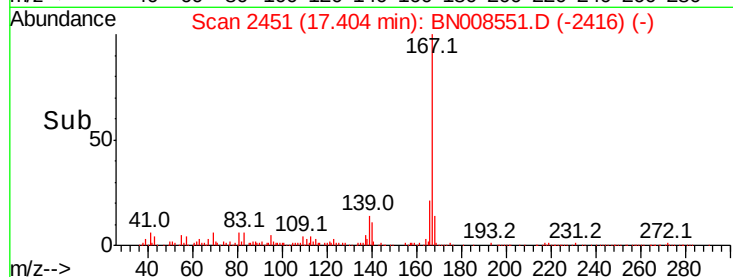
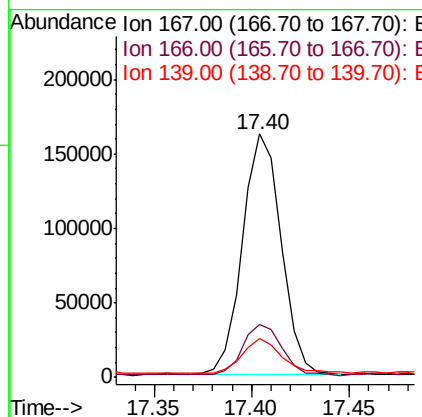
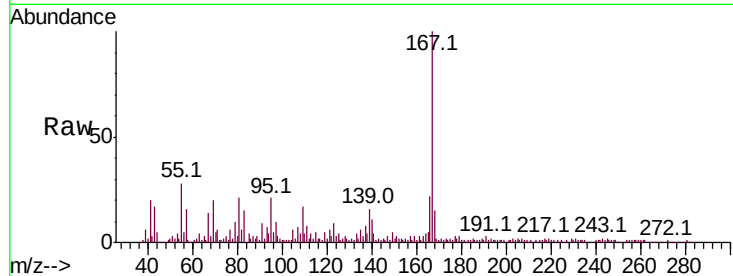
ClientSampleId :

JLMA1

Tot Ion:	167	Resp:	222961
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.7	26.5
139	15.8	10.8	16.2

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#76

Fluoranthene

Concen: 12.475 ng/ul

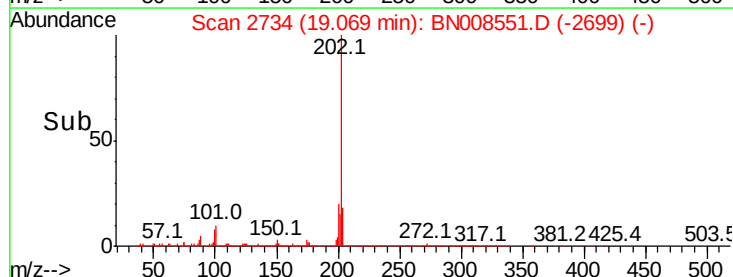
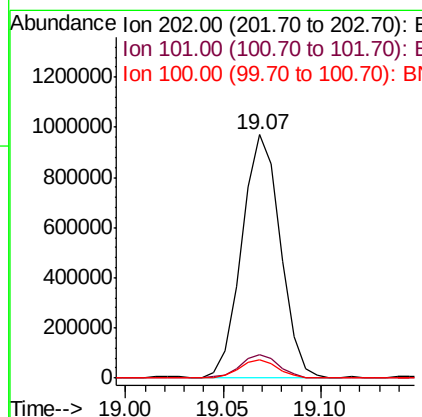
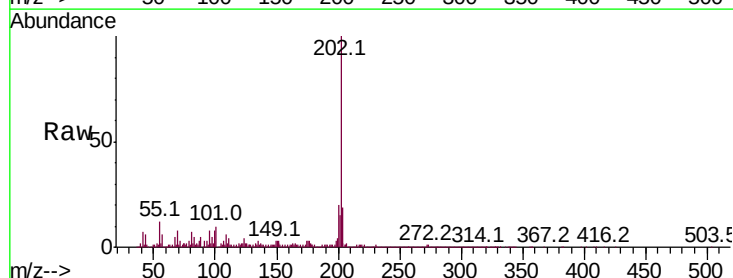
RT: 19.07 min Scan# 2734

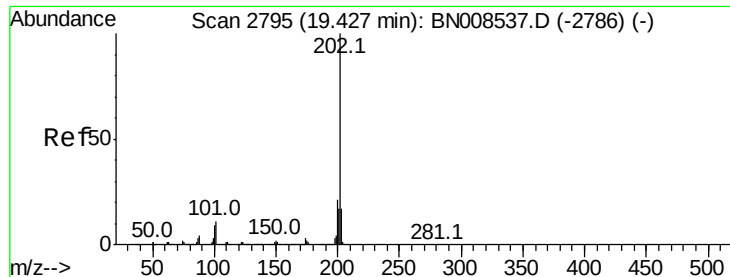
Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:	202	Resp:	1314730
Ion Ratio	Lower	Upper	
202	100		
101	9.9	8.6	12.8
100	7.6	6.8	10.2





#79

Pvrene

Concen: 9.869 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

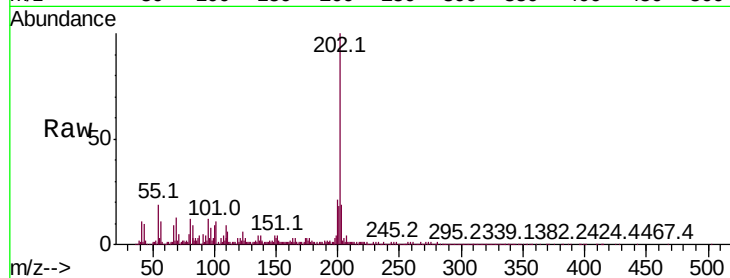
ClientSampled :

JLMA1

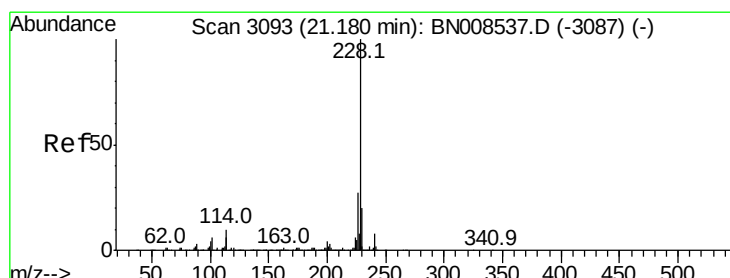
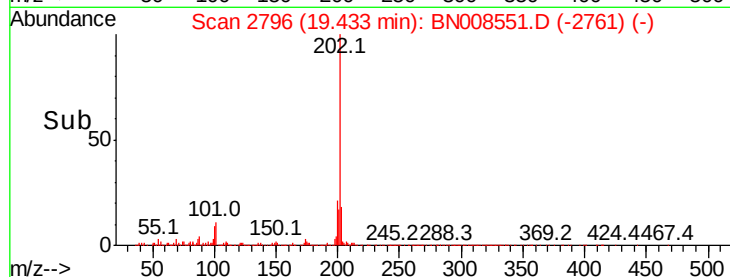
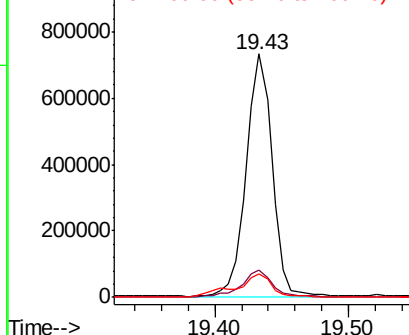
Tot Ion:	202	Resp:	977847
Ion Ratio	Lower	Upper	
202	100		
101	11.3	9.8	14.6
100	9.5	7.8	11.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 4.176 ng/ul

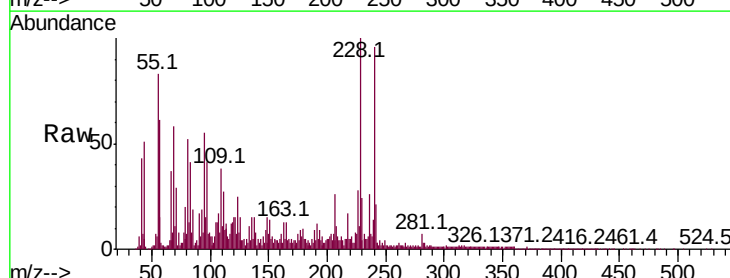
RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

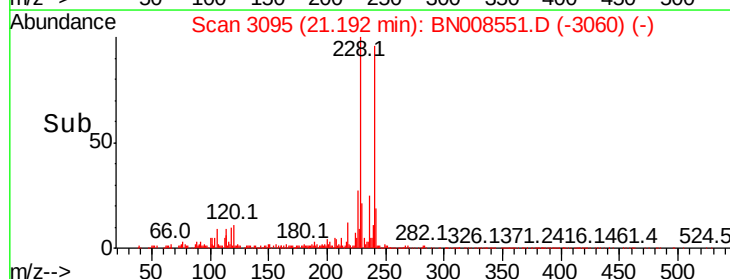
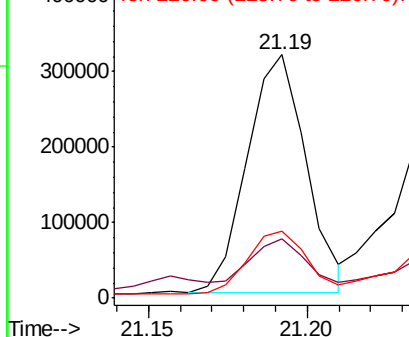
Lab File: BN008551.D

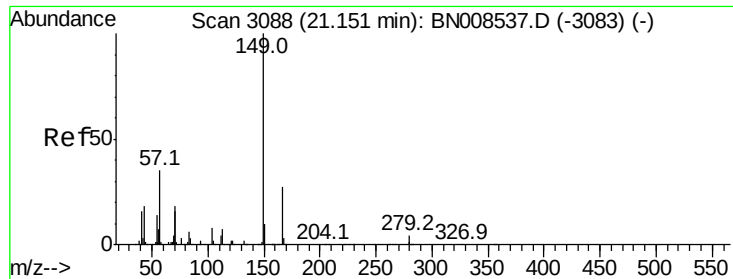
Acq: 14 Nov 2019 08:58

Tgt Ion:	228	Resp:	406480
Ion Ratio	Lower	Upper	
228	100		
229	24.2	16.2	24.4
226	27.7	21.9	32.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 21.635 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampleId :

JLMA1

Tot Ion:149 Resp: 1298839

Ion Ratio Lower Upper

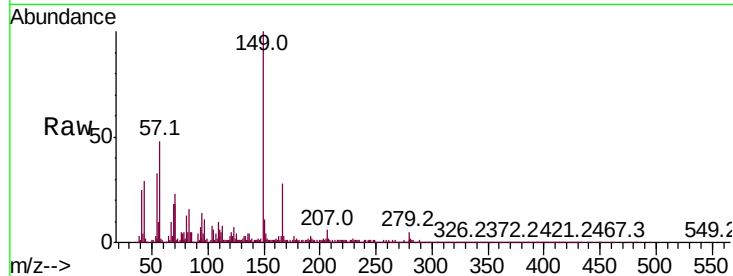
149 100

167 28.4 22.1 33.1

279 4.6 2.9 4.3#

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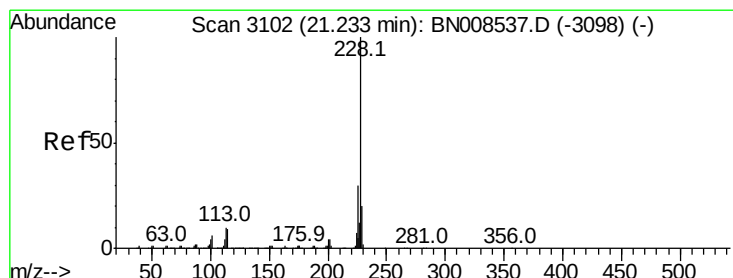
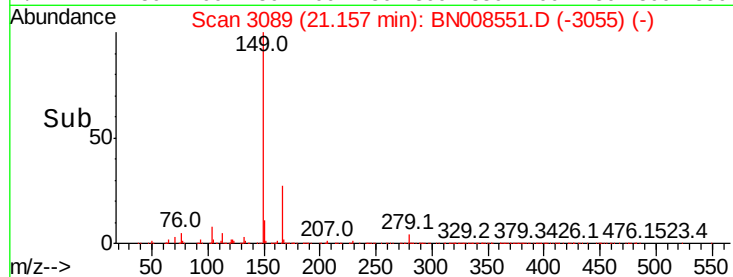
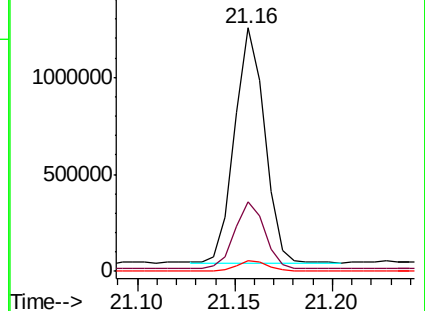
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 4.514 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

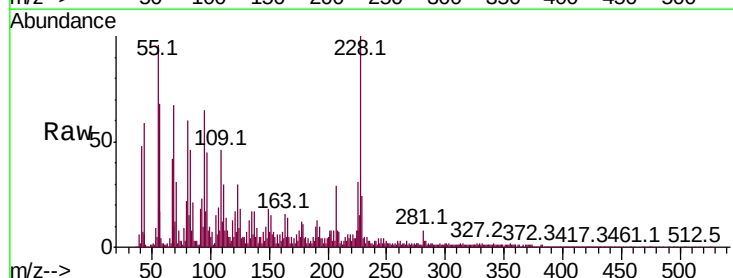
Tgt Ion:228 Resp: 411464

Ion Ratio Lower Upper

228 100

226 31.4 22.8 34.2

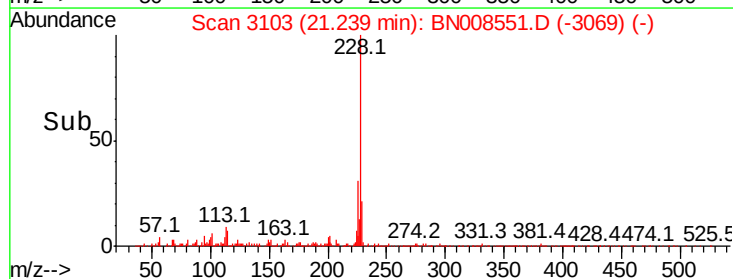
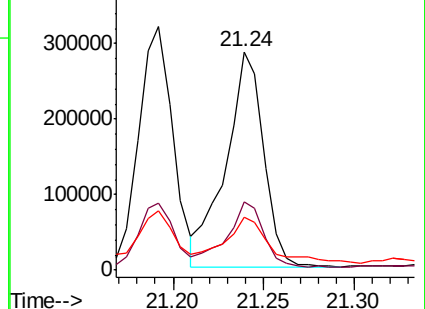
229 24.4 16.0 24.0#

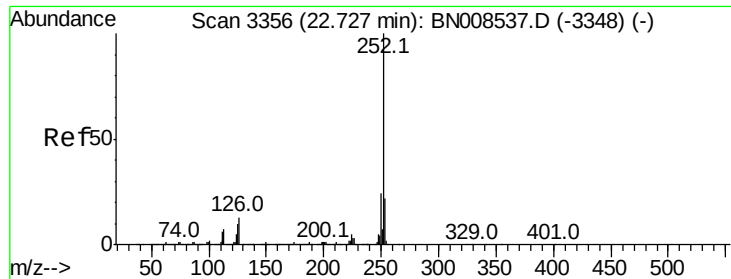


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 4.480 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

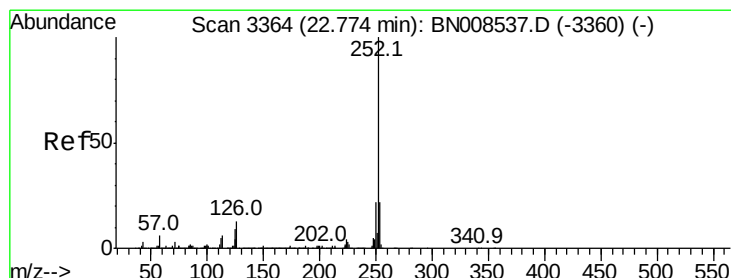
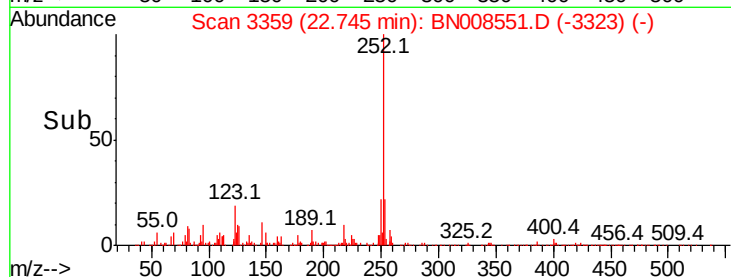
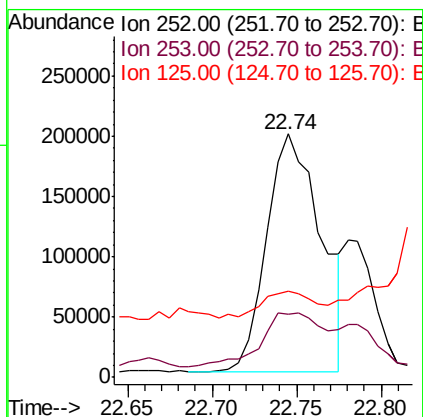
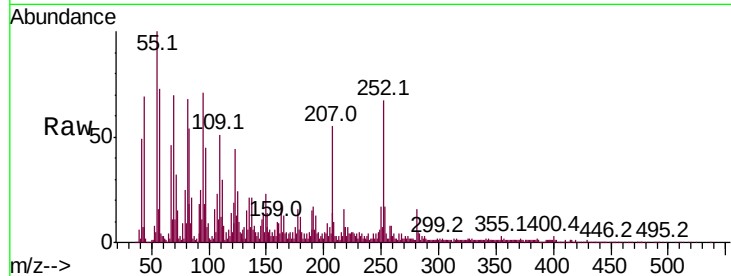
ClientSampleId :

JLMA1

Tot Ion:	252	Resp:	440175
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.8	26.8
125	35.5	7.8	11.6#

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#88

Benzo(k)fluoranthene

Concen: 1.437 ng/ul m

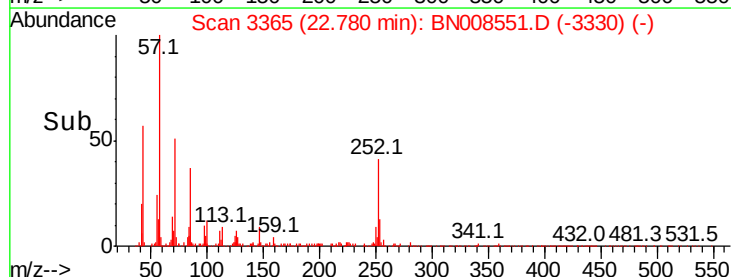
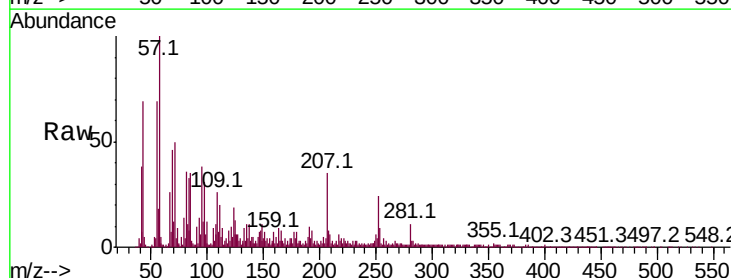
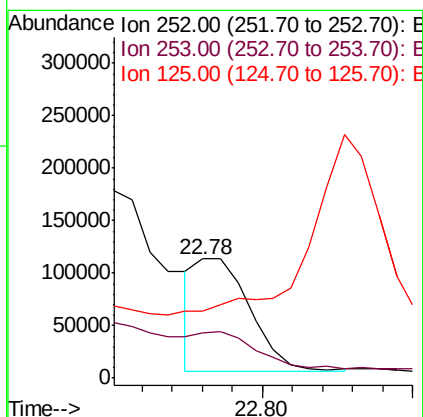
RT: 22.78 min Scan# 3365

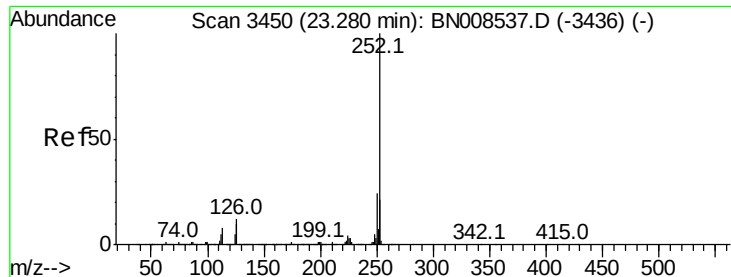
Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:	252	Resp:	132877
Ion Ratio	Lower	Upper	
252	100		
253	38.3	17.7	26.5#
125	56.5	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 3.457 ng/ul

RT: 23.30 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

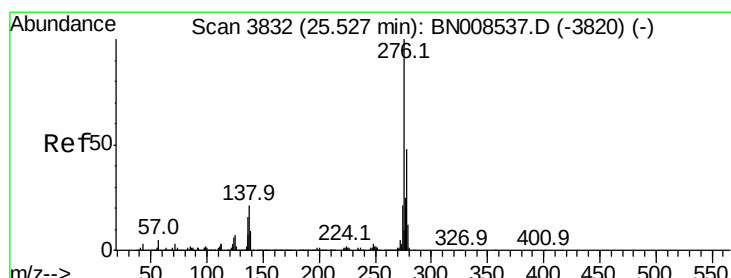
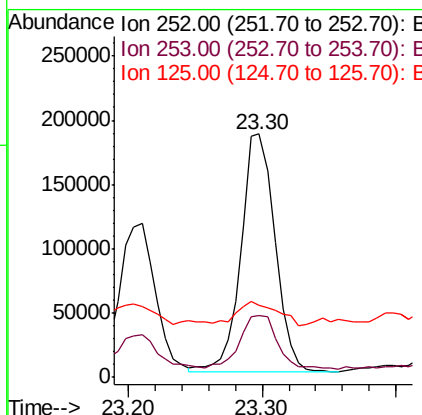
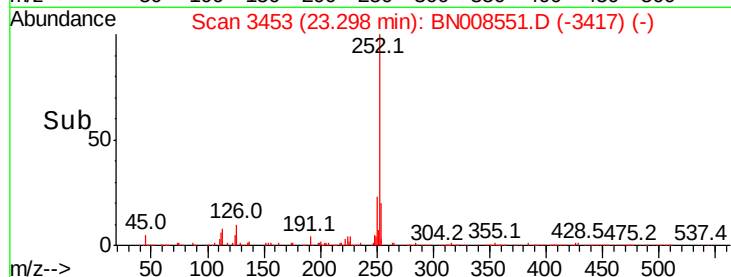
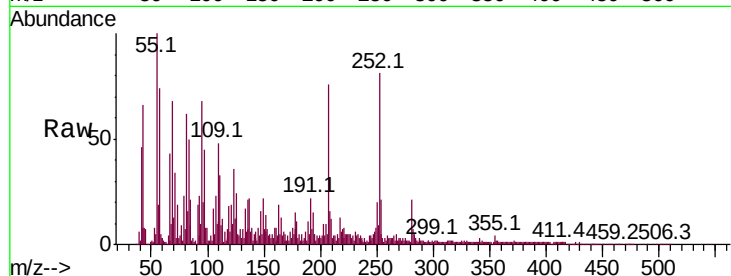
ClientSampleId :

JLMA1

Tot Ion:	252	Resp:	323033
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.2	25.8
125	29.8	8.6	12.8#

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#91

Indeno(1,2,3-cd)pyrene

Concen: 1.759 ng/ul

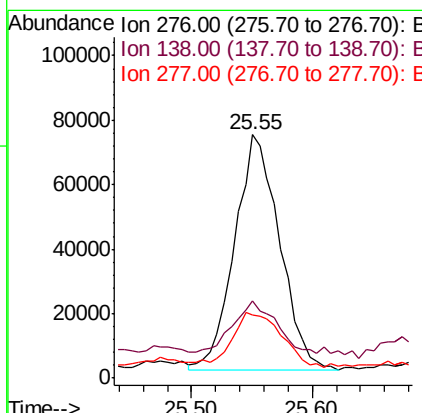
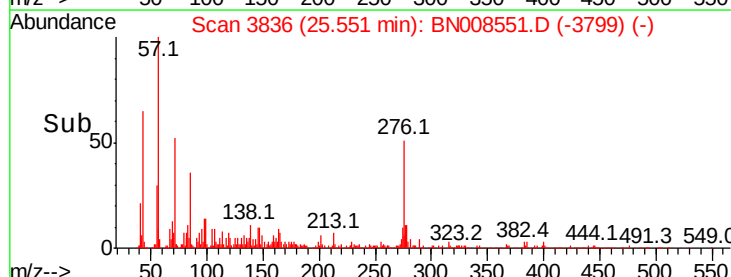
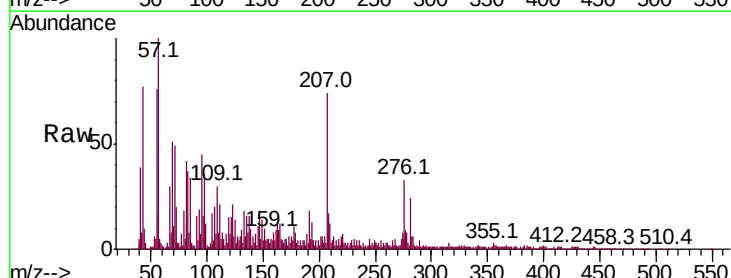
RT: 25.55 min Scan# 3836

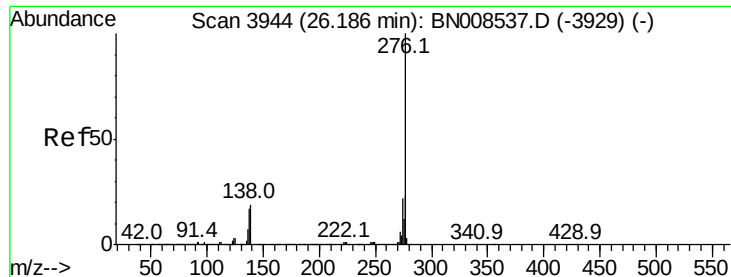
Delta R.T. 0.02 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:	276	Resp:	188164
Ion Ratio	Lower	Upper	
276	100		
138	31.5	18.6	28.0#
277	26.2	19.7	29.5





#93

Benzo(a,h,i)perylene

Concen: 1.925 ng/ul

RT: 26.21 min Scan# 3948

Delta R.T. 0.02 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampleId :

JLMA1

Tot Ion:	276	Resp:	172795
Ion Ratio	Lower	Upper	
276	100		
138	31.1	16.4	24.6#
277	24.5	18.2	27.4

Manual Integrations
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